PD 120A WELL COMPLETION REPORT		
	DAILY DRILLING R	EPORTS

The Nitro 14 rig was rig released from PD 120A after drilling and cementing the Conductor and Surface sections of the well.

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The PD 120A well was suspended until the 11th December 2012 when Nitro Rig D1 was mobilised to PD 120A to drill the Radius and In-seam sections of the well.

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After an extensive search of internal records, no copies of DDR's for the Conductor and Surface sections for PD 120A could be found.



ALL DEPTHS REFERENCE MD KB

Report Start Date: 8/12/2012

Report #: 1.0 Days From Spud: -4.00

API/UWI	2004		Field N				e/Province		Country		WBS Code		CASING ST	RINGS		
BPD12				Dowr		Que	eenslan	0	Australia		.12101	PD.AD.12.001	Csg De	es	OD (mm)	Set Depth (mKB)
Well Type SIS La			Well C	onfigura	tion Type		Date 3/12/20	12 00:00	Rig Release D 10/01/20	ate 013 09:00	Start Date 8/12/	2012 16:00				
DAILY	OPERA	ATIONS														
Most Like	ely Duratio	n (no plan	chan		I KB Elevation	n (m)	227.67	Ground Elevati		223.77 KB-G	Ground Distan	ce (m) 3.90				
Target De	epth (mKB			Total D	epth (mKB)			End Depth (mh		Dept	h Progress (m					
Rig (Nam	ies)	1,5	62.00	Weath	er	1	,546.63	Latitude (°)		0.00 Long	itude (°)					
Nitro D	rilling N								22° 13' 6.8			15' 55.608" E				
Haul lo	ads to I	Öysart, v		own at	Nitro yar	d										
		port Perio														
Operation	ns at 6:00												CUM TIMEL	OG by OF	PERATION	
Remarks													Cod	le 1	Dur (hr)	Cum Dur (hr)
		<u> </u>						remaining		,			STANDBY MOVE		6.00 2.00	6.00 2.00
HOUR	LY OPE	RATIO	NS SU	IMIMIAI	KY 00:00	End	:00 OF	THE REPO	RTING DAY	<u>(</u>				TACTO	2.00	2.00
Start Time	End Time	Dur (hr)	Proble m?		nase	Depth (mKB)	Activity			Com			Job Cor		Title	e
16:00	18:00	2.00		Rig M			RMO		ement, haul				Adrian Nyga		Drilling Superviso	r
18:00	00:00	6.00	Yes	Rig M	love	61.00	SIB	daylights	s suspende	ed as per A	AC / both	crews on	Robert Craig		Drilling	'
HOUR	LY OPE	RATIO	NS SU	IMMAF	RY 00:00	TO 6:0	00 OF T	HE NEXT F	EPORTING	3 DAY			·		Supervisor	r
Start	End		Proble			End Depth							Jeff Wilkins		Drilling Superintdr	nt
Time 00:00	Time 06:00	Dur (hr)	m? Yes	Pr Rig M	nase	(mKB) 61.00	Activity	Operation	ns suspende	Com	AC / both	crewe on	Mohammad		Well Engir	
00.00	00.00	0.00	165	Kig ivi	love	01.00	316	daylights	is susperiue	eu as pei A	AC / DOLL	ciews oii	Rahman			
MUD F	ROPE	RTIES											SAFETY CH Type		IMARY Last Date	# Occur
	Туре			Tir	me		Depth	(mKB)	Dens (sg(h2o))	Vi	s (days/m³)	BOP Drill			
NPT			_										Toolbox			
Activity								Start Date		End I			Weekly safe Meeting bot			
Waiting	g on - da	ay light						8/12/	2012 18:00		9/12/20	12 06:00	crews			
		n, acce	ss cor	ditions	s stipulate	activit	ty from (06:00 - 18:0	0				Weekly safe meeting bot			
MUD L	ISED									1		1 5 " 5" 11	crews.			
		Des			Units		Ven	dor	Rec	Consumed	On Loc	Daily Field Est (Cost)	SAFETY OF		ONS	
													Safety Stats	Company Type	Compa	ny Rpts
Job St	upplies Si	upply Item	Des		Uni	t Label		Vendor		Received	Consumed	Cum On Loc	HAZOBS		Nitro Drilling	
		,											SLAM		Nitro	12
DRILL	STRIN	G AND	BIT IN	FORM	IATION								ICA		Drilling	
BHA #	<string Size (mi</string 	no>, <d< td=""><td>es> Mak</td><td>e</td><td></td><td>Model</td><td></td><td>TIADC C</td><td>Codes</td><td>ISe</td><td>rial Number</td><td>Length (m)</td><td>JSA</td><td></td><td>Nitro Drilling</td><td></td></d<>	es> Mak	e		Model		TIADC C	Codes	ISe	rial Number	Length (m)	JSA		Nitro Drilling	
					In Table			2)	Lian	C Bit Dull			SOP		Nitro	
Nozzles (•						rea (nozzl								Drilling	
String Le	ngth (m)				Weigh	t of String	g in Air (da	N)	BHA	ROP (m/hr)			PERSONNE		Reg Work	Tot Work
String Co	mponents				I				<u> </u>				Туре	Count 12	Hrs (hr) 24.00	Hrs (hr) 24.00
Drilling	g Paran	neters											SAFETY CH			
Wellbore		Start Dept	h (mKB)	End De	epth (mKB)	Cum De	pth (m)	Drilling Time (h	r) Cum Drill	Time (Int R	OP (m/hr)	Q Flow (m³/min)	Туре		Date	•
WOB (da	N)	RPM (rpm)	SPP (b	ars)	Drill Str V	Vt (daN)	PU Str Wt (dal	N) SO Str Wt	(daN) Drillin	ng Torque	Off Btm Tq				
CHDV	EV DAT	^											# 1, Shand		nena Pov	ver Co
SUKVI	EY DAT	Date				MD (mK	(B)	Incl (°)	Azm (°)		TVD (mKB)	Pwr (kW)	Rod Dia (m	m) Stroke	e (mm)
													372. Liner Size (mm)		50.8 ol/Stk OR (m³/	187.3 /stk)
		Interv			05.4								, ,		rokes (s E	
Гор	(mKB)	Btn	n (mKB)		OD (mm)				(Com						
		1											# 2 , Dezh	Rod Dia (m		Machin e (mm)
													372.	8	50.8	152.4
													Liner Size (mm)		ol/Stk OR (m³/	rstk)
													P (bars) SI	ow Spd Si	rokes (s E	ff (%)
									Danie	1/4				Dona: + P	into d. C	4/04/2042
									Page '	1/ I				Report Pr	milea. 24	+/ひょ/2013



ALL DEPTHS REFERENCE MD KB

Report Start Date: 9/12/2012

Report #: 2.0 Days From Spud: -3.00

API/UWI		Field N			State	/Province		C	ountry			WBS Code	е		CASING S	TRINGS	3			
BPD12001			Downs			ensland	d		ustrali			C.A5.BF .12101	PD.AD	.12.001	Csg I	Des	_	(mm)	Set De (mK	B)
Well Type SIS Lateral		Well Co	onfiguration T	уре	1 '	Date 3/12/20	12 00:0		ig Releas 10/01	se Date 1/2013 09	:00	Start Date 8/12/2	2012 ·	16:00	Surface			244.5		9.10
DAILY OPERA	ATIONS	•										•							64	4.73
Most Likely Duration	n (no plan	chan 12.17	Original KB	Elevation		227.67	Ground E	Elevation	(m)	223.77	KB-Gro	ound Distanc	ce (m)	3.90						
Target Depth (mKB)		62.00	Total Depth	(mKB)		546.63	End Dep	th (mKB))	0.00		Progress (m	1)	0.00						
Rig (Names) Nitro Drilling Ni			Weather Slightly o	vercas	t		Latitude		22° 13'	6.832" S	Longitu		° 15' 5	5.608" E						
Operations Summar Finish hauling Operations Next Re	loads to		tfrom Blad	ckwate	r, was	hdown	at Nitro	yard												
Washdown and Operations at 6:00			location																	
•															CUM TIME		OPE		Cun	n Dui
Remarks Directional & ra	anging r	equire	ments still	to be f	finalize	ed.									STANDBY	ode 1		Dur (hr)		hr) 3.00
HOURLY OPE	RATIO	NS SU	MMARY (0:00 T	O 24:	00 OF	THE RI	EPOR1	TING E	DAY					MOVE			12.00) 14	4.00
Start End	Dur (hr)	Proble	Phase	D	End epth nKB)	Activity					om				DAILY CO		s	Т	tle	
Time Time 00:00 06:00	6.00	m? Yes	Rig Move		31.00		Oper		suspe		-	C / both	crews	on	Adrian Nyg			illing iperviso		
06:00 18:00	12.00		Rig Move	- 6	31.00	RMO	Conti	inue ha				P-2. Hor			Robert Cra	iig	Dr	illing		
										for remo		k and tilt	tray to)	Jeff Wilkins	son		iperviso	or	
18:00 00:00	6.00	Yes	Rig Move	6	31.00	STB	Both	crews	on day	ylights								perinto		
HOURLY OPE	RATIO	NS SU	MMARY (O 6:0	0 OF T	HE NE	XT RE	PORT	ING DAY					Mohamma Rahman	d	W	ell Eng	ineer	
Start End Time Time	Dur (hr)	Proble m?	Phase	D	epth nKB)	Activity				(om				SAFETY C					
00:00 06:00	6.00	Yes	Rig Move	6	31.00	STB	Both	crews	on day	ylights					BOP Drill	3	La	st Date	#0	ccur
MUD PROPER	RTIES		Time			Depth	(mKD)		Do	ens (sg(h2o)		\/io	s (days/r	n3\	Toolbox					
Туре			Tillle			Берит	(IIIKD)		De	ins (sy(nzo)		VIS	s (uays/i	11")	Weekly sa Meeting bo					
NPT		•			•										crews	7.01				
Activity Waiting on - da	ay light						Start Date	e 3/12/20)12 18:	:00	End Da	ate 9/12/201	12 06:	00	Weekly sa meeting bo	•				
Comment Wait on location	n. acce	ss con	ditions sti	pulate a	activity	v from C	06:00 -	18:00							crews.					
Activity Waiting on - da							Start Date)12 18 [.]	.00	End Da	ate 10/12/20	12 06 ⁻	00	SAFETY C	_		NS		- 4
Comment Wait on location	, ,	ee con	ditions sti	nulate :	activity	v from (Safety Stats	Comp Typ	e	Comp	any	# Rpts
MUD USED	, accc.	33 0011	unions su	pulate	activit	y iroin c	0.00 -	10.00							301			Drilling		
	Des			Units		Ven	dor		Rec	Cons	umed	On Loc		aily Field st (Cost)	SLAM			Nitro Drilling		11
				O.I.I.O		70	uo.		1100	00.10	umou	0.1.200		or (000t)	JSA			Nitro		
Job Supplies	ipply Item I	Dos		Unit L	ahol		Vend	dor		Received		Consumed	Cur	n On Loc	HAZOBS	+		Drilling Nitro		
30	ірріу ісені і	Des		Office	Label		Vend	uoi		Received		Consumed	Cui	II OII LOC		$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}$		Drilling		
DRILL STRING			FORMATI	ON											PERSONN	EL LOG		MARY g Work	Tot W	Vork
BHA # <string< td=""><td>•</td><td>es> Mak</td><td>e</td><td></td><td>Model</td><td></td><td>1/</td><td>ADC Cod</td><td>les</td><td></td><td>Seria</td><td>al Number</td><td>Le</td><td>ength (m)</td><td>Туре</td><td>Cour</td><td>nt H</td><td>rs (hr) 44.00</td><td>Hrs (</td><td></td></string<>	•	es> Mak	e		Model		1/	ADC Cod	les		Seria	al Number	Le	ength (m)	Туре	Cour	nt H	rs (hr) 44.00	Hrs (
Nozzles (mm)				Bit Total	Fluid Ar	rea (nozzle	es) (mm²))		IADC Bit Du	<u> </u>				SAFETY C					.50
String Length (m)				Weight o	of String	in Air (dal	N)			BHA ROP (r	n/hr)				Тур	е		Da	te	
String Components															MUD PUM					
Drilling Param	neters														#1, Shar		ingno		wer C	
		h (mKB)	End Depth (mKB) C	um Dep	oth (m)	Drilling T	ime (hr)	Cum [Orill Time (Int ROI	P (m/hr)	Q Flow	(m³/min)	372 Liner Size (mn	2.8	5	0.8 Stk OR (m	1	87.3
WOB (daN)	RPM (rpm))	SPP (bars)	D	rill Str W	Vt (daN)	PU Str W	/t (daN)	SO Str	Wt (daN)	Drilling	Torque	Off Btm	ı Tq	,	Slow Spd		es (s		
SURVEY DAT	Α																	,		
	Date			N	/ID (mK	В)		Incl (°)		Azr	n (°)		TVD (m	KB)	#2, Dezl	Rod D	ia (mm)	Stro	ke (mm	1)
Underreaming	ı İnterv	als		I											372 Liner Size (mn			0.8 Stk OR (m		52.4
Top (mKB)	' ——	(mKB)	00) (mm)						Com					P (bars)	Slow Spd	Strol	es (s	Eff (%)	
	1														(20.0)		0.00	(0	(70)	
									Pag	e 1/1						Repor	t Prin	ted: 2	24/01/	201



SURVEY DATA

MD (mKB)

Date

2 , Dezhou L&A Petroleum Machin

50.8

/ol/Stk OR (m³/stk) Strokes (s...

Report Printed: 24/01/2013

152.4

Rod Dia (mm)

372.8

Liner Size (mm)

	OW _e	energy e: PD					Da ALL DE	•	rilling l S REFEI	•		Э КВ	-		Date: 10/ Repo om Spud	rt #: 3	3.0
API/UWI	IVAIII	5. FD	Field N		Is	State/Province	!	Country			WBS Code	· 1	CASING ST	BINGS			
BPD12	2001		1	Downs		Queenslar		Austra	lia		C.A5.BF .12101	PD.AD.12.001	Csg D		OD (mm)	Set Depti (mKB)	
Well Type SIS La			Well C	onfiguration T	ype	Spud Date 13/12/20	012 00:00	Rig Relea	ase Date 11/2013 09	:00	Start Date 8/12/	2012 16:00	Surface		244.5	69.1	_
		ATIONS	;					1			<u> </u>					64.7	3
		n (no plan	chan		Elevation (m	,	Ground Elevat	ion (m)	000.77	KB-Gro	ound Distan						
Target D	epth (mKB	5)	12.17	Total Depth ((mKB)	227.67	End Depth (ml	KB)	223.77	Depth	Progress (m	3.90					
Dia Alam		1,	562.00			1,546.63			0.00		-d- (0)	,					
Rig (Nam Nitro D	rilling N	litroD1		Weather Partly ove	ercast		Latitude (°)	22° 13	8' 6.832" S	Longitu	٠,	15' 55.608" E					
Move I		om Nitro		o Dysart to sub and ot			ation over fr	om con	struction to	o drillir	ng. Spot	mud tanks					
		eport Perio		mence ria	un Δtter	nd safety r	neeting in M	loranhal	h				CUM TIME!	OC by C	DEDATIO	vie.	
	ns at 6:00	ot loads	5, COIIII	nence ng	up. Attei	id Saicty i	necting in iv	ioraribai					CUM TIMEI			Cum D	ur
Remarks													STANDBY	de 1	Dur (hr) 12.00	(hr) 30.0	
		make ι	up tools	s. Nitro inv	vestigatin	g feasibilit	y of doing th	nis in the	eir shop				MOVE		12.00		
HOUR	LY OPE	RATIO	NS SU	MMARY 0	0:00 TO	24:00 OF	THE REPO	RTING	DAY				DAILY CON	ITACTS			
Start	End		Proble		End Dep								Job Co		Tit	е	
Time	Time 06:00	Dur (hr) 6.00	m?	Phase Rig Move	(mKl	B) Activity		vo on de		Com			Adrian Nyga	aard	Drilling Superviso	r	
00:00	18:00	12.00	Yes	Rig Move		00 STB	Both crev		, ,	n Dvs:	art Spot	mud tanks	Robert Crai	n	Drilling	!	\dashv
00.00	10.00	12.00		Tag more	"		and pum	p with Ľl	MR crane	servic	e. Spot	sub and	Trobort Gran	9	Superviso	r	
							other load	ds on lo	cation. Br	eak to	wer tomo	orrow	Jeff Wilkins	on	Drilling		ヿ
18:00	00:00	6.00	Yes	Rig Move	61.	00 STB	Both crev	vs on da	avlights				Mahammaa	1	Superintd		
	l .	<u> </u>					HE NEXT F		, ,				Mohammad Rahman		Well Engi	ieei	
HOOK		I		WINAKT	End	t		<u> </u>	IIIIG DAT				SAFETY CI	HECK SU	IMMARY		
Start Time	End Time	Dur (hr)	Proble m?	Phase	Dep (mKl		,		C	om			Туре		Last Date	# Occu	ır
00:00	06:00	6.00	Yes	Rig Move	61.	00 STB	Both crev	vs on da	aylights				BOP Drill				
MUD F	ROPE	RTIES											Toolbox Weekly safe	st.			\dashv
	Туре			Time		Depth	(mKB)	D	ens (sg(h2o))	1	Vi	s (days/m³)	Meeting bot	,			
													crews				
NPT Activity							Start Date			End Da	ite		Weekly safe meeting bot	,			
Waitin	g on - d	ay light					9/12/	2012 18	3:00			12 06:00	crews.	''			
Commen Wait o		on, acce	ess con	ditions stip	oulate act	tivity from	06:00 - 18:0	0					SAFETY O	BSERVA	TIONS		
Activity	g on - da	av light		<u>.</u>			Start Date	2/2012 1	8·00	End Da		12 06:00		Compan	y		#
Commen		ay ligiti					10/12	./2012 1	0.00		11/12/20	12 00.00	Safety Stats SOP	Туре	Nitro	iny R	pts
Both c	rews on	dayligh	ts												Drilling		
MUD	JSED							1				Daily Field	SLAM		Nitro Drilling	1	10
		Des		ı	Units	Ve	ndor	Rec	Cons	umed	On Loc		JSA		Nitro Drilling		_
Job Si	upplies Si	upply Item	Des		Unit Lab	el	Vendor		Received	i_	Consumed	Cum On Loc	HAZOBS		Nitro Drilling		
													PERSONNI	EL LOG S	SUMMARY		
DRILL	STRIN	G AND	BIT IN	FORMATI	ON									Count	Reg Work	Tot Wor	
BHA #	<string< td=""><td>no>, <d< td=""><td>les></td><td></td><td>IMA</td><td>odel</td><td>IADC (</td><td>Codoo</td><td></td><td>Corio</td><td>al Number</td><td>Length (m)</td><td>Туре</td><td>12</td><td>Hrs (hr) 144.00</td><td>144.0</td><td></td></d<></td></string<>	no>, <d< td=""><td>les></td><td></td><td>IMA</td><td>odel</td><td>IADC (</td><td>Codoo</td><td></td><td>Corio</td><td>al Number</td><td>Length (m)</td><td>Туре</td><td>12</td><td>Hrs (hr) 144.00</td><td>144.0</td><td></td></d<>	les>		IMA	odel	IADC (Codoo		Corio	al Number	Length (m)	Туре	12	Hrs (hr) 144.00	144.0	
Dit Kull	Joize (IIII	111)	Ivian	C	IVIC	Juei	IADC	Joues		Joens	ai Nuillbei	Lengur (III)	SAFETY CI	HECKS T	ODAY		
Nozzles	(mm)		·		Bit Total Flu	id Area (nozz	les) (mm²)		IADC Bit Dul	I			Туре		Dat	е	
String Le	ngth (m)				Weight of S	tring in Air (da	ıN)		BHA ROP (n	n/hr)							
Strina Co	mponents	·							<u> </u>				MUD PUMF				
5 30	,												# 1, Shand	Rod Dia	-	ver Co	,
	g Paran		th (mal/D)	End Danie (mKD) IO	Donth (m)	Dellie - Torre "	nr) 10	Dell Time - /	Int DO	D (m/b=)	O Flour (m3/m1m)	372.	8	50.8	187	.3
Wellbore		ыап рер	uı (MKB)	End Depth (r	IIKB) [Cum	Debtu (m)	Drilling Time (h	ii) Cum	Drill Time (Int ROI	- (III/NF)	Q Flow (m³/min)	Liner Size (mm)	T	Vol/Stk OR (m ³	/stk)	
WOB (da	ıN)	RPM (rpm	1)	SPP (bars)	Drill	Str Wt (daN)	PU Str Wt (dal	N) SOS	str Wt (daN)	Drilling	Torque	Off Btm Tq	P (bars) S	low Spd	Strokes (s E	ff (%)	\dashv

Azm (°)

TVD (mKB)

Incl (°)



Report Start Date: 10/12/2012

Report #: 3.0 Days From Spud: -2.00

ALL DEPTHS REFERENCE MD KB

Top (mKB)	Intervals			
Top (mKB)	Btm (mKB)	OD (mm)	Com	
				1
				1
				1
			Page 2/2	Report Printed: 24/01/2013



Daily Drilling Report

ALL DEPTHS REFERENCE MD KB

Report Start Date: 11/12/2012

Report #: 4.0 Days From Spud: -1.00

CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)
Surface	244.5	69.10
	-	64.73

API/UWI			Field N	lame		State	e/Province		Country			VBS Code		CASING S	TRINGS			
BPD12	2001		Peak	Downs		Que	eenslan	d	Austra	lia		C.A5.BI 12101	PD.AD.12.001	Csg [OD (mm		Set Depth (mKB)
Well Type			Well C	onfiguration	Туре		Date	40.00.00	3	ase Date	5	Start Date	10040 40 00	Surface		244.		69.10
SIS La			<u> </u>			1	3/12/20	12 00:00	10/0	1/2013 09	:00	8/12/	2012 16:00			-		64.73
		ATIONS		Original KB	Elevation	(m)		Ground Elevat	ion (m)		KB-Grou	nd Distan	ce (m)	-				
			12.17				227.67			223.77			3.90	1				
Target De	epth (mKB		62.00	Total Depth	(mKB)	1,	,546.63	End Depth (ml	KB)	0.00	Depth Pr	ogress (n	1)					
Rig (Nam	nes) Prilling N	itroD1		Weather Partly ov	ercast			Latitude (°)	22° 13	3' 6.832" S	Longitud	. ,	' 15' 55.608" E					
Operation	ns Summa	ry												1				
								Spot rig on due to pipe										
from 1	0:00-14	:15. Ra	ise ma					n loads and			.9 4000							
		eport Period complet		nove onto	location	n. Cor	ntinue ri	gging up.						CUM TIME	LOG by	OPERA	TION	Cum Dur
	ns at 6:00		aaina											MOVE	ode 1		r (hr) 8.00	(hr) 44.00
Remarks		ove & ri												STANDBY			6.00	36.00
Have r	e run 8-	1/2" bit	on loca	ation. Wo	uld like	new 8	8-1/2" b	it.						DAILY CO	NTACTO		3.00	
HOUR	LY OPE	RATIO	NS SU	MMARY		O 24	:00 OF	THE REPO	RTING	DAY				Job Co		<u>, </u>	Title	
Start	End	Dura (has)	Proble	Phase		Ena)epth nKB)	A adii iida .				om			Adrian Nyg	jaard	Drilling Super	_	
Time 00:00	7ime 06:00	Dur (hr) 6.00	m? Yes	Rig Move		31.00	Activity STB	Both crev	vs on da		JOH			Robert Cra	nia	Drilling		
06:00	15:00	9.00		Rig Move	9 6	31.00	RMO	Shift load	ls from I	Dysart was	sh down	bay to	location		Ü	Super	_	
15:00	00:00	9.00		Rig Up	- 6	31.00	RUU	Finish sp	otting lo	ads / rig u	р			Jeff Wilkins	son	Drilling		
HOUR	LY OPE	RATIO	NS SU	MMARY			00 OF T	HE NEXT F	REPOR	TING DAY				Mohamma	d	Super Well E		
Start	End		Proble		[End epth								Rahman	ŭ	'''		00.
Time 00:00	13:00	Dur (hr) 13.00	m?	Phase Rig Up		mKB)	Activity RUU		aina up	nipple up	BOP's.	prepar	e to PT	SAFETY C	HECK S	UMMAR	Υ	
	PROPER	TIFS		3 - 1				1 - 3	3 3 1	, ,,				Type BOP Drill)	Last Da	te	# Occur
WOD I	Туре	···LO		Time			Depth	(mKB)		ens (sg(h2o))		Vi	s (days/m³)	Toolbox			 -	
														Weekly sa			\dashv	
NPT								Otant Data			E-15-1			Meeting bo	oth			
Activity Waiting	g on - da	ay light						Start Date 10/12	/2012 1	8:00	End Date		12 06:00	Weekly sat	fetv		\dashv	
Commen Both co		dayligh	ts											meeting bo	, ,			
MUD L		,												crews.				
	,025	D			1.1-26-		14	des				0-1	Daily Field	SAFETY C	Compa			T #
		Des			Units		Ver	iuoi	Red	Cons	umed	On Loc	Est (Cost)	Safety Stats	Туре	e C	ompan	ny Rpts
Job St	upplies								1					HAZOBS		Nitı Dril	ro Iling	2
		upply Item	Des		Unit I	abel		Vendor		Received	i Co	onsumed	Cum On Loc	JSA	+	Nitr		1
														01.444			lling	
				FORMAT	ION									SLAM		Nitı Dril	ro Iling	2
	Size (mr	no>, <d ⁿ⁾</d 	es> Mak	e		Model		IADC C	Codes		Serial	Number	Length (m)	SOP	1	Nitr		_
Nozzles ((mm)				Dit Total	Eluid A	rea (nozzl	os) (mm²)		IADC Bit Du						Dril	lling	
							•							PERSONN	EL LOG			
String Le	ngth (m)				Weight	of String	g in Air (da	N)		BHA ROP (r	n/hr)			Туре	Coun)	Tot Work Hrs (hr)
String Co	mponents	i												1	12	144.0	00	144.00
Drilling	g Paran	neters												SAFETY C		TODAY	Date	
Wellbore			h (mKB)	End Depth	(mKB) C	um Dep	oth (m)	Drilling Time (h	nr) Cum	Drill Time (Int ROP	(m/hr)	Q Flow (m³/min)	Тур	е		Date	
WOB (da	ıN)	RPM (rpm)	SPP (bars)	D	rill Str V	Vt (daN)	PU Str Wt (dal	N) SOS	Str Wt (daN)	Drilling T	orque	Off Btm Tq	MUD PUM	P			
														#1, Shar	ndong Qi			
SURVI	EY DAT													Pwr (kW) 372	Rod Dia	a (mm) 50.8	Stroke	(mm) 187.3
		Date			N	ИD (mK	R)	Incl (°)	Azr	n (ˇ)		TVD (mKB)	Liner Size (mm		Vol/Stk O	R (m³/s	
Under	reamin	g Interv	als											P (bars)	Slow Spd	Strokes (s Ef	f (%)
	(mKB)		n (mKB)	0	D (mm)					Com				# 2 5-	001: 1 0 4	Dotr-1		loch!
														# 2 , Dezi	Rod Dia	a (mm)	Stroke	(mm)
														372 Liner Size (mm		50.8 Vol/Stk O	R /m ^{3/}	152.4
														·			`	
														P (bars)	Slow Spd	Strokes (s Eff	f (%)
									Pa	ge 1/1					Report	t Printed	: 24	/01/201



ALL DEPTHS REFERENCE MD KR

Report Start Date: 12/12/2012 Report #: 5.0 Days From Spud: 0.00

Report Printed: 24/01/2013

	Name	e: PD		-				ALL DI	2P 1113	KEFEI	CEIN	CE MD	ND		Daysı	Tom Spt	uu. 0.0
API/UWI BPD12	2001		Field N Peak	lame Downs	i		e/Province eensland	d	Country Austral	ia		WBS Code C.A5.BPD .12101	.AD.12.001	CASING ST		OD (mm)	Set Depth (mKB)
Well Type SIS La			Well C	onfiguratio	n Type		d Date	12 00:00	Rig Relea	se Date 1/2013 09	.00	Start Date 8/12/20	12 16:00	Surface		244.5	69.10
		ATIONS	:				07 12720	12 00.00	1 10/0	1,2010 00	.00	0,12,20	12 10.00				
		on (no plar	chan	Original I	KB Elevat	ion (m)		Ground Elevat	tion (m)	222	KB-Gr	ound Distance (
Target De	epth (mKB	3)	12.17		oth (mKB))	227.67	End Depth (m	KB)	223.77	Depth	Progress (m)	3.90				
Rig (Nam	196)	1,	562.00	Weather		1	,546.63	Latitude (°)		0.00	Longit	ude (°)					
Nitro D	rilling N			1	overcas	st		Lautude ()	22° 13	' 6.832" S	Longic		5' 55.608" E				
	ns Summa rig up a		n press	sure tes	ting of	stack. N	/lake up	BHA, and I	RIH to D	OC. FIT te	st co	mpleted this	3				
mornin	_	eport Perio															
Drill ah	ead 8	1/2" hole		athfinde	r									CUM TIME	LOG by	OPERATIO	NS
•	ns at 6:00 ing to m	nake up	directi	onal BH	IA									Co	de 1	Dur (hr	Cum Du
Remarks		ectional												MOVE		13.00	0 57.00
						TO 24	.00 05	THE DEDO	DTING	DAV				WORKTIME	Ξ	11.00	
поок	LYOPE	KATIO	NS 50	WIWAK	1 00:00	End	:00 OF	THE REPO	KIING	DAT				STANDBY		0.00	0 36.00
Start Time	End Time	Dur (hr)	Proble m?	Pha	se	Depth (mKB)	Activity			C	om			Job Co			itle
00:00	13:00	13.00		Rig Up		61.00		1 -				s, prepare t		Adrian Nyga		Drilling	
13:00	22:00	9.00		Rig Up		51.90	NUD	Pressure 750PSI k		P and cho	ke ma	anifold, 200	0PSI high,	Robert Crai	<u> </u>	Supervise	or
22:00	23:30	1.50		Rig Up	+	51.90	MBH	Make up	BHA to	rill out cen	nent,	RIH, tag at	48mGL	I Robert Crai	y	Supervise	or
23:30	00:00	0.50		Radius		`	DCM	Drill out o	cement					Jeff Wilkins	on	Drilling	1.1
				Bend		70.68								Mohammad		Superinto Well Eng	
HOUR	LY OPE	RATIO	NS SU	MMAR	Y 00:00	TO 6:0	00 OF T	HE NEXT I	REPORT	ING DAY				Rahman	•	TVVCII EIIG	illicci
Start Time	End Time	Dur (hr)	Proble m?	Pha	se	Depth (mKB)	Activity			C	om			SAFETY CI	HECK S	UMMARY	
00:00	02:15	2.25		Radius		73.00		1				ell as three	meters of	Type BOP Drill		Last Date	# Occur
02:15	02:45	0.50		Bend Radius		73.00	CIR	new hole		ud for FIT	tost			Toolbox			
02.15	02.43	0.50		Bend		73.00	CIK	Circulate	Clean III	uu ioi Fii	iesi			Weekly safe			
02:45	03:00	0.25		Radius		73.00	FIT					si (86.93ps		Meeting bot crews	th		
				Bend				1	,	ulated at 1		two minute	s, bleed	Weekly safe	etv		
03:00	04:00	1.00		Radius		73.00	TRI	Pull out o	of hole to	make up	direct	tional tools		meeting bot crews.	th		
04:00	04:30	0.50		Bend Radius		73.00	DDLI	Lay out E	DLIA								
04.00	04.30	0.50		Bend		73.00	БЫІ	Lay out E	DI IA					SAFETY O	Compa		#
04:30	08:30	4.00		Radius Bend		73.00	MBH	Make up	direction	nal tools w	ith Pa	thfinder		Safety Stats HAZOBS	Туре		pany Rp
				Dena												Drilling	9
MUD P	Type	RIIES	Т.	Tim	<u></u> е		Depth	(mKB)	l D	ens (sg(h2o))		Vis (d	ays/m³)	JSA		Nitro Drillino	,
														SLAM		Nitro	-
MUD U	ISED															Drilling	9
		Des			Units		Ven	dor	Rec	Cons	umed	On Loc	Daily Field Est (Cost)	SOP		Nitro Drillino	,
														PERSONNI	FLLOG	SUMMARY	,
Job St	upplies	upply Item	Dan		1 11-	nit Label		Vendor		Received		Consumed	Cum On Loc			Reg Work	Tot Work
	3	ирріу петі	Des		1 01	III Label		vendoi		Received		Consumed	Culli Oli Loc	Туре	Count 12	` '	Hrs (hr) 144.00
DRILL	STRIN	G AND	BIT IN	FORMA	TION							•		SAFETY CI	HECKS	TODAY	
	1, Drill										,			Туре)	Da	ate
Bit Run 1	Size (m		Mak 5.9 NC			Model SKP	616M	IADC (Codes			al Number 0909	Length (m) 0.30				
Nozzles (mm)				Bit To	otal Fluid A	rea (nozzle	es) (mm²)		IADC Bit Dul	-			# 1, Shan		nanena Po	wer Co
String Le	ngth (m)					ht of Strin	g in Air (dal	N)		BHA ROP (n	n/hr)			Pwr (kW)	Rod Dia	(mm) Stro	ke (mm)
String Co	mponents	.		75.	61				4,092				8.6	372. Liner Size (mm)		50.8 Vol/Stk OR (m	187. n³/stk)
NOV S	KP616	M, Bit S	ub, Dri	II Collar	, XO Sı	ıb, HW	DP									,	
Drilling Wellbore	g Paran	neters Start Dep	h (mKR)	End Den	th (mKR)	Cum De	pth (m)	Drilling Time (I	hr) ICum	Drill Time (Int RO	P (m/hr) Q	Flow (m³/min)	P (bars) S	low Spd	Strokes (s	□ (%)
Origina	l Hole		51.90		69.10	0	17.20	2	2.00	2.00		8.6		# 2 , Dezh			
WOB (da	N)	RPM (rpm	₎ 80	SPP (bai	70.68		Wt (daN) 18.78	PU Str Wt (da	N) SOS	tr Wt (daN)	Drilling	Torque Ot	ff Btm Tq	372.		50.8	oke (mm) 152.
						•								Liner Size (mm))	Vol/Stk OR (m	n³/stk)
																1	



ALL DEPTHS REFERENCE MD KB

Report Start Date: 12/12/2012 Report #: 5.0 Days From Spud: 0.00

SURVEY DATA	<u> </u>							P (bars)	Slow Spd	Strokes (s	Eff (%)
	Date		MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)				
Underreaming	Intervals										
Top (mKB)	Btm (mKB)	OD	(mm)			Com					
						ge 2/2			D	Printed: 2	04/04/004
					Pa	Π Δ 2/2			RANAR	⊢rintod. '	/4/07/2013



ALL DEPTHS REFERENCE MD KB

Report Start Date: 13/12/2012 Report #: 6.0 Days From Spud: 1.00

CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)
Surface	244.5	69.10

64.73

api/uwi BPD12				Downs	Qu	e/Province eenslan		Country Australia		WBS Code C.A5.BPD.AD.12 .12101	2.001
Well Type SIS La			Well C	onfiguration Type	1 '	^{d Date} 13/12/20	12 00:00	Rig Release Date 10/01/2013 09	00:00	Start Date 8/12/2012 16	:00
DAILY	OPERA	ATIONS									
Most Like	ly Duratio	n (no plan	chan	Original KB Elev	ation (m)	227.67	Ground Eleva	tion (m) 223.77		ound Distance (m)	3.9
Target De	epth (mKB)	12.17	Total Depth (mK			End Depth (m			Progress (m)	3.8
Rig (Nam	\	1,5	562.00	Weather	1	,546.63		138.80	Longitu		68.1
Nitro D	rilling N			Clear			Latitude (°)	22° 13' 6.832" S		148° 15' 55.6	808" I
	s Summa		38nn	a achieved at	leak off	Pull or	ıt to make ı	up directional tools	and ri	in in hole with	
				Pump failure				ap an cononar toolo	una n	an in noic with	
	s Next Re	port Period	d								
Operation		UF .									
Drilling Remarks		at 237m	1								
		out of s	tores	this morning							
HOURI	LY OPE	RATIO	NS SU	IMMARY 00:	00 TO 24	1:00 OF	THE REPO	RTING DAY			
Chart	End		Proble		End Depth						
Start Time	Time	Dur (hr)	m?	Phase	(mKB)	Activity			Com		
00:00	02:15	2.25		Radius Bend	73.00	DCM	Drill cem	ent and shoe track	as we	ell as three meter	s of
02:15	02:45	0.50		Radius	73.00	CIR		clean mud for FIT	test		
JZ. 1J	J2.7J	0.50		Bend	7 3.00		- Circulate	South muu 101 I-11	1001		
02:45	03:00	0.25		Radius	73.00	FIT		FIT. Leak back to			
				Bend				d) where it stabiliz			ed
03.00	04:00	4.00		Dadius	70.00	TDI		MW calculated at		. •	
03:00	04:00	1.00		Radius Bend	73.00	TRI	Pull out o	of hole to make up	uirect	เบเลเ เบบเร	
04:00	04:30	0.50		Radius	73.00	BBH	Lay out E	ВНА			
				Bend							
04:30	08:30	4.00		Radius	73.00	MBH	Make up	directional tools w	ith Pa	thfinder	
08:30	09:30	1.00		Bend Radius	73.00	SFT	Create	SA for loading and	makir	agun hit / direction	nal
00.30	09.30	1.00		Bend	75.00	JOF 1	tools	SA for loading and	IIIakii	igup bit / direction	IIai
09:30	11:45	2.25		Radius	73.00	MBH	Pick up a	and make up BHA			
44.4-	10.1-	0.55		Bend		0==	1	1	F	0.0	
11:45	12:15	0.50		Radius Bend	73.00	SFT	Pre-spuc	I safety meeting.	Test E	SD on rig	
12:15	13:45	1.50		Radius	73.00	TRI	Make up	heavy weight drill	pipe a	and run in to shoe	<u> </u>
-				Bend				, ,			
13:45	14:15	0.50		Radius	73.00	BRM	Ream th	rough shoe - 1.5 d	egree	bend	
14.15	10.20	4.05		Bend	120.00	DDI	Drill abou	nd from 70m to 10	0	de aum cauca	
14:15	18:30	4.25		Radius Bend	138.00	DKL	Drill anea	ad from 73m to 13	oiii Wit	n surveys	
18:30	00:00	5.50	Yes	Radius	138.00	TRI	Mud pun	np failure. Pull to	shoe w	rith BHA to repair	
				Bend			suction li	ne welds. Run in			
							pack to 1	118m and repair			
HOUR	LY OPE	RATIO	NS SU	MMARY 00:		00 OF T	HE NEXT	REPORTING DAY			
Start	End		Proble		End Depth						
Time 00:00	Time 17:00	Dur (hr) 17.00	m?	Phase Radius	(mKB) 408.00	Activity		k to bottom and co	om Intinue	drilling ahead to	
				Bend			408m	and oc		3	
MUD P	ROPER	RTIES									
	Туре		40.5	Time		Depth	(mKB)	Dens (sg(h2o)		Vis (days/m³)	
			16:00						1.042		(
			21:00						1.042 1.042		(
			100.00						1.042		
NPT Activity							Start Date		End Da	te	
	lown - N	/lud Pun	np					2/2012 18:30		ne 14/12/2012 00:00)
Comment	t			rold failura					•		
		i iiiua pi	unp W	eld failure							
MUD U	SED									Doil	y Field
		Des		Uni	ts	Ver	ndor	Rec Cons	sumed	On Loc Est ((Cost)
	X			sacks					1.0	-1.0	
AusDe				a1. ·				1	100	40 0 1	
AusDe: KCL				sacks					10.0	-10.0	

MORKTIME	CUM TIME	OG by	OPE	RATIO		
DRILL	Cod	de 1		Dur (hr		
SAFETY	WORKTIME	Ē		18.2	5 2	9.25
MOVE STANDBY O.00 57.00 STANDBY O.00 36.00 DAILY CONTACTS Job Contact Title Adrian Nygaard Drilling Supervisor Robert Craig Drilling Supervisor Jeff Wilkinson Drilling Superintdnt Mohammad Rahman SAFETY CHECK SUMMARY Type Last Date # Occur BOP Drill Toolbox Weekly safety Meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Rpt HAZOBS Nitro Drilling JSA Nitro Drilling SLAM Nitro Drilling SLAM Nitro Drilling SCOP Nitro Drilling SCOP Nitro Drilling SAFETY CHECKS TODAY Type Count Reg Work Hrs (hr) Type Date MUD PUMP # 1, Shandong Qingneng Power Co, Pwr (kW) 372.8 Rod Dia (mm) 372.8 Slow Spd Strokes (s Eff (%) # 2, Dezhou L&A Petroleum Machin	DRILL			4.2	5	4.25
DAILY CONTACTS Job Contact Title Adrian Nygaard Drilling Supervisor Robert Craig Drilling Superintdnt Mohammad Rahman SAFETY CHECK SUMMARY Type Last Date # Occur BOP Drill Toolbox Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Rept HAZOBS Nitro Drilling JSA Nitro Drilling SLAM Nitro Drilling SLAM Nitro Drilling SCAPETY CHECKS TODAY Type Count Reg Work Hrs (hr) Hrs (hr) Type Date MUD PUMP # 1, Shandong Qingneng Power Co, Pwr (kW) 372.8 Rod Dia (mm) Stroke (mm) Stroke (mm) 372.8 Rod Dia (mm) Stroke (mm) Stroke (mm) Stroke (mm) 372.8 Rod Dia (mm) Stroke (mm) S	SAFETY			1.50	0	1.50
DAILY CONTACTS	MOVE			0.0	0 5	7.00
Adrian Nygaard	STANDBY			0.0	0 3	6.00
Adrian Nygaard Drilling Supervisor Robert Craig Drilling Supervisor Jeff Wilkinson Drilling Superintdnt Mohammad Rahman Well Engineer SAFETY CHECK SUMMARY Type Last Date # Occur BOP Drill Toolbox Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Rpt HAZOBS Nitro Drilling JSA Nitro Drilling SLAM Nitro Drilling SOP Nitro Drilling SOP Nitro Drilling SOP Nitro Drilling SAFETY CHECKS TODAY Type Count Reg Work Hrs (hr) Hrs (hr) Hrs (hr) Hrs (hr) Type Date MUD PUMP # 1 , Shandong Qingneng Power Co , Pwr (kW) 372.8 Rod Dia (mm) Stroke (mm) 372.8 Slow Spd Strokes (s Eff (%) # 2 , Dezhou L&A Petroleum Machin	DAILY CON	ITACTS				
Robert Craig					itle	
Supervisor	Adrian Nyga	ard	Sı	upervis	or	
Superintdnt Mohammad Rahman SAFETY CHECK SUMMARY Type Last Date # Occur BOP Drill Toolbox Weekly safety Meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Rpt HAZOBS Nitro Drilling JSA Nitro Drilling SLAM Nitro Drilling SLAM Nitro Drilling SOP Nitro Drilling SOP Nitro Drilling SOP SAFETY CHECKS TODAY Type Count Reg Work Hrs (hr) Hrs (hr) Hrs (hr) 21 252.00 252.00 SAFETY CHECKS TODAY Type Date MUD PUMP # 1 , Shandong Qingneng Power Co , Pwr (kW) 372.8 Rod Dia (mm) Stroke (mm) 372.8 So.8 187.3 Liner Size (mm) Vol/Stk OR (m³/stk) # 2 , Dezhou L&A Petroleum Machin	·		Sı	upervis	or	
Rahman SAFETY CHECK SUMMARY Type	Jeff Wilkins	on			dnt	
Type			W	ell Eng	ineei	٢
BOP Drill Toolbox Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats	SAFETY CH	HECK S	UMN	IARY		
Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Type Company Type Nitro Drilling PERSONNEL LOG SUMMARY Type Count Hrs (hr) Type Count Hrs (hr) Type Date MUD PUMP # 1, Shandong Qingneng Power Co, Pwr (kW) 372.8 Rod Dia (mm) 372.8 Strokes (s Eff (%) # 2, Dezhou L&A Petroleum Machin			La	st Date	# (Occur
Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats						
Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Type Company Rept: Nitro Drilling JSA Nitro Drilling SLAM Nitro Drilling SLAM Nitro Drilling SOP Nitro Drilling PERSONNEL LOG SUMMARY Type Count Hrs (hr) Hrs (hr) Hrs (hr) 21 252.00 252.00 SAFETY CHECKS TODAY Type Date MUD PUMP # 1, Shandong Qingneng Power Co, Pwr (kW) 372.8 Rod Dia (mm) Stroke (mm) 372.8 So.8 187.5 Liner Size (mm) Vol/Stk OR (m³/stk) P (bars) Slow Spd Strokes (s Eff (%)						
Crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Repts HAZOBS Nitro Drilling JSA Nitro Drilling SLAM Nitro Drilling SLAM Nitro Drilling SOP Nitro Drilling PERSONNEL LOG SUMMARY Type Count Hrs (hr) Tot Work Hrs (hr) Hrs (hr) 21 252.00 252.00 SAFETY CHECKS TODAY Type Date MUD PUMP # 1, Shandong Qingneng Power Co, Pwr (kW) 372.8 Rod Dia (mm) Stroke (mm) 372.8 So.8 187.5 Liner Size (mm) Vol/Stk OR (m³/stk) P (bars) Slow Spd Strokes (s Eff (%)						
SAFETY OBSERVATIONS	•	"				
SAFETY OBSERVATIONS	Weekly safe	etv			+	
SAFETY OBSERVATIONS						
Safety Stats						
Safety Stats	SAFETY OI	BSERV	ATIO	NS		
Nitro Drilling	Safety State			Comr	anv	
SLAM		Турс	•		dily	Typic
Drilling SLAM Nitro Drilling				Drilling	j	
SLAM	JSA				1	
Drilling	SLAM				,	+
Drilling	02,				j	
PERSONNEL LOG SUMMARY Type	SOP					
Type						
Type	PERSONNE					M/aul.
Number Date	Туре					
Type		21	2	252.00	25	2.00
MUD PUMP	SAFETY CH	HECKS	TOD	AY		
# 1 , Shandong Qingneng Power Co , Pwr (kW)	Туре			Da	ite	
# 1 , Shandong Qingneng Power Co , Pwr (kW)			_			
Pwr (kW) 372.8 Rod Dia (mm) Stroke (mm) 187.5						
372.8 50.8 187.5						
Vol/Stk OR (m³/stk)						
# 2 , Dezhou L&A Petroleum Machin						107.0
	P (bars)	ow Spd	Stro	kes (s	Eff (%)
	#2. Dezh	0u &Δ	Pet	roleum	Mac	hin
	•					
		-				

Report Printed: 24/01/2013



Report Start Date: 13/12/2012

Report #: 6.0 Days From Spud: 1.00

	Liner Size (m	m)	Vol/Stk OR (n	n³/stk)
	,	<i>'</i>	,	,
	P (bars)	Slow Spd	Strokes (s	Eff (%)

allow					Α	LL DE	PTE	IS R	EFERE	NCF	EMDE	(B	
	e: PD120A	L					71 11.	10 10	ET ETCE	1101	1 10110 1	<u> </u>	
MUD USED													
	Des		Units		Ver	ndor		Rec	Cons	umed	On Loc		Daily Field Est (Cost)
Soda Ash		sa	cks							1.0	-1	_	201 (0001)
XanBore		sa	cks	+						1.0	-1	.0	
Job Supplies	upply Item Des		Linit	Label		Vendo	or.		Received		Consumed	I Cı	ım On Loc
3	ирріу ісені Без		Offic	Label		vendo	Ji		Neceived	<u>'</u>	Jonsumeu	Ci	IIII OII LOC
	G AND BIT IN	FORMAT	ION										
BHA #1, Drill Bit Run Size (m				Madel		Liai	DC C-4-			I Casia	I Ni mala au	- 11	anath (ma)
Bit Run Size (m	m) Make 215.9 NO			Model SKP61	6M	IAI	DC Code	s			l Number 1909		ength (m) 0.30
Nozzles (mm)	210.0110	•	Bit Total	Fluid Area		les) (mm²)			IADC Bit Dul				0.00
String Length (m)		75.04		of String in	Air (da	N)	4	000	BHA ROP (n	n/hr)			0.0
String Components	•	75.61					4	,092					8.6
• .	, M, Bit Sub, Dril	l Collar,)	(O Sub	, HWDF)								
Drilling Parar	neters												
Wellbore	Start Depth (mKB)	End Depth	(mKB) C	um Depth	(m)	Drilling Tin	ne (hr)	Cum	Drill Time (Int ROF	(m/hr)	Q Flov	v (m³/min)
Original Hole	51.90		69.10		17.20		2.00		2.00		8.6		
WOB (daN)	RPM (rpm) 80	SPP (bars)		Drill Str Wt (daN)			(daN)	SO St	r Wt (daN)	Drilling	Torque	Off Bt	m Tq
BHA #2, Build						l							
Bit Run Size (m		е		Model		IAI	DC Code	es		Seria	l Number	Tı.	ength (m)
2 \	215.9 NO	V		S516		_				E14	4207		0.22
Nozzles (mm)	•		Bit Total	Fluid Area	a (nozzl	les) (mm²)			IADC Bit Dul				
String Length (m)			Weight	of String in	Δir (da	N)			BHA ROP (n	n/hr)			
Caming Longar (m)		41.69	1 ~	or ourng in	17111 (44				District (ii	<i>,</i>			55.5
String Components			·										
	O Sub - Non M		" DC, X	O Sub -	- Non	Mag, NI	MDC, >	KO Sı	ub - Non N	Лаg, ⊦	IDS1 MW	/D, P	ony
•	ub, G2 Dynadr				7								
Drilling Parar Wellbore			8.00		(7.32	I Daillin a Tia	(h)	10	Daill Time a /	LI-4 DOI	20.70		(ma3/maim)
Original Hole	Start Depth (mKB) 70.68		38.80	Cum Depth	68.12	Drilling Tir	3.25) Drill Time	IIII ROF	21.0	Q FIO	v (m³/min) 1.325
WOB (daN)	RPM (rpm)	SPP (bars)				PU Str Wt			r Wt (daN)	Drilling		Off Bt	
	34		86.2								4,200.0		
SURVEY DAT	A												
	Date		ı	MD (mKB)		lı	ncl (°)		Azn	า (°)		TVD (mKB)
Underreamin	g Intervals												
Top (mKB)	Btm (mKB)	1 0	D (mm)						Com				
,	1		. ,										



ALL DEPTHS REFERENCE MD KB

Report Start Date: 14/12/2012

topo.t ota.	
	Report #: 7.0
Days	From Spud: 2.00

API/UWI			Field N	Name		State	e/Province		Country		WBS Code	•	CASING S	FRINGS		
BPD12			Peak	k Downs		Que	eensland	i	Australia		C.A5.BF .12101	PD.AD.12.001	Csg D		OD (mm)	Set Depth (mKB)
Well Type SIS La			Well C	Configuration	on Type		d Date 3/12/20	12 00:00	Rig Release 10/01/2	Date :013 09:00	Start Date 8/12/	2012 16:00	Surface		244.5	69.10
		ATIONS				<u> </u>			10/0//-		3, 12,					64.73
		n (no plar		Original F	KB Elevation	(m)	Т	Ground Elevat	ion (m)	KB-	Ground Distance	ce (m)				
T1 D	II- (ICD		12.17		th (ICD)		227.67	End Double (ad		223.77	#- D	3.90				
rarget D	epth (mKB		562.00		pth (mKB)	1,	,546.63	End Depth (ml		408.00	oth Progress (m	269.20				
Rig (Nam	nes) Prilling N	litroD1		Weather clear				Latitude (°)	22° 13' 6.		gitude (°)	15' 55.608" E				
Operation	ns Summa	ıry		1					22 10 0.	002 0	140	10 00.000 L				
		from 73		06m												
Drill to	casing	point.	u													
	ns at 6:00	na oboc	d from	0 1E1 61	Im								CUM TIME	LOG by	OPERATIO	
Remarks		ng anea	iu iioii	n 454.64	+111								Со	de 1	Dur (hr	Cum Du (hr)
					eating. Me			Dysart car	ne to locati	on and see	m to have	fixed the	DRILL STANDBY		17.00	
		<u> </u>						THE REPO	RTING DA	Y			MOVE		7.00	
					1	End		T		· <u>•</u>			SAFETY		0.00	
Start Time	End Time	Dur (hr)	Proble m?	Pha		epth nKB)	Activity			Com			WORKTIM	Ξ	0.00	
00:00	17:00	17.00		Radius Bend	40	00.8	DRL	Run back 408m	to bottom	and contin	ue drilling a	head to	DAILY CO	NTACTS	}	
17:00	00:00	7.00	Yes	Radius	40	8 00	STB		p failure, p	ull hack to	shoe		Job Co	ntact	Т	itle
17.00	00.00	1.00	100	Bend		.0.00	0.5	Maa pan	ip idiidio, p	an baok to	01100		Adrian Nyg	aard	Drilling Supervise	or
HOUR	LY OPE	RATIO	NS SL	JMMAR'	Y 00:00 T	O 6:0	00 OF TI	HE NEXT F	REPORTIN	G DAY			Robert Crai	 g	Drilling	
Start	End		Proble			End epth									Supervis	or
Time	Time	Dur (hr)	m?	Pha	se (n	nKB)	Activity			Com	L. C. D. H.		Jeff Wilkins	on	Drilling Superinto	Int
00:00	02:30	2.50	Yes	Radius Bend		5.00) 8.00	STB	Repair m	ua pump #	1. Run bac	k to bottom	l.	Mohammad	<u> </u>	Well Eng	
02:30	06:00	3.50		Radius		4.64	DRL	Drill ahea	d from 405	to 454.64	m.		Rahman			
				Bend					408	3.00 m			SAFETY C	HECK S	UMMARY	
MUD F	ROPE	RTIES											Туре		Last Date	# Occur
	Туре			Time	e		Depth ((mKB)	Dens	(sg(h2o))	Vis	s (days/m³)	BOP Drill Toolbox	\longrightarrow		
													Weekly saf	etv		
NPT Activity							Ţ:	Start Date		End	Date		Meeting bo			
Break		/lud Pur	np					14/12	/2012 17:0	0	15/12/20	12 02:30	crews			
Commen Mud pi	t ump fail	ure											Weekly saf	,		
MUD L	JSED												crews.			
		Des			Units		Vend	dor	Rec	Consume	d On Loc	Daily Field	SAFETY O	BSERV	ATIONS	
		Des			Office		vend	u0i	Rec	Consume	d On Loc	Est (Cost)	Safety Stats	Compa Type		any Rpt
Job Si	upplies												HAZOBS	2	Nitro	
0000		upply Item	Des		Unit L	abel		Vendor		Received	Consumed	Cum On Loc		Ļ	Drilling	1
													JSA	1	Nitro Drillino	,
DRILL	STRIN	G AND	BIT IN	FORMA	ATION								SLAM	2	Nitro	'
	2, Build		I N 4 m l			Madal		LIADO	2-4	Lo	anial Niverban	II an aith (m)			Drilling	9
Bit Run 2	Size (mi		Mak 5.9 NC			Model S516		IADC (Lodes		erial Number 144207	Length (m) 0.22	SOP	2	Nitro Drilling	.
Nozzles	(mm)				Bit Total	Fluid A	rea (nozzle	es) (mm²)	IAD	C Bit Dull						<u> </u>
String Le	ngth (m)				1 ~	of String	g in Air (dal	۷)	ВН	A ROP (m/hr)			PERSONN	EL LOG	Reg Work	Tot Work
String Co	mponents			41.6	69							55.5	Туре	Count	t Hrs (hr)	Hrs (hr)
NOV S	516, X	O Sub -			/4" DC, X	O Sul	b - Non I	Mag, NMD	C, XO Sub	- Non Mag	, HDS1 MV	VD, Pony		17	204.00	204.00
		ub, G2											SAFETY C		TODAY Da	ato.
Wellbore		neters Start Dep		End Dep	th (mKB) C	um Der	pth (m)	Drilling Time (h	nr) Cum Drill	Time (Int I	ROP (m/hr)	Q Flow (m³/min)	Тур	;	Da	ile
Origina	al Hole		138.80		408.00		337.32	8	.00	11.25	33.7	1.363	MUD PUM			
WOB (da	ıN)	RPM (rpm	1) 34	SPP (bar	rs) Di	rill Str V	Vt (daN)	PU Str Wt (dal	N) SO Str W	t (daN) Dril	ing Torque 4,300.0	Off Btm Tq	#1, Shan		ngneng Po	wer Co ,
SURV	EY DAT	Α											Pwr (kW) 372	Rod Dia		ke (mm)
		Date			N	ID (mK	(B)	Incl (°	')	Azm (°)		TVD (mKB)	Liner Size (mm		Vol/Stk OR (n	187.3 n³/stk)
													P (bars)	low Spd	Strokes (s	Eff (0/.)
		g Interv											r (bais)	iow opa	Suokes (S	LII (70)
Тор	(mKB)	Btn	n (mKB)		OD (mm)					Com			# 2 , Dezh			
													Pwr (kW) 372	.8 Rod Dia	50.8 Stro	ke (mm) 152.4
									.	4/0					Date ()	14104122
									Page	1/2				Keport	Printed: 2	24/01/201



Report Start Date: 14/12/2012

Report #: 7.0 Days From Spud: 2.00 ALL DEPTHS REFERENCE MD KB Vol/Stk OR (m³/stk) Liner Size (mm) P (bars) Slow Spd Strokes (s... Eff (%) Report Printed: 24/01/2013 Page 2/2



Report Start Date: 15/12/2012 Report #: 8.0

Report Printed: 24/01/2013

		e: PD					ALL DEI	PTHS R	EFERI	ENC	E MD K	В		Days F	rom S	oud:	3.0
PI/UWI		,	Field N			tate/Province		Country			WBS Code		CASING S	TRINGS			
3PD12	2001		Peak	Downs	C	Queenslan	d	Australia			C.A5.BPD .12101	AD.12.001	Csg E		OD (mm)	Set [Depth KB)
Vell Typ			Well C	onfiguration T	ype S	pud Date		Rig Release			Start Date		Surface		244.5		39.1
SIS La		. =:0::0				13/12/20	12 00:00	10/01/	2013 09:	:00	8/12/20	12 16:00					64.7
	-	ATIONS n (no plan		Original KB I	Elevation (m)		Ground Eleva	tion (m)		KB-Gro	ound Distance (m)					
arget D	epth (mKB)	12.17	Total Depth	(mKR)	227.67	End Depth (m	KB)	223.77	Denth	Progress (m)	3.90	}				
Ü		,	562.00	·	(111112)	1,546.63	. `		544.00		•	136.00	-				
	rilling N			Weather clear			Latitude (°)	22° 13' 6		Longitu		5' 55.608" E					
	ns Summa sidetrac		6m to	455m, dril	l ahead to	544m											
peratio	ns Next Re	port Perio	d	· · · ·													
peration	ns at 6:00			9									CUM TIME	LOG by	OPERAT	ONS	
Orilling Remarks		@ 615n	n										Co	ode 1	Dur (ım Dı (hr)
5.92	deg dog	leg, side	etrack,	drill ahead	d								DRILL		19.		1.0
HOUR	LY OPE	RATIO	NS SU	MMARY 0	0:00 TO		THE REPO	RTING DA	AY				SAFETY				15.5 2.5
Start Time	End Time	Dur (hr)	Proble m?	Phase	Dept (mKE	n			C	om			WORKTIM				30.0
00:00	02:30	2.50	Yes	Radius	405.0			iud pump #			to bottom.		MOVE		0.	00 5	57.0
02:30	06:00	3.50		Bend Radius	408.0	0 64 DRL	Drill abox	ad from 40	5 to 151	64m			DAILY CO	NTACTS			
12.50	00.00	3.30		Bend	434.	J4 DIXE	Dilli allea		.00 m	.04111.			Job Co		Drilling	Title	
06:00	06:30	0.50		Radius Bend	454.	64 SFT	Pre-tour	safety mee	eting				, tarian rtyg	uuru	Superv	isor	
06:30	08:45	2.25		Radius	483.4	16 DRL	Drill ahea	ad to 483.4	6 478.48r	n.			Robert Cra	ig	Drilling Superv	isor	
				Bend									Jeff Wilkins	on	Drilling		
)8:45	09:30	0.75		Radius Bend	483.4	16 TRI	Trip to 43	36m.							Superir		
9:30	16:30	7.00		Radius	455.0	00 DRL	sidetrack	from 436r	n to 455	m, 3-	6m/hr @ 35	0 GPM	Mohamma Rahman	ť	Well Er	nginee	•
16:30	18:00	1.50		Bend	472	00 DRL	drill abou	d from 45	Em to 17	2m			SAFETY C	HECK S	UMMARY		
10.30	18.00	1.50		Radius Bend	4/3.	DOLDKL	drill anea	ia irom 45:	om to 47	SIII			Туре		Last Date		Occui
8:00	18:30	0.50		Radius	473.0	00 SFT	Pre-tour	safety mee	eting				BOP Drill Toolbox			+	
18:30	00:00	5.50		Bend Radius	540.0	00 DRL	Drill ahea	ad to 540m	1				Weekly saf				
				Bend									Meeting bo crews	th			
HOUR	LY OPE	RATIO	NS SU	MMARY (0:00 TO	6:00 OF T	HE NEXT I	REPORTIN	NG DAY				Weekly saf	ety		+	
Start	End		Proble		End Dept	า							meeting bo	th			
Time 00:00	Time 15:15	Dur (hr) 15.25	m?	Phase Radius	694.			ad from 54		om 14.87	ΓD			DCEDV	TIONS		
				Bend									SAFETY O	Compa	iny		#
MUD F	ROPE	RTIES											Safety Stats HAZOBS	Type 2	Nitro	mpany	Rp
	Туре			Time		Depth	(mKB)	Den	s (sg(h2o))		Vis (d	ays/m³)	10.4	<u> </u>	Drilli		
NPT			1										JSA	1	Nitro Drilli		
ctivity	lown - N	/lud Pun	nn				Start Date 14/12	2/2012 17:0		End Da	nte 15/12/2012	02:30	SLAM	2	Nitro		T
Commen	t								1			02.00	SOP	2	Drilli Nitro		╀
	ump fail	ure											001		Drilli		
MUD L	JOED								1			Daily Field	PERSONN	EL LOG	SUMMAR	RY	
		Des			Units	Ver	ndor	Rec	Consu	ımed	On Loc	Est (Cost)	Туре	Count	Reg Work		Work (hr)
Job Sı	upplies													17	204.00) 20)4.0
		upply Item	Des		Unit Lab	el	Vendor		Received		Consumed	Cum On Loc	SAFETY C				
. =													Тур	3		Date	
	STRING 2, Build		BIT IN	FORMATI	ON								MUD PUM	P			
Bit Run	Size (mr	m)	Mak			del	IADC (Codes			al Number	Length (m)	#1, Shan	dong Qi			
lozzles ((mm)	215	5.9 NO	V		516 d Area (nozz	es) (mm²)	IA	DC Bit Dull	E14	14207	0.22	Pwr (kW) 372	Rod Dia	50.8 S	roke (mr	n) 187.
Strina Le	ngth (m)				Weight of S	ring in Air (da	N)		HA ROP (m	/hr)			Liner Size (mm)	Vol/Stk OR 0.007	(m³/stk)	
				41.69			,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		55.5		Slow Spd	Strokes (s.	Eff (%)
NON S		O Sub -			DC, XO	Sub - Non	Mag, NMD	C, XO Sub	- Non M	1ag, F	HDS1 MWD	, Pony	#2, Dezh	iou L&A	Petroleu	m Mad	hin
Collar,	Float S	ub, G2 I	Dynadı	rill HR									Pwr (kW) 372	Rod Dia		roke (mr	
													- 3/2	· <u>~</u>	50.0		



ALL DEPTHS REFERENCE MD KB

Report Start Date: 15/12/2012 Report #: 8.0

Report #: 8.0 Days From Spud: 3.00

_				
	Liner Size (m	m)	Vol/Stk OR (r	n³/stk)
7	114.3		0.005	
5	P (bars)	Slow Spd	Strokes (s	Eff (%)
	1	1	l	l

Velibore Start Depth (mKB) End Depth (mKB) Cum Depth (m) Drilling Time (hr) Cum Drill Time (Int ROP (m/hr) Q Flow (m³/min)													
Start Depth (mKB)	End Depth (i	mKB) Cu	m Depth (m)	Drilling Time (hr)	Cum	Drill Time (Int ROP (m/hr	r)	Q Flow (m³/min)	11			
408.00	54	4.00	473.32			11.25			1.325	١Į			
RPM (rpm)	SPP (bars)	Dri	ill Str Wt (daN)	PU Str Wt (daN)	SO S	tr Wt (daN)	Drilling Torque		Off Btm Tq	7 L			
40		79.3					3,15	50.0		_∐			
SURVEY DATA													
Date		M	D (mKB)	Incl (°)		Azm	ı (°)		TVD (mKB)	П			
										11			
Intervals													
Btm (mKB)	00	(mm)				Com				П			
]			
	Start Depth (mKB) 408.00 RPM (rpm) 40 A Date	Start Depth (mKB)	Start Depth (mKB)	Cum Depth (m/S)	Start Depth (mKB) End Depth (mKB) Cum Depth (m) A08.00 544.00 473.32 A Date MD (mKB) Incl (°) Incl (e) Incl	Start Depth (mKB)	Start Depth (mKB) End Depth (mKB) Cum Depth (m) Drilling Time (hr) Cum Drill Time (11.25 RPM (rpm) 40 SPP (bars) 79.3 Drill Str Wt (daN) PU Str Wt (daN) SO Str Wt (daN) A Date MD (mKB) Incl (*) Azm	Start Depth (mKB)	Start Depth (mKB) End Depth (mKB) 544.00 544.00 473.32 Drilling Time (hr) Cum Drill Time (Int ROP (m/hr) 11.25 11.25	Start Depth (mKB)			



ALL DEPTHS REFERENCE MD KB

Report Start Date: 16/12/2012 Report #: 9.0 Days From Spud: 4.00

A SIS Lateral 13/12/2012 00:00 10/01/2013 09:00 8/12/2012 16:00 DAILY OPERATIONS Most Likely Duration (no plan chan Original KB Elevation (m) 12.17 227.67 223.77 3.90 Target Depth (mKB) 1,562.00 1,562.00 1,546.63 694.89 150.89 Rig (Names) Weather Clear 22° 13' 6.832" S 148° 15' 55.608" E Operations New Report Period Finish POOH, lay out DD tools, rig to and run casing, cement Operations at 6:00 POOH to layout DD tools and run casing Remarks HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY Start End Time Dur (hr) Proble Phase Phase Report New Move Move Move Move Move Move Move Move	OD (mm) Set Depti (mkB) 244.5 69.1 64.7 OPERATIONS Dur (hr) (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 45.5 S Title Drilling Supervisor	73 Dur) 25 75 00 50 00 00 00 00 00 00 00 00 00 00 00
Well Type SIS Lateral Well Configuration Type Spud Date 13/12/2012 00:00 Rig Release Date 13/12/2013 09:00 Start Date 8/12/2012 16:00 DAILY OPERATIONS Most Likely Duration (no plan chan Original KB Elevation (m) 12.17 227.67 223.77 3.90 Target Depth (mKB) 1,562.00 Nitro Drilling NitroD1 Clear Latitude (*) 22° 13' 6.832" S Longitude (*) 148° 15' 55.608" E Operations Summary Drilled to section TD. Wiper trip, tight pulling out, reamed slides to bottom Operations Next Report Period Finish POOH, lay out DD tools, rig to and run casing, cement Operations at 6:00 POOH to layout DD tools and run casing Remarks HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY Mell Type Right Activity Com Rig Release Date 10/0/12/2013 09:00 Start Date 8/12/2012 16:00 Start Date 10/0/12/2013 09:00 Start Date 10/0/12/2012 16:00 Start Date 10/0/12/2012 16	7 OPERATIONS Dur (hr) Cum D (hr) (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 45.5 Title Drilling Supervisor	73 Our) 25 75 00 50
Most Likely Duration (no plan chan Original KB Elevation (m) 12.17 227.67 223.77 3.90 Target Depth (mKB)	Dur (hr) Cum D (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 45.5 Title Drilling Supervisor	Dur) 25 75 00 50
Most Likely Duration (no plan chan Original KB Elevation (m) 12.17 227.67 223.77 3.90 Target Depth (mKB)	Dur (hr) Cum D (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 2.5 0.00 45.5 S Title Drilling Supervisor	25 75 00 50
Target Depth (mKB) 1,562.00 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.63 1,546.	Dur (hr) Cum D (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 2.5 0.00 45.5 S Title Drilling Supervisor	25 75 00 50
Nitro Drilling NitroD1	Dur (hr) Cum D (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 2.5 0.00 45.5 S Title Drilling Supervisor	25 75 00 50
Drilled to section TD. Wiiper trip, tight pulling out, reamed slides to bottom Operations Next Report Period Finish POOH, lay out DD tools, rig to and run casing, cement Operations at 6:00 POOH to layout DD tools and run casing Remarks Code 1 DRILL WORKTIME MOVE Start End Time Dur (hr) Proble Depth (mKB) Activity Com	Dur (hr) Cum D (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 2.5 0.00 45.5 S Title Drilling Supervisor	75 00 50
Finish POOH, lay out DD tools, rig to and run casing, cement Operations at 6:00 POOH to layout DD tools and run casing Remarks Code 1 DRILL HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY Start End Time Dur (hr) Proble (mrKB) Activity Com OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY Start End Dur (hr) Proble (mrKB) Activity Com	Dur (hr) Cum D (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 2.5 0.00 45.5 S Title Drilling Supervisor	25 75 00 50
Compositions at 6:00 POOH to layout DD tools and run casing Remarks Code 1 DRILL HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY Start End Time Dur (hr) Proble Depth (mKB) Activity Com CUM TIMELOG by Code 1 DRILL WORKTIME MOVE SAFETY	Dur (hr) Cum D (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 2.5 0.00 45.5 S Title Drilling Supervisor	75 00 50
Code 1	Dur (hr) (hr) 15.25 56.2 8.75 38.7 0.00 57.0 0.00 45.5	75 00 50
HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY Start End Time Dur (hr) Proble m? Phase Depth (mKB) Activity Com WORKTIME MOVE SAFETY	8.75 38.7 0.00 57.0 0.00 2.5 0.00 45.5 S Title Drilling Supervisor	75 00 50
Start Time Time Dur (hr) Proble m? Phase Depth (mKB) Activity Com	0.00 2.5 0.00 45.5 S Title Drilling Supervisor	50
Time Time Dur (hr) m? Phase (mKB) Activity Com	0.00 45.5 Title Drilling Supervisor	
UU:UU 15:15 15:25 -	Drilling Supervisor	50
Bend	Drilling Supervisor	
15:15 16:30 1.25 Radius 694.87 CIR circulate hole clean DAILY CONTACTS Job Contact	Drilling Supervisor	
Bend Adrian Nygaard	·	
Bend Robert Craig	Drilling	
HOURLY OPERATIONS SUMMARY 00:00 TO 6:00 OF THE NEXT REPORTING DAY	Supervisor Drilling	_
Start End Time Dur (hr) m? Phase (mKB) Activity Com	Superintdnt	
00:00 06:00 6.00 Radius 694.87 TRI RIH wiper trip @ 638m Rahman	Well Engineer	
MUD PROPERTIES SAFETY CHECK S	SUMMARY	
Type Time Depth (mKB) Dens (sg(h2o)) Vis (days/m³) Type BOP Drill BOP Drill<	Last Date # Occu	ur
Toolbox		-
MUD USED Daily Field Dail		
Des Units Vendor Rec Consumed On Loc Est (Cost) Meeting both crews		
Weekly safety meeting both		
Supply Item Des Unit Label Vendor Received Consumed Cum On Loc crews.		
DRILL STRING AND BIT INFORMATION		
BHA #2, Build Compa		# Rpts
Bit Run Size (mm) Make Model IADC Codes Serial Number Length (m) HAZOBS 3 2 2 2 2 2 2 2 2 2	Nitro Drilling	
Nozzles (mm) Bit Total Fluid Area (nozzles) (mm²) IADC Bit Dull JSA 3	Nitro	
String Length (m) Weight of String in Air (daN) 41.69 Weight of String in Air (daN) 55.5 SLAM 2	Drilling Nitro	
String Components NOV S516, XO Sub - Non Mag, 6-1/4" DC, XO Sub - Non Mag, NMDC, XO Sub - Non Mag, HDS1 MWD, Pony SOP 2	Drilling Nitro	
Collar, Float Sub, G2 Dynadrill HR Drilling Parameters	Drilling	
Wellbore Start Depth (mKB) End Depth (mKB) Cum Depth (m) Drilling Time (hr) Cum Drill Time (Int ROP (m/hr) Q Flow (m³/min)	Reg Work Tot Work	rk
Sidetrack 2 544.00 694.89 624.21 11.25 1.325 Type Count WOB (daN) RPM (rpm) SPP (bars) Drill Str Wt (daN) PU Str Wt (daN) SO Str Wt (daN) Drilling Torque Off Btm Tq 17 17 3,150.0 3,150.0 17 17	nt Hrs (hr) Hrs (hr)	
SURVEY DATA SAFETY CHECKS	TODAY	
Date MD (mKB) Incl (°) Azm (°) TVD (mKB) Type	Date	
MUD PUMP		
Onderreaming intervals	ingneng Power Co	,
Pwr (kW) Rod Dia 372.8	ia (mm) Stroke (mm) 50.8 187	7.3
Liner Size (mm)	Vol/Stk OR (m³/stk) 0.007	
127.0 P (bars) Slow Spd	Strokes (s Eff (%)	\dashv
# 2 , Dezhou L&A	 A Petroleum Machir	n
Pwr (kW) Rod Dia	ia (mm) Stroke (mm) 50.8 152	2.4
Page 1/2 Report	t Printed: 24/01/20	

Page 1/2



ALL DEPTHS REFERENCE MD KB

Report Start Date: 16/12/2012 Report #: 9.0 Days From Spud: 4.00

	Liner Size (m	nm)	Vol/Stk OR (0.005	m³/stk)
	114.3		0.005	TE# (0/)
	r (pars)	Slow Spd	Strokes (s	. ⊏π (%)
				1
Page 2/2		Report	Printed:	24/01/2013



ALL DEPTHS REFERENCE MD KB

Report Start Date: 17/12/2012 Report #: 10.0 om Spud: 5.00

Days F	rom Sp	ua: 5.00
CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)

Report Printed: 24/01/2013

64.73

Well Name: PD120A																		
	BPD12001 Peak Downs Well Type Well Configuration Typ				Q	ate/Province ueenslan		Country Australia		.1210	.BPD.AD.12.()1	001	CASING ST		OD (mm)	Set Depth (mKB)		
Well Type SIS La			Well C	onfiguration Ty	pe Sr	ud Date 13/12/20	12 00:00	Rig Release Da 10/01/20		Start D: 8/	ate 12/2012 16:00	0	Surface Intermediate		244.5 177.8	69.10 648.67		
DAILY	OPERA	ATIONS			•			•		•			1		1	0.0.0.		
	ely Duration			Original KB E	levation (m)		Ground Elevat			3-Ground Dis	stance (m)							
			12.17			227.67			23.77			3.90						
Target De	epth (mKB)		562.00	Total Depth (r	nKB)	1,546.63	End Depth (m		94.89	epth Progress		0.00						
Rig (Nam				Weather		.,	Latitude (°)		Lo	ongitude (°)								
	rilling N			clear				22° 13' 6.8	32" S	14	48° 15' 55.608	8" E						
Run ba	Rig to a	ottom fo	58 join	ts of 7" 23p	pf K55 ca	sing. Se		sing run. Pul 72m. Due to			n directional ng run wrong,							
				ed to 648.7	2 m 648.6	7 m												
	ns Next Re			mp plua 2bl	ol early. \	Vait on c	ement. Lift	and remove	BOP. n	ipple up B	section.		CUM TIME	00 1	ODEDATIO	NO		
Pressu			,	1113	,				- ,				CUM TIMEL	LOG by C	UPERATIO	Cum Dur		
	ns at 6:00	-t												de 1	Dur (hr)) (hr)		
Remarks	n cemer	nt											WORKTIME	<u> </u>	23.00			
Sumps													SAFETY		1.00			
								e if there was			ancy. It has		DRILL		0.00			
							<u> </u>	648.67m ins		0/2.UM.			MOVE		0.00			
HOUR	LY OPE	RATIO	NS SU	MMARY 0		4:00 OF	THE REPO	RTING DAY					STANDBY 0.00 45.5					
Start	End		Proble		End Depth								DAILY CON	ITACTS				
Time	Time	Dur (hr)	m?	Phase	(mKB	Activity		11: 0 00	Com	1			Job Coi			tle		
00:00	06:00	6.00		Radius Bend	694.8			r trip @ 638n	n 				Adrian Nyga		Drilling Superviso	or		
06:00	07:00	1.00		Radius Bend	694.8	7 TRI	Continue	wiper trip					Robert Crai	9	Drilling Superviso	or		
07:00	08:15	1.25		Radius Bend	694.8	7 CIR	Circulate	and conditio	n hole f	or casing			Jeff Wilkins	on	Drilling Superinto	Int		
08:15	12:30	4.25		Radius Bend	694.8	7 TRI	Pull out o	f the hole				Mohammad Rahman		Well Engi	ineer			
12:30	13:30	1.00		Radius Bend	694.8	7 SFT	Create JS Pathfinde	SA for laying er	down d	irectional		SAFETY CI	IECK SI					
13:30	16:00	2.50		Radius Bend	694.8	7 BBH	Break ou	t and lay dow	vn direc	tional tool	S		BOP Drill		Last Date	# Occur		
16:00	23:30	7.50		Radius Bend	694.8	7 SEC	depth of		depth h		casing. Set hanged due		Toolbox Weekly safe Meeting bot					
23:30	00:00	0.50		Radius Bend	694.8	7 OTH	Rig to ce	ment with Ha	alliburtor	1			Weekly safe					
HOUR	LY OPE	RATIO	NS SU	IMMARY 0	D:00 TO 6	:00 OF T	HE NEXT	REPORTING	DAY				meeting both crews.					
Start	End		Proble		End Depth								SAFETY OI	3SERVA	TIONS			
Time	Time	Dur (hr)	m?	Phase	(mKB	Activity			Con				0.64.04.4	Compar		_#		
00:00	03:00	3.00		Radius Bend	694.8		Rig to ce	ment with Ha	alliburtor	1			Safety Stats HAZOBS	Туре	Nitro Drilling			
03:00	05:30	2.50		Radius Bend		7 CMT		" casing w/ha	alliburto	n			JSA		Nitro Drilling			
05:30	06:00	0.50		Radius Bend	694.8	7 CMW	WOC						SLAM		Nitro			
MUD F	ROPER	RTIES											SOP		Drilling Nitro			
	Туре			Time		Depth	(mKB)	Dens (s	g(h2o))		Vis (days/m³)		301		Drilling	,		
													DEDOC					
MUD L	ISED												PERSONNE	L LOG	SUMMARY Reg Work	Tot Work		
		Des		L	Inits	Ver	ıdor	Rec	Consum	ed On	Daily Fi Loc Est (Co		Туре	Count 17	Hrs (hr) 204.00	Hrs (hr) 204.00		
													SAFETY CHECKS TODAY					
Job Supplies													Type Date					
	Su	upply Item	Des		Unit Labe		Vendor	R	eceived	Loc	. , , , ,							
													MUD PUMP	,	•			
													#1, Shand		nanena Po	wer Co		
													Pwr (kW)	Rod Dia	(mm) Strol	ke (mm)		
													372.	.8	50.8	187.3		
													Liner Size (mm) 127.0		Vol/Stk OR (m 0.007	r³/stk)		
														low Spd	Strokes (s	Eff (%)		



ALL DEPTHS REFERENCE MD KB

Report Start Date: 17/12/2012

Report #: 10.0 Days From Spud: 5.00

Report Printed: 24/01/2013

	RILL STRING AND BIT INFORMATION HA # <stringno>, <des></des></stringno>													MUD PUMP						
														#2, De	ezhou L&A	Petroleu	m Machin			
Bit Run	Size (mi	m)	Make	9		Model		IADC Code	es		Serial Number	er	Length (m)	Pwr (kW)	Rod Dia	(mm) Si 50.8	roke (mm)			
Nozzles (mm)			П	Bit Tota	l Fluid Area (nozz	les) (mm	l ²)		IADC Bit Dull				Liner Size (372.8 mm)	Vol/Stk OR	152.4 (m³/stk)			
														114.3		0.005				
String Lei	ngth (m)				Weight	of String in Air (da	iN)			BHA ROP (m.	/hr)			P (bars)	Slow Spd	Strokes (s.	Eff (%)			
String Co	mponents							-												
	g Paran	neters																		
Wellbore		Start Depth (n	nKB)	End Depth (r	nKB) (Cum Depth (m)	Drilling	Time (hr)	Cum	Drill Time (Int ROP (m/hr)	QF	low (m³/min)							
WOB (da	N)	RPM (rpm)		SPP (bars)		Orill Str Wt (daN)	PU Str	Wt (daN)	so s	tr Wt (daN)	Drilling Torque	Off	Btm Tq							
									\bot											
SURVE	Y DAT	Ά																		
		Date				MD (mKB)		Incl (°)		Azm	(°)	TVI	D (mKB)							
		Intervals																		
Тор	(mKB)	Btm (m	nKB)	OD	(mm)					Com										

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Report Start Date: 18/12/2012 .0 0

0333						Da	ily Drilli	ng Rep		Keport	Start D						
arr	OWe	energy	y						PTHS RE	TD.	Report #: 11. Days From Spud: 6.0						
		e: PD						ALL DE	7 1113 KI	SPEREN	CE MID N	ъ		Days Fr	om Spt	ia: 6.0	J
API/UWI BPD12			Field N	Name CDowr	ne		e/Province eensland	ı	Country Australia		WBS Code C.A5.BPD.A	ND 12 001	CASING ST	RINGS			
בו טוב	2001		Car	OOWI	10	Qui	considire	•	Australia		.12101	ND. 12.001	Csg D	es	OD (mm)	Set Depth (mKB)	
Well Typ			Well C	onfigura	tion Type		Date	12.00.00	Rig Release Da	ate 13 09:00	Start Date	0.46.00	Surface		244.5	69.1	
SIS La							3/12/20	12 00:00	10/01/20	13 09.00	8/12/201	2 16.00	Intermediate	e	177.8	648.6	i
		ATIONS		Origina	I KR Fleva	tion (m)	1	Ground Elevat	tion (m)	KR-Gr	ound Distance (m)					
	I						227.67		2:	23.77	ound Distance (ii	3.90					
•	epth (mKB		562.00		epth (mKB	,	,546.63	End Depth (ml	,	94.89 Depth	Progress (m)	0.00					
	rilling N			Weathe clear				Latitude (°)	22° 13' 6.8		ude (°) 148° 15'	55.608" E					
Cemer section	n, Ptest,		цр	ıg disc	repancy	and adj	usted sh	oe depth, \	WOC, nipple	down BOF	P and nipple ເ	лр B					
drill ou	t cemen			irectio	nal BHA	, RIH, d	rill ahead	t									_
RIH to		ill out ce	ment										CUM TIMEL	OG by O	PERATIO	NS Cum Di	u
Remarks shoe d		anged to	o 648	.67m.	71.53 in	c. 117.1	0 azm. 5	577.29m T\	√D				WORKTIME	de 1	Dur (hr)	(hr)	
							<u> </u>		RTING DAY	,			STANDBY		24.00		
IOOK	LIOFE	INATIO	143 30		1 00.0	End	100 01		KING DAI				DRILL		0.00		
Start Time	End Time	Dur (hr)	Proble m?		nase	Depth (mKB)	Activity			Com			MOVE		0.00		
00:00	03:00	3.00		Radiu Bend	ıs	694.87	CMT	Rig to cer	ment with Ha				SAFETY		0.00		
03:00	05:30	2.50		Radiu		694.87	CMT	cement 7	" casing w/h	alliburton			DAILY CON	ITACTS			
				Bend									Job Cor			tle	
05:30	06:00	0.50		Radiu Bend		694.87	CMW	WOC					Adrian Nyga	aaru	Drilling Superviso	or	_
06:00	12:00	6.00		Radiu Bend		694.87	CMW	wait on c	ement				Jeff Wilkins	on	Drilling	Int	_
12:00	18:00	6.00		Radiu Bend		694.87	NUD	nipple, ra	landing joint, lise BOP and emove loadsa	1"	Mohammad Well Enginee Rahman				_		
											I dress, instal			IEOK OU	MARA DV		
								section		Ü			SAFETY CI	HECK SUI	Last Date	# Occu	ır
18:00	19:00	1.00		Radiu		694.87	FPT	pressure	test wellhea	d, 2000PSI	for 10mins		BOP Drill		Last Date	# 0000	
				Bend				ļ					Toolbox				-
19:00	00:00	5.00		Radiu Bend		694.87	NUD		apter flange, OP height	nipple up E	BOP, modify	flowline	Weekly safe Meeting bot				
HOUR	LY OPE	RATIO	NS SU	JMMAF	RY 00:0	0 TO 6:0	00 OF TI	HE NEXT F	REPORTING	DAY			crews				
Start Time	End Time	Dur (hr)	Proble m?	Ph	nase	End Depth (mKB)	Activity			Com			Weekly safe meeting bot				
00:00	02:45	2.75		Radiu Bend	ıs	694.87		Spot load	lsafe, rig up				crews.				
02:45	04:15	1.50		Radiu		694.87	FPT	Pressure	test BOP				SAFETY OI	Company	-	_#	
				Bend				<u> </u>					Safety Stats HAZOBS	Type 2	Nitro Nitro	any Rp)1
	05:00	0.75		In Sea		694.87		Make up	"drill out" BH	IA					Drilling		
05:00 06:00 1.00 In Seam 694.87 TRI MUD PROPERTIES						IRI	IKIH					JSA	3	Nitro Drilling			
MOD F	Type	11123		Tir	me		Depth	mKB)	Dens (s	sg(h2o))	Vis (da	ys/m³)	SLAM	3	Nitro		-
								,	,	,,		,			Drilling		_
MUD (JSED											Daily Field	SOP	4	Nitro Drilling		
Des Units Ver			dor	Rec	Consumed	On Loc	Est (Cost)	PERSONNE	EL LOG S	UMMARY	,						
lak C													Туре	Count	Reg Work Hrs (hr)	Tot Work Hrs (hr)	
JOD SI	upplies															. ,	4

Туре	Count	Hrs (hr)	Hrs (hr)					
	17	204.00	204.00					

SAFETY CHECKS	ODAY
Туре	Date

	MUD PUN	/IP							
# 1, Shandong Qingneng Power Co,									
	Pwr (kW)		Rod Dia	(mm)	Stroke (mm)				
	37	2.8		50.8	187.3				
	Liner Size (m	m)		Vol/Stk OR (m³/stk)					
	127.0			0.007					
	P (bars)	Slov	v Spd	Strokes	(S	Eff (9	6)		

DRILL STRING AND BIT INFORMATION

Supply Item Des

BHA #<stringno>, <des>
Bit Run | Size (mm) | N Model IADC Codes Serial Number Length (m)

Vendor

IADC Bit Dull Nozzles (mm) Bit Total Fluid Area (nozzles) (mm²) BHA ROP (m/hr) String Length (m) Weight of String in Air (daN)

Unit Label

String Components

Consumed

Cum On Loc



ALL DEPTHS REFERENCE MD KB

Report Start Date: 18/12/2012 Report #: 11.0 Days From Spud: 6.00

MUD PUMP											
2, Dezhou L&A Petroleum Machin											
Pwr (kW)	Rod Dia	(mm)	ke (mm)								
372.8		50.8		152.4							
iner Size (mm)		Vol/Stk OR (m³/stk)									
114.3		0.005									
) (l) Ol		Otrologo	/ -	E (C (0/)							

Drilling Paran	neters	In a Death Color	IO. ma Daniel ()	India - The dist	I Come Dell' T	Int DOD 1 1	-) IO FI (21) :	MUD PUMP	
Wellbore	otaπ Deptn (mKB)	End Depth (mKB)	Cum Depth (m)	Drilling Time (hr)	Cum Drill Time (INT KOP (m/hi	r) Q Flow (m³/min)	# 2 , Dezhou L&A Petroleum Mach	in
WOB (daN)	RPM (rpm)	SPP (bars)	Drill Str Wt (daN)	PU Str Wt (daN)	SO Str Wt (daN)	Drilling Torqu	e Off Btm Tq	Pwr (kW) Rod Dia (mm) Stroke (mm) 372.8 50.8 15	2.4
	, , ,					3 40		372.6 30.6 13 Liner Size (mm) Vol/Stk OR (m³/stk)	+
SURVEY DAT	Α.	•	•	•	•		•	Liner Size (mm) Vol/Stk OR (m³/stk) 114.3 0.005	
SORVET DAT	Date		MD (mKB)	Incl (°)	Azn	ı (°)	TVD (mKB)	P (bars) Slow Spd Strokes (s Eff (%)	\neg
	Dute		WB (IIIICB)	lilor()	7(21)	.()	TVB (IIII(B)	-	
	. 1.41.							1	
Underreaming	g Intervals	OD (*****	<u>, </u>		Com			41	
Top (mKB)	Btm (mKB)	OD (mm)		Com				
								-	
					Page 2/2			Report Printed: 24/01/2	013
					. ~9~ ~/~			110port 1 1111teu. 24/01/2	



ALL DEPTHS REFERENCE MD KB

Report Start Date: 19/12/2012

report otart	Dutc.	10,		-0 12	•
	Rep	ort	#:	12.0)
Days I	From S	Spu	d:	7.00)

CASING STRINGS Set Depth Csg Des OD (mm) Surface 244.5 Intermediate 177.8 648.67

Well Name: PD120A API/UWI State/Province Country WBS Code BPD12001 C.A5.BPD.AD.12.001 Peak Downs Queensland Australia 12101 Well Type Well Configuration Type SIS Lateral 13/12/2012 00:00 10/01/2013 09:00 8/12/2012 16:00

DAILY OPERATIONS Most Likely Duration (no plan chan... KB-Ground Distance (m) Original KB Elevation (m) Ground Elevation (m) 227.67 12.17 223.77 3.90 Total Depth (mKB) Target Depth (mKB) End Depth (mKB) Depth Progress (m) 1,562.00 1,546.63 0.00 694 89 Rig (Names) Nitro Drilling NitroD1 Weather Latitude (°) ongitude (22° 13' 6.832" S 148° 15' 55.608" E clear Ptest BOP, RIH to DOC, POOH to change to directional BHA Drill ahead in coal Drilling ahead in coal, rotated last 5 singles, gamma real low, currently @ 800m

Very little Plt room. Dumped and cleaned tanks, vac truck from Savannah rig sucked 5 loads from our pits, transfered to another pit off location, no more room there. Crews are improving with trip times.

HOUR	HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY											
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com					
00:00	02:45	2.75		Radius Bend	694.87	RUU	Spot loadsafe, rig up flowline					
02:45	04:15	1.50		Radius Bend	694.87	FPT	Pressure test BOP					
04:15	05:00	0.75		In Seam	694.87	MBH	Make up "drill out" BHA					
05:00	06:00	1.00		In Seam	694.87	TRI	RIH					
06:00	08:45	2.75		In Seam	694.87	TRI	Continue to RIH. Tag cement @ 634m.					
08:45	10:00	1.25		In Seam	694.87	DCM	DOC from 634m to 662.90m					
10:00	10:45	0.75		In Seam	694.87	CIR	After rilling out the shoe, the bit was in open hole, reamed down 2 singles to confirm this, then circulated. Did flow check.					
10:45	12:00	1.25		In Seam	694.87	TRI	POOH from 662m to 441m					
12:00	14:00	2.00		In Seam	694.87	TRI	Continue to POOH.					
14:00	17:30	3.50		In Seam	694.87	BBH	lay out directional BHA.Make up new directional BHA.					
17:30	21:00	3.50		In Seam	694.87	TRI	RIH to 661m					
21:00	21:30	0.50		In Seam	694.87	TRI	Install Washington rubber.					
21:30	23:00	1.50		In Seam	694.87	DDS	Trip/ re-survey from 661 to 694.9m (bottom) 694.87 m					
23:00	00:00	1.00		In Seam	716.67	DRL	Drill ahead to 716.67 m					
HOUR	LY OPE	RATIO	NS SU	IMMARY 00:0	0:0 TO 6	00 OF TH	IE NEXT REPORTING DAY					
Start												

HOUF	HOURLY OPERATIONS SUMMARY 00:00 TO 6:00 OF THE NEXT REPORTING DAY											
Start	End		Proble		End Depth							
Time	Time	Dur (hr)	m?	Phase	(mKB)	Activity	Com					
00:00	06:00	6.00		In Seam	832.00	DRL	drill ahead from 703.67m to 832m					
MUD	MUD PROPERTIES											

Depth (mKB)

Time

Supply Item Des

MUD USED						
Des	Units	Vendor	Rec	Consumed	On Loc	Daily Field Est (Cost)
Job Supplies						

Unit Label

DRILL	RILL STRING AND BIT INFORMATION											
BHA #3, Lateral												
Bit Run	Size (mm)	Make		Model	IADC Codes		Serial Number	Length (m)				
3	155.6	Varel		VM613R	M424		4001684	0.20				
Nozzles (r	mm)	•	Bit Total	Fluid Area (nozzles) (m	m²)	IADC Bit Dull						
12.0/12	2.0/12.0/12.0/12.0		565									
String Len	ngth (m)		Weight	of String in Air (daN)		BHA ROP (m/h	nr)					
		1,232.52			27,696			20.0				
String Cor	mponents											

Varel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP, Drill Pipe, HWDP, Drill Pipe

CUM TIMELOG by OPERATIONS									
Code 1	Dur (hr)	Cum Dur (hr)							
WORKTIME	20.25	106.00							
MOVE	2.75	59.75							
DRILL	1.00	57.25							
SAFETY	0.00	3.50							
STANDBY	0.00	45.50							

DAILY CONTACTS	
Job Contact	Title
Adrian Nygaard	Drilling Supervisor
Jeff Wilkinson	Drilling Superintdnt
Mohammad Rahman	Well Engineer
SVEETA CHECK SII	MMADV

┪	SAFETY CHECK S	UWWARY	
4	Туре	Last Date	# Occur
	BOP Drill		
_	Toolbox		
	Weekly safety Meeting both crews		
	Weekly safety meeting both crews.		

SAFETY O	BSERVATIO	NS	
Safety Stats	Company Type	Company	# Rpts

Salety Stats	туре	Comp	bany	Rpts
PERSONNE	L LOG	SUMMARY	1	
Туре	Count	Reg Work Hrs (hr)	Tot V Hrs	

17

SAFETY CHECKS TODAY Type

204.00

204.00

Vis (days/m³)

Consumed

Cum On Loc

MUD PU	ΙP												
#1, Sha	# 1,Shandong Qingneng Power Co,												
Pwr (kW)		Rod Dia	Rod Dia (mm) Stroke (mr										
37	2.8		50.8 187										
Liner Size (m	m)		Vol/Stk C	R (m	ı³/stk)								
127.0													
P (bars)	Slov	v Spd	Strokes	(s	Eff (%)								
#2, Dez	zho	u L&A	Petrole	um	Machin								
Pwr (kW)		Rod Dia	a (mm) Stroke (mm)										

Pwr (kW)		Rod Dia	(mm)	Stroke (mm)				
37	2.8		50.8	152.4				
Liner Size (m	m)		Vol/Stk C	R (n	n³/stk)			
114.3			0.005					
P (bars)	Slov	v Spd	Strokes ((s	Eff (%)			

Report Printed: 24/01/2013

Dens (sg(h2o))



ALL DEPTHS REFERENCE MD KB

Report Start Date: 19/12/2012

Report #: 12.0 Days From Spud: 7.00

Drilling Parar	neters									
Wellbore Original Hole	Start Depth (mKB) 120.00	End Depth (r	mKB) (0.00	20m Depth (m) 480.00	Drilling Time (hr) 7.00		Drill Time (7.00	Int ROP (m/hr)	8.6	Q Flow (m³/min) 350.000
WOB (daN)	RPM (rpm)	SPP (bars)		Orill Str Wt (daN)	PU Str Wt (daN)			Drilling Torque		Off Btm Tq
8 BHA #4, Late	120 ral	'								
Bit Run Size (m	m) Mak			Model	IADC Code	s		Serial Numb		Length (m)
Nozzles (mm)	155.6 Va		Bit Tota	VM613R Il Fluid Area (nozzl	M424 es) (mm²)		IADC Bit Dul	4001684		0.20
12.0/12.0/12.0	/12.0/12.0		565							
String Length (m)		1,232.52	Weight	of String in Air (da		,696	BHA ROP (m	n/hr)		20.0
String Components			-101	LIVA DDM			0. V	LIDOO NIME		
Varel VM613F Drill Pipe, HW	R, LXM, G2 Dy DP, Drill Pipe	nadrili, Fio	at Sur	D, UXM, DPM,	Xover, HDS1,	HDS	2 Xover,	HDS2, NML	JC,	HWDP,
Drilling Paran	neters									
Wellbore Original Hole	Start Depth (mKB) 120.00	End Depth (r	mKB) (Cum Depth (m) 480.00	Drilling Time (hr) 7.00		Drill Time (7.00	Int ROP (m/hr)	8.6	Q Flow (m³/min) 350.000
WOB (daN)	RPM (rpm)	SPP (bars)			PU Str Wt (daN)			Drilling Torque		Off Btm Tq
8	120	<u>'</u>								
SURVEY DAT				MD (ICD)	In al (0)			- (0)		T-(D-((CD)
	Date			MD (mKB)	Incl (°)		Azm	1()		TVD (mKB)
Underreaming	n Intervale									
Top (mKB)	Btm (mKB)	OD) (mm)				Com			
						Pac	e 2/2			



API/UWI

Daily Drilling Report

Country

State/Province

ALL DEPTHS REFERENCE MD KB

WBS Code

Report Start Date: 20/12/2012 Report #: 13.0 Days From Spud: 8.00

CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)
Surface	244.5	69.10

648.67

API/UWI			Field N			te/Province		Country			WBS Code	D 4D 40 004	CASING S	TRINGS		
BPD12	2001		Peak	Downs	الار	ıeenslan	a	Austral	ıa		1.12101	D.AD.12.00 ²	Csg E	200	OD (mm)	Set Depth (mKB)
Well Typ	e		Well C	onfiguration Type	Spu	ud Date		Rig Relea	se Date		Start Date		Surface	765	244.5	(IIIKB) (69.10)
SIS La							12 00:00		1/2013 09	:00		012 16:00	Intermedia	te	177.8	648.67
DAILY	OPER	ATIONS											71		1	
		n (no plar	chan		ation (m)		Ground Elevati	ion (m)		KB-Gro	ound Distance		∃ !			
T1 D			12.17		D)	227.67	End Double (sel	(D)	223.77	D 11- 1	D	3.9	의 [
larget D	epth (mKB		562.00	Total Depth (mK	,	1,546.63	End Depth (mh	(B)	694.89		Progress (m)	0.0	o			
Rig (Nan				Weather		,	Latitude (°)			Longitu			╡			
	Orilling None Summa			clear				22° 13	' 6.832" S		148°	15' 55.608"	틱			
			4, PO	OH for rig rep	air, RIH	and con	tinue to drill	ahead								
		eport Perio	d										71			
	ahead												41			
		@ 1145	im Inc	91.19, AZM	119.02,	TVD 598	3.61m						CUM TIME	I OG by	OPERATION	NS
Remarks	3												OOM THE	LOO By		Cum Dur
													DRILL	ode 1	Dur (hr) 20.00	(hr) 77.25
HOUR	LY OPE	RATIO	NS SU	MMARY 00:		4:00 OF	THE REPO	RTING	DAY				STANDBY		4.00	
Start	End		Proble		End Depth								MOVE		0.00	
Time	Time	0.00 Dur (hr)	m?	Phase In Seam	(mKB)	Activity DRL	drill ahea	d from 7		Com			SAFETY			
00:00	06:00 12:00	6.00		In Seam	917.67		Drill ahea			03211			WORKTIM	F	0.00	
12:00	16:00	4.00	Yes	In Seam	917.67					motor	on rig, te	st then		_	0.00	100.00
12.00	10.00	7.00	100	iii ocaiii	1071.00		RIH to res	•	•	1110101	on ng, te	ot, 111011	DAULYCOO	NTACTO		
16:00	00:00	8.00		In Seam	694.87		drill ahead			1071	m 917.67	⁷ m	Job Co		Titl	le
HOLIB	I V ODE	DATIO	NC CII	IMMARY 00:	00 TO 6	.00 OF T	UE NEVT E	EDODI	TINC DAY	,			Adrian Nyg		Drilling	
HOUR	LIOPE	I	NS 50	ININIART UU.	End	.00 OF 1	TE NEXI P	EPORI	ING DAT				-11		Superviso	r
Start Time	End Time	Dur (hr)	Proble m?	Phase	Depth (mKB)	Activity			_	Com						
00:00	06:00	6.00	1117	In Seam	1,160	-	Drill ahea	d in sea			to 1160m		Jeff Wilkins	son	Drilling	
					00)							1		Superintdi	
MUDE	PROPE	RTIFS					<u> </u>						Mohamma Rahman	d	Well Engir	neer
	Type	*****	1	Time		Depth	(mKB)	D	ens (sg(h2o)))	Vis	(days/m³)				
Potass	sium Ba	se	18:00)			905.00			1.031		(SAFETY C			I # 0
Potass	sium Ba	se	23:30)						1.031		(BOP Drill		Last Date	# Occur
NPT													Toolbox			
Activity							Start Date	100101		End Da		0.40.00	Weekly saf	fety		
Commer		lydrauli	CS				20/12	/2012 1:	2:00		20/12/201	2 16:00	Meeting bo	th É		
		or replac	ement										crews			
MUD (JSED												Weekly saf			
		_										Daily Field		ui		
		Des		Uni	is	Ver	ndor	Rec	Cons	umed	On Loc	Est (Cost)				
													SAFETY O	Compar		#
Job S	upplies		D		11-241-4-1		Mandan		Describes		0		Safety Stats	Туре		
	5	upply Item	Des		Unit Label		Vendor		Received	1 '	Consumed	Cum On Loc	┦ Ь			
	OTDIN	0 AND	DIT IN	FORMATION									PERSONN	EL LOG	SUMMARY	
	STRIN 3. Late		BII IN	FORMATION									Туре	Count	Reg Work Hrs (hr)	Tot Work Hrs (hr)
BHA #	Size (m	-	Mak	е	Mode	el	IADC C	odes		Seria	al Number	Length (m)		17	204.00	204.00
3			5.6 Va	rel	VM	613R	M424			400	1684	0.2		HECK6	TODAY	
Nozzles 12.0/1	` '	/12.0/12	2.0	Bit 56		Area (nozzl	es) (mm²)		IADC Bit Du	II			Typ		Date	e
	ength (m)			We		ng in Air (da			BHA ROP (r	n/hr)						
Otrin - C				1,232.52				27,696				20.	MUD PUM	Р		
	mponents		G2 Dv	nadrill, Float	Sub, UX	M, DPM	, Xover, HD	S1, HDS	S2 Xover.	HDS2	, NMDC. I	HWDP,			ngneng Pov	ver Co .
		DP, Dril		,									Pwr (kW)	Rod Dia	(mm) Stroke	e (mm)
Drillin	g Paran	neters											Liner Size (mm		50.8 Vol/Stk OR (m³	187.3
Wellbore				End Depth (mK	· 1		Drilling Time (h	· 1	Drill Time (Q Flow (m³/min)	127.0	7	0.007	ioln)
WOB (da	al Hole	RPM (rpm	120.00	SPP (bars)		480.00 Wt (daN)	PU Str Wt (dal	.00 N SOS	7.00 tr Wt (daN)	Drilling	68.6	350.00 Off Btm Tq	P (bars)	Slow Spd	Strokes (s E	Eff (%)
	8	V F	120						. ,		<u> </u>		# 2 , Dezh	1011 I P A	Petroleum	Machin
													Pwr (kW)	Rod Dia		e (mm)
													372	2.8	50.8	152.4
													Liner Size (mm	1)	Vol/Stk OR (m ³ 0.005	/stk)
														Slow Spd	Strokes (s E	Eff (%)
1													11			

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ALL DEPTHS REFERENCE MD KB

Report Start Date: 20/12/2012

Report #: 13.0 Days From Spud: 8.00

DRILL STRING		FORMATI	ON										
BHA #4, Later													
Bit Run Size (mr	n) Make 155.6 Var	e rel		Model VM613R		IADC Codes M424	s		Number 1684	Length (m) 0.20			
Nozzles (mm)	<u> </u>	CI	Bit Total I	luid Area (nozz			IADC I		1004	0.20			
12.0/12.0/12.0 String Length (m)			565 Weight o	String in Air (da	aN)			OP (m/hr)					
		1,232.52			-	27,	,696	. ,		20.0			
String Components Varel VM613R Drill Pipe, HWI	, LXM, G2 Dyr	nadrill, Flo	at Sub,	UXM, DPM	, Xove	r, HDS1,	HDS2 Xo	ver, HDS2,	NMDC,	HWDP,			
Drilling Param	neters												
Wellbore Original Hole	Start Depth (mKB) 120.00	End Depth (mKB) Cι 00.00	m Depth (m) 480.00	Drilling	Time (hr) 7.00	Cum Drill Tir	ne (Int ROP 7.00	^o (m/hr) 68.6	Q Flow (m³/min) 350.000			
	RPM (rpm)	SPP (bars)		II Str Wt (daN)			SO Str Wt (d			Off Btm Tq			
	120												
SURVEY DAT	Date		М	D (mKB)	1	Incl (°)		Azm (°)		TVD (mKB)			
Underreaming													
Top (mKB)	Btm (mKB)	OI) (mm)				Со	m					
	1			1									
		·					Page 2/2				R	eport Printed:	24/01/201



Report Start Date: 21/12/2012 0

		energ						ALL DEI	•	REFER	•		KB			Days F		Report		
Well		e: PD	120A Field N			IStato	/Province		Country	TCET ETC	DITT	WBS Code			CACINO O					_
3PD12			1	Downs			enslan	d	Austra	lia			PD.AD.12.0	001	CASING S		OD	(mm)	Set De	
Vell Type SIS La			Well C	onfiguration	т Туре		Date 3/12/20	12 00:00		ase Date	·00	Start Date 8/12/2012 16:00		n	Surface		2	244.5	69	.10
		ATIONS					0/ 12/20	12 00.00	10/0	7172010 00		0/12/	2012 10.0		Intermediat	.e	1	77.8	648	.67
		n (no plar	n chan		B Elevati			Ground Elevat	tion (m)	222 ==	KB-Gro	ound Distance			Ļ					
arget D	epth (mKB	3)	12.17	Total Dep	th (mKB)		227.67	End Depth (ml	KB)	223.77	Depth	Progress (m		3.90						
Rig (Nam	100)	1,	562.00	Weather		1,	546.63	Latitude (°)		694.89	Longitu	ıdo (°)	(0.00						
Nitro D	rilling N			clear				Lautude ()	22° 13	3' 6.832" S			15' 55.60	8" E	<u> </u>					
			.97m ir	dirty co	al/shal	e, decis	ion ma	de to pull ba	ack to 1	035m and	sidetr	ack due	to a fault o	r	-					
		eport Perio sidetrac																		
	ns at 6:00	on Bran	nch # 3	, current	denth	1067m									CUM TIME	LOG by	OPE	RATIO	NS	
Remarks				,											Co	de 1		Dur (hr)	Cum (h	
				s to 5" v											DRILL			15.50		
HOUR	LY OPE	RATIO	NS SU	MMARY	00:00	TO 24:	00 OF	THE REPO	RTING	DAY					WORKTIM	E		8.50	114	.50
Start Time	End Time	Dur (hr)	Proble m?	Phas	e	Depth (mKB)	Activity			c	Com				MOVE			0.00	59	.75
00:00	06:00	6.00		In Sean		1,160.	DRL		ad in sea	am from 10		to 1160m	1		SAFETY			0.00	_	.50
06:00	12:00	6.00		In Sean	\rightarrow	00 1,211.	DRL	Drill ahea	nd to 12:	11 70m					STANDBY			0.00	49	.50
00.00	12.00	0.00		III Seali	'	78	DKL	Dilli anea	au 10 12	11.70111					DAILY CO					
12:00	16:30	4.50	Yes	In Sean	ı	1,211.	TRI			ack orders	•	•	to shoe to		Job Co		Dri	Tit illing	le	
16:30	18:30	2.00	Yes	In Sean	_	78 1,211.	TRI	change h		nd liners or	n pum	p to 5"						perviso	r	
10.50	10.50	2.00	163	iii Seaii	'	78	IIXI		- 1 11111						Laff \A/:II.i.a		 			
18:30	22:00	3.50		In Sean	1	1,230. 79	DRL	Drill ahea	ad from	1211m to	1230.7	79m 1234	.70m		Jeff Wilkins	son	- 1	illing perintd	nt	
22:00	00:00	2.00		In Sean	1	1,029.	TRI	POOH to	1029m	to sidetra	ck wel	I			Mohammad Rahman	t	We	ell Engi	neer	
															SAFETY C	HECK S	UMM	ARY		
HOUR	LY OPE	RATIO	NS SU	MMARY	00:00	TO 6:0	0 OF T	HE NEXT F	REPOR	TING DAY					Туре			t Date	# Oc	cur
Start Time	End Time	Dur (hr)	Proble m?	Phas	e	Depth (mKB)	Activity			C	Com				BOP Drill Toolbox					
00:00	06:00	6.00		In Sean	ı	1,123.	DRL		d fom 1	115m to 1	123m				Weekly saf	ety				_
	BODE					00									Meeting bo crews	th				
NOD F	Type	KIIES	Т	Time			Depth	(mKB)		Dens (sg(h2o)))	Vis	s (days/m³)		Weekly saf	ety				_
otass	ium Ba	se	00:00)				1,235.00			1.078			1	meeting bo crews.	th				
NPT								0								D0ED)//	. TIO	NO.		_
ctivity Vaitin	g on - p	rogramr	ne / de	cisions				Start Date 21/12	2/2012 1	2:00	End Da	ate 21/12/20	12 18:30		SAFETY O	Compa		NS		#
commen		on rega	rdina s	ide track	:										Safety Stats	Туре	•	Compa	any	Rpt
MUD L															PERSONN	FLLOG	SIIM	MADV		
	.025	Dee			Lluite		\/		Door			0-1	Daily F				Reg	Work	Tot W	
		Des			Units		Ven	idoi	Red	Cons	umed	On Loc	Est (Co	ost)	Туре	Count	_	s (hr) 04.00	Hrs (h	
Job Sı	upplies			•		•									SAFETY C	HECKS	TOD	AY		
	S	upply Item	Des		Un	it Label		Vendor		Received	t	Consumed	Cum On	Loc	Тур	е		Dat	е	
	STRIN 3, Late		BIT IN	FORMA	TION										# 1, Shan		nana	na Pov	vor C	_
	Size (m	m)	Mak			Model	400	IADC (al Number	Length		Pwr (kW)	Rod Dia	a (mm)	Strok	e (mm)	
lozzles (mm)	158	5.6 Va	rel	Bit To	VM6 ⁻ tal Fluid A		M424 es) (mm²)	4	IADC Bit Du)1684	(0.20	372 Liner Size (mm			0.8 tk OR (m ^s		37.3
	2.0/12.0 ngth (m))/12.0/12	2.0		565	nt of String	in Air (da	NI)		BHA ROP (r	n/hr\				127.0		0.00	07		
				1,232.5		ii oi oiiiig	ııı Alı (ua		27,696)			20.0	P (bars)	Slow Spd	Strok	es (s	=π (%)	
	mponents /M613F		G2 Dv	nadrill. F	loat Si	ub, UXN	1, DPM	Xover, HD	S1, HD	S2 Xover	HDS2	, NMDC	HWDP.		#2, Dezh					
		DP, Dril	•	, •		,	,,		,	,		,	,		Pwr (kW) 372	.8 Rod Dia).8 Strok	e (mm) 15	52.4
Orillin Vellbore	g Paran		th (mKD)	End Depti	n (mKD)	Cum Dep	oth (m)	Drilling Time (h	hr) Icum	Drill Time (Int PO	P (m/hr)	Q Flow (m³/n	nin)	Liner Size (mm 114.3)	Vol/S 0.00	tk OR (m ^s	³/stk)	
Origina	al Hole		120.00		00.00		480.00	7	.00	7.00		68.6	350.			Slow Spd		es (s E	Eff (%)	_
VOB (da	N) 8	RPM (rpm	¹⁾ 120	SPP (bars	5)	Drill Str V	vt (daN)	PU Str Wt (dal	N) SOS	Str Wt (daN)	Drilling	Torque	Off Btm Tq							_

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ALL DEPTHS REFERENCE MD KB

Report Start Date: 21/12/2012

Report #: 14.0 Days From Spud: 9.00

DRILL STRIN	IG AND BIT IN		ION									
BHA #4, Late	ral											
BHA #4, Late	nm) Mak	ke .		Model	IADC Code	es		Serial Number	er Leng	gth (m)		
4 Nozzles (mm)	155.6 Va	rel	D# T-4-	VM613R	M424	lian	JC D# D	4001684		0.20		
12.0/12.0/12.0	0/12.0/12.0		Bit Tota	l Fluid Area (nozzl	es) (mm²)		OC Bit Dull					
String Length (m)			Weight	of String in Air (da	N)	BH	A ROP (m/	hr)				
		1,232.52	2		27	,696	*			20.0		
String Components	s R, LXM, G2 Dy	madrill Ele	nat Suk		Xover HDC1	HD63.	 Xover ⊔	IDS2 NIMD)C HW/DP			
Drill Pipe, HW	、これが、ひと Dy 'DP, Drill Pipe	nauliii, FlC	Jai Sul	, UNIVI, DEIVI	, 70761, 17031,	, ווטטבו	AUVEI, F	ıD∪Z, INIVID	, , , , , , , , , , , , , , , , , , ,			
Drilling Parar	Start Depth (mKB)			Cum Depth (m)	Drilling Time (hr)	Cum Drill	I Time (I	nt ROP (m/hr)				
Original Hole WOB (daN)	120.00	60	00.00	480.00	7.00		7.00	68	3.6 35	0.000		
WOB (daN)	RPM (rpm) 120	SPP (bars)	T	Orill Str Wt (daN)	PU Str Wt (daN)	SO Str W	t (daN)	Orilling Torque	Off Btm To	9		
		'I										
SURVEY DAT				MD (m/2)				(0)	T. (2)	,,		
	Date			MD (mKB)	Incl (°)		Azm	(*)	TVD (mKE	3)		
Underreamin	g Intervals											
Top (mKB)	Btm (mKB)	OI	D (mm)				Com					
						Page	2/2				Report Printed:	24/01/2



ALL DEPTHS REFERENCE MD KB

Report Start Date: 22/12/2012

	Report #	# : 15.0
Days Fron	n Spud:	10.00

64.73

CASING STRINGS											
Csg Des	OD (mm)	Set Depth (mKB)									
Surface	244.5	69.10									
Intermediate	177.8	648.67									

CUM TIMELOG by OPERATIONS

well name:	PD120A			
API/UWI	Field Name	State/Province	Country	WBS Code
BPD12001	Peak Downs	Queensland	Australia	C.A5.BPD.AD.12.001 .12101
Well Type SIS Lateral	Well Configuration Type	Spud Date 13/12/2012 00:00	Rig Release Date 10/01/2013 09:00	Start Date 8/12/2012 16:00

						-			.12101	
Well Type		Well Co	onfiguration Type Spud Date		d Date	Rig Release Date			Start Date	
SIS Lateral				13/12/20		12 00:00	10/01/2013 09	:00	8/12/201	2 16:00
DAILY OPERA	TIONS									
Most Likely Duration	n (no plan	chan	Original KB Elevat	tion (m)		Ground Elevati		KB-Gro	ound Distance (m	1)
		12.17			227.67		223.77			3.90
Target Depth (mKB)			Total Depth (mKB			End Depth (mk			Progress (m)	
	1,5	62.00		1	,546.63		600.00			0.00
Rig (Names)			Weather			Latitude (°)		Longitu	ide (°)	
Nitro Drilling Nit	troD1		overcast				22° 13' 6.832" S		148° 15'	55.608" E
Operations Summary Pulled back an sidetracked at 1030m, drilled ahead to 1165m in shale and shale/coal, observed 150psi pressure loss, checked surface equipment, pump#1 blown swab, put pump#2 on hole, drilled ahead until gradual pressure loss of 300psi observed, checked all surface equipment, seems OK, POOH to look for possible washed DP										
Operations Next Rep Find source of			RIH, drill ahe	ad						
	for poss	ible wa	ashed pipe. L	₋ast sur\	/ey @ 1	141.50m 82	2.22deg, 115.25Az	zm		
Remarks Rig has no critical spares for its pumps and poor maintenance. Held a crew change meeting with both crews to discuss this.										
HOURLY OPE	RATIO	NS SU	MMARY 00:00	0 TO 24	:00 OF 1	THE REPO	RTING DAY			
				End						

Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com			
00:00	06:00	6.00		In Seam	1,123. 00	DRL	drill ahead fom 1115m to 1123m			
06:00	21:00	15.00		In Seam	1,165. 00	DRL	Drill ahead to 1165m.			
21:00	22:00	1.00	Yes	In Seam	1,165. 00	OTH	pressure loss of 150psi observed, check surface equipment, blown swab pump#1, put pump#2 on hole, drill ahead			
22:00	00:00	2.00		In Seam	1,167. 83	DRL	drill ahead from 1165m to 1167.83m			
HOUR	LY OPE	RATIO	NS SU	IMMARY 00:0	0:0 TO	0 OF TH	IE NEXT REPORTING DAY			
Start End Proble End Depth										

Start Time 00:00 00:45			Yes	Phase In Seam	End Depth (mKB) 694.87		Com Inspect surface equipment to find pressure loss POOH to look for washed pipe / inspect DD tools
	5 07:00 6.25 Yes In Seam • PROPERTIES		694.87	TRI	POOH to look for washed pipe / inspect DD tools		

Туре	Time	Depth ((mKB)	Dens (sg(h2o))	Vis (days/m³)	
NPT							
Activity			Start Date		End Date		
Breakdown - Mud Pump)		22/12/	2012 21:00	22/12/	22/12/2012 22:00	
Comment					•		
blown swab							
Activity		(Start Date		End Date		
Breakdown - Other			23/12/	2012 00:00	23/12/	2012 08:30	
Comment					•		
pressure loss, washed p	oine or surface equipmo	ent					

MUD (JSED								
	Des		Units	\	/endor	Red	Consun	ned On Loc	Daily Field Est (Cost)
Job Sı	upplies								
	Supply Item Des	3	Unit L	abel	Vendor		Received	Consumed	Cum On Loc
DRILL	STRING AND BIT	[INFORMATI	ON						
BHA#	3, Lateral								
Bit Run	Size (mm)	Make		Model	IADO	Codes		Serial Number	Length (m)
3	155.6	Varel	ľ	VM613R	M4:	24		4001684	0.2
Nozzles ((mm)		Bit Total I	Fluid Area (no	zzles) (mm²)		IADC Bit Dull		
12.0/12	2.0/12.0/12.0/12.0		565						
String Le	ngth (m)		Weight of	f String in Air	(daN)		BHA ROP (m/h	ır)	
		1.232.52				27.696			20.

String Components
Varel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP,
Drill Pipe, HWDP, Drill Pipe

Code 1	Dur (hr) (hr)				
DRILL	23.00	(hr) 115.75			
WORKTIME		1.00	115.50		
MOVE		0.00	59.75		
SAFETY		0.00	3.50		
STANDBY		0.00	49.50		
DAILY CONTACTS					
Job Contact		Title			
Adrian Nygaard		Orilling Supervisor			
Jeff Wilkinson		Drilling Superintdnt			
Mohammad Rahman	W	ell Engin	ieer		
SAFETY CHECK SU	JMN	IARY			
Туре	La	st Date	# Occur		
BOP Drill					
Toolbox					
Weekly safety Meeting both crews					
Weekly safety meeting both crews.					

PERSONNEL LOG SUMMARY										
Reg Work Tot Work Type Count Hrs (hr) Hrs (hr)										
17 204.00 204.00										
SAFETY CHECKS TODAY										

Company

Date

SAFETY OBSERVATIONS

Safety Stats

Туре

Company Type

1	MUD PUN	1P							
	# 1, Shandong Qingneng Power Co								
1	Pwr (kW)		Rod Dia	(mm)	Stro	ke (mm)			
1	37:	2.8		187.3					
ار	Liner Size (mm)			Vol/Stk OR (m³/stk)					
1	127.0			0.007					
ı	P (bars)	Slov	v Spd	Strokes	(s	Eff (%)			
1									
)	# 2 , Dez	hou	u L&A	Petrole	um	Machin			
-	D (LAA/)			(\)	04	I ()			

l	# 2 , Dez	thou	ı L&A	Petrole	um	Machin
1	Pwr (kW)		Rod Dia	(mm)	Stro	ke (mm)
l	37	2.8		50.8		152.4
l	Liner Size (m	m)		Vol/Stk C	R (n	n³/stk)
1	114.3			0.005		
l	P (bars)	Slov	v Spd	Strokes	(s	Eff (%)
l						
l						



Report Start Date: 22/12/2012

Report #: 15.0 From Spud: 10.00

arrow					A	ALL DEI	PTHS	REFER	ENCE M	ИD К	CB
Well Nam)A									
Drilling Parar Wellbore	meters Start Depth (mk	(B) E	nd Depth (n	nKR) I	Cum Depth (m)	Drilling Time	(hr) Cum	Drill Time (. Int ROP (m/h	ır) IO	Flow (m³/min)
Branch 3	600.0		1,05		935.00	Drilling Time	(III) Cuii	7.00		")	350.000
WOB (daN)	RPM (rpm)	20 s	SPP (bars)		Drill Str Wt (daN)	PU Str Wt (da	aN) SO	Str Wt (daN)	Drilling Torqu	Je O	off Btm Tq
BHA #4, Late	ral										
Bit Run Size (m	ım) M	Make /arel	ı		Model VM613R	IADC M42	Codes		Serial Num		Length (m) 0.20
Nozzles (mm)			T		al Fluid Area (nozzl			IADC Bit Du			
12.0/12.0/12.0	0/12.0/12.0			565							
String Length (m)		1	,232.52	Weight	of String in Air (da	N)	27,696	BHA ROP (r	m/hr)		20.0
String Components Varel VM613F) vn c	adrill Elas	ot Cul	h LIVM DDM	Vovor UE	264 HD	C2 Voyer	HD63 NN		IMDD
Drill Pipe, HW			auriii, Fioa	at Su	D, UXIVI, DPIVI	, Xover, HL	JS1, HD	SZ XOVEI,	HDS2, NIV	IDC, F	IWDP,
Drilling Parar											
Wellbore Branch 3	Start Depth (mk		nd Depth (n 1,05		Cum Depth (m) 935.00	Drilling Time	(hr) Cum	Drill Time (7.00	. Int ROP (m/h	ır) 🔽	Flow (m³/min) 350.000
WOB (daN)	RPM (rpm)		SPP (bars)		Drill Str Wt (daN)	PU Str Wt (da	aN) SO	Str Wt (daN)	Drilling Torqu	ie O	off Btm Tq
SURVEY DAT		20									
0011121271	Date		T		MD (mKB)	Incl	(°)	Azr	n (°)	T	VD (mKB)
Underreamin	g Intervals								•		
Top (mKB)	Btm (mK	(B)	OD	(mm)				Com			

art Date: 23/12/2012 Report #: 16.0

s From Spud: 11.00

by OPERATIONS

64.73

CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)
Surface	244.5	69.10
Intermediate	177.8	648.67

arr	OWe))	,				Da	ily Drilling R	eport	Report Sta
	Name			\		A	LL DEF	THS REFERE	NCE MD KB	Days
API/UWI BPD12			Field N Peak	Name K Downs		e/Province eensland	t	Country Australia	WBS Code C.A5.BPD.AD.12.0 .12101	CASING STRING Csg Des
Well Type SIS La			Well C	onfiguration Type		d Date 13/12/20	12 00:00	Rig Release Date 10/01/2013 09:0	Start Date 8/12/2012 16:00	Surface Intermediate
DAILY	OPER/	ATIONS								
	•		chan 12.17	1		227.67	Ground Eleva	223.77		.90
Ü	epth (mKB		562.00			,546.63	End Depth (m	600.00		.00
	rilling N			Weather light rain			Latitude (°)	22° 13' 6.832" S	ongitude (°) 148° 15' 55.608	<u>" E</u>
POOH valves	, everyth	ect drill s ning, for	possil	check and te				oe, completely inspe	ect all surface equipment	,
Wait o				I to drill ahead	d					
	ns at 6:00 by due t	to weath	ner							CUM TIMELOG
Remarks Found		1 2" 300	0PSI v	alve that goe	s from st	tandpipe	to kill line.			Code 1 WORKTIME
HOUR	LY OPE	RATIO	NS SU	JMMARY 00:0	00 TO 24	1:00 OF 1	THE REPO	RTING DAY		
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity		Со	m	STANDBY DRILL
00:00	00:45	0.75	Yes	In Seam	694.87	ОТН		urface equipment to	•	
00:45	07:00	6.25	Yes	In Seam	694.87	TRI	POOH to	look for washed pip	oe / inspect DD tools	MOVE
07:00	08:30	1.50	Yes	In Seam	694.87	TRI	Continue	to POOH.		SAFETY
08:30	11:30	3.00	Yes	In Seam	694.87	STB	breakdov	vn motor, inspect, te	est	DAILY CONTAC
11:30	12:00	0.50	Yes	In Seam	694.87	TRI	change s	lip dies and RIH to	shoe	Job Contact
12:00	18:00	6.00	Yes	In Seam	694.87	TRI	motor jus	t outside of shoe, p	ge or washouts, test muc ressure loss still present	
							surface e	quipment and relate	ugh inspection of all ed hoses, valves, fittings	Jeff Wilkinson

18:00 00:00

00:00 00:00 24.00

MUD PROPERTIES Type

Breakdown - Other

Breakdown motor

Breakdown - Other

Waiting on - weather

Des

Supply Item Des

Commen

MUD USED

Job Supplies

Breakdown - Rig Engine

NPT

6.00 Yes In Seam

Yes

pressure loss, washed pipe or surface equipment

pressure loss, check pipe while run back in hole

694.87 STB

694.87 STB

Depth (mKB)

Start Date

Start Date

Start Date

Vendor

Vendor

HOURLY OPERATIONS SUMMARY 00:00 TO 6:00 OF THE NEXT REPORTING DAY End Depth (mKB)

Phase

Time

Units

Unit Label

In Seam

Found a washed 2" valve between standpipe and kill

Com

End Date

End Date

End Date

Consumed

Vis (days/m³)

23/12/2012 08:30

23/12/2012 11:30

23/12/2012 18:00

26/12/2012 00:00

On Loc

Daily Field Est (Cost)

Cum On Loc

Standby due to rain / wet lease conditions

Dens (sg(h2o))

Stand-by due to wet weather

23/12/2012 00:00

23/12/2012 08:30

23/12/2012 11:30

23/12/2012 18:00

Rec

WORKTIME 15 STANDBY 5 DRILL (MOVE (SAFETY (DAILY CONTACTS Job Contact Adrian Nygaard Drilling Super Jeff Wilkinson Drilling	•
DRILL MOVE SAFETY DAILY CONTACTS Job Contact Adrian Nygaard Drilling Super Jeff Wilkinson Drilling	0.00 115.75 0.00 59.75 0.00 3.50 Title
MOVE (Contact Super Supe	0.00 59.75 0.00 3.50
SAFETY DAILY CONTACTS Job Contact Adrian Nygaard Drilling Super Jeff Wilkinson Drilling	7.00 3.50
SAFETY DAILY CONTACTS Job Contact Adrian Nygaard Drilling Super Jeff Wilkinson Drilling	7.00 3.50
DAILY CONTACTS Job Contact Adrian Nygaard Drilling Super Jeff Wilkinson Drilling	Title
Job Contact Adrian Nygaard Drilling Super Jeff Wilkinson Drilling	g
Adrian Nygaard Drilling Super Jeff Wilkinson Drilling	g
Super Jeff Wilkinson Drilling	•
10	
Super Mohammad Well E	intant Engineer
Rahman weii E	ingineer
SAFETY CHECK SUMMAR	V
Type Last Da	
BOP Drill	
Toolbox	
Weekly safety Meeting both	
crews	
Weekly safety	
meeting both	
crews.	
SAFETY OBSERVATIONS	
Safety Stats Company C	ompany #
PERSONNEL LOG SUMMA	
Type Count Hrs (hr	
17 204.0	
SAFETY CHECKS TODAY	
Туре	Date
MUD PUMP	D
# 1, Shandong Qingneng Pwr (kW) Rod Dia (mm)	Power Co ,
372.8 50.8	<u>187.3</u>
Liner Size (mm) Vol/Stk O	R (m³/stk)
127 0 In no7	
127.0 0.007 P (bars) Slow Spd Strokes (s Eff (%)
P (bars) Slow Spd Strokes (
P (bars) Slow Spd Strokes (if # 2 , Dezhou L&A Petrole	um Machin
P (bars) Slow Spd Strokes (: # 2 , Dezhou L&A Petrole Pwr (kW) Rod Dia (mm) 50.8	um Machin Stroke (mm) 152.4
P (bars) Slow Spd Strokes (in	um Machin Stroke (mm)
P (bars) Slow Spd Strokes (in	um Machin Stroke (mm) 152.4



ALL DEDTHS DEEEDENCE MD KI

Report Start Date: 23/12/2012

Report #: 16.0 Days From Spud: 11.00

Serial Number Serial Numbe	Nozzies (mm)	Well Name	: PD12	20A				ALL DEP	THS	S REFEI	RENCE I	MD	KB
Size (mm)				ΓINF	ORMATI	ON							
155.6 Varel VM613R M424 4001684 0.20	Nozzies (mm)	,											
Nozzles (mm) Society (mm²) Society (mm²)	Nozzles (mm)								es				
Neight of String in Air (daN) 1,232.52 Weight of String in Air (daN) 27,696 BHA ROP (m/hr) 20.0	String Length (m)	Nozzles (mm)											1 2:22
String Components Varel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP, Drill Pipe	String Components Varel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP, Drill Pipe	String Length (m)	12.0/12.0		1 222 52		t of String in Air (da		. 606	BHA ROP (m	n/hr)		20.0
Drill Pipe, HWDP, Drill Pipe Drilling Parameters	Drill Pipe HWDP, Drill Pipe Drilling Parameters	String Components			1,232.52			21	,090				20.0
Drilling Parameters	Drilling Parameters				adrill, Flo	at Su	b, UXM, DPM,	, Xover, HDS1,	HDS	S2 Xover,	HDS2, NMI	DC, F	HWDP,
Start Depth (mKB) End Depth (mKB) Cum Depth (m) Start Depth (mKB) Start Depth (m	Start Depth (mKB) End Depth (mKB) Cum Depth (m) Ostation Start Depth (mKB) Cum Depth (mKB) Ostation Ostation Start Depth (mKB) Cum Depth (mKB) Ostation Os	<u>'</u>		ipe									
RPM (rpm)	RPM (rpm)	Wellbore S	Start Depth (r						Cum		Int ROP (m/hr)) [` /
Serial Number Length (m)	BHA #4, Lateral Bit Run Size (mm) 155.6 Make VM613R M424 M401684 M220 M221es (mm) Length (m) M220 M221es (mm) L2.0/12.0/12.0/12.0/12.0/12.0/12.0/12.0/1					5.00			SO S		Drilling Torque	. (
Size (mm)	Size (mm)				(33.3)								
155.6 Varel VM613R M424 4001684 0.20	155.6 Varel VM613R M424 4001684 0.20	•		Mako			Model	IADC Code	\c		Sorial Numb	or	L ongth (m)
12.0/12.0/12.0/12.0/12.0 565	12.0/12.0/12.0/12.0/12.0 565	4			el				75				
String Length (m)	String Length (m)		12 0/12 0				al Fluid Area (nozzl	es) (mm²)		IADC Bit Dul			
String Components Varel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP, Drill Pipe, HWDP, Drill Pipe Drilling Parameters Wellbore Start Depth (mKB) End Depth (mKB) Cum Depth (m) Drilling Time (hr) Cum Drill Time (Int ROP (m/hr) Q Flow (m²/min) 350.000 WOB (daN) RPM (rpm) SPP (bars) Drill Str Wt (daN) PU Str Wt (daN) Drilling Torque Off Btm Tq SURVEY DATA Date MD (mKB) Incl (°) Azm (°) TVD (mKB) Underreaming Intervals	String Components Varel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP, Drill Pipe, HWDP, Drill Pipe Drilling Parameters Wellbore Start Depth (mKB) End Depth (mKB) Cum Depth (m) Drilling Time (hr) Cum Drill Time (Int ROP (m/hr) Q Flow (m²/min) 350.000 Y.00 Str Wt (daN) Drilling Torque Off Btm Tq SURVEY DATA Date MD (mKB) Incl (*) Azm (*) TVD (mKB) Underreaming Intervals				1 000 ==		t of String in Air (da				n/hr)		
Varel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP, Drill Pipe Drilling Parameters Wellbore Start Depth (mKB) End Depth (mKB) Cum Depth (m) Drilling Time (hr) Cum Drill Time (Int ROP (m/hr) Q Flow (m²/min) Branch 3 600.00 1,055.00 935.00 7.00 350.000 NOB (daN) RPM (rpm) SPP (bars) Drill Str Wt (daN) PU Str Wt (daN) SO Str Wt (daN) Drilling Torque Off Btm Tq SURVEY DATA Date MD (mKB) Incl (°) Azm (°) TVD (mKB) Underreaming Intervals	Varel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP, Drill Pipe Drilling Parameters Wellbore Start Depth (mKB) End Depth (mKB) Cum Depth (m) Drilling Time (hr) Cum Drill Time (Int ROP (m/hr) Q Flow (m²/min) 350.000 Q SPP (bars) Drill Str Wt (daN) PU Str Wt (daN) Drilling Torque Off Btm Tq SURVEY DATA Date MD (mKB) Incl (°) Azm (°) TVD (mKB) Underreaming Intervals	String Components			1,232.52			27	,696	<u> </u>			20.0
Drilling Parameters	Drilling Parameters	Varel VM613R,			adrill, Flo	at Su	b, UXM, DPM,	, Xover, HDS1,	HDS	S2 Xover,	HDS2, NMI	DC, F	HWDP,
Nellbore Start Depth (mKB) End Depth (mKB) Cum Depth (m) Drilling Time (hr) Cum Drill Time (Int ROP (m/hr) 350.000 350.000 NOB (daN) RPM (rpm) 8 120 PU Str Wt (daN) PU Str Wt (daN) PU Str Wt (daN) Drilling Torque Off Btm Tq SURVEY DATA Date MD (mKB) Incl (°) Azm (°) TVD (mKB) Underreaming Intervals NOB (mKB)	Wellbore Start Depth (mKB) End Depth (mKB) Cum Depth (m) 935.00 Start Depth (m/hr) General Fig. Cum Depth (m) Start Depth (m/hr) General Fig. General	•		ipe									
NOB (daN) RPM (rpm) SPP (bars) Drill Str Wt (daN) PU Str Wt (daN) SO Str Wt (daN) Drilling Torque Off Btm Tq	WOB (daN) RPM (rpm) SPP (bars) Drill Str Wt (daN) PU Str Wt (daN) SO Str Wt (daN) Drilling Torque Off Btm Tq	Wellbore S	Start Depth (r						Cum		Int ROP (m/hr)) [
8 120 SURVEY DATA Date MD (mKB) Incl (*) Azm (*) TVD (mKB) Underreaming Intervals	8 120 SURVEY DATA Date MD (mKB) Incl (°) Azm (°) TVD (mKB) Underreaming Intervals					5.00			SO S		Drilling Torque	. (
Date MD (mKB) Incl (°) Azm (°) TVD (mKB)	Date MD (mKB) Incl (°) Azm (°) TVD (mKB)				5 (Baile)		21 Oli 111 (dai1)	. o ou m (dam)			Driming Torque		5 5t 1q
Underreaming Intervals	Underreaming Intervals	SURVEY DATA	4										
`	`		Date				MD (mKB)	Incl (°)		Azm	ı (°)	1	VD (mKB)
`	`												
TOP (TIIKB) BUIL (TIIKB) OD (TIIIII)	TOP (TIRE) BUT (TIRE) OD (TITIL) COM				T 0F	\ (mm)				Com			
		TOP (TIKB)	Buil (II	IND)	OL.	(111111)				Com			



ALL DEPTHS REFERENCE MD KB

Report Start Date: 24/12/2012

Report #: 17.0 Days From Spud: 12.00

PI/UWI			Field Na				/Province		Country			WBS Code			CASING S	STRINGS				
3PD12	001		Peak	Downs		Que	eenslan	d	Austra	alia		C.A5.BF .12101	PD.AD.	12.001	Csg	Des	OD (r		Set Dep (mKB	
Vell Type			Well Co	onfiguration T	уре		Date	12.00.00		ease Date	2.00	Start Date	2012 1	6.00	Surface		24	4.5	69.	.10
SIS Lat		TIONO				1 1	3/12/20	12 00:00	10/	01/2013 09	9.00	0/12/	2012 1	6.00	Intermedia	ate	17	77.8	648	.67
		ATIONS n (no plan		Original KB E	Elevatio	n (m)		Ground Eleva	ation (m)		KB-Gr	ound Distand	ce (m)							
argot Do	pth (mKB	١	12.17	Total Depth ((mKD)		227.67	End Depth (n	nVD\	223.77		Progress (m	,)	3.90						
	. ,		62.00		(IIIKD)	1,	546.63	Liid Deptii (ii	ikb)	600.00		Frogress (III	'')	0.00						
Rig (Name Nitro Dr	es) rilling N	itroD1		Weather foggy				Latitude (°)	22° 1	3' 6.832" 5		ude (°) 148°	15' 55	5.608" E						
peration	s Summa	ry	veart o		0 W00	othor or	ondition	s and cam	n contic	hoing full										
peration	s Next Re	port Period	d	•			Jilailion	3 and Cam	p septic	being run										
Vait on		to dry o	ut. Res	ume oper	ations	s??														
Standb		o wet we	eather												CUM TIM	ELOG by	OPER	ATIO	NS	
Remarks Ve hac	d a hea	vy down	pour la	st night a	gain.	I would	d hope t	o resume	ops toda	ay, but I ca	nnot c	onfirm thi	is right	now		Code 1		Dur (hr)	Cum (hr	
HOURL	Y OPE	RATIO	NS SU	MMARY 0	0:00	TO 24:	:00 OF	THE REPO	ORTING	DAY					STANDBY			24.00		
Start	End		Proble			End Depth									WORKTIN	ΛE		0.00	130	.50
Time	Time	Dur (hr)	m?	Phase		(mKB)	Activity				Com				DRILL			0.00	115	75
00:00	00:00	24.00	Yes	In Seam	6	94.87	STB	Stand-b	y due to	wet weath	er				DIVILL			0.00	113	. 7 3
HOURL	Y OPE	RATIO	NS SU	MMARY 0	0:00	TO 6:0	0 OF T	HE NEXT	REPOR	TING DAY	<u>'</u>				MOVE			0.00	59.	
Start Time	End Time	Dur (hr)	Proble m?	Phase		Depth (mKB)	Activity			,	Com				SAFETY			0.00	3.	.50
	00:00	24.00		In Seam		94.87	-		e due to	weather	30111					ONTACTS				
MUD P	ROPER	RTIES	•					•							Adrian Ny	Contact rgaard	Drill	Titl ing	е	
	Туре			Time			Depth	(mKB)		Dens (sg(h2o))	Vis	s (days/m	1 ³)				erviso	r	
															L. CC VACULT		 			
Activity								Start Date			End Da	ate			Jeff Wilkir	ison	Drill Sup	ıng erintdı	nt	
Vaiting	on - w	eather						23/1	2/2012	18:00		26/12/20	12 00:	00	Mohamma	ad	Wel	I Engii	neer	
Comment															Rahman					
NUD U	SED															CHECK S			- · · ·	
		Des			Units		Ven	dor	Re	c Con	sumed	On Loc		aily Field st (Cost)	BOP Drill)e	Last	Jate	# Oc	cur
									1	2 22		0.1.20		or (Goot)	Toolbox					_
Job Su	pplies														Weekly sa	, ,				
	Sı	upply Item	Des		Unit	t Label		Vendor		Receive	d	Consumed	Cun	n On Loc	Meeting b crews	Otti				
.	OTDINI	0 AND 1		CODMATI	<u> </u>										Weekly sa					
	S I RING B, Later		BII INI	FORMATION	ON										meeting b crews.	oth				
Bit Run	Size (mr	n)	Make			Model	400		Codes		- 1	al Number	Le	ngth (m)		OBSERV <i>A</i>	ATION	e		
ozzles (r		155			Bit Tota	VM6' al Fluid Ai	rea (nozzl	M42 es) (mm²)	:4	IADC Bit Du		01684		0.20		Compa	iny		Т	#
12.0/12 String Len		/12.0/12	2.0		565	t of String	ı in Air (da	NI)		BHA ROP (m/hr)				Safety Stats	туре Туре	:	Compa	iny [Rpts
	. ,			1,232.52	vveigili	i oi Siiiig	j III Ali (ua	IN)	27,696		10111)			20.0	PERSONI	NEL LOG	SHIM	/ARY		
	nponents M613R		G2 Dyr	nadrill, Flo	at Su	b, UXN	I, DPM,	Xover, HD	DS1, HD	S2 Xover,	HDS2	NMDC,	HWDI	>,			Reg \	Work	Tot Wo	
		DP, Drill	-												Туре	Count		4.00	Hrs (h	
Orilling Vellbore	Paran		h (mKR)	End Depth (r	mKR) I	Cum Dep	oth (m)	Drilling Time	(hr) ICun	n Drill Time (.	Int RO	P (m/hr)	IO Flow	(m³/min)	SAFETY	CHECKS	TODA	Y		
3ranch	3	É	00.00	1,05	5.00		935.00	Ü	`	7.00		(112111)	(350.000		ре		Date	е	
VOB (dal	N) 8	RPM (rpm) 120	SPP (bars)		Drill Str V	Vt (daN)	PU Str Wt (da	aN) SO	Str Wt (daN)	Drilling	Torque	Off Btm	Tq						
3HA #4	I, Later	al									1				MUD PUN					
Bit Run I	Size (mr		Make 5.6 Var			Model VM6	13R	M42	Codes			al Number 01684	Le	ngth (m) 0.20	#1, Sha	Rod Dia			e (mm)	Э,
lozzles (r			<u> </u>				rea (nozzl			IADC Bit Du					37 Liner Size (m	2.8	50.	8 OR (m³		7.3
tring Len		/12.0/12	2.0		565 Weight	t of String	ı in Air (da	N)		BHA ROP (m/hr)				127.0	····)	0.007	•	/SIK)	
String Cor	nponents			1,232.52					27,696	6				20.0	P (bars)	Slow Spd	Stroke	s (s E	ff (%)	
/arel V	M613R		-	nadrill, Flo	at Su	b, UXN	И, DPM,	Xover, H	OS1, HD	S2 Xover,	HDS2	2, NMDC,	HWDI	⊃,		zhou L&A				in
	-	DP, Drill	Pipe												Pwr (kW)	Rod Dia	(mm) 50.		e (mm) 15	2.4
Drilling Vellbore	Paran		h (mKB)	End Depth (r	nKB)	Cum Dep	oth (m)	Drilling Time	(hr) Cun	n Drill Time (.	. Int RO	P (m/hr)	Q Flow	(m³/min)	Liner Size (m		Vol/Stk	OR (m³		_
Branch VOB (dat		RPM (rpm	00.00	1,05 SPP (bars)		Drill Str V	935.00 Vt (daN)	PU Str Wt (da	N) SO	7.00 Str Wt (daN)		Torque	Off Btm	350.000	114.3 P (bars)	Slow Spd	0.005 Stroke	s (s E	ff (%)	_
. SD (uai	8	. a in (ipili	, 120	Cri (Dais)		21111 Ott V	· · (daiv)	. 5 50 VVI (U	,	Ca TTT (Gail4)	Z.iiiiilg	, .orque	J., D.,	٠٩						

Page 1/2

(hr) 82.50

Tot Work Hrs (hr) 204.00



SURVEY DATA

Daily Drilling Report

ALL DEPTHS REFERENCE MD KB

Report Start Date: 24/12/2012

Report #: 17.0 Days From Spud: 12.00

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	
ng Intervals Btm (mKB)	OD (mm)		Com		
Bull (IIIAD)	OD (IIIII)		COIII		
	<u>'</u>				
					1
			ge 2/2		Report Print



ALL DEPTHS REFERENCE MD KB

Report Start Date: 25/12/2012

-					-	
				Rep	ort#	# : 18.0
	D	ays	Fror	n Sp	ud:	13.00

STRINGS Set Depth (mKB) 69.10 OD (mm) 244.5 sg Des diate 177.8 648.67

							10 1			WBS Code		
API/UWI BPD12001	Field N Peak	Downs			/Province eensland	I	Country Austral	ia		C.A5.BP .12101		2.001
Vell Type SIS Lateral	Well C	onfiguration	Туре		Date 3/12/20	12 00:00	Rig Relea	se Date 1/2013 09		Start Date	2012 16:	.00
DAILY OPERATIONS				<u> </u>	3/ 12/20	12 00.00	10/0	1/2013 03:	.00	0/12/2	2012 10.	.00
Most Likely Duration (no plan		Original KB	Elevation			Ground Elevat	tion (m)	000.77	KB-Grou	und Distanc	e (m)	2.00
arget Depth (mKB)	12.17	Total Depth	(mKB)			End Depth (ml	KB)	223.77	Depth P	rogress (m))	3.90
1,5 Rig (Names)	62.00	Weather		1,	546.63	Latitude (°)		600.00	Longitud	de (°)		0.00
Nitro Drilling NitroD1		clear					22° 13	' 6.832" S			15' 55.6	08" E
Naiting on muddy con		to impro	ve									
perations Next Report Period Irilling ahead	I											
Operations at 6:00 Drilling ahead at 1173.	95m li	nc-80 72	Azm-1	15 60	TVD 60)6 89m						
Remarks				10.00	, 110 00	0.00111						
We will be resuming o				O 24	.00 OE 1	THE DEDO	DTING I	DAV				
HOURLY OPERATION		IVIIVIAIN I		End	JU OF I	TIL KEPU	I DVIII I	JA I				
Start End Time Time Dur (hr)	Proble m?	Phase	(1	epth nKB)	Activity				om			
00:00 00:00 24.00	Yes	In Seam		94.87	STB	standbye						
HOURLY OPERATION	NS SU	MMARY		O 6:0	0 OF TI	HE NEXT F	REPORT	ING DAY				
Start End Time Time Dur (hr)	Proble m?	Phase	[epth nKB)	Activity			С	om			
00:00 00:15 0.25	.,,,	In Seam	64	16.41	SFT		•	PJSM with	crews			
00:15 03:30 3.25		In Seam	1	,168. 86	TRI 1167.83		46.41 m	RKB to 11	1 68.86 67.83 n	•		
03:30 09:30 6.00		In Seam	1	,211.	DRL		nd 6 1/8"	hole fr 11			78m RK	В,
				78		found coa	al					
MUD PROPERTIES Type					Danth	. 140)		((h-0))				
											(daya/m3)	
туре		Time			Depth ((mKB)	De	ens (sg(h2o))		Vis	(days/m³)	
		Time			Depth (mkB)	De	ens (sg(nzo))		Vis	(days/m³)	
NPT Activity		Time				Start Date	2/2012 18		End Dat	e		
NPT Activity Waiting on - weather		Time				Start Date			End Dat			
NPT Activity Waiting on - weather Comment		Time				Start Date			End Dat	e		
NPT Activity Waiting on - weather Comment MUD USED		Time	Unito			Start Date 23/12	2/2012 18	3:00	End Dat	e 26/12/201	12 00:00) y Field
NPT Activity Waiting on - weather Comment		lime	Units			Start Date 23/12			End Dat	e	12 00:00)
NPT Activity Waiting on - weather Comment MUD USED Des		Time	Units			Start Date 23/12	2/2012 18	3:00	End Dat	e 26/12/201	12 00:00) y Field
NPT Activity Waiting on - weather Comment MUD USED Des	Des	lime		_abel		Start Date 23/12	2/2012 18	3:00	End Dat	e 26/12/201	12 00:00	y Field (Cost)
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item			Unit I	abel		Start Date 23/12	2/2012 18	B:00 Const	End Dat	e 26/12/201 On Loc	12 00:00 Daily Est (y Field (Cost)
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies			Unit I	abel		Start Date 23/12	2/2012 18	B:00 Const	End Dat	e 26/12/201 On Loc	12 00:00 Daily Est (y Field (Cost)
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND I BHA #3, Lateral Bit Run Size (mm)	BIT IN	FORMAT	Unit I	Model	Vend	Start Date 23/12	Rec	B:00 Const	End Dat 2	e e 26/12/20 ² On Loc Consumed	Daily Est (y Field (Cost)
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND I BHA #3, Lateral Bit Run Size (mm) Nozzles (mm)	BIT IN	FORMAT	Unit I	Model VM6	Vend	Start Date 23/12 dor Vendor	Rec	B:00 Const	End Dat 2	e 26/12/20 ² On Loc	Daily Est (y Field (Cost)
NPT Activity Waiting on - weather Comment MUD USED Des Supply Item DRILL STRING AND I BHA #3, Lateral Bit Run 3 Size (mm) 3 155	BIT IN	FORMAT	Unit I ION Bit Total 565 Weight	Model VM6 ⁻ Fluid A	Vend	Start Date 23/12 dor Vendor IADC (M424 is) (mm²)	Rec	B:00 Const	End Dat 2	e e 26/12/20 ² On Loc Consumed	Daily Est (y Field (Cost) On Loc 0.20
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND I BHA #3, Lateral Bit Run Size (mm) 3	BIT IN	FORMAT	Unit I ION Bit Total 565 Weight	Model VM6 ⁻ Fluid A	Vend	Start Date 23/12 dor Vendor IADC (M424 is) (mm²)	Rec	Received	End Dat 2	e e 26/12/20 ² On Loc Consumed	Daily Est (y Field (Cost)
Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND IBHA #3, Lateral Bit Run Size (mm) 3 155 Nozzles (mm) 12.0/12.0/12.0/12 String Length (m) String Components Varel VM613R, LXM, 6	.6 Mak .6 Var	FORMAT e el 1,232.52	ION Bit Total 565 Weight	Model VM6 Fluid A	Vend	Start Date 23/12 dor Vendor IADC (M424 M1)	Rec Codes 4 27,696	Received IADC Bit Dull BHA ROP (m	End Dat 2 umed Serial 400	On Loc Consumed	Daily Est (y Field (Cost) On Loc 20.0
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND IBHA #3, Lateral Bit Run Size (mm) 12.0/12.0/12.0/12.0/12 String Length (m) String Components Variel VM613R, LXM, 4 Drill Pipe, HWDP, Drill	.6 Mak .6 Var	FORMAT e el 1,232.52	ION Bit Total 565 Weight	Model VM6 Fluid A	Vend	Start Date 23/12 dor Vendor IADC (M424 M1)	Rec Codes 4 27,696	Received IADC Bit Dull BHA ROP (m	End Dat 2 umed Serial 400	On Loc Consumed	Daily Est (y Field (Cost) On Loc 20.0
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND I BHA #3, Lateral Bit Run 3 155 Nozzles (mm) 12.0/12.0/12.0/12.0/12 String Length (m) String Components Varel VM613R, LXM, of Drill Pipe, HWDP, Drill Drilling Parameters Wellbore Start Dept	.0 Mak .6 Var .0 S2 Dyr Pipe	FORMAT e el 1,232.52 nadrill, Flo	Unit I ION Bit Total 565 Weight of the second of the se	Model VM6 Fluid A of String	Veno 13R rea (nozzle i in Air (daN 1, DPM,	Start Date 23/12 dor Vendor IADC (M424 M1)	Rec 2/2012 18 Rec 27,696 S1, HDS	Received IADC Bit Dull BHA ROP (m	End Dat 2 umed Serial 400	On Loc Consumed	Daily Est (Cum C Leng	y Field (Cost) Dn Loc 20.C 20.C
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND I BHA #3, Lateral Bit Run Size (mm) 12.0/12.0/12.0/12 String Components Varel VM613R, LXM, of Drill Pipe, HWDP, Drill Drilling Parameters Wellbore Start Dept Branch 3 RPM (rpm	.6 Mak .6 Var .0 S2 Dyr Pipe	FORMAT e el 1,232.52 nadrill, Flo	Bit Total 565 Weight of the state of the sta	Model VM6 Fluid A of String , UXN	Veno 13R rea (nozzle in Air (daN 1, DPM,	Start Date 23/12 dor Vendor Value (M424 W1) Xover, HD	Rec Codes 4 27,696 S1, HDS	Received IADC Bit Dull BHA ROP (m S2 Xover, I	End Dat 2 umed Serial 400	On Loc On Sonsumed Number 1684 NMDC,	Daily Est (Cum C Leng	y Field ((Cost) Dn Loc 20.0 20.0
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND I BHA #3, Lateral BIS B	.6 Mak .6 Var .0 S2 Dyr Pipe	FORMAT e el 1,232.52 nadrill, Flo	Bit Total 565 Weight of the state of the sta	Model VM6 Fluid A of String , UXN	Veno 13R rea (nozzle in Air (daN 1, DPM,	Start Date 23/12 dor Vendor Vendor IADC (M422 ss) (mm²) Xover, HD	Rec Codes 4 27,696 S1, HDS	Received IADC Bit Dull BHA ROP (m S2 Xover, I	End Dat 22 umed Serial 400 data higher HDS2,	On Loc On Sonsumed Number 1684 NMDC,	Daily Est (Cum C Leng HWDP,	y Field ((Cost) Dn Loc 20.0 20.0
NPT Activity Maiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND I BHA #3, Lateral Sit Run 155 Nozzles (mm) 12.0/12.0/12.0/12 String Components Variel VM613R, LXM, G Drill ripe, HWDP, Drill Drilling Parameters Wellbore Branch 3 WOB (daN) 8 BHA #4, Lateral Bit Run Size (mm) 8	.6 Vai .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	FORMAT e el 1,232.52 nadrill, Flo End Depth 1,03 SPP (bars)	Bit Total 565 Weight of the state of the sta	Model VM6 Fluid A of String	Vendent 13R rea (nozzle in Air (dah 1, DPM, 935.00 Vt (dah)	Start Date 23/12 dor Vendor Vendor IADC 0 M424 N) Xover, HD Drilling Time (f	Rec Rec Codes Co	Received IADC Bit Dull BHA ROP (m S2 Xover, I	End Date 2 umed Serial 400 h/hr) HDS2, Int ROP Drilling 1	On Loc Consumed Number 1684 NMDC, (m/hr) Torque	Daily Est (Cum C Leng HWDP, Q Flow (m 355	y Field ((Cost) Dn Loc 20.0 20.0
NPT Activity Waiting on - weather Comment MUD USED Des Job Supplies Supply Item DRILL STRING AND I BHA #3, Lateral Bit Run Size (mm) 12.0/12.0/12.0/12.0/12 String Components Variel VM613R, LXM, 4 Drill Pipe, HWDP, Drill Drilling Parameters Wellbore Start Dept Branch 3 WOB (daN) RPM (rpm 8 BHA #4, Lateral Bit Run Size (mm) 4 Size (mm)	.6 Var .0 S2 Dyr Pipe	FORMAT e el 1,232.52 nadrill, Flo End Depth 1,03 SPP (bars)	Bit Total 565 Weight (mKB) C 55.00	Model VM6 Fluid A of String , UXM um Depririll Str V Model VM6	Vendonal National Nat	Start Date 23/12 dor Vendor Vendor IADC (M424 IADC (M424 IADC (M424	Rec Rec Codes Co	Received IADC Bit Dull BHA ROP (m 62 Xover, I Drill Time (7.00 tr Wt (daN)	End Date 2 umed Serial 400 Int ROP Drilling 5	On Loc On Sonsumed Number 1684 NMDC, (m/hr) Torque	Daily Est (Cum C Leng HWDP, Q Flow (m 355	20.00 20.00 3
NPT Activity Waiting on - weather Comment MUD USED Des Des Des Des Des Des Des D	.0 Makk Vari	FORMAT e el 1,232.52 nadrill, Flo End Depth 1,03 SPP (bars)	Bit Total 565 Weight of 555.00 Bit Total 565	Model VM6: Fluid A of String , UXM um Dep rill Str V	Veno 13R rea (nozzle in Air (dan 1, DPM, bith (m) 935.00 Vt (dan) 13R rea (nozzle	Start Date 23/12 dor Vendor Vendor IADC (M42/2 s) (mm²) Vover, HD Drilling Time (f) PU Str Wt (dal IADC (M42/2 s) (mm²)	Rec Rec Codes Co	Received IADC Bit Dull BHA ROP (m 7.00 tr Wt (daN)	End Dat 2 umed Serial 400 Serial 400	On Loc Consumed Number 1684 NMDC, (m/hr) Torque	Daily Est (Cum C Leng HWDP, Q Flow (m 355	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
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Report Printed: 24/01/2013



ALL DEPTHS REFERENCE MD KB

Report Start Date: 25/12/2012

Report #: 18.0 Days From Spud: 13.00

	e: PD120A	1	A						
Drilling Parar	neters								
Wellbore	Start Depth (mKB)	End Depth (mKB	Cum Depth (m)	Drilling Time (hr)	Cum Drill Time (Int ROP (m/hr)	Q Flow (m³/min)		
Branch 3	600.00	1,055.0	0 935.0	0	7.00		350.000		
WOB (daN)	RPM (rpm)	SPP (bars)	Drill Str Wt (daN)	PU Str Wt (daN)	SO Str Wt (daN)	Drilling Torque	Off Btm Tq	1	
8	120								
SURVEY DAT	ΓΔ								
CONVET DAT	Date		MD (mKB)	Incl (°)	1 ^	n (°)	TVD (mKB)		
	Dale		(מאווו) טואו	irici ()	AZI	()	IVD (IIIND)		
Underreamin	g Intervals								
Top (mKB)	Btm (mKB)	OD (mn	n)		Com				
100 ((5)	5 ()	35 (,						
								1	
								1	
								1	
					Page 2/2			Report Printed: 2	24/01/201



ALL DEPTHS REFERENCE MD KB

Report Start Date: 26/12/2012

Report #	‡: 19.0
Days From Spud:	14.00

CASING STRINGS									
Csg Des	OD (mm)	Set Depth (mKB)							
Surface	244.5	(69.10)							
Intermediate	177.8	648.67							

Well Hallie.	FDIZUA				
API/UWI	Field Name	State/Province	Country	WBS Code	[
BPD12001	Peak Downs	Queensland	Australia	C.A5.BPD.AD.12.001 .12101	
Well Type	Well Configuration Type	Spud Date	Rig Release Date	Start Date	ŀ
SIS Lateral		13/12/2012 00:00	10/01/2013 09:00	8/12/2012 16:00	ħ

SIS Lateral	13/		13/12/20	012 00:00 10/01/2013 09:0		:00 8/12/2012 16:00		00	
DAILY OPERATIONS									
Most Likely Duration (no plan cl	han O	Original KB Elevation (n	n)	Ground Elevati	ion (m)	KB-Ground [Distance (m)		
1	2.17		227.67		223.77			3.90	
Target Depth (mKB)	T	otal Depth (mKB)		End Depth (mh	(B)	Depth Progre	ess (m)		
1,56	2.00		1,546.63		600.00			0.00	
Rig (Names)	V	Veather		Latitude (°)		Longitude (°))		
Nitro Drilling NitroD1	s	stormy,clear			22° 13' 6.832" S		148° 15' 55.60	08" E	
Operations Summary									
Prestart rig , r.i.h fr shoe	to 116	68.86m rkb, drill	to 1211.78i	m rkb (found	d coal), cut lip fr 1	038m to 1	1048.55m rkb,	,	
	attempt side track branch #4 . Slide unsuccesful, Rotate lowside fr 1048m to 1055m RKB								
Operations Next Report Period									

Continue to attempt to sidetrack branch #4 roatating as per directional programme
Operations at 6:00
Drilling ahead per dd revised plan, aprox 4m above programme, @ 1062m MD RKB

Storm cell very close, load up on fuel , water etc

HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY										
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com			
00:00	00:15	0.25		In Seam	646.41	SFT	Pre start rig and PJSM with crews			
00:15	03:30	3.25		In Seam	1,168. 86	TRI	R.I.H fr 646.41 m RKB to 1168.86m RKB			
03:30	09:30	6.00		In Seam	1,211. 78	DRL	Drill ahead 6 1/8" hole fr 1168.86 to 1211.78m RKB , found coal			
09:30	10:30	1.00		In Seam	1,038. 93	TRI	p.o.o.h fr 1211.78 to 1038.93m RKB			
10:30	12:00	1.50		In Seam	1,048. 55	DRL	lip cut fr 1038.93m to 1048.55m rkb			
12:00	15:30	3.50		In Seam	1,048. 55	DRL	Low side side track @ 1038mRKB unsuccessful			
15:30	18:00	2.50		In Seam	1,048. 55	DRL	attempt rotate side track @ 1040m RKB			
18:00	18:45	0.75	Yes	In Seam	1,048. 55	STB	Lightning close , pick up off bottom , corculate slowly , wait to pass. monitor well fr pason and prep to shut in if reqd.			
18:45	00:00	5.25		In Seam	1,055. 00	DRL	Drill ahead 6 1/8" assy rotate lowside side track fr 1048m to 1055m RKB			

	HOURLY OPERATIONS SUMMARY 00:00 TO 6:00 OF THE NEXT REPORTING DAY												
	Start	End		Proble		End Depth		_					
П	Time	Time	Dur (hr)	m?	Phase	(mKB)	Activity	Com					
	00:00	06:00	6.00		In Seam	1,062. 69	DRL	Low side side track 6 1/8 assy fr 1048m rkb to 1062.69m rkb					

MUD PROPERTIES										
Туре	Time	Depth (mKB)	Dens (sg(h2o))	Vis (days/m³)						
Polymer	01:00		9.200	38						
Polymer	12:00		9.200	36						
Polymer	17:00		9.200	35						
Polymer	18:00		9.300	40						
Polymer	21:00		9.200	42						

NPT		
Activity	Start Date	End Date
Waiting on - weather	26/12/2012 18:00	26/12/2012 18:45
Comment		

Lightning strikes close to rig area , shut down as precaution , slow circulate monitor well pre to shut in if reqd.

MOD OSED									
Des	Units	Vendor	Rec	Consumed	On Loc	Daily Field Est (Cost)			
AusDex	sacks		120.0	2.0	117.0				
KCL	sacks			15.0	-25.0				
leb Cumilion									

Job Supplies										
Supply Item Des	Unit Label	Vendor	Received	Consumed	Cum On Loc					

MOVE DAILY CONTACTS Job Contact Adrian Nygaard Drilling Supervisor Robert Craig Drilling Supervisor Jeff Wilkinson Drilling Superintdnt Mohammad Rahman SAFETY CHECK SUMMARY Type Last Date BOP Drill Toolbox Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Rpt								
Dur (hr)	CUM TIMEL	.og	by (OPE	RATIC	N		
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Supervisor Jeff Wilkinson Drilling Superintdnt Mohammad Rahman Well Engineer SAFETY CHECK SUMMARY Type Last Date # Occur BOP Drill Toolbox Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Rpt SLAM Contractor Nitro 24 PERSONNEL LOG SUMMARY Type Count Reg Work Hrs (hr)	Adrian Nyga	ard				or		
Superintdnt Mohammad Rahman SAFETY CHECK SUMMARY Type	Robert Crai	9				or		
Rahman SAFETY CHECK SUMMARY Type Last Date #Occur BOP Drill Toolbox Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Rpt SLAM Contractor Nitro 24 PERSONNEL LOG SUMMARY Type Count Reg Work Hrs (hr)	Jeff Wilkinso	on			0			
Type				W	Vell Engineer			
BOP Drill	SAFETY CH	IEC	K SI	JMN	IARY			
Toolbox	Туре			La	st Date	Τ	# O	ccur
Weekly safety Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Company Type Company Type Count Reg Work Hrs (hr) Type Count Reg Work Hrs (hr) Type Count	BOP Drill							
Meeting both crews Weekly safety meeting both crews. SAFETY OBSERVATIONS Safety Stats Type Company Rpt SLAM Contractor Nitro 24 PERSONNEL LOG SUMMARY Type Count Reg Work Hrs (hr) Hrs (hr) 17 204.00 204.00	Toolbox					T		
SAFETY OBSERVATIONS	Meeting bot							
Safety Stats Company Type Company Rpt # Rpt SLAM Contractor Nitro 24 PERSONNEL LOG SUMMARY Type Count Hrs (hr) Tot Work Hrs (hr) Tot Work Hrs (hr) 204.00 204.00	meeting bot							
Safety Stats Type Company Rpt SLAM Contractor Nitro 24 PERSONNEL LOG SUMMARY Type Count Reg Work Hrs (hr) Tot Work Hrs (hr) 17 204.00 204.00	SAFETY OF	BSE	RVA	TIO	NS	_		
PERSONNEL LOG SUMMARY Type Count Hrs (hr) Reg Work Hrs (hr) Tot Work Hrs (hr) 17 204.00 204.00			Туре	,		an	у	Rpts
Type Count Reg Work Hrs (hr) Hrs (hr) 17 204.00 204.00	SLAM Contractor Nitro						24	
Type Count Hrs (hr) Hrs (hr) 17 204.00 204.00	PERSONNE	EL L	OG :	SUN	MARY	′		
17 204.00 204.00	Typo		Ount			Ī		
SAFETY CHECKS TODAY	Туре							
	SAFETY CH	IEC	KS 1	ГОД	AY			

MUD PUMP

Liner Size (mm)

Liner Size (mm)

114.3

127.0

372.8

372.8

Page 1/2

187.3

152.4

64.73

Report Printed: 24/01/2013

Vol/Stk OR (m³/stk)

50.8

0.005

Vol/Stk OR (m³/stk)

0.007

#1, Shandong Qingneng Power Co, Rod Dia (mm) 50.8

2 , Dezhou L&A Petroleum Machin



ALL DEPTHS REFERENCE MD KB

Report Start Date: 26/12/2012

Report #: 19.0 Days From Spud: 14.00

Report Printed: 24/01/2013

		AND BIT INF	ORMATIC	ON							P (bars)	Slow Spd	Strokes (s	Eff (%)
BHA #3, Lateral								. 11						
Bit Run 3	Size (mm	155.6 Var			Model VM613R	IADC Cod M424	es		Serial Number	tr Length (m				
Nozzles (ı		12.0/12.0			Fluid Area (nozzle			IADC Bit Dull						
String Ler	igth (m)			Weight o	f String in Air (dal		7,696	BHA ROP (m	n/hr)	20				
String Co			1,232.52								<u>-</u>			
		, LXM, G2 Dyr P, Drill Pipe	nadrill, Floa	at Sub,	UXM, DPM,	Xover, HDS1	, HDS	S2 Xover, I	HDS2, NMD	C, HWDP,				
) Param													
Wellbore Branch		Start Depth (mKB) 600.00	End Depth (n 1,05		um Depth (m) 935.00	Drilling Time (hr)	Cum	Drill Time (7.00	Int ROP (m/hr)	Q Flow (m³/min) 350.00				
WOB (dal	N) F	RPM (rpm)	SPP (bars)			PU Str Wt (daN)	SO S		Drilling Torque	Off Btm Tq	Ťl			
	8 1, Later a	120 al												
Bit Run 4	Size (mm	Make 155.6 Var			Model VM613R	IADC Cod M424	es		Serial Number	Length (m				
Nozzles (12.0/12.0			Fluid Area (nozzle			IADC Bit Dull		_	1			
String Ler			1	565 Weight o	f String in Air (dal	N)		BHA ROP (m	ı/hr)		\dashv			
String Co	mnononto		1,232.52			27	7,696			20	.0			
Varel V	M613R	, LXM, G2 Dyn P, Drill Pipe	nadrill, Floa	at Sub,	UXM, DPM,	Xover, HDS1	, HDS	S2 Xover, I	HDS2, NMD	C, HWDP,				
	Param	-									$\exists I$			
Wellbore Branch	- 19		End Depth (n		um Depth (m) 935.00	Drilling Time (hr)	Cum	Drill Time (7.00	Int ROP (m/hr)	Q Flow (m³/min 350.00				
WOB (dal	N) F		SPP (bars)			PU Str Wt (daN)	SO S		Drilling Torque	Off Btm Tq	<u>"</u>			
	8	120									\dashv			
SURVE	Y DAT	Date		M	D (mKB)	Incl (°)		Azm	(°)	TVD (mKB)	4			
		Date		IVI	D (IIIID)	mor()		AZII		TVD (IIIKD)	7			
Underr	eaming	Intervals	•						•					
	(mKB)	Btm (mKB)	OD	(mm)				Com						



ALL DEPTHS REFERENCE MD KB

Report Start Date: 27/12/2012 Report #: 20.0 Days From Spud: 15.00

CASING STRINGS Set Depth Csg Des OD (mm) Surface 244.5 Intermediate 177.8 648.67

Well Name:	PD120A			
API/UWI	Field Name	State/Province	Country	WBS Code
BPD12001	Peak Downs	Queensland	Australia	C.A5.BPD.AD.12.001 .12101
Well Type	Well Configuration Type	Spud Date	Rig Release Date	Start Date
SIS Lateral		13/12/2012 00:00	10/01/2013 09:00	8/12/2012 16:00

DAILY OPERATIONS			
Most Likely Duration (no plan chan	Original KB Elevation (m)	Ground Elevation (m)	KB-Ground Distance (m)
12.17	227.67	223.77	3.90
Target Depth (mKB)	Total Depth (mKB)	End Depth (mKB)	Depth Progress (m)
1,562.00	1,546.63	1,096.64	212.66
Rig (Names)	Weather	Latitude (°)	Longitude (°)
Nitro Drilling NitroD1	Fine	22° 13' 6.832" S	148° 15' 55.608" E
Operations Summary			

Drill from 1,048m rkb to1062.69m rkb low side side track. POOH to 1000.61mrkb. Wait on decision from town. Side track from 1,005m rkb to 1,010.05m rkb. Drill directional hole from 1,010m rkb to 1,096.64m rkb

Operations Next Report Period Continue to drill to TD.

Operations at 6:00

Cont to drill 6 1/8 hole per d,d programme, @ 1109m RKB

Having problems trying to slide.

HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY								
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com	
00:00	06:00	6.00		In Seam	1,062. 69	DRL	Low side side track 6 1/8 assy fr 1048m rkb to 1062.69m rkb	
06:00	06:30	0.50		In Seam	1,000. 61	TRI	P.O.O.H fr 1062.69 to 1000.61m rkb	
06:30	07:15	0.75	Yes	In Seam	1,000. 61	STB	Wait on client decision	
07:15	09:30	2.25		In Seam	1,010. 05	DRL	Side track fr 1005 to 1010.05m RKB	
09:30	00:00	14.50		In Seam	1,096. 64	DRL	Dill ahead with 6 1/8 assy fr 1010.05m to 1096.64m rkb	

HOUR	HOURLY OPERATIONS SUMMARY 00:00 TO 6:00 OF THE NEXT REPORTING DAY								
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com		
00:00	02:30	2.50		In Seam	1,106. 82	DRL	Drill 6 1/8" directional hole. Unable to get any penetration while trying to slide.		
02:30	03:30	1.00		In Seam	1,106. 82	TRI	Flow check and pull out and lay out 9 singles of drill pipe and pick up 9 jts of heavy weight drill pipe		
03:30	16:00	12.50		In Seam	1,208. 00	DRL	Continue drilling 6 1/8" directional hole 1,106m rkb to 1208.mrkb		

MUD PROPERTIES				
Туре	Time	Depth (mKB)	Dens (sg(h2o))	Vis (days/m³)
Potassium Base	06:00	1,062.00	9.200	41
Potassium Base	11:00	1,031.00	9.200	41
Potassium Base	18:00	1,077.00	9.500	42
Potaccium Raco	23.30	1 006 00	9.400	40

	INPI		
ì	Activity	Start Date	End Date
	Waiting on - programme / decisions	27/12/2012 06:30	27/12/2012 07:15
	Comment		

MIID	USED	

Wait on decesion from town.

Des	Units	Vendor	Rec	Consumed	On Loc	Daily Field Est (Cost)
AusDex	sacks			1.0	116.0	, ,
Biocide	L		19.0		19.0	
Calcium Chloride			1.0		1.0	
Cement			48.0	13.0	35.0	
Citirc Acid			9.0		9.0	
Claymaster			5.0	1.0	4.0	
Defoamer	L		6.0	2.0	4.0	
Ezee PAC R			24.0	8.0	16.0	
Frac seal coarse			10.0	1.0	9.0	
Frac seal Fine			9.0		9.0	
FS 2000 Liquid Polymer			4.0		4.0	
Inhibiseam			5.0		5.0	
KCL	sacks		569.0	10.0	534.0	

CUM TIMELOG by OPE	RATION	IS
Code 1	Dur (hr)	Cum Dur (hr)
DRILL		157.25
STANDBY	0.75	108.00
WORKTIME	0.50	135.25
MOVE	0.00	59.75
SAFETY	0.00	3.75

1	DAILY CONTACTS	
4	Job Contact	Title
	Robert Craig	Drilling Supervisor
1	Jeff Wilkinson	Drilling Superintdnt
	Mohammad Rahman	Well Engineer
	John Davidson	Drilling Supervisor

SAFETY CHECK S	SUMMARY	
Туре	Last Date	# Occur
BOP Drill		
Toolbox	27/12/2012	2
Weekly safety		
Meeting both		
crews		
Weekly safety meeting both crews.		

SAFETT UBSERVATIONS									
	Company		#						
Safety Stats	Type	Company	Rp						
OL A B A	0	N I i to a	$\overline{}$						

PERSONNE	EL LOG SUN	MARY	
SLAM	Contractor	Nitro Drilling	26
Safety Stats	Туре	Company	Rpts

туре	Count	Hrs (hr)	Hrs (hr)			
	17	204.00	204.00			
SAFETY CHE	CKS 1	ODAY				
Туре		Da	ate			
Toolbox		27/12/2012				

Toolbox

372.8

Reg Work Tot Work

27/12/2012

MUD PUMP										
# 1, Shandong Qingneng Power Co,										
Pwr (kW)		Rod Dia	(mm)	Stro	ke (mm)					
	2.8		50.8		187.3					
Liner Size (m	m)		Vol/Stk OR (m³/stk)							
127.0			0.007							
P (bars)	Slov	v Spd	Strokes	(s	Eff (%)					
20.7	Ye	s	30 95							
# 2 , Dezhou L&A Petroleum Machin										
Pwr (kW) Rod Dia (mm) Stroke (mm)										

50.8 Report Printed: 24/01/2013

152.4

Page 1/3



ALL DEPTHS REFERENCE MD KB

Report Start Date: 27/12/2012

Report #: 20.0 Days From Spud: 15.00

Report Printed: 24/01/2013

Liner Size (r	nm)	Vol/Stk OR (m³/stk)					
114.3		0.005					
P (bars)	Slow Spd	Strokes (s	Eff (%)				

													Daily Field
MOD	Des		Units		Ven	dor	Rec	_	Const	umed	On Loc		Est (Cost
M.O.P	٨						4	1.0				3.0	
Quick gel Gold Residrill	u ————————————————————————————————————	-	noko				4.5					1.0	
			acks				10	9.0		2.0	159		
Residrill			acks				_	0 0		3.0	156		
Soda Ash	D. mands = = : 1 :	Sa	acks				3	5.0				9.0	
Sodium Acid F	-yrophosate							5.0				5.0	
Solumop								2.0			192		
XanBore		sa	acks				- 6	7.0		5.0	6	1.0	
Job Supplies													
S	upply Item Des		Un	it Label		Vendor		R	eceived		Consumed		Cum On Lo
DRILL STRIN	G AND BIT IN	FORMA	TION										
BHA #3, Late	ral												
Bit Run Size (m	,			Model		IADC C					Number		Length (m
Nozzles (mm)	155.6 Var	el	Dit Ta	VM61 tal Fluid Are		M424		IADO	Bit Dull	400	1684		0.2
Nozzies (mm) 12.0/12.0/12.0)/12.0/12.0		565	ıaı ı lulü Afi	ca (110ZZI	50) (IIIIII ⁻)			ייני Dull				
String Length (m)			Weigh	nt of String	in Air (dal	N)			ROP (m	/hr)			
Obder of C		1,232.5	2				27,696						20
String Components Varel VM613F	s R, LXM, G2 Dyr	nadrill F	loat Si	ıb. UXM	. DPM	Xover HD	S1. HD9	S2 X	over I	HDS2	NMDC	. HV	VDP
Drill Pipe, HW			.541 01	, U/NIVI	, ۱۷۱, اپ		٠, ١١٥٠)_ /\(Oi, I	.502,	,	, , , , ,	,
Drilling Parar	· ·												
Wellbore	Start Depth (mKB)		n (mKB)		` '	Drilling Time (h	r) Cum	Drill T	ime (Int ROF	(m/hr)	QF	low (m³/min
Sidetrack 2	1,048.00	,	062.69		949.69	_	00		13.00	- ····	2.4		350.00
WOB (daN)	RPM (rpm) 120	SPP (bars	5)	Drill Str W	t (daN)	PU Str Wt (dal	ı) SOS	str Wt (daN)	Drilling	Torque	Off	Btm Tq
Wellbore	Start Depth (mKB)	End Depti	n (mKB)	Cum Dept	th (m)	Drilling Time (h	r) Cum	Drill T	ime (Int ROF	(m/hr)	QF	low (m³/min
Sidetrack 2	1,005.00	1,0	010.05	, i	954.74	2.	25	•	15.25		2.2	2	350.00
WOB (daN)	RPM (rpm) 120	SPP (bars	5)	Drill Str W	t (daN)	PU Str Wt (dal	I) SOS	tr Wt (daN)	Drilling	Torque	Off	Btm Tq
Wellbore	Start Depth (mKB)	End Depth	n (mKB)	Cum Dept	th (m)	Drilling Time (h	r) Cum	Drill T	ime (Int ROF	(m/hr)	Q F	low (m³/min
Original Hole	1,010.05	1,0	096.64	1,0	041.33	14.	50	2	29.75		6.0		350.00
WOB (daN)	RPM (rpm)	SPP (bars	5)	Drill Str W	t (daN)	PU Str Wt (dal	I) SOS	tr Wt (daN)	Drilling	Torque	Off	Btm Tq
3,559	45												
												L	
BHA #4, Late	ral	Δ		Model		TIADO O	odes			Serie	Number		enath (~
BHA #4, Late	ral			Model VM61	3R	IADC C					l Number 1684		Length (m
BHA #4, Late Bit Run Size (m 4	ral m) Mak 155.6 Var					M424		IADC	Bit Dull	400			
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0	ral m) Mak 155.6 Var		565	VM61 tal Fluid Are	ea (nozzle	M424 es) (mm²)				400			
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0	ral m) Mak 155.6 Var		565 Weigh	VM61	ea (nozzle	M424 es) (mm²)		BHA	Bit Dull ROP (m	400			
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m)	nm) 155.6 Var 157.0/12.0/12.0	1,232.5	565 Weigh	VM61 tal Fluid Are	ea (nozzle	M424 es) (mm²)	27,696	BHA	ROP (m	400 n/hr)	1684		20
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F	ral Mak Mak Var 155.6 Var 1,232.5	565 Weigh	VM61 tal Fluid Are	ea (nozzle	M424 es) (mm²)	27,696	BHA	ROP (m	400 n/hr)	1684	, HV	20	
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW	nn) 155.6 Var 155.6 Var 0/12.0/12.0 8 R, LXM, G2 Dyr DP, Drill Pipe	1,232.5	565 Weigh	VM61 tal Fluid Are	ea (nozzle	M424 es) (mm²)	27,696	BHA	ROP (m	400 n/hr)	1684	, HV	20
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar	ral 155.6 Make Var 0/12.0/12.0 R, LXM, G2 Dyr DP, Drill Pipe meters	1,232.5 nadrill, F	565 Weigh 2	VM61 tal Fluid And that of String Lub, UXM	in Air (dal	M424 es) (mm²) N) Xover, HD3	27,696 S1, HD\$	ВНА В2 X0	ROP (m	400 /hr) HDS2,	, NMDC		20 VDP,
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore	ral m) 155.6 Var 0/12.0/12.0 R, LXM, G2 Dyt DP, Drill Pipe neters Start Depth (mKB)	1,232.5 nadrill, F	565 Weigh 2	VM61 tal Fluid Are	in Air (dal	M424 es) (mm²) N) Xover, HDS Drilling Time (h	27,696 S1, HDS	BHA	ROP (m	400 n/hr)	, NMDC	QF	20 VDP,
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN)	m) Make Var 155.6 Var 155.	1,232.5 nadrill, F	565 Weight Toat Su (mKB) 062.69	VM61 tal Fluid And tof String ub, UXM	in Air (dal l, DPM, th (m) 949.69	M424 es) (mm²) N) Xover, HDS Drilling Time (h	27,696 S1, HDS	BHA	ROP (m	400 /hr) HDS2,	, NMDC	QF	20 VDP,
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8	ral m) 155.6 Var 155.6 Var 0/12.0/12.0 R, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120	1,232.5 nadrill, F End Deptil 1,(565 Weight 2 Float Su 1 (mKB) 062.69	VM61 tal Fluid Ard tof String ub, UXM Cum Dept	in Air (dal in DPM, th (m) 949.69	M424 es) (mm²) N) Xover, HD3 Drilling Time (h 6. PU Str Wt (daN	27,696 S1, HDS r) Cum 00	BHA S2 X0 Drill T	ROP (m	400 /hr) HDS2, Int ROF	, NMDC	Q F	20 VDP,
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore	m) 155.6 Var 155.6 Var 0/12.0/12.0 R, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 120 Start Depth (mKB)	1,232.5 nadrill, F End Deptt 1,0 SPP (bars	565 Weight 2 Hoat Su 1 (mKB) 062.69	VM61 tal Fluid And of String Jb, UXM Cum Depti S Drill Str W	ea (nozzle in Air (dal I, DPM, th (m) 949.69 't (daN) th (m)	M424 es) (mm²) N) Xover, HD3 Drilling Time (h 6. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 d) S0 S	BHA S2 X0 Drill T	ROP (m over, I ime (13.00 daN)	400 /hr) HDS2,	, NMDC 2 (m/hr) 2.4 Torque	Q F Off	20 VDP, 350.00 Btm Tq
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2	ral m) 155.6 Var 155.6 Var 0/12.0/12.0 R, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120	1,232.5 nadrill, F End Deptt 1,0 SPP (bars	565 Weigh 2 Cloat Su 1 (mKB) 062.69 5)	VM61 tal Fluid And of String Jb, UXM Cum Depti S Drill Str W	ea (nozzk in Air (dai I, DPM, th (m) 949.69 ft (daN) th (m) 954.74	M424 es) (mm²) N) Xover, HD3 Drilling Time (h 6. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 I) SOS r) Cum 25	BHA S2 X0 Drill T	ROP (m over, I ime (13.00 daN) ime (400 /hr) HDS2, Int ROF	, NMDC 2 (m/hr) 2.4 Torque 2 (m/hr) 2.2	Q F Off	20 VDP,
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8	ral m) 155.6 Make 155.6 Var 0/12.0/12.0 RA, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120 RPM (rpm) 120 RPM (rpm) 120	1,232.5 nadrill, F End Depti 1,(SPP (bars	565 Weight 2 Float Su (mKB) 062.69 F) 010.05	VM61 tal Fluid An at of String Jb, UXM Cum Dept S Drill Str W	in Air (dal in Air (dal in DPM, th (m) 949.69 ft (daN) th (m) 954.74 ft (daN)	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dan) Drilling Time (h 2. PU Str Wt (dan)	27,696 S1, HDS r) Cum 00 l) SOS r) Cum 25	Drill T	ROP (m bover, I ime (13.00 daN) ime (15.25 daN)	Int ROF Drilling Drilling	, NMDC 2 (m/hr) 2.4 Torque 2 (m/hr) 2.2 Torque	Q F	20 VDP,
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore 8 Wellbore 8 Wellbore 8 Wellbore 8 Wellbore 8	ral m) 155.6 Var 155.6 Var 0/12.0/12.0 R, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120 Start Depth (mKB) 1,005.00 RPM (rpm) 120 Start Depth (mKB) 120 Start Depth (mKB) 120 Start Depth (mKB)	End Depti 1,232.5 nadrill, F End Depti 1,0 SPP (bars	565 Weight 2	VM61 tal Fluid An at of String Jb, UXM Cum Dept S Drill Str W Cum Dept	ea (nozzle in Air (dal I, DPM, th (m) 949.69 ft (daN) th (m) 954.74 ft (daN)	M424 es) (mm²) N) Xover, HDS Drilling Time (h 6. PU Str Wt (dan 2. PU Str Wt (dan) Drilling Time (h	27,696 S1, HDS r) Cum 00 l) SO S r) Cum 25 l) SO S	Drill T	ROP (m bover, I ime (13.00 daN) ime (ime (Int ROF	, NMDC, (m/hr) 2.4 Torque 2.2 Torque	Q F Off Q F Q F	20 VDP, Flow (m³/min 350.00 Btm Tq 350.00 Btm Tq Flow (m³/min 350.00 Flow Tq
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole	ral m) 155.6 Make 155.6 Var 0/12.0/12.0 RA, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120 RPM (rpm) 120 RPM (rpm) 120	End Depti 1,432.5 nadrill, F End Depti 1,0 SPP (bars End Depti 1,1	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	VM61 tal Fluid An at of String Jb, UXM Cum Dept S Drill Str W Cum Dept	th (m) 954.74 (f (daN) th (m) 041.33	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 2. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 i) S0 S r) Cum 25 r) Cum 50 Cum	BHA S2 X Drill T Drill T Drill T Z	ROP (m Dover, I ime (13.00 daN) ime (15.25 daN)	Int ROF Drilling Drilling	, NMDC. P (m/hr) 2.4 Torque P (m/hr) 2.2 Torque P (m/hr) 6.0	Off Off	20 VDP,
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole	m) Make Var 155.6 Var 155.	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	VM61 tal Fluid An at of String ub, UXM Cum Dept S Drill Str W Cum Dept 1,	th (m) 954.74 (f (daN) th (m) 041.33	M424 es) (mm²) N) Xover, HDS Drilling Time (h 6. PU Str Wt (dan 2. PU Str Wt (dan Drilling Time (h 14.	27,696 S1, HDS r) Cum 00 i) S0 S r) Cum 25 r) Cum 50 Cum	Drill T	ROP (m Dover, I ime (13.00 daN) ime (15.25 daN)	400	, NMDC. P (m/hr) 2.4 Torque P (m/hr) 2.2 Torque P (m/hr) 6.0	Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq 350.00 Btm Tq Flow (m³/min 350.00 Flow Tq
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559	ral m) 155.6 Make 155.6 Var 0/12.0/12.0 R, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120 Start Depth (mKB) 1,005.00 RPM (rpm) 120 Start Depth (mKB) 1,010.05 RPM (rpm) 45	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	VM61 tal Fluid An at of String ub, UXM Cum Dept S Drill Str W Cum Dept 1,	th (m) 954.74 (ft (daN) th (m) 041.33	M424 es) (mm²) N) Xover, HDS Drilling Time (h 6. PU Str Wt (dan 2. PU Str Wt (dan Drilling Time (h 14.	27,696 S1, HDS r) Cum 00 i) S0 S r) Cum 25 r) Cum 50 Cum	BHA S2 X Drill T Drill T Drill T Z	ROP (m Dover, I ime (13.00 daN) ime (15.25 daN)	400	, NMDC. P (m/hr) 2.4 Torque P (m/hr) 2.2 Torque P (m/hr) 6.0	Off Off	20 VDP,
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559	ral m) 155.6 Make 155.6 Var 0/12.0/12.0 R, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120 Start Depth (mKB) 1,005.00 RPM (rpm) 120 Start Depth (mKB) 1,010.05 RPM (rpm) 45	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	VM61 tal Fluid An at of String Jb, UXM Cum Dept (S) Drill Str W Cum Dept 1,0 Drill Str W	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN)	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 1) SOS r) Cum 25 r) Cum 25 r) Cum 30 SOS	BHA S2 X Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	400 400 400 HDS2, HDS2	, NMDC. P (m/hr) 2.4 Torque P (m/hr) 2.2 Torque P (m/hr) 6.0	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run Size (m 4 Size (m 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559 SURVEY DAT	ral m) 155.6 Mak 155.6 Var 0/12.0/12.0 R, LXM, G2 Dyr DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120 Start Depth (mKB) 1,005.00 RPM (rpm) 120 Start Depth (mKB) 4,010.05 RPM (rpm) 45 TA Date	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	VM61 tal Fluid An at of String ub, UXM Cum Dept (S) Drill Str W Cum Dept 1,1 Drill Str W	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN)	M424 es) (mm²) N) Xover, HDS Drilling Time (h 6. PU Str Wt (dan 2. PU Str Wt (dan Drilling Time (h 14.	27,696 S1, HDS r) Cum 00 1) SOS r) Cum 25 r) Cum 25 r) Cum 30 SOS	BHA S2 Xo Drill T Drill T Drill T Z	ROP (m Dover, I ime (13.00 daN) ime (15.25 daN)	400 400 400 HDS2, HDS2	, NMDC (m/hr) 2.4 Torque 2.2 Torque 6.C (m/hr) 6.C Torque	QF Off Off Off	20 VDP,
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559 SURVEY DAT	Tal Mak Var	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid An at of String Lib, UXM Cum Dept S Drill Str W Cum Dept 1,0 Drill Str W	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN) th (m) 041.33 (t (daN) th (m) 043.33 (t (daN) th (M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 l) SO S r) Cum 50 SO S	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	HDS2, Int ROF Drilling Int ROF Drilling Int ROF	, NMDC (m/hr) 2.4 Torque 2 (m/hr) 6.0 Torque 43	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559 SURVEY DAT 27/12/2012 12	Tal Mak Var	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid An at of String Jb, UXM Cum Dept (S) Drill Str W Cum Dept 1,1, Drill Str W	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN) 174.20	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 l) SO S r) Cum 25 r) Cum 30 SO S 80.28 80.37	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	400 400 400 HDS2, Int ROF Drilling Int ROF Drilling Int ROF Drilling 117. 117.	, NMDC 2.4 Torque 2.2 Torque 2 (m/hr) 2.2 Torque 43 38	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559 SURVEY DAT 27/12/2012 12 27/12/2012 23	Tal m) 155.6 Make Var 0/12.0/12.0 R, LXM, G2 Dyt DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120 Start Depth (mKB) 1,005.00 RPM (rpm) 45 TA	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid An at of String Jb, UXM Cum Dept (S) Drill Str W Cum Dept 1, () Drill Str W MD (mKE 1,0 1,0 1,0	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN) 074.20 (83.50)	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 l) SOS r) Cum 25 l) SOS r) Cum 80.28 80.28 80.37	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	400 400 400 HDS2, HDS2	7 (m/hr) 2.4 Torque 2 (m/hr) 2.2 Torque 3 (m/hr) 6.0 Torque	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559 SURVEY DAT 27/12/2012 12 27/12/2012 23 27/12/2012 23	Tal	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid An at of String Lib, UXM Cum Dept S Drill Str W Cum Dept S Drill Str W Cum Dept 1,0 1,0 1,0 1,0	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN) 174.20 (83.50)90.60	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 so s r) Cum 25 so s r) Cum 30 so s 80.28 80.37 80.55 80.72	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	Int ROF Drilling Int ROF Drilling Int ROF 117. 117.	7 (m/hr) 2.4 Torque 2 (m/hr) 2.2 Torque 3 (m/hr) 6.0 Torque 43 38 28 42	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 8 Wellbore Original Hole WOB (daN) 9 SURVEY DAT 27/12/2012 12 27/12/2012 23 27/12/2012 23 27/12/2012 23	Tal	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid And tof String ab, UXM Cum Depti S Drill Str W Cum Depti 1,0 1,0 1,0 1,0	th (m) 949.69 (t (daN) (t (daN	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 (i) SO S r) Cum 25 (ii) SO S (iii) SO S 80.28 80.37 80.55 80.72 81.25	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	Int ROF Drilling Int ROF Drilling Int ROF 117. 117. 117.	7 (m/hr) 2.4 Torque 2 (m/hr) 2.2 Torque 3 (m/hr) 6.0 Torque 43 38 28 42 85	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559 SURVEY DAT 27/12/2012 12 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23	Tal min 155.6 Make Var 155.6 V	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid An at of String Lib, UXM Cum Depti S Drill Str W Cum Depti S Drill Str W MD (mKE 1,0 1,0 1,0 1,1	th (m) 949.69 (t (daN) (t (daN	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 (i) SO S r) Cum 50 (ii) SO S 80.28 80.37 80.55 80.72 81.25 82.57	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	Int ROF Drilling Int ROF Drilling Int ROF 117. 117. 117.	1684 , NMDC 2.4 Torque 2 (m/hr) 2.2 Torque 3 (m/hr) 6.C Torque 43 38 28 42 85 88	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 2 7/12/2012 12 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23	Tal Make Var 155.6 V	End Depti 1,1,232.5 End Depti 1,1,1 SPP (bars End Depti 1,1,1 SPP (bars	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid And tof String Lib, UXM Cum Depti S Drill Str W Cum Depti S Drill Str W MD (mKE 1,0 1,0 1,0 1,1 1,1	ea (nozzle in Air (dal in Air (dal i, DPM, th (m) 949.69 ft (daN) th (m) 954.74 ft (daN) th (m) 041.33 ft (daN) 964.60 974.20 983.50 99.90 99.90 19.10	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 (i) SO S r) Cum 25 (ii) SO S 80.28 80.37 80.55 80.72 81.25 82.57 84.06	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	Int ROF Drilling Int ROF Drilling Int ROF 117. 117. 117. 117.	1684 , NMDC 2.4 Torque 7 (m/hr) 2.2 Torque 6.0 Torque 43 38 28 42 85 88 52	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run Size (m 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559 SURVEY DAT 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23	Tal m) 155.6 Make Var 0/12.0/12.0 R, LXM, G2 Dyt DP, Drill Pipe meters Start Depth (mKB) 1,048.00 RPM (rpm) 120 Start Depth (mKB) 1,005.00 RPM (rpm) 120 Start Depth (mKB) 1,010.05 RPM (rpm) 45 TA	End Depti 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid And tal Fluid A	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN) 174.20 183.50 199.90 19.10 28.70	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 30 SO S r) Cum 25 30 Cum 50 SO S 80.28 80.37 80.55 80.72 81.25 82.57 84.06 85.91	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	400 400 400 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	1684 , NMDC 2.4 Torque 2.7 Torque 2.7 Torque 3.8 3.8 2.8 4.2 8.5 8.8 5.2 9.6	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Original Hole WOB (daN) 3,559 SURVEY DAT 27/12/2012 22 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23	Tal m) 155.6 Make North Table 155.6 Var 15	End Depti 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid An at of String Lib, UXM Cum Dept S Drill Str W Cum Dept 1,0 Drill Str W MD (mKE 1,0 1,0 1,0 1,1,1 1,1 1,1	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN) 174.20 183.50 199.90 199.90 38.40 184.70 38.40	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 l) SO S r) Cum 25 l) SO S 80.28 80.37 80.55 80.72 81.25 82.57 84.06 85.91 87.41	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	400 400 400 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	1684 , NMDC C (m/hr) 2.4 Torque C (m/hr) 6.0 Torque 43 38 28 42 85 88 52 96 00	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq
BHA #4, Late Bit Run 4 Nozzles (mm) 12.0/12.0/12.0 String Length (m) String Components Varel VM613F Drill Pipe, HW Drilling Parar Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 WOB (daN) 8 Wellbore Sidetrack 2 2 7/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23 27/12/2012 23	ral m) 155.6 Make Normal Normal Make Norma	End Depti 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	565 Weight 2 Cloat St 1 (mKB) 062.69 (c) 1 (mKB) 010.05 (c) 1 (mKB)	WM61 tal Fluid An at of String Lib, UXM Cum Dept S Drill Str W Cum Dept 1,0 Drill Str W MD (mKE 1,0 1,0 1,0 1,1 1,1 1,1 1,1 1,1	th (m) 949.69 (t (daN) th (m) 041.33 (t (daN) 174.20 183.50 199.90 19.10 28.70	M424 es) (mm²) N) Xover, HD: Drilling Time (h 6. PU Str Wt (dah Drilling Time (h 14. PU Str Wt (dah	27,696 S1, HDS r) Cum 00 30 SO S r) Cum 25 30 Cum 50 SO S 80.28 80.37 80.55 80.72 81.25 82.57 84.06 85.91	BHA S2 Xo Drill T Drill T Drill T Z	ROP (mover, I lime (13.00 daN) lime (15.25 daN)	400 400 400 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	1684 , NMDC C (m/hr) 2.4 Torque C (m/hr) 6.0 Torque 43 38 28 42 85 88 52 96 00 43	QF Off Off Off	20 VDP, Flow (m³/min 350.00 Btm Tq



ALL DEPTHS REFERENCE MD KB

Report Start Date: 27/12/2012

Report #: 20.0 Days From Spud: 15.00

SURVEY DATA									
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)					
27/12/2012 23:45	1,167.20	88.81	117.65						
27/12/2012 23:45	1,176.70	88.72	116.83						
27/12/2012 23:45	1,186.20	89.25	117.27						

Underreaming Intervals								
Top (mKB)	Btm (mKB)	OD (mm)	Com					

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KCL

sacks

Daily Drilling Report

ALL DEPTHS REFERENCE MD KB

Report Start Date: 28/12/2012

Report #: 21.0 Days From Spud: 16.00

64.73

Cum Dur (hr) 178.75

1.50 109.50

CASING STRINGS									
Csg Des	OD (mm)	Set Depth (mKB)							
Surface	244.5	69.10							
Intermediate	177.8	648.67							

CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)
Surface	244.5	69.10
Intermediate	177.8	648.67

API/UWI BPD12			Field N Peak	ame Downs		ate/Province ueenslan		Country Australia			WBS Code C.A5.BPD.	AD.12.001	CASING S	TRIN	IGS		Set D
											.12101		Csg [es		OD (mm)	(mł
Well Type SIS La			Well Co	onfiguration Typ	e Sp	ud Date 13/12/20	12 00:00	Rig Release D 10/01/20	^{ate})13 09:00		Start Date 8/12/20	12 16:00	Surface Intermedia			244.5 177.8	64
		ATIONS											Intermedia	.e		177.0	04
		on (no plan	chan 12.17	Original KB Ele	vation (m)	227.67	Ground Elevat		23.77 KB	-Grou	und Distance (i	m) 3.90					
Farget D	epth (mKB	3)	62.00	Total Depth (m	,		End Depth (ml	KB)	De	pth Pi	rogress (m)	246.72					
Rig (Nam	nes) Prilling N		002.00	Weather Storms		1,546.63	Latitude (°)	22° 13' 6.8		ngitud		5' 55.608" E					
Operation	ns Summa	ary			1. 1	1. 1 1.	-11-1		I								
drill dip decisio	e.Pick	up 9 join town on	ts of h coordi	1106.82m, eavy weight nates. Cont	drill pipe	e. Continu	ie to drill 6	1/8" direction	nal hole to								
Contin	ue to dr	eport Period rill to TD.	1										CUM TIME	LOC	by C	PERATI	ONS
Drilling		direction	al hole	e @ 1221.5n	n Sliding								Co	ode 1		Dur (h	hr) Cu
Remarks Havinc		ms tryino	to sli	de move HV	VDP bac	k to surfa	ce.						DRILL				50 17
HOUR	LY OPE	ERATION	NS SU	MMARY 00:	:00 TO 2	4:00 OF	THE REPO	RTING DAY	,				STANDBY	—		1.5	50 10
Start	End		Proble		End Depth												
Time 00:00	Time 02:30	Dur (hr)	m?	Phase In Seam	(mKB)	Activity		" directional	Com		to get any	/	WORKTIM	E		1.0	00 13
		2.50			8:		penetration	on while tryii	ng to slide	e.			MOVE			0.0	00 5
02:30	03:30	1.00		In Seam	1,106			ck and pull o					SAFETY	_		0.0	00
03:30	16:00	12.50		In Seam	1,208		Continue	drilling 6 1/8	•				DAILY CO			1	Titl-
16:00	47:00	4.50	V-:	In Coor	1 200	-	1208.mrk		handl-	a'	ologie e e e	ait	Job Co Robert Cra			Drilling	Title
16:00	17:30	1.50	Yes	In Seam	1,208			ck break out ns from tow					In # \A/:II.im			Supervi	sor
17.00		0.50			1.000	100							Jeff Wilkins	ion		Drilling Superin	tdnt
17:30	00:00	6.50		In Seam	1,220		to 1220m	to drill 6 1/8 rkb	" directio	nal h	nole from 1	208m kb	Mohamma	d		Well En	gineer
HOUR	LY OPE	ERATION	NS SU	MMARY 00	:00 TO 6	:00 OF T	HE NEXT F	REPORTING	DAY				Rahman John David	son		Drilling	
Start	End		Proble		End Depth											Supervi	sor
Time 00:00	Time 00:45	Dur (hr)	m?	Phase In Seam	(mKB)	Activity		ouble trying	Com	ınah	lo to got w	oight to	SAFETY C		K SU		
JU.UU	00.45	0.75		III Sealii	1,220		bit becau	se can not p	oush with	the	drill pipe a	s it is	BOP Drill			Last Date	# (
								ı derrick. Flo e and 14 HV					Toolbox		2	8/12/201	2
								e and 11 H ^o n surface for		l kee	ep 3 single	s of	Weekly saf	otv			_
00:45	01:00	0.25		In Seam	1,220). RSV	Rig servi		Silding.				Meeting bo				
					0	0							crews Weekly saf	etv	-		-
01:00	01:30	0.50	Yes	In Seam	1,220		Rig repai	rs. Repair hy	ydrulic raı	m or	n pipe arm.		meeting bo				
01:30	04:00	2.50		In Seam	1,220	l l	Continue	to change o	out drill pi	ре а	ind HWDP		crews.				
04:00	04:30	0.50		In Seam	1,220		Fill nine a	and circulate	Get tool	l fac	e for sliding	n	SAFETY O		Compan		
					0	0						-	Safety Stats HAZOBS		Type ntract	Con	npany
04:30	12:00	7.50		In Seam	1,232 5			to drill 6 1/8 2 m rkb, Ha								Drillir	ng
							building a		5 7100				SLAM	Co	ntract	or Nitro Drillir	
MUD F	ROPE	RTIES											PERSONN	EL I	_0G S		
Potass	Type ium Ba	se	07:30	Time		Depth	(mKB) 1,110.00		sg(h2o)) 1.1	02	Vis (da	ays/m³)	Туре		Count	Reg Work	Tot '
	ium Ba		14:00)			1,170.00		1.1			0	Type		23	Hrs (hr) 276.00	Hrs
	ium Ba		22:00				1,218.00		1.1			0	SAFETY C	HEC	KS T	ODAY	
	ium Ba	se	23:45)			1,219.70		1.1	14		0	Typ Toolbox	е		28/12/20	Date 12
NPT Activity							Start Date		End	d Date	e		Toolbox			28/12/20 28/12/20	
,		rogramn	ne / de	cisions				/2012 16:00			8/12/2012	17:30	MUD PUM	Р			
		ion from	town	about hole o	coordinat	es							#1, Shan	don			
MUD (JSED												Pwr (kW) 372	2.8	od Dia (50.8	roke (mr
		Des			iits	Ver	ıdor	Rec	Consume		On Loc	Daily Field Est (Cost)	Liner Size (mm)		Vol/Stk OR ((m³/stk)
AusDe	Х			sacks	3				1	0.	115.0			Slow S		Strokes (s	. Eff (%

WORKTIME	E				1.00	13	6.25	
MOVE					0.00) 5	9.75	
SAFETY					0.00		3.75	
DAILY CON	NT/							
Job Co			Т		Tit	:le		
Robert Crai	g			rillin upe	g rvisc	or		
Jeff Wilkins	on			rillin upe	g rintd	nt		
Mohammad Rahman	t		V	/ell l	Engi	neer		
John David	1	- 1	rillin upe	g rvisc	or			
SAFETY CI	HE	CK S	UMI	MAF	RY			
Туре			La	ast Da	ate	# C	ccur	
BOP Drill								
Toolbox			28/1	12/2		4		
Weekly safe Meeting bot crews								
Weekly safe meeting bot crews.								
SAFETY O	BS	ERV	ATIC	DNS				
Safety Stats		Comp			Compa	anv	# Rpts	
HAZOBS	С	ontra		Nit		urry	3	
SLAM	C	ontra	ctor	, ,			10	
PERSONNI	EL	LOG	SU	MM	ARY			
Туре		Coun	t F	eg Wo	r)	Tot V Hrs	(hr)	
		23	3 2	276.	00	27	6.00	
SAFETY C		CKS	TOE	DAY				
Toolbox	9		20	/12/	Dat 2012			
Toolbox					2012			
			120	, 12/	2012	-		
MUD PUMF					_			
#1, Shan		ng Q Rod Di				wer (
372.		100 01		0.8	Juor		87.3	

SAFETY CHECKS TODAY							
Туре		Date					
Toolbox		28/12/201	2				
Toolbox		28/12/201	2				
MUD PUMP							

	#1, Sha	ndo	ng Qir	ngneng	Po	wer Co,		
1	Pwr (kW)		Rod Dia	(mm)	Stroke (mm)			
ļ	37	2.8		50.8		187.3		
l	Liner Size (m		Vol/Stk OR (m³/stk)					
l	127.0	127.0			0.007			
l	P (bars)	P (bars) Slow S		Spd Strokes (Eff (%)		
1								

Report Printed: 24/01/2013

5.0

Page 1/2

529.0



28/12/2012 23:45

Daily Drilling Report

Report Start Date: 28/12/2012

2 , Dezhou L&A Petroleum Machin

Rod Dia (mm) 50.8

Slow Spd

MUD PUMP

Pwr (kW) 372.8

Liner Size (mm) 114.3

P (bars)

Report #: 21.0 Days From Spud: 16.00

> Vol/Stk OR (m³/stk) 0.005 Strokes (s... Eff (%)

Report Printed: 24/01/2013

Stroke (mm) 152.4

		energy e: PD12	20.4			1	ALL	DEPTH	IS R	EFERE	NCE	MD K	В	
MUD US		e. PD12	1UA											
MIOD O	סבט										-		I D	aily Field
Des						endor		Rec		Consumed		Es	st (Cost)	
				sac							1.0	155.		
XanBore sa			sac	ks						1.0	60.	.0		
Job Su	pplies													
	S	upply Item Des	3		Unit	t Label	١	/endor		Received	(Consumed	Cun	n On Loc
DRILL S	STRIN	G AND BIT	INFO	RMATI	ON									
BHA #3	, Late	ral												
	Size (m	,	Make			Model		IADC Cod	es			l Number	Le	ngth (m)
3		155.6	Varel			VM613R		M424			400	1684		0.20
Nozzles (m 12.0/12.	,	/12.0/12.0			565	al Fluid Area (no:	zzles) (n	nm²)		IADC Bit Dull				
String Length (m) 1,232.52			232.52	Weight of String in Air (daN) BHA ROP (m/hr) 27,696						20.0				
	M613F			drill, Flo	at Su	b, UXM, DPI	M, Xov	er, HDS1	, HDS	S2 Xover, I	HDS2,	NMDC,	HWDI	ο,
Drilling	Paran	neters												
Wellbore						Cum Depth (m)		ng Time (hr)		Drill Time (Int ROP		Q Flow	(m³/min)
Original		1,096			0.00	1,164.6	-	21.50		51.25	.	5.7	0".5	
WOB (daN	3,559	RPM (rpm)	45	P (bars)	76.5	Drill Str Wt (daN	PUS	tr Wt (daN)	150 5	tr Wt (daN)	Drilling	Torque	Off Btm	ıq
BHA #4		ral			70.5									
	Size (m		Make			Model		IADC Cod	es		Seria	l Number	Le	ngth (m)
4		155.6	Varel			VM613R		M424			400	1684		0.20
Nozzles (m 12.0/12	,	/12.0/12.0			Bit Tota 565	al Fluid Area (no:	zzles) (n	nm²)		IADC Bit Dull				
String Leng					Weight	t of String in Air (daN)			BHA ROP (m.	/hr)			
			1,2	232.52				27	7,696					20.0
	M613F			drill, Flo	at Su	b, UXM, DPI	M, Xov	er, HDS1	, HDS	S2 Xover, H	HDS2,	NMDC,	HWDF	ο,
Drilling														
Wellbore Sidetrac		Start Depth (n 1,096	′ I		mKB) 0.00	Cum Depth (m) 1,164.6		ng Time (hr) 21.50	1	Drill Time (51.25	Int ROP	(m/hr) 5.7	Q Flow	(m³/min)
WOB (daN) 3,559	RPM (rpm)	45 SPI	P (bars)	76.5	Drill Str Wt (daN	PU S	tr Wt (daN)	SO S	tr Wt (daN)	Drilling	Torque	Off Btm	Tq
SURVE		.ν			. 0.0									
COILVE	DAI	Date				MD (mKB)		Incl (°)		Azm	(°)		TVD (ml	KB)
28/12/20	012 23					1,195.7			9.52	, (2111	117.		. , 5 (111	/

Underreaming	Underreaming Intervals							
Top (mKB)	Btm (mKB)	OD (mm)	Com					

89.69

116.85

1,205.20



ALL DEPTHS REFERENCE MD KB

Report Start Date: 29/12/2012 Report #: 22.0

Days From Spud: 17.00

1	CASING STRINGS		
	Csg Des	OD (mm)	Set Depth (mKB)
1	Surface	244.5	69.10
l	Intermediate	177.8	648.67

well name:	PD120A			
API/UWI	Field Name	State/Province	Country	WBS Code
BPD12001	Peak Downs	Queensland	Australia	C.A5.BPD.AD.12.001 .12101
Well Type SIS Lateral	Well Configuration Type	Spud Date 13/12/2012 00:00	Rig Release Date 10/01/2013 09:00	Start Date 8/12/2012 16:00

DAILY OPERATIONS									
Most Likely Duration (no plan chan	. Original KB Elevation (m	1)	Ground Elevation	on (m)	KB-Ground Distant	ce (m)			
12.1	7	227.67		223.77		3.90			
Target Depth (mKB)	Total Depth (mKB)		End Depth (mK	(B)	Depth Progress (m)			
1,562.0		1,546.63		1,232.52		25.04			
Rig (Names)	Weather		Latitude (°)		Longitude (°)				
Nitro Drilling NitroD1	Scatterd Clouds.			22° 13' 6.832" S	148°	15' 55.608" E			
Operations Summary									
I Inable to clide move heavy	weight drill nine ar	ound in etri	na Ria servi	ica Dia ranaire Co	ontinue changi	na HWDP			

to slide move heavy weight drill pipe around in string. Rig service.Rig repairs. Continue changing HWDF around in string. Circulate get tool face. Slide. Unable to build angle@ 1232.52m. Circulate flow check POOH to

casing shoe. Perform BOP drill. Flow check and continue to POOH to 175m.

Operations Next Report Period

Side track and continue to drill directional hole to TD

Makeing up 6 1/8" directional BHA and running in hole

Unable to slide and build angle.

Start Time 00:00	End Time 00:45	Dur (hr)	Proble		End		
00:00	00:45		m?	Phase	Depth (mKB)	Activity	Com
		0.75		In Seam	1,220. 00	TRI	Having trouble trying to slide unable to get weight to bit because can not push with the drill pipe as it is bowing in derrick. Flow check and pull out of hole with 6 drill pipe and 14 HWDP. Run in hole with 9 singles of drill pipe and 11 HWDP and keep 3 singles of HWDP on surface for sliding.
00:45	01:00	0.25		In Seam	1,220. 00	RSV	Rig service.
01:00	01:30	0.50	Yes	In Seam	1,220. 00	RMR	Rig repairs. Repair hydrulic ram on pipe arm.
01:30	04:00	2.50		In Seam	1,220. 00	TRI	Continue to change out drill pipe and HWDP
04:00	04:30	0.50		In Seam	1,220. 00	CIR	Fill pipe and circulate. Get tool face for sliding.
04:30	12:00	7.50		In Seam	1,232. 52	DRL	Continue to drill 6 1/8" directional hole from 1220m kb to 1232.52 m rkb, Having problems sliding and building angle.
12:00	13:30	1.50		In Seam	1,232. 52	CIR	Circulate well clean for tripout of hole to change out tools.Fill trip tank.
13:30	20:00	6.50		In Seam	1,232. 52	TRI	Flow check and POOH to shoe.Ream tight sections 980m back to 972m. 710m back to 708m.
20:00	20:15	0.25		In Seam	1,232. 52	SFT	Perform BOP drill at shoe.
20:15	00:00	3.75		In Seam	1,232. 52	TRI	Flow check and continue to POOH to175m
HOUR	LY OPE	RATIO	NS SU	IMMARY 00:	00 TO 6:0	00 OF TH	IE NEXT REPORTING DAY

HOURLY	OPERAI	IONS SUN	IMARY 00:0	0 1O 6:00 C)F HE	: NEXI	REPORTING	DAY

Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com
00:00	01:30	1.50		In Seam	1,232. 52	TRI	POOH from 175m to BHA
01:30	03:30	2.00		In Seam	1,232. 52	BBH	Break out and lay out BHA.
03:30	04:30	1.00		In Seam	1,232. 52		Break out bit and change out LXM tool.Make up bit. Unable to break out bit and LXM tool with rig take to side of lease and break out and make up with power jaw.
04:30	07:00	2.50		In Seam	1,232. 52	BBH	Service directional BHA. Change out mud motor and make up directional BHA, oreint tools

MUD PROPERTIES

Туре	Time	Depth (mKB)	Dens (sg(h2o))	Vis (days/m³)
Potassium Base	06:00	1,221.50	1.102	0
Potassium Base	12:00	1,232.00	1.114	0

NPT

29/12/2012 01:00 Breakdown - Pipe Handling Equipment 29/12/2012 01:30

Repairs on Hydraulic ram on pipe handler. Done tempery fix.

CUM TIMELOG by OPERATIONS							
Code 1	Dur (hr)	Cum Dur (hr)					
WORKTIME	15.50	151.75					
DRILL	7.50	186.25					
MAINTENANCE	0.75	0.75					
SAFETY	0.25	4.00					
MOVE	0.00	59.75					
STANDBY	0.00	109.50					

l	DAILY CONTACTS						
l	Job Contact	Title					
1	Robert Craig	Drilling Supervisor					
1	Jeff Wilkinson	Drilling Superintdnt					
1	Mohammad Rahman	Well Engineer					
1	John Davidson	Drilling Supervisor					
l							

ı	SAFETY CHECK S	UMMARY	
4	Туре	Last Date	# Occur
]	BOP Drill	29/12/2012	1
1	Toolbox	29/12/2012	6
1	Weekly safety Meeting both crews		
	ciews		
	Weekly safety meeting both crews.		

SAFETY	OBSERV	ATIONS
--------	--------	---------------

	Company		#	
Safety Stats	Type	Company	Rpts	l
SLAM	Contractor	Nitro	26	
		Drilling		

PERSONNEL LOG SUMMARY Reg Work Tot Work

SAFETY CHECKS TODAY													
23 276.00 276.00													
Type	Count	1115 (111)	1115 (111)										

Туре	Date
Toolbox	29/12/2012
BOP Drill	29/12/2012
Toolbox	29/12/2012

MUD PUMP

#1, Shandong Qingneng Power Co,

PWF (KVV)	Rod Dia (mm)	Stroke (mm)
372.8	50.8	187.3
Liner Size (mm)	Vol/Stk C	OR (m³/stk)
127.0	0.007	

Report Printed: 24/01/2013



ALL DEPTHS REFERENCE MD KB

Page 2/2

Report Start Date: 29/12/2012

Report #: 22.0 Days From Spud: 17.00

MUD USED									P (bars)	Slow Sp	d Strokes	s (s Eff (%)
Des	Units	Ver	ndor	Rec	Consi	ımed (On Loc	Daily Field Est (Cost)	# 2	Dozbou L	P A Dotro	loum Machin
AusDex	sacks	701	idoi	1100	Const	2.0	113.0		Pwr (kW		Dia (mm)	Stroke (mm)
Joh Cumulian		1							11 `	372.8	50.	8 152.4
Job Supplies Supply Item Des	Unit L	ahel	Vendor	1	Received	Cons	umed	Cum On Loc	Liner Siz			OR (m³/stk)
оцру, ком 200	0		Vollage		110001100	00.10	umou	Ouiii Oii 200	114.3 P (bars)		0.005	s (s Eff (%)
DDILL STRING AND BIT INFO	DMATION								1			
DRILL STRING AND BIT INFO	RIVIATION								ł			
Bit Run Size (mm) Make		Model	IADC Cod	des		Serial Nur	mber	Length (m)	11			
3 155.6 Vare		VM613R	M424			400168	34	0.20]			
Nozzles (mm) 12.0/12.0/12.0/12.0	Bit Total 565	Fluid Area (nozz	es) (mm²)		IADC Bit Dull							
String Length (m)		of String in Air (da	N)		BHA ROP (m	/hr)			11			
	,232.52	• .	2	7,696		,		20.0				
String Components Varel VM613R, LXM, G2 Dyna	drill Float Sub	LIYM DDM	Yover HDS1	1 HDS	2 Yover I	אוא כטרו	ADC F	IW/DD				
Drill Pipe, HWDP, Drill Pipe	dilli, i loat oub	, OAW, DI W	, XOVCI, IIDO	1, 1100	Z XOVCI, I	1002, 141	vibo, i	, ivvDi				
Drilling Parameters									11			
Wellbore Start Depth (mKB) E	nd Depth (mKB) C	um Depth (m)	Drilling Time (hr)	Cum I	Drill Time (Int ROP (m/	hr) C	Flow (m³/min)	11			
Original Hole 1,220.00	1,232.52	1,177.21	7.50	-	58.75		1.7					
WOB (daN) RPM (rpm) S 3,559 0	PP (bars) D 76.5	rill Str Wt (daN)	PU Str Wt (daN)	SO St	r Wt (daN)	Drilling Torq	ue C	off Btm Tq				
BHA #4, Lateral	7 0.0								tl .			
Bit Run Size (mm) Make		Model	IADC Cod	des		Serial Nur	mber	Length (m)	il .			
4 155.6 Vare		VM613R	M424 4001684					0.20				
Nozzles (mm) 12.0/12.0/12.0/12.0	Bit Total 565	Fluid Area (nozz	es) (mm²)		IADC Bit Dull							
String Length (m)		of String in Air (da	N)		BHA ROP (m	/hr)			11			
	,232.52		2	7,696				20.0]			
String Components Varel VM613R, LXM, G2 Dyna Drill Pipe, HWDP, Drill Pipe	drill, Float Sub	, UXM, DPM	, Xover, HDS1	1, HDS	2 Xover, I	HDS2, NN	ИDC, Н	IWDP,				
Drilling Parameters									tl .			
Wellbore Start Depth (mKB) E	nd Depth (mKB) C	um Depth (m)	Drilling Time (hr)	Cum I	Drill Time (Int ROP (m/	hr) C	Flow (m³/min)	11			
Sidetrack 2 1,220.00	1,232.52	1,177.21	7.50		58.75	D T	1.7]]			
WOB (daN) RPM (rpm) S 3,559 0	PP (bars) D 76.5	rill Str Wt (daN)	PU Str Wt (daN)	SOSt	r Wt (daN)	Drilling Torq	ue C	Off Btm Tq]			
SURVEY DATA												
Date	N	1D (mKB)	Incl (°)	20.42	Azm		Т	VD (mKB)	Ш			
29/12/2012 23:45		1,210.10	,	90.13		116.74			П			
Underreaming Intervals												
Top (mKB) Btm (mKB)	OD (mm)		Com									
]			
									11			



ALL DEPTHS REFERENCE MD KB

Report Start Date: 30/12/2012

Report #: 23.0 Days From Spud: 18.00

Pack Common		Name	e: PD											от ории			
March Property March Pro	API/UWI BPD12	001				- 1			Country Australia			AD.12.001			Set Depth		
March Marc	Well Type	e		Well Co	onfiguration Type	Spu	ıd Date		Rig Release D	ate					(mKB)		
March Large Production of Septiment 1,542 cm 1,546 cm 1,54							13/12/20	12 00:00	10/01/20	013 09:00	8/12/20	12 16:00	Intermediate	177.8	648.67		
12-17 1-362 of		-		chan	Original KB Eleva	tion (m)		Ground Elevati	on (m)	IKB-G	round Distance (m)					
Table Tabl		•					227.67		2	223.77	,		Ī				
Nation Designation Nation Sealared Showers 22 13 6 832" 3 48 15 5 6.08" 5				62.00			1,546.63			21.00		38.00					
Continue to POCH Service BFAC Change out mut motor. Rill to Service. Continue to RIP 16 kick of point 983m. Side from 805m to 1021-120m rkb	Nitro Drilling NitroD1 Scatterd Showers 22° 13' 6.832" S 148° 15'												-				
Continue to drill directional hole to 1.00 Continue to drill directional hole to 10.00 To 1.00 To	Continuto shoe 983m.	ue to Po e. Test i Slide fr	OOH. Se mud mot om 983r	tor. We n to 10	eekly safety m												
Counting 1.00 Counting	Continu	ue to dr			ole to td.								CUM TIMELOG by	OPERATIO	NS		
MORE			direction	al hol	e @ 1051m rl	kb.							-		Cum Dur		
HOURTY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY SAFETY CHECK SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY SAFETY CHECK SUMMARY 00:00 TO 24:00 OF THE NEXT REPORTING DAY SAFETY CHECK SUMMARY 00:00 TO 24:00 OF THE NEXT REPORTING DAY SAFETY CHECK SUMMARY 00:00 THE NEXT REPORTING DAY 00:00 THE NEXT REPORTING DA	Remarks SAFETY CONCERNS REQUIRING URGENT RECTIFICATION .Fit for purpose trip tank , Poor boy degasser ,												WORKTIME	13.25	165.00		
State Find					<u> </u>		<u> </u>		<u> </u>		<u> </u>		DRILL	9.00	195.25		
Main Time Dec Property Propess Miles Main						End							_	1.25	5.25		
13.0	Time	Time		m?		(mKB)			om 175m to								
1.30 3.30 2.00 In Seam 1.232 BBH Break out and lay out BHA. Seam 1.232 BBH Break out and lay out BHA. Seam 1.232 BBH Break out and preak out and make up with power jaw. Seam 1.232 BBH Break out and make up with power jaw. Seam 1.232 BBH Break out and make up with power jaw. Seam S						52	2										
	01:30	03:30	2.00		In Seam			Break out	and lay ou	t BHA.							
Second S	03:30	04:30	1.00		In Seam	1,232	. BBH										
Superint					52	2	side of lea				Robert Craig						
Rahman Second S						52	2	make up	directional E			otor and		Superintdnt			
Supervisor Sup	07:00	07:30	0.50		In Seam	,		Trip in to	98m.					ıhman			
12:45 0.75	07:30	08:00	0.50		In Seam	,		Perform E	BOP drill.				John Davidson				
12:40 12:45 0.75	08:00	12:00	4.00		In Seam							648.60m.					
13:15 15:00 1.75 In Seam 983.00 TRI Continue to RIH with BHA No# 5 to Kick of point.983 Weekly safety meeting both crews SAFETY Checks TODAY Weekly safety meeting both crews Weekly safety meeting both cre	12:00	12:45	0.75		In Seam			Weekly s	afety meetir	ng with both	r crews.			2			
15:00 00:00 9:00 1n Seam 1,021 DRL Kick of @ 983997.97m Slide to 1021.20m rkb Weekly safety meeting both crews	12:45	13:15	0.50		In Seam			Rig Servi	ce.				Toolbox	29/12/2012	6		
Note	13:15	15:00	1.75		In Seam			1	to RIH with	BHA No# 5	to Kick of p	oint.983	Meeting both	30/12/2012	1		
Start Find Dur (hr) Proble Time Dur (hr) Proble Phase Community Proble Phase Community Proble Phase Community Phase	15:00	00:00	9.00		In Seam			Kick of @	983997.97n	n Slide to 1	021.20m rkb						
State Find Find Dur (h) Proble Phase Mile	HOUR	LY OPE	RATIO	NS SU	MMARY 00:0		:00 OF T	HE NEXT F	REPORTING	DAY							
00:00 00:30 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50			Dur (hr)		Phase	Depth	Activity			Com							
00 00 00 00 00 00 00 0	00:00	00:30	0.50		In Seam	1,026 00	DRL	Continue rkb.to 102	26m rkb	3" directiona	al hole from 1	021.20m	Safety Stats Type	Compa	any #Rpts		
Type Time Depth (mKB) Dens (sg(h2o)) Vis (days/m³) Tot Workerling both crews Type Des Units Vendor Rec Consumed On Loc Est (Cost) MUD PUMP Residrill Sacks 1.0 154.0 Tot Workerling both crews Type Des (www.) Tot Workerling both crews Type Date Type Type Date Type Date Type Date Type Date Type Type Date Type Date Type Date Type Date Type Date Type Type Date Type Type Date Type Date Type Type Date Type Type Date Type T	00:30	00:45	0.25		In Seam			Do pre sta	art before co	onnection.							
Type	00:45	07:00	6.25		In Seam					3" directiona	al hole from 1	026.20m		Reg Work Hrs (hr)	Tot Work Hrs (hr)		
Potassium Base 16:00	MUD P		RTIES										18	216.00	216.00		
BOP Drill 30/12/2012 Weekly safety Meeting both crews 30/12/2012 Weekly safety Meeting both crews 30/12/2012 Weekly safety Meeting both crews MUD PUMP Weekly safety Meeting both crews MUD PUMP Weekly safety Meeting both crews Weekly safety Weekly safety Meeting both crews Weekly safety Weekly safety Weekly safety Weekly safety Week	Potass		se	16:00			Depth		Dens (e		
MUD USED Des Units Vendor Rec Consumed On Loc Daily Field Est (Cost) AusDex Sacks 1.0 112.0 HUD PUMP #1, Shandong Qingneng Power Co KCL Sacks 1.0 528.0 Pwr (kW) Rod Dia (mm) Stroke (mm) Residrill Sacks 1.0 154.0 Interestive (mm) Vol/Stk OR (m³/stk)	Potass	ium Ba	se	20:00)			988.00		1.114	l I	-	BOP Drill	30/12/2012)		
Des			se	23:45	5			1,021.00		1.114		0	Meeting both	30/12/2012			
AusDex sacks 1.0 112.0 #1, Shandong Qingneng Power Co KCL sacks 1.0 528.0 Pwr (kW) Rod Dia (mm) Stroke (mm) Residrill 372.8 50.8 187 Liner Size (mm) Vol/Stk OR (m³/stk) 127.0 0.007			Des		Units		Ver	ıdor	Rec	Consumed	On Loc						
KCL sacks 1.0 528.0 Pwr (kW) Rod Dia (mm) Stroke (mm) Residrill 1.0 154.0 154.0 Liner Size (mm) Vol/Stk OR (m³/stk) 127.0 0.007 0.007		x			sacks					1.0	112.0	201 (0001)		ngneng Pov	ver Co ,		
Liner Size (mm) Vol/Stk OR (m³/stk) 127.0 0.007													Pwr (kW) Rod Dia	a (mm) Strok			
Page 1/2 Report Printed: 24/01/20	Residri	II			sacks					1.0	154.0		Liner Size (mm)	Vol/Stk OR (m ²			
									Page '	1/2			Report	Printed: 2	4/01/201		



ALL DEPTHS REFERENCE MD KB

Report Start Date: 30/12/2012 Report #: 23.0 Days From Spud: 18.00

P (bars)	Slov	v Spd	Strokes	(s	Eff (%)		
, ,				`	` ′		
# 2 , Dez	ho	u L&A	Petrole	um	Machin		
Pwr (kW)		Rod Dia	(mm)	Strc	ke (mm)		
37	2.8		50.8		152.4		
Liner Size (m	m)		Vol/Stk C	R (n	n³/stk)		
114.3			0.005				
P (bars)	Slov	v Spd	Strokes	(s	Eff (%)		

TTOIL HUILIN	J D U/	•									
Job Supplies											
S	upply Item Des		Unit Lab	oel	Vendor		Received	Cons	umed	Cum On	
DRILL STRIN	G AND BIT IN	FORMATI	ON								
BHA #5, Late	ral										
Bit Run Size (m				odel	IADC Code	es	Serial Numbe			Length	
5	155.6 Vai	el		M613R	M424			400168	34	(0.20
Nozzles (mm)			1	uid Area (nozzl	es) (mm²)		IADC Bit Dull				
9.5/9.5/9.5/9.5	5/9.5/10.3		440								
String Length (m)				String in Air (da	,		BHA ROP (m/	hr)			
String Components		1,223.34			27	7,437					5.8
	R, LXM, G2 Dyi ator, Shock Su			JAM, DI M,	, Adver, Fibor	, 1100	J2 X0VCI, I		71DO, 1	,	
Drilling Paran											
Wellbore	Start Depth (mKB)				Drilling Time (hr)			nt ROP (m/l	hr) (Q Flow (m³/n	nin)
Branch 5	983.00	, -	21.00	38.00				9.00			
, ,	RPM (rpm)	SPP (bars)	I	, ,	PU Str Wt (daN)		` ′	Drilling Torq	ue C	Off Btm Tq	
2,224	0	1	01.4	22,686	26,689	<u>'L</u>	18,238				
SURVEY DAT	Ά										
	Date		MD	(mKB)	Incl (°)		Azm	()	Т	VD (mKB)	
30/12/2012 23	3:45			984.10	8	5.56		117.18			
30/12/2012 23	3:45			993.50	8	3.27		114.87			
30/12/2012 23	3:45			1,003.20	8	2.66		112.86			
30/12/2012 23	3:45			1,012.70	84.42		112.12				
Underreamin	g Intervals										
Top (mKB)	Btm (mKB)	00	O (mm)				Com				
				I							



ALL DEPTHS REFERENCE MD KB

Report Start Date: 31/12/2012

Report #: 24.0 Days From Spud: 19.00 WBS Code CASING STRINGS

Report Printed: 24/01/2013

API/UWI	Name	9: PD				State/E	Province		Country			WBS Code		CACING STRINGS			
API/UWI Field Name Peak Do								Australia			C.A5.BPD.	AD.12.001	CASING STRINGS Csg Des	OD (mm		Set Depth (mKB)	
Well Type			Well Co	onfiguration ⁻					Rig Release I			Start Date		Surface		244.5	
SIS La						13	/12/201	12 00:00 10/01/2013 09:00)	8/12/20	12 16:00	Intermediate	177.	8	648.67
	OPERA ely Duratio			Original KB	Flevation (m)	To	Ground Elevat	ion (m)	IKR	-Gro	und Distance (m)				
	•		12.17				27.67			223.77		,	3.90				
Target D	epth (mKB		562.00	Total Depth	(mKB)	1,5	46.63	End Depth (ml	,	156.30 De	pth P	Progress (m)	135.30	}			
Rig (Nam Nitro D	nes) Orilling N	itroD1		Weather Overcas	t		L	atitude (°)	22° 13' 6.		ngitu	de (°) 148° 15	5' 55.608" E				
	ns Summa		hala ta	1026m F	ro start	Conti	inuo dril	ling 6 1/0"	directional	hala ta 10)E2r	m Dia rona	iro mud				
pump	valve. C	ontinue	to drill						out HWDP								
	ns Next Re ue to dri			ole to td.													
	ns at 6:00 1/8" dire	ctional	hole @) 1179m										CUM TIMELOG by	OPERA	ΓΙΟΝ	
Remarks	;				DODT 2	0/40/	10							Code 1		(hr)	Cum Dur (hr)
ONGOING SAFETY ISSUES PER REPORT 30/12/12.														DRILL	22	2.50	217.75
USE C	F AGIT	ATOR A	AND EF	P BIT LUE	BE IMPR	OVIN	G SLID	ING PERF	ORMANCE	Ξ.				WORKTIME	- -	1.00	166.00
TRIP F	REQUIR	ED IN N	NEXT 2	4 HRS T	O CHAN	GE IF	ZIG TO	OOL						OASST) (
VERTI	CAL WE	ELL WE	LL HE	AD REQU	JIRES R	ECTI	FICATION	ON PRIOR	TO INTER	SECTION	1			SAFETY MAINTENANCE).25).25	5.50 1.50
HOUR	LY OPE	RATIO	NS SU	MMARY	00:00 T	24:0	00 OF T	HE REPO	RTING DA	Υ				MOVE		0.00	59.75
Start End Proble						nd epth								STANDBY		0.00	109.50
Time 00:00	Time 00:30	Dur (hr)	m?	Phase In Seam	(m	KB)	Activity	Continue	to drill 6 1/	Com 8" direction	nal	hole from 1	021 20m				
00.00	00.50	0.50		III Ocalii	',	00	DIXL	rkb.to 102		o direction	ııaı	noie noin	021.20111	Job Contact	<u> </u>	Title	<u> </u>
00:30	00:45	0.25		In Seam	1,0	026.	SFT	Do pre st	art before o	connection	۱.			Robert Craig Drilling Supervisor			
00:45	07:00	6.25		In Seam	1,0	052. I	DRL	Continue	to drill 6 1/ 52m rkb	8" direction	Jeff Wilkinson	Drilling Super)				
07:00	07:15	0.25		In Seam	1,0		RMR		out washed	valve rub	ber	on mud p	ımp # 2	Mohammad	Well E		
07:15	23:00	15.75		In Seam	1,1	156. I	DRL	1	to drill 6 1/ 56.30m rkb		nal	Rahman John Davidson	Drilling				
23:00	00:00	1.00		In Seam	1,1	30 156.	TRI		ck and pull		IWE		Super		•		
						30		in 7jts of	drill pipe ar	nd 7 jts of I	HW	Type	SUMMAR Last Dat		# Occur		
HOUR	LY OPE	RATIO	NS SU	MMARY		O 6:00	OF TH	IE NEXT F	REPORTIN	G DAY				BOP Drill	30/12/20	12	2
Start Time	End Time	Dur (hr)	Proble m?	Phase	De	epth KB)	Activity			Com				Toolbox	31/12/20	112	9
	00:15	0.25		In Seam		156.		Pre Start	and shift cl								
00:15	01:15	1.00		In Seam	1.	30 156.	TRI	Continue	to shuffle a	around HW	VDE	<u> </u>		Weekly safety Meeting both	30/12/20	12	1
00.13	01.13	1.00		III Ocalii		30		Continue	to snume a	around riv	V DI			crews			
01:15	11:00	9.75		In Seam	1,2	223. I 34	DRL		to drill 6 1/ 23.34m rkb		nal	hole from 1	156.30m	Weekly safety meeting both			
MUD F	PROPER	RTIFS												crews.			
	Туре		60.5	Time			Depth (Dens	(sg(h2o))		Vis (da	ays/m³)	SAFETY OBSERV			#
	sium Bas sium Bas		06:00 12:00					1,052.00 1,085.00		1.1°			0	Safety Stats Comp	ne C	ompar	ny Rpts
	sium Bas		18:00					1,125.00		1.1			0	SLAM Contra		o ling	36
	sium Bas		23:45					1,156.00		1.13			1	PERSONNEL LOC	SUMM#	RY	
MUD	JSED													Type Cour	Reg Wo	rk	Tot Work Hrs (hr)
Des Units					Vend	or	Rec	Consume	ed	On Loc	Daily Field Est (Cost)	Type Coul			216.00		
AusDex sacks										3.0	104.0		SAFETY CHECKS	TODAY			
KCL sacks Residrill sacks									25	5.0	503.0 139.0		Type Toolbox	31/12/2	Date		
Soda A				sac							1.0	25.0		Toolbox	31/12/2		
Job Si	upplies													Toolbox	31/12/2		
Supply Item Des Unit Label							Vendor		Received	C	Consumed	Cum On Loc	MUD PUMP				
														# 1, Shandong Q			er Co,
														372.8	50.8		187.3
											Liner Size (mm) 127.0	Vol/Stk OI 0.007	R (m³/:	stk)			
l																	



Report Start Date: 31/12/2012

Report #: 24.0 Days From Spud: 19.00

ALL DEPTHS	REFERENCE MD KI

DRILL S	STRIN	G AND BIT	FINF	ORMATI	ON											
BHA #5, Lateral																
Bit Run	Size (mr		Make			Model			IADC Code	s			Number		Length	(m)
5		155.6	Varel	1		VM6	13R		M424			4001	684			0.20
Nozzles (n						al Fluid A	rea (nozzl	les) (mm	1 ²)		IADC Bit Dull					
		/9.5/10.3			440											
String Len	gth (m)				Weight	of String	ı in Air (da	iN)			BHA ROP (m	/hr)				
			1	,223.34					27	,437						5.8
String Con																
		R, LXM, G2				b, UXN	1, DPM	, Xove	r, HDS1,	HDS	S2 Xover, I	HDS2,	NMDC,	HW	DP,	
Drill Pip	e, Agita	ator, Shoc	k Sub	, Drill Pip	oe -											
Drilling	Paran	neters														
Wellbore		Start Depth (r				Cum Dep	th (m)	Drilling	Time (hr)	Cum	Drill Time (Int ROP (m/hr)	Q Flo	w (m³/r	nin)
Branch	5	1,021	1.00	1,15	6.30		173.30		22.50		31.50		6.0			
WOB (daN	,	RPM (rpm)		SPP (bars)		Drill Str V	. ,		` '	ı	` '	Drilling To	orque	Off B	tm Tq	
	5,338		40	1	15.1		26,689		30,248		23,131					
SURVE	Y DAT	Ά														
		Date				MD (mK	В)		Incl (°)		Azm	ı (°)		TVD	(mKB)	
Underreaming Intervals																
Top (ı	nKB)	Btm (m	nKB)	OD) (mm)						Com					
		1		-												



ALL DEPTHS REFERENCE MD KB

Report Start Date: 1/01/2013

Report #: 25.0 Days From Spud: 20.00

1	CASING STRINGS		
	Csg Des	OD (mm)	Set Depth (mKB)
1	Surface	244.5	69.10
1	Intermediate	177.8	648.67

won manic.	I D IZVA				
API/UWI	Field Name	State/Province	Country	WBS Code	
BPD12001	Peak Downs	Queensland	Australia	C.A5.BPD.AD.12.001 .12101	
Well Type	Well Configuration Type	Spud Date	Rig Release Date	Start Date	ŀ
SIS Lateral		13/12/2012 00:00	10/01/2013 09:00	8/12/2012 16:00	ιħ

SIS Lateral		13/12/20	12 00.00	10/01/2013 09	.00 0/12/	2012 10.00			
DAILY OPERATIONS									
Most Likely Duration (no plan cha	n Original KB Elevation (m	1)	Ground Elevati	on (m)	KB-Ground Distan	ce (m)			
12.	.17	227.67		223.77		3.90			
Target Depth (mKB)	Total Depth (mKB)		End Depth (mk	(B)	Depth Progress (m	1)			
1,562	.00	1,546.63		1,223.34		67.04			
Rig (Names)	Weather		Latitude (°)		Longitude (°)				
Nitro Drilling NitroD1	Scatterd Showers	;		22° 13' 6.832" S	148°	15' 55.608" E			
Operations Summary									
Shift change and pro start	t Continuo to chufflo L	JM/DD arou	nd in etrina	Drill 6 1/9" direction	anal hala 1156	30m rkh to			

Shift change and pre start.Continue to shuffle HWDP around in string.Drill 6 1/8" directional hole 1156.30m rkb to 1223.34m rkb.Circulate and clean hole. Flow check and POOH to 1102m rkb. Flow check well taking 6bbls a hour. RIH to bottom. Circulate and condition mud drop mud weight to 8.9ppg. Flow check. Well stable. POOH to 560m rkb.

Operations Next Report Period

POOH. Service BHA. Change out tools. Trip in hole and continue to drill 6 1/8" directional hole to TD.

Operations at 6:00

Servicing and making up BHA No # 6

Remarks

ON GOING SAFETY ISSUES PER REPORT 30/12/12

SLOW TRIP DUE TO TIGHT SPOTS, WET TRIP AND INCORRECT TRIP TANK SET UP.

POOR TANK SET UP CAUSING MUD /HOLE PROBLEMS.

HOUR	LY OPE	RATIO	NS SU	JMMARY 00:	00 TO 24	:00 OF T	HE REPORTING DAY
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com
00:00	00:15	0.25		In Seam	1,156. 30	SFT	Pre Start and shift change.
00:15	01:15	1.00		In Seam	1,156. 30	TRI	Continue to shuffle around HWDP.
01:15	11:00	9.75		In Seam	1,223. 34	DRL	Continue to drill 6 1/8" directional hole from 1156.30m rkb.to 1223.34m rkb
11:00	12:00	1.00	Yes	In Seam	1,223. 34	CIR	Circulate well clean for trip out of hole to change out failed directional tool.
12:00	12:45	0.75	Yes	In Seam	1,223. 34	TRI	Flow check and POOH to 1102m rkb.
12:45	13:15	0.50	Yes	In Seam	1,223. 34	FCW	Fow check well taking 6bbls a hour.
13:15	14:00	0.75	Yes	In Seam	1,223. 34	TRI	Run back in hole to bottom
14:00	18:00	4.00	Yes	In Seam	1,223. 34	CIR	Circulate and condition mud.Bring mud weight down to 8.9ppg, because of losses.
18:00	18:15	0.25	Yes	In Seam	1,223. 34	FCW	Flow check well stable.
18:15	00:00	5.75	Yes	In Seam	1,223. 34	TRI	Pull out of hole to 560m. Reamed and worked tight hole at 939mrkb to 930m rkb. Pulling 7k to 15k over pull from 1185m to 890m

HOURLY OPERATIONS SUMMARY 00:00 TO 6:00 OF THE NEXT REPORTING DAY									
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com		
00:00	03:30	3.50	Yes	In Seam	1,223. 34	TRI	Continue to POOH from 560m to BHA		
03:30	04:30	1.00	Yes	In Seam	1,223. 34	BBH	Flow check and break out and lay out directional BHA.		
04:30	07:00	2.50	Yes	In Seam	1,223. 34	BBH	Break out bit and change out LXM x UXM x DPM tools.Make up bit. Service directional BHA.Make up directional BHA.		
MUD PROPERTIES									

WIOD PROPERTIES				
Туре	Time	Depth (mKB)	Dens (sg(h2o))	Vis (days/m³)
Potassium Base	06:00	1,183.00	1.102	0
Potassium Base	12:00	1,223.00	1.102	0
Potassium Base	18:00	1,223.00	1.066	0

NPT		
Activity	Start Date	End Date
Breakdown - Bottom Hole Assemply	1/01/2013 11:00	3/01/2013 09:30
Comment		
Down hole tool failure Pathfinder.		

Code 1		Dur (hr)	Cum Dur (hr)				
WORKTIME		14.00	180.00				
DRILL		9.75	227.50				
SAFETY		0.25	5.75				
MAINTENANCE		0.00	1.50				
MOVE		0.00	59.75				
STANDBY		0.00	109.50				
DAILY CONTACTS							
Job Contact Title							
Robert Craig	Dr	illing					

CUM TIMELOG by OPERATIONS

DAILY CONTACTS					
Job Contact	Title				
Robert Craig	Drilling Supervisor				
Jeff Wilkinson	Drilling Superintdnt				
Mohammad Rahman	Well Engineer				
John Davidson	Drilling Supervisor				
CAFETY OUE OF OURMAN BY					

SAFETY CHECK SUMMARY								
Туре	Last Date	# Occur						
BOP Drill	30/12/2012	2						
Toolbox	1/01/2013	11						
Weekly safety Meeting both crews	30/12/2012	1						
Weekly safety meeting both crews.								
	Type BOP Drill Toolbox Weekly safety Meeting both crews Weekly safety meeting both	Type						

SAFETY O	BSERV	ATIO	NS		
Safety Stats	Compa Type		Compa	ıny	# Rpts
SLAM	Contrac	ctor	Nitro Drilling		43

PERSONNEL	LOG	SUMMARY	1						
Туре	Count	Reg Work Hrs (hr)	Tot Work Hrs (hr)						
18 216.00 216.00									
SAFETY CHE	SAFETY CHECKS TODAY								

Туре			Date
Toolbox		1/01/2	013
Toolbox		1/01/2	013
MUD PUMP			
#1, Shando	ng Qir	ngneng	Power Co,
Pwr (kW)	Rod Dia	(mm)	Stroke (mm)

F WI (KVV)		Nou Dia	(111111)	Out	ike (IIIIII)	
37	2.8		50.8		187.3	
Liner Size (m	m)		Vol/Stk C	R (n	n³/stk)	
127.0		0.007				
P (bars)	Slov	v Spd	Strokes	(S	Eff (%)	



ALL DEPTHS REFERENCE MD KB

Report Start Date: 1/01/2013

Report #: 25.0 Days From Spud: 20.00

	e: PD120A									
MUD USED										
	Des		Units	Ver	ndor	Rec	Cons	sumed	On Loc	Daily Field Est (Cost)
AusDex		sac	ks					4.0	100.0)
ET Bit Lube		L				1-	4.0	8.0	6.0)
KCL		sac	ks					12.0	491.0)
Residrill		sac	ks					9.0	130.0	ו
Soda Ash		sac	ks		1:	3.0	1.0	37.0)	
XanBore		sac	ks					2.0	58.0)
Job Supplies										
S	upply Item Des		Unit L	abel .	Vendor		Receive	i	Consumed	Cum On Loc
DRILL STRIN	G AND BIT INI	ORMATI	ON							
BHA #5, Late	ral									
Bit Run Size (m	m) Make 155.6 Var	-		Model VM613R	M424	les			al Number)1684	Length (m) 0.20
Nozzles (mm) 9.5/9.5/9.5/9.5	5/9.5/10.3		Bit Total 440	Fluid Area (nozz	les) (mm²)		IADC Bit Du	II .		
String Length (m)		1.223.34	Weight o	of String in Air (da			BHA ROP (I	n/hr)		
		1,220.07			2	7,437				5.8
Varel VM613F	R, LXM, G2 Dyr ator, Shock Su	nadrill, Flo		, UXM, DPM			S2 Xover,	HDS2	, NMDC, H	
Varel VM613F Drill Pipe, Agit Drilling Para r	R, LXM, G2 Dyr ator, Shock Su neters	nadrill, Flo b, Drill Pip	oe .		, Xover, HDS1	I, HDS				HWDP,
Varel VM613F Drill Pipe, Agit Drilling Parar Wellbore Branch 5	R, LXM, G2 Dyr ator, Shock Su meters Start Depth (mKB) 1,156.30	nadrill, Flo b, Drill Pip End Depth (1,22	mKB) Ci	um Depth (m) 240.34	Drilling Time (hr)	I, HDS	Drill Time (41.25	. Int RO	P (m/hr) 6.9	
Varel VM613F Drill Pipe, Agit Drilling Parar Wellbore Branch 5	R, LXM, G2 Dyr ator, Shock Su meters Start Depth (mKB) 1,156.30 RPM (rpm)	end Depth (1,22 SPP (bars)	mKB) Ci	um Depth (m)	Drilling Time (hr) 9.75 PU Str Wt (daN)	Cum So St	Drill Time (. Int RO	P (m/hr) 6.9	HWDP,
Varel VM613F Drill Pipe, Agit Drilling Parar Wellbore Branch 5 WOB (daN) 5,338	R, LXM, G2 Dyr ator, Shock Suneters Start Depth (mKB) 1,156.30 RPM (rpm)	end Depth (1,22 SPP (bars)	mKB) Ci	um Depth (m) 240.34 rill Str Wt (daN)	Drilling Time (hr) 9.75 PU Str Wt (daN)	Cum So St	Drill Time (41.25 tr Wt (daN)	. Int RO	P (m/hr) 6.9	HWDP,
Varel VM613F Drill Pipe, Agit Drilling Parar Wellbore Branch 5 WOB (daN) 5,338	R, LXM, G2 Dyr ator, Shock Suneters Start Depth (mKB) 1,156.30 RPM (rpm)	end Depth (1,22 SPP (bars)	mKB) Ci	um Depth (m) 240.34 rill Str Wt (daN)	Drilling Time (hr) 9.75 PU Str Wt (daN)	Cum So St	Drill Time (41.25 tr Wt (daN) 24,020	. Int RO	P (m/hr) 6.9 Torque	HWDP,
Varel VM613F Drill Pipe, Agit Drilling Parar Wellbore Branch 5 WOB (daN) 5,338	R, LXM, G2 Dyr ator, Shock Su meters Start Depth (mKB) 1,156.30 RPM (rpm) 40	end Depth (1,22 SPP (bars)	mKB) Ci	um Depth (m) 240.34 rill Str Wt (daN) 28,024	Drilling Time (hr) 9.7(PU Str Wt (daN) 31,136	Cum So St	Drill Time (41.25 tr Wt (daN) 24,020	. Int RO	P (m/hr) 6.9 Torque	HWDP, 2 Flow (m³/min) Dff Btm Tq
Drill Pipe, Agit Drilling Parar Wellbore Branch 5 WOB (daN)	R, LXM, G2 Dyr ator, Shock Su meters Start Depth (mKB) 1,156.30 RPM (rpm) 40	end Depth (1,22 SPP (bars)	mKB) Ci	um Depth (m) 240.34 rill Str Wt (daN) 28,024	Drilling Time (hr) 9.7(PU Str Wt (daN) 31,136	Cum So St	Drill Time (41.25 tr Wt (daN) 24,020	. Int RO	P (m/hr) 6.9 Torque	HWDP, 2 Flow (m³/min) Dff Btm Tq

MUD PUMP									
2, Dezhou L&A Petroleum Machin									
wr (kW)		Rod Dia	(mm)	Stro	ke (mm)				
37	2.8		50.8		152.4				
iner Size (m	m)		Vol/Stk C	R (n	n³/stk)				
114.3			0.005						
o (bars)	Slov	v Spd	Strokes	(s	Eff (%)				



ALL DEPTHS REFERENCE MD KB

Report Start Date: 2/01/2013

Report #: 26.0 Days From Spud: 21.00

64.73

CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)
Surface	244.5	69.10
Intermediate	177.8	648.67

Well Maille.	FDIZUA			
API/UWI	Field Name	State/Province	Country	WBS Code
BPD12001	Peak Downs	Queensland	Australia	C.A5.BPD.AD.12.001 .12101
Well Type	Well Configuration Type	Spud Date	Rig Release Date	Start Date
SIS Lateral		13/12/2012 00:00	10/01/2013 09:00	8/12/2012 16:00

DAILY OPERATIONS			_				
Most Likely Duration (no plan	chan	Original KB Elevation (m	1)	Ground Elevation	on (m)	KB-Ground Distance	ce (m)
	12.17		227.67		223.77		3.90
Target Depth (mKB)		Total Depth (mKB)		End Depth (mK	B)	Depth Progress (m)
1,50	62.00		1,546.63		1,223.34		0.00
Rig (Names)		Weather		Latitude (°)		Longitude (°)	
Nitro Drilling NitroD1		SI. Overcast			22° 13' 6.832" S	148°	15' 55.608" E
Operations Summary							

Continue to POOH from 560m. Break out and lay out BHA. Change out LXM x UXM x DPM tools.

Make up BHA No # 6 and RIH to 690m. Test directional tools. Failed.POOH. Break out and lay out BHA. Change out LXM x UXM x DPM tools. Make up BHA No # 7 and RIH to 387m rkb.

Operations Next Report Period

Continue to RIH. Re-log GR from 1165 to 1223.34 m. Drill 6 1/8" directional hole ahead from 1223.34mKB.

Operations at 6:00

Reaming and washing tight hole @ 983m rkb

HOUR	OURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY								
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com		
00:00	03:30	3.50	Yes	In Seam	1,223. 34	TRI	Continue to POOH from 560m to BHA		
03:30	04:30	1.00	Yes	In Seam	1,223. 34	BBH	Flow check and break out and lay out directional BHA.		
04:30	07:00	2.50	Yes	In Seam	1,223. 34	BBH	Break out bit and change out LXM x UXM x DPM tools.Make up bit. Service directional BHA.Make up directional BHA.		
07:00	13:00	6.00	Yes	In Seam	1,223. 34	TRI	Run in hole with BHA No # 6 to 690m		
13:00	14:00	1.00	Yes	In Seam	1,223. 34	ОТН	Test directional tools Below shoe.directional tools failed.		
14:00	19:00	5.00	Yes	In Seam	1,223. 34	TRI	Flow check and POOH to BHA.		
19:00	20:45	1.75	Yes	In Seam	1,223. 34	ввн	Flow check and break out and lay out directional BHA. Break out bit and change out LXM x UXM x DPM tools.Make up bit. Service directional BHA.		
20:45	22:00	1.25	Yes	In Seam	1,223. 34	BBH	Make up directional BHA and RIH		
22:00	22:15	0.25	Yes	In Seam	1,223. 34	SFT	Shift change and pre start.		
22:15	00:00	1.75	Yes	In Seam	1,223. 34	TRI	Trip in hole with BHA No # 7 to 387m rkb		
HOUR	LY OPE	RATIO	NS SL	JMMARY 00:0	00 TO 6:0	00 OF TH	IE NEXT REPORTING DAY		
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com		
00:00	03:00	3.00	Yes	In Seam	1,223. 34	TRI	Continue to RIH from 387m to 680m		
03:00	03:15	0.25	Yes	In Seam	1,223. 34	CIR	Test directional tools.		

00:00	03:00	3.00	Yes	In Seam	1,223. 34	TRI	Continue to RIH from 387m to 680m
03:00	03:15	0.25	Yes	In Seam	1,223. 34	CIR	Test directional tools.
03:15	04:30	1.25	Yes	In Seam	1,223. 34	TRI	Continue to RIH from 680m to 872.59m
04:30	08:00	3.50	Yes	In Seam	1.223.	BRM	Ream and wash tight hole from 872.59m rkb to 996m

34

MUD PROPERTIES		
	MIID	OPERTIES

	Туре	Time	Depth (mKB)	Dens (sg(h2o))	Vis (days/m³)	ı
	Potassium Base	06:00	1,223.34	1.042	0	t
l	Potassium Base	16:00	1,223.34	1.042	0	I
Ì	Potassium Base	23:45	1,223.34	1.042	0	ſ

rkb.

N	D.	T
14	г	ı

End Date 3/01/2013 09:30 Activity Breakdown - Bottom Hole Assemply Start Date 1/01/2013 11:00

Down hole tool failure Pathfinder.

MUD USED

L												
							Daily Field					
ı	Des	Units	Vendor	Rec	Consumed	On Loc	Est (Cost)					
	Biocide	L		1.0	3.0	17.0						
ı												

CUM TIMELOG by OPERATIONS										
Code 1	Dur (hr)	Cum Dur (hr)								
WORKTIME	23.75	203.75								
SAFETY	0.25	6.00								
DRILL	0.00	227.50								
STANDBY	0.00	109.50								
MAINTENANCE	0.00	1.50								
MOVE	0.00	59.75								

DAILY CONTACTS	
Job Contact	Title
Jeff Wilkinson	Drilling Superintdnt
Mohammad Rahman	Well Engineer
Vince Krawchuk	Drilling Supervisor
John Davidson	Drilling Supervisor

	SAFETY CHECK	SUMMARY	
1	Туре	Last Date	# Occur
1	BOP Drill	30/12/2012	2
ı	Toolbox	2/01/2013	13
	Weekly safety Meeting both crews	30/12/2012	1
	Weekly safety meeting both crews.		
ı		•	

SAFETY OF	BSERVATIO	NS	
	Company		#
Safety Stats	Туре	Company	Rpts
SLAM	Contractor	Nitro	21
		Drilling	

PERSONNEL LOG SUMMARY										
Туре	Count	Reg Work Hrs (hr)	Tot Work Hrs (hr)							
	18	216.00	216.00							

SAFETY CHECKS TODAY								
Туре	Date							
Toolbox	2/01/2013							
Toolbox	2/01/2013							

MUD PUM	•
---------	---

	#1, Shand	ong Qiı	ngneng	Po	wer Co,			
ı	Pwr (kW)	Rod Dia	(mm)	Stro	ke (mm)			
	372.8	3	50.8 18					
ı	Liner Size (mm)		Vol/Stk OR (m³/stk)					
	127.0		0.007					
1	P (bars) Sid	w Spd	Strokes	(s	Eff (%)			
ı	1 1		ı					

Report Printed: 24/01/2013

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ALL DEPTHS REFERENCE MD KB

Report Start Date: 2/01/2013

Report #: 26.0 Days From Spud: 21.00

Well Name		<u> </u>									Taure -		, -		
Job Supplies	upply Item Des		Unit Lat	pel	Vendor		Received	Cons	sumed	Cum On Loc	MUD F		u L&A	Petroleu	m Machin
											Pwr (kW)	Rod Dia	a (mm) S	troke (mm)
DRILL STRIN	G AND BIT II	NFORMAT	ION								Liner Siz	372.8 e (mm)		50.8 Vol/Stk OR	152.4 (m³/stk)
BHA # <string (m<="" bit="" run="" size="" th="" =""><th>no>, <des></des></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>114.3</th><th></th><th></th><th>0.005</th><th></th></string>	no>, <des></des>										114.3			0.005	
Bit Run Size (m	m) Ma	ake	M	odel	IADC Co	des		Serial Nu	ımber	Length (m)	P (bars)	Slo	w Spd	Strokes (s.	Eff (%)
Nozzles (mm)	l .		Bit Total FI	uid Area (nozz	rles) (mm²)		IADC Bit Dull			I					_
String Length (m)			Weight of S	String in Air (da	aN)		BHA ROP (m	n/hr)			-				
String Components	•										41				
String Components	•														
Drilling Parar Wellbore	neters														
Wellbore	Start Depth (mK	B) End Depth	(mKB) Cun	n Depth (m)	Drilling Time (hr)	Cum	Drill Time (Int ROP (m.	/hr)	Q Flow (m³/min)					
WOB (daN)	RPM (rpm)	SPP (bars)	Drill	Str Wt (daN)	PU Str Wt (daN)	so s	Str Wt (daN)	Drilling Tord	que	Off Btm Tq	1				
01151/51/545											H				
SURVEY DAT	Date		I MD	(mKB)	Incl (°)		Azm	ı (°)	Т	TVD (mKB)					
	Dato			(7,211	. ()		175 ()	11				
Underreamin	g Intervals								•		11				
Top (mKB)	Btm (mKB	3) 0	D (mm)				Com				1				
											41				
						Pa	ge 2/2					F	Report	Printed:	24/01/2013



ALL DEPTHS REFERENCE MD KB

Report Start Date: 3/01/2013 Report #: 27.0

Report #: 27.0 Days From Spud: 22.00

		e: PD							110 112							ории	
API/UWI BPD12			Field N	lame Down	9	- 1	e/Province eensland	Ì	Country Australia			WBS Code C.A5.BPD	AD 12 001	CASING STR	INGS		0.15.11
	-001		Can	Down	3	ا	considire		, tastrana			.12101	715.12.001	Csg Des		OD (mm)	Set Depth (mKB)
Well Typ SIS La			Well C	onfigurat	ion Type		d Date 3/12/20	12.00:00	Rig Release	Date 2013 09:	00	Start Date	12 16:00	Surface		244.5	69.10
		.=					13/12/20	12 00.00	10/01/	2013 09.	00	0/12/20	12 10.00	Intermediate		177.8	648.67
		ATIONS on (no plan		Original	KB Elevation	n (m)	Т	Ground Elevati	ion (m)	I	KB-Gr	ound Distance (m)	,			
			12.17			. ()	227.67		. ,	223.77		,	3.90	ħ			
Target D	epth (mKB		562.00		epth (mKB)	1	,546.63	End Depth (mk		,072.60	Depth	Progress (m)	89.60	li li			
Rig (Nan			302.00	Weathe			,	Latitude (°)			Longit	ude (°)		L			
	Orilling N			Good					22° 13' 6	5.832" S		148° 15	5' 55.608" E				
RIH to 1025m	680m.1	est dire urvey. L										to 996m. RII 072.60m rkb		ī ī			
		ectional		head f	rom 1072	60mk	KB										
Operatio	ns at 6:00													CUM TIMELO	G by OI	PERATIO	Cum Dur
Drilling Remarks		lirection	al hole	@ 11	10 mrkb									Code	1	Dur (hr)	(hr)
3 atter	npts ma				ranch #5. ill branch		attempte	ed to time d	Irill back in	nto branc	h #5	, unsuccess	ful.	DRILL		14.25	
HOUR	LY OPE	RATIO	NS SU	MMAF	RY 00:00	ΓΟ 24	:00 OF 1	HE REPO	RTING D	ΑY				WORKTIME		9.50	213.25
	End		Proble			End Depth								SAFETY		0.25	6.25
Start Time	Time	Dur (hr)	m?		ase	mKB)	Activity				om			MAINTENANO	Œ	0.00	1.50
00:00	03:00	3.00	Yes	In Sea	am 1	,223. 34	TRI	Continue	to RIH fro	m 387m	to 68	30m		MOVE		0.00	
03:00	03:15	0.25	Yes	In Sea	am /	,223.	CIR	Test directional tools.						STANDBY		0.00	109.50
03:15	04:30	1.25	Yes	In Sea	am ′	,223.	TRI	Continue	to RIH fro	m 680m	to 87	72.59m		DAILY CONT		Titl	e
04:30	08:00	3.50	Yes	In Sea	am ′	,223. 34	BRM	Ream and wash tight hole from 872.59m rkb to 996m					Jeff Wilkinson		Drilling Superintdi		
08:00	09:00	1.00	Yes	In Sea	am '	,223.	TRI	-	rkb. Continue to RIH 996m rkb to 1025m rkb.					Mohammad		Well Engi	neer
						34		<u> </u>						Rahman Vince Krawch	uk	Drilling	
09:00	09:30	0.50	Yes	In Sea	am /	,223. 34	TRI		m rkb an	d attemp	ot to	5. Pull – get into br		John Davidso		Superviso Drilling	r
09:30	23:45	14.25		In Sea	am /	,072.	DRL					ck of branch	6 at	Supervisor			
						60		983997.97	mrkb and			ectional hole		SAFETY CHECK SUMMARY			
00.45		0.05				070	OFT	1072.60m						Туре		Last Date	# Occur
23:45	00:00	0.25		In Sea	am /	,072. 60	SFT	Shift char	nge and p	re start				BOP Drill	30	/12/2012	2
шошь	L V ODE	DATIO	NC CII		27, 00.00		00 OF T	IE NEVT E	EDODIU	IC DAY				Toolbox	3/0	01/2013	16
HOUR	LYOPE	RATIO	NS 50	ANIMA	1 00:00	End	OF II	HE NEXT R	REPORTIF	NG DAY				Weekly safety	30	/12/2012	1
Start Time	End Time	Dur (hr)	Proble m?	Ph		Depth (mKB)	Activity			Co	om			Meeting both crews			
00:00	06:00	6.00		In Sea		,095.	DRL			/8" direc	tiona	l hole as pe		Weekly safety	,——		
						00		Pathfinde	rs instruct	tions. 107	2.60	m to 1095m	rkb.	meeting both			
MUD F	PROPE	RTIES												crews.			
Potass	Type sium Ba	se	09:00	Tir	ne		Depth (983.00	Den	s (sg(h2o)) 1	.054		ays/m³)	SAFETY OBS		IONS	
l .	sium Ba		14:00					989.00			.054		0	Safety Stats	Company Type	Compa	iny Rpts
	sium Ba		19:00					1,039.00			.054		0		ontracto	r Nitro	30
Potassium Base 23:45								1,072.00		1	.066		0			Drilling	
NPT												PERSONNEL					
Activity	dows 5	Oottom !	Jole A	20022	.,			Start Date	2012 11:0		End Da		00:30	Туре	Count	Reg Work Hrs (hr)	Tot Work Hrs (hr)
Commen	nt	Bottom F			у			1/01/	2013 11:0	<i>1</i> 0		3/01/2013	U 3 .3U		24	288.00	288.00
Down	hole too	l failure	Pathfi	nder.										SAFETY CHE	CKS TO		
MUD (JSED													Type Toolbox	13	Date /01/2013	e
		Des			Units		Vend	dor	Rec	Consu	med	On Loc	Daily Field Est (Cost)	Toolbox		/01/2013	
KCL					sacks						5.0	486.0		Toolbox		/01/2013	
Job S	upplies													MUD PUMP			
	S	upply Item	Des		Unit	Label		Vendor		Received		Consumed	Cum On Loc	#1, Shando	ng Qing	neng Pov	ver Co ,

Page 1/2

Stroke (mm) 187.3

Eff (%)

Rod Dia (mm)

50.8

Strokes (s...

0.007

Vol/Stk OR (m³/stk)

372.8

Slow Spd

Liner Size (mm)

127.0

P (bars)



ALL DEPTHS REFERENCE MD KB

Report Start Date: 3/01/2013

Report #: 27.0 Days From Spud: 22.00

MUD PUMP											
#2, Dez	hou	ı L&A	Petrole	um	Machin						
Pwr (kW)		Rod Dia	(mm)	Stro	ke (mm)						
37	2.8		50.8		152.4						
iner Size (m	m)		Vol/Stk C	R (n	n³/stk)						
114.3			0.005								
(bars)	Slov	v Spd	Strokes	(s	Eff (%)						
22.4	Ye	v Spd S	Strokes (95						

DRILL STRIN	G AND BIT I	NFO	RMATIO	N								
BHA #7, Late	ral											
Size (mi	m) M Run 155.6 V	_{ake} 'arel		Model IADC Codes VM613R M424				Serial Nun	Length (m) 0.20			
Nozzles (mm) ₆ 9.5/9.5/9.5/9.5	5/9.5/10.3			Bit Total Fluid Area (nozzles) (mm²) I 440				IADC Bit Dull				
String Length (m)		1,5	546.63 W	eight of	String in Air (da	N)	36	,616	BHA ROP (m	n/hr)		8.9
String Components Varel VM613R Drill Pipe, Agit	R, LXM, G2 D						r, HDS1,	HDS	S2 Xover, I	HDS2, NN	IDC, F	HWDP,
Orilling Paran	neters											
Wellbore Branch 6	Start Depth (mK 983.0	oó	1,072.	60	89.60		Time (hr) 14.25		14.25		6.3	Q Flow (m³/min) 0.75
VOB (daN) 5,338	RPM (rpm)	SPF 37	P (bars) 91	1.0	I Str Wt (daN) 25,355		Wt (daN) 28,024		tr Wt (daN) 22,241	Drilling Torqu	ue C	Off Btm Tq
SURVEY DAT	Ά											
	Date			ME	O (mKB)		Incl (°)		Azm	()	Т	VD (mKB)
3/01/2013 23:4	• •				993.70			2.48		113.78		
3/01/2013 23:4	45				1,003.30		82	2.39		113.22		
3/01/2013 23:4	45				1,012.90		84	4.15		112.88		
3/01/2013 23:4	45				1,022.60		86	6.44		113.30		
3/01/2013 23:4	45				1,031.90		88	8.55		113.73		
3/01/2013 23:4	45				1,041.20		88	8.37		116.98		
3/01/2013 23:4	45				1,050.60		88	8.37		116.27		
3/01/2013 23:4	45			1,060.00			88	8.11		116.35		
3/01/2013 23:4	45				1,069.20		8	7.93		116.54		
Underreamin	g Intervals											
Top (mKB)	Btm (mKl	3)	OD (r	nm)					Com			
Top (mKB) Btm (mKB) OD (mm) Com												



ALL DEPTHS REFERENCE MD KB

Report Start Date: 4/01/2013

Report #: 28.0 Days From Spud: 23.00

Dur (hr) Cum Dur (hr) 20.25 262.00

64.73

CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)
Surface	244.5	69.10
Intermediate	177.8	648.67

	Name	e: PD			12										
api/uwi BPD12				Downs	Qu	e/Province eenslan		Country Australia		.12101	.AD.12.001	CASING STI		OD (mm)	Set D
Well Type SIS La			Well C	onfiguration Type		d Date	12 00:00	Rig Release D	ate 013 09:00	Start Date 8/12/20	12 16:00	Surface		244.5	6
		ATIONS				10/12/20	12 00.00	10/01/20	710 00.00	0,12,20	12 10.00	Intermediate		177.8	64
		n (no plar	chan	Original KB Eleva	ation (m)		Ground Elevati			Ground Distance (
Farget De	pth (mKB	5)	12.17	Total Depth (mKl	3)	227.67	End Depth (mh		23.77 Dept	th Progress (m)	3.90				
			562.00			,546.63			05.30		132.70				
	rilling N			Fine			Latitude (°)	22° 13' 6.8		gitude (°) 148° 15	5' 55.608" E				
Drill 6 oottom Shift ch	s up. R nange a	ectional ig repair and pre	rs. Trip start.	h #6) to 1095 to shuffle HV											
Drill 6 1	1/8" dire	eport Perio ectional		nead from 120	05.30mK	Œ.						CUM TIMEL	OG by	OPERATION	ONS
	s at 6:00 6 1/8" (direction	nal hole	e @ 1280 mrk	(B.							Code		Dur (h	Cu
Remarks Dumpe	d & dilu	uted 30	bbl of o	drilling fluid to	maintaiı	n mud d	ensity.					DRILL		20.2	
				MMARY 00:0				RTING DAY	,			WORKTIME		20	00 21
Start	End		Proble		End Depth										
Time	Time	Dur (hr)	m?	Phase	(mKB)	Activity		1. 1.11 0.4/0	Com	.1.61		MAINTENAN	1CE	1.5	
00:00	06:00	6.00		In Seam	1,095. 00	DRL				al hole as pe		SAFETY		0.2	
06:00	06:15	0.25		In Seam	1,095.	RSV	Rig service	ce and chan	ge out bro	ken springs c	n shaker.	STANDBY		0.0	
06:15	16:00	9.75		In Seam	00 1,175.	DRL	Continue	to drill 6 1/9	" direction	al hole as pe	-				
0.15	10.00	9.75		III Sealii	00					ai noie as pei i to 1175m rk		DAILY CON			T:11.
16:00	16:15	0.25		In Seam	1,175. 00	RMR	Circulate	bottoms up.				Job Cont Jeff Wilkinso		Drilling Superint	Title
16:15	16:30	0.25	Yes	In Seam	1,175. 00		Rig Servi	ce.				Mohammad		Well En	
16:30	17:15	0.75	Yes	In Seam	1,175.	RMR	Repair wh	hip check cla	amp in der	rick.		Rahman Vince Krawc	huk	Drilling	
17:15	19:15	2.00		In Seam	00 1,175.		Flow ched	ck and pull o	out of hole	with 14jts of	HWDP.	<u> </u>		Supervis	sor
					00		RIH with	8 joints of 3	1/2" drill p	ipe and 7jts o	of HWDP.	John Davids	on	Drilling Supervis	sor
19:15	23:45	4.50		In Seam	1,205.				,	1/8" direction		SAFETY CH	ECK SI		
					30		per Patni	inders instru	ictions. 11	75m to 1205.	30m rkd.	BOP Drill	:	Last Date 30/12/2012	2
23:45	00:00	0.25		In Seam	1,205. 30	SFT	Shift char	nge and pre	start.			Toolbox		4/01/2013	+
HOUR	V ODE	DATIO	NC CI	IMMADY 00.0	<u> </u>		LIE NEVT E	PEDODTING	2 DAY			Weekly safe		30/12/2013	
Start	End		Proble	MMARY 00:0	End Depth			REPORTING	DAY			Meeting both crews	וֹ		
Time 00:00	Time 12:00	12.00	m?	Phase In Seam	(mKB) 1,357. 00		Continue			1/8" direction 05.30 to1357		Weekly safe meeting both crews.			
MUD D	DODE											SAFETY OB	SERVA	TIONS	
MUD P	ROPEI Type	KIIES	Т	Time		Depth	(mKB)	Dens (sg(h2o))	Vis (d	ays/m³)	Safety Stats	Compai Type		npany
Potass	ium Ba	se	04:00			•	1,101.00		1.05		0		Contrac	tor Nitro	
	ium Ba: ium Ba:		12:00 18:00				1,155.00 1,175.00		1.09 1.11		0			Drillin	
	ium Ba		23:4				1,175.00		1.11		0	PERSONNE	L LOG	Reg Work	Tot \
NPT			1				.,					Туре	Count 17	Hrs (hr)	Hrs
Activity	a) o mi al c/A	40 old				Start Date	2012 16:15	End		17.15	SAFETY CH			
Commen		Derrick/N	viask				4/01/	2013 16:15		4/01/2013	17:15	Туре	ECKS I	D	Date
•		clamp	on whi	check in de	rick							Toolbox		4/01/2013	
MUD U	SED				<u> </u>			I		1	Daily Field	Toolbox		4/01/201	<u> </u>
AusDe		Des		Unit	3	Ver	idor	Rec	Consumed	_	Est (Cost)	#1, Shand	ona Oir	ngneng P	ower
Defoan				sacks				5.0	2.			Pwr (kW)	Rod Dia	(mm) Str	roke (mn
KCL				sacks				0.0	5.			372.8 Liner Size (mm)	<u>ال</u>	50.8 Vol/Stk OR (m³/stk)
Residri	II			sacks					1.			127.0		0.007	
										1		P (bars) Slo	ow Spd	Strokes (s	. Eff (%
												\vdash			

WORKTIN	ΛE			2.0	0	21	5.25
MAINTEN	ANC	Œ		1.5	0	-;	3.00
SAFETY				0.2			6.50
MOVE				0.0			9.75
STANDBY	,			0.0	_		9.50
STANDET				0.0	U	10.	9.50
DAILY CO			<u> </u>				
Job C Jeff Wilkin		ct	- D	rilling	Title	•	
			Sı	uperint			
Mohamma Rahman	ad		W	ell Eng	gin	eer	
Vince Krav	wchi	uk		illing			
			Sı	upervis	or		
John Davi	dsor	า	Di	illing			
			Sı	upervis	or		
SAFETY		CK S					
Typ BOP Drill	е			st Date 2/2012	,	# O	ccur 2
BOP DIIII			30/1	2/2012	<u> </u>		2
Toolbox			4/01	/2013	T		18
Weekly sa Meeting be crews			30/1	2/2012	2		1
Weekly sa	fetv				+		
meeting b							
crews.							
SAFETY (OBS	ERV	ATIO	NS			
Safety Stats		Compa		Com	nar	nv.	# Rpts
SLAM		ontra		Nitro	γal	·y	17
				Drilling	g		
PERSON	NEL	LOG					
Туре		Coun		g Work rs (hr)		Tot V Hrs	
.,,,,		17	_	204.00			4.00
SAFETY (CHE	CKS	TOD	AY			
Ту	ре				ate		
Toolbox				1/2013			
Toolbox			4/0	1/2013	3		
MUD PUN							
#1, Sha		ng Qi Rod Di					
	2.8	ROU DI		0.8	лке	(mm 1	1) 87.3
Liner Size (mı				Stk OR (r	n³/:		
127.0			0.0				
P (bars)	Slow	Spd	Stro	kes (s	E	H (%)	

Report Printed: 24/01/2013



Drilling Parameters

Wellbore Branch 6 | Start Depth (mKB) | End Depth (mKB) | Cum Depth (m) | 1,072.60 | 1,205.30 | 222.30 |

Daily Drilling Report

ALL DEPTHS REFERENCE MD KB

Report Start Date: 4/01/2013

Report #: 28.0 Days From Spud: 23.00

****	Italiic. I Diz	.0.											
Job Su	pplies								MUD	PUMP			
	Supply Item Des	3	Unit Lal	bel Ve	endor	Received	Consumed	Cum On Loc	#2,	Dezho	u L&A	Petroleu	ım Machin
									Pwr (kV	,	Rod Dia	` '	Stroke (mm)
DRILL:	STRING AND BIT	INFORMATI	ON						Liner Si	372.8		50.8 Vol/Stk OR	152.
BHA #7	, Lateral								114.3	LC (IIIII)		0.005	. (111 / Out)
(Bit Run)		Make		lodel	IADC Codes		Serial Number	Length (m)	P (bars)	Slo	w Spd	Strokes (s	Eff (%)
7	Bit Run 155.6	Varel	V	/M613R	M424		4001684	0.20					
Nozzles (n	nm) ₆		Bit Total FI	uid Area (nozzles) (mr	n²)	IADC Bit Dull	•	•					
9.5/9.5/	9.5/9.5/9.5/10.3		440										
String Len	gth (m)		Weight of	String in Air (daN)		BHA ROP (m/h	nr)						
		1,546.63			36,616			8.9					
String Con	nponents												
Varel V	M613R, LXM, G2	Dynadrill, Flo	at Sub, I	UXM, DPM, Xove	er, HDS1, HDS	S2 Xover, H	DS2, NMDC, F	HWDP,					
Drill Pip	e, Agitator, Shock	k Sub, Drill Pip	oe, HWD	P, Drill Pipe									

Drilling Time (hr) Cum Drill Time (... Int ROP (m/hr) 20.25 34.50

6.6

0.757

	, -		, -								
WOB (daN)	RPM (rpm)		SPP (bars)		` '			` ,	Drilling Torqu	ıe	Off Btm Tq
5,338		37	1	06.5	28,024	30,248		25,355			
SURVEY DAT	Α										
	Date				MD (mKB)	Incl (°)		Azm	ı (°)		TVD (mKB)
4/01/2013 23:	45				1,078.50	87	7.49		115.76		
4/01/2013 23:	45				1,096.90	89	9.16		115.53		
4/01/2013 23:	45				1,106.30	88	3.55		114.92		
4/01/2013 23:	45				1,115.60	88	3.29		114.93		
4/01/2013 23:	45				1,124.90	88	3.20		115.48		
4/01/2013 23:	45				1,134.30	88	3.46		116.10		
4/01/2013 23:	45				1,143.70	88	3.46		116.31		
4/01/2013 23:	45				1,155.20	88	3.81		116.31		
4/01/2013 23:	45				1,164.30	89	9.08		116.53		
4/01/2013 23:	45				1,173.60	89	9.16		116.33		
4/01/2013 23:	45				1,183.00	89	9.08		116.23		
4/01/2013 23:	45				1,192.30	88	3.90		116.62		
4/01/2013 23:	45				1,201.60	88	3.81		116.47		

Underreaming Intervals												
Top (mKB)	Btm (mKB)	OD (mm)	Com									



ALL DEPTHS REFERENCE MD KB

Report Start Date: 5/01/2013

Report #: 29.0 Days From Spud: 24.00

CASING STRINGS		
Csg Des	OD (mm)	Set Depth (mKB)
Surface	244.5	69.10
Intermediate	177.8	648.67

wen name.	PDIZVA			
API/UWI	Field Name	State/Province	Country	WBS Code
BPD12001	Peak Downs	Queensland	Australia	C.A5.BPD.AD.12.001 .12101
Well Type SIS Lateral	Well Configuration Type	Spud Date 13/12/2012 00:00	Rig Release Date 10/01/2013 09:00	Start Date 8/12/2012 16:00

0.0 =0.10.0												
DAILY OPERATIONS												
Most Likely Duration (no plan of	han	Original KB Elevation (n	n)	Ground Elevation	on (m)	KB-Ground	Distance (m)					
1	12.17		227.67		223.77			3.90				
Target Depth (mKB)		Total Depth (mKB)		End Depth (mK	(B)	Depth Prog	ress (m)					
1,56	32.00		1,546.63		1,462.90			257.60				
Rig (Names)		Weather		Latitude (°)		Longitude (°)					
Nitro Drilling NitroD1		Fine			22° 13' 6.832" S		148° 15' 5	55.608" E				
Operations Summary Drill 6 1/8" directional (branch #6) to 1357m rkb. Shift change and pre start.Continue to drill 6 1/8" directional to 1366m rkb. BOP drill. Continue to drill 6 1/8" directional to 1462.90m rkb.Circulate. POOH to 1251m rkb. Rig												

repairs. Continue to POOH to 1233m rkb.

Operations Next Report Period

Continue to POOH. Change BHA. Run back in hole. Drill 6 1/8 " directional hole ahead from 1462.90m rkb.

Operations at 6:00

	g out of	hole fo	r BHA	change @ 34	19mKB.					Cod	e 1	Dur (hr)	Cum Dur (hr)
			aking o	out drill pipe v	vith iron ro	ough nec	k because	of the placement of har	d banding on some	DRILL			280.00
			NS SL	JMMARY 00:0		:00 OF T	HE REPOI	RTING DAY		WORKTIME			220.25
Start	End		Proble		End Depth					SAFETY		0.50	7.00
Time	Time	Dur (hr)	m?	Phase	(mKB)	Activity		Com	200 11 11 11	MAINTENAI	NCE	0.50	3.50
00:00	12:00	12.00		In Seam	1,357. 00	DRL		to drill and survey 6 1/8 nders instructions.1205.		MOVE		0.00	59.75
							pei raiiiii	nders instructions. 1205.	30 (01337.00IIIIKB.	STANDBY		0.00	109.50
12:00	12:15	0.25		In Seam	1,357. 00	SFT	Shift chan	ge and pre start.		DAILY CON			
12:15	12:30	0.25		In Seam	1,366.	DRL	Continue	to drill and survey 6 1/8	B" directional hole as	Job Cor	tact	Title	Э
1					00			nders instructions.1357		Jeff Wilkinso	on	Drilling Superintdr	nt
12:30	12:45	0.25		In Seam	1,366. 00	SFT	Perform E	OP drill well secured in	86sec.	Mohammad Rahman		Well Engir	neer
12:45	18:30	5.75		In Seam	1,462. 90	DRL		to drill and survey 6 1/8 nders instructions.1366		Vince Krawo	huk	Drilling Supervisor	r
18:30	20:30	2.00		In Seam	1,462.	CIR	to1462.90	mrKB.	hole for RHA	John Davids	on	Drilling Supervisor	r
10.50	20.50	2.00		III Scalli	90	CIIX	change.	well clean for trip out of	HOIC IOI DI IA	0.4.===>/.01			
20:30	23:00	2.50		In Seam	1,462.	TRI		k and POOH to 1251m.		SAFETY CH Type	IECK SU	Last Date	# Occur
					90					BOP Drill	5.	/01/2013	3
23:00	23:30	0.50	Yes	In Seam	1,462.	RMR		Problems breaking out pipes change out dies in iron		Toolbox	5.	/01/2013	20
					90			rough neck.		Weekly safe	ty 3	0/12/2012	1
23:30	00:00	0.50		In Seam	1,462. 90	TRI	Continue	to POOH to 1233m rkb.		Meeting both crews			
HOUR	LY OPE	RATIO	NS SL	JMMARY 00:		0 OF TH	E NEXT R	EPORTING DAY		Weekly safe	, ,		
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity		Com		crews.			
00:00	01:15	1.25		In Seam	1,462.	TRI	Continue	to POOH from 1233m to	985mKB.	SAFETY OF			
04.45	00.45	4.00		1. 0	90	OID	NA/ - 1 - 1 - 1		List of a date	Safety Stats	Company Type	y Compa	ny Rpts
01:15	02:15	1.00		In Seam	1,462. 90	CIR		ng up and down through @ 983m Run back in ho		SLAM	Contract		25
								ey to confirm we are bac				Drilling	
							Survey ok			PERSONNE	L LOG S	UMMARY	
02:15	08:45	6.50		In Seam	1,462.	TRI		k and continue to POOI		T	01	Reg Work	Tot Work
					90		m. Pulled (648.8m).	tight from 848 to 800m,	748 to casing shoe	Туре	Count 18	Hrs (hr) 216.00	Hrs (hr) 216.00
MUD F	ROPER	RTIES					•			SAFETY CH			
	Туре			Time		Depth (r	mKB)	Dens (sg(h2o))	Vis (days/m³)	Туре		Date	•
Potass	ium Bas	se	04:0				1,244.00	1.126	0	BOP Drill		5/01/2013	
	ium Bas		08:0				1,316.00	1.114	0	Toolbox	I	5/01/2013	
Potass	ium Bas	se	12:0				1,357.00	1.114	0	Toolbox		5/01/2013	
	ium Bas		15:0				1,405.00	1.114	0	MUD PUMP			
	ium Bas		18:0				1,453.00	1.114	0	#1, Shanc			
Potass	ium Bas	se	22:3	0			1,462.00	1.114	0	Pwr (kW) 372.5	Rod Dia (mm) Stroke	e (mm) 187.3
											- 1		

MUD PROPERTIES				
Туре	Time	Depth (mKB)	Dens (sg(h2o))	Vis (days/m³)
Potassium Base	04:00	1,244.00	1.126	0
Potassium Base	08:00	1,316.00	1.114	0
Potassium Base	12:00	1,357.00	1.114	0
Potassium Base	15:00	1,405.00	1.114	0
Potassium Base	18:00	1,453.00	1.114	0
Potassium Base	22:30	1,462.00	1.114	0

NPT		
Activity	Start Date	End Date
Breakdown - Pipe Handling Equipment	5/01/2013 23:00	5/01/2013 23:30
Comment		

CUM TIMEL	٥.	G by	0	PE	RATIC	N	IS	
							Cur	n Dur
Cod	de 1				Dur (hr	_		hr)
DRILL					18.0	0	280	0.00
WORKTIME	=				5.0	0	22	0.25
SAFETY					0.5			7.00
MAINTENA	NC	Œ			0.5	0	,	3.50
MOVE					0.0	0	59	9.75
STANDBY					0.0	0	109	9.50
DAILY CON			3					
Job Cor		ct		_		itle	9	
Jeff Wilkins	on				rilling uperinto	dn	it	
Mohammad Rahman				W	ell Eng	jin	eer	
Vince Krawo	shi	ık		Ь,	Drilling			
VIIICE RIAW	JK.			upervis	or			
John Davids	sor	1			rilling upervis	or		
SAFETY CH	1F	CK S	:11	MN	IARY			
Туре	_				st Date	Т	# O	ccur
BOP Drill			5	5/01/2013				3
Toolbox			5.	5/01/2013				20
Weekly safe Meeting bot crews	ety h		3	0/1	2/2012			1
Weekly safe meeting bot crews.								
SAFETY OF	38	ERV	A٦	ГΙΟ	NS			
Safety Stats		Comp Typ	е		Comp	oar	ny	# Rpts
SLAM	С	ontra	ct	or	Nitro Drillino	9		25
PERSONNE	ΞL	LOG	S	SUN	/IMAR	′		
Туре	ıt		g Work rs (hr)		Tot V Hrs			
.,,,,,,	ht Hrs (hr) Hrs (hr) 3 216.00 216.00							
SAFETY CHECKS TODAY								
Туре			1	= /6		ate		
BOP Drill			1	5/0	1/2013	•		

Strokes (s...

Report Printed: 24/01/2013

0.007

127.0

P (bars)



ALL DEPTHS REFERENCE MD KB

Report Start Date: 5/01/2013

Report #: 29.0 Days From Spud: 24.00

	MUD PU	MP									
Daily Field Est (Cost)	#2, De	# 2 , Dezhou L&A Petroleum Machin									
ist (Cost)	Pwr (kW)		Rod Dia	(mm)) Stroke (mm)						
	3	72.8		50.8		152.4					
	Liner Size (n	nm)		Vol/Stk C	ol/Stk OR (m³/stk)						
	114.3			0.005							
	P (bars)	Slov	v Spd	Strokes	(s	Eff (%)					
	22.0	Ye	s	Strokes 48	`	95 ′					

MUD USED												
ı	Des		Units		Ven	ıdor	Re	c Consi	ımed	On Loc		ily Field t (Cost)
AusDex	sac			¥ 011		110	30/19/	1.0	98	_	. (0001)	
KCL		sac	ks	+					5.0	476	.0	
XanBore		sac		+					2.0	56	.0	
Joh Cumpling				_								
Job Supplies	ply Item Des		Unit	Label		Vendor		Received		Consumed	Cum	On Loc
	pry item bee		Offic	Lubei		Vendor		received		Jonounica	Oum	011 200
DDILL STRING	AND DIT INC	ODMATI	ON									
DRILL STRING BHA #7, Latera		ORMATI	ON									
Bit Run Size (mm)				Model		IADC Co	des		Seria	Number	Ler	ngth (m)
7	155.6 Vare	el		VM61	-	M424				1684		0.20
Nozzles (mm) 9.5/9.5/9.5/9.5/9	5/10 3		Bit Tota 440	Fluid Are	ea (nozzle	es) (mm²)		IADC Bit Dull				
String Length (m)	7.07 10.0			of String i	in Air (da	N)		BHA ROP (m	ı/hr)			
		1,546.63					36,616	6				8.8
String Components Varel VM613R,	I XM G2 Dvn	adrill Flo	at Sub	MXII	DPM	Yover HDS	1 HD	S2 Yover I	4DS2	NMDC	HWDE	,
Drill Pipe, Agitat							טוו, ווט	02 AUVEI, I	1002,	I VIVIDO,	. 144 DF	,
Drilling Parame	-	·										
Wellbore St	art Depth (mKB)					Drilling Time (hr		Drill Time (Int ROP		Q Flow (
Branch 6	1,205.30	-	2.90		179.90	17.	-	52.25	Daillina	14.5	Off Diam.	0.757
WOB (daN) RI 5,338	PM (rpm)	SPP (bars) 1	09.8	Orill Str Wi	t (daN) 35,586	PU Str Wt (daN 39,5		Str Wt (daN) 30,248	Drilling	rorque	Off Btm	ıq
SURVEY DATA								,= . •				
SURVET DATA	Date			MD (mKB	a) I	Incl (°)		Azm	ı (°)		TVD (mk	(B)
5/01/2013 23:45					11.00	11101 ()	88.64		116.	20	.,,,	,
5/01/2013 23:45				1,2	20.40		88.37		116.	53		
5/01/2013 23:45	;				29.70		88.37	1	116.	36		
5/01/2013 23:45	;			1,2	39.40		88.64		116.	33		
5/01/2013 23:45	;			1,2	48.90		88.55		116.	66		
5/01/2013 23:45	j			1,2	58.60		88.55		116.	52		
5/01/2013 23:45	j			1,2	,268.30 88.46 115		115.	72				
5/01/2013 23:45	;			1,2	77.90		88.81 115		115.	50		
5/01/2013 23:45	j				87.50	88.99			114.	80		
5/01/2013 23:45	;			1,2	1,297.20 88.90		1	113.77				
5/01/2013 23:45	j			1,306.70			88.81 113.40			40		
5/01/2013 23:45	;			1,3	16.20		87.85	114.36				
5/01/2013 23:45				1,3	25.70		87.05		115.18			
5/01/2013 23:45				1,3	35.30		86.26	1	115.	72		
5/01/2013 23:45	<u> </u>			1,3	44.70		86.26		115.	68		
5/01/2013 23:45	;			1,3	54.30		86.88	1	116.	02		
5/01/2013 23:45					63.90		86.97		115.97			
5/01/2013 23:45	i			1,3	73.60		87.49		116.	57		
5/01/2013 23:45	j			1,3	83.30		87.67		116.	98		
5/01/2013 23:45	j			1,3	92.70		87.49		117.	19		
5/01/2013 23:45	j			1,4	02.30		87.32		117.13			
5/01/2013 23:45	j			1,4	11.90		87.41			39		
5/01/2013 23:45	j		1,421.50				88.11		116.59			
5/01/2013 23:45			1,4	31.20		87.93		117.	03			
5/01/2013 23:45			1,4	40.80		89.78		116.	83			
IIndorroamina	intervais		. ()					Com				
Underreaming Top (mKB)	Btm (mKB)	()[(mm)									



ALL DEPTHS REFERENCE MD KB

Report Start Date: 6/01/2013

Report #: 30.0 Days From Spud: 25.00

		e: PD	120A	<u> </u>										<u> </u>	
API/UWI			Field N			te/Province		Country		WBS Code	CASING S	TRINGS			
BPD12				Downs		ieensland		Australia		C.A5.BPD.AD.12.001 .12101	Csg D	es	OD (mr	n)	Set Depth (mKB)
Well Type			Well C	onfiguration Type		id Date	10.00.00	Rig Release Date	.00	Start Date	Surface		244		69.10
SIS La						13/12/201	12 00:00	10/01/2013 09	:00	8/12/2012 16:00	Intermediat	е	177	.8	648.67
	-	ATIONS		In					145 -	15:4					
Most Like	ely Duratio	on (no plar	n chan 12.17	Original KB Eleva	ation (m)	227.67	Ground Elevat	223.77	KB-Gro	ound Distance (m) 3.90	 				
Target De	epth (mKB		562.00	Total Depth (mKE	B)	1,546.63	End Depth (ml	KB) 1,502.00	Depth I	Progress (m) 39.10] [
Rig (Nam	nes) Orilling N	,	002.00	Weather			Latitude (°)	22° 13' 6.832" S	Longitu		1[
Operation	ns Summa	ary		Clear											
branch	#6 fron	n 1462 i	to 1502		√IRS dire	ectional a	ssembly w	/ 6-1/8" bit. RIH. C	ircula	te bottoms up. Drill	<u> </u>				
Drill ah	ead to	eport Perio branch 7		Circulate & co	ondition	hole. Wip	per trip.]				
Drilling		#6 @ 1	539ml	MD.							CUM TIME	LOG by	OPERA	TION	Cum Dur
Remarks		od to Dr	71201/	with renains	magagt							de 1		ır (hr)	(hr)
				with ranging r			HE REPO	RTING DAY			WORKTIMI	E	1	9.75	240.00
Start	End		Proble		End Depth						DRILL			2.50	282.50
Time 00:00	Time 01:15	Dur (hr) 1.25	m?	Phase In Seam	(mKB) 1,462.	Activity . TRI	Com Continue to POOH from 1233m to 985mKB.				SAFETY			1.25	8.25
		<u> </u>			90)					MAINTENA	NCE		0.50	4.00
01:15	02:15	1.00		In Seam	1,462. 90		Work string up and down through kick of point for branch 6 @ 983m Run back in hole to 1115m and				MOVE			0.00	59.75
							take survey to confirm we are back in the right branch. Survey ok.				STANDBY			0.00	109.50
02:15	08:45	6.50		In Seam	1,462.	. TRI	Flow che	ck and continue to	POO	H from 1115m to 349	DAILY CO				
					90)			800m	748 to casing shoe	Job Co Jeff Wilkins		Drillin	Title	•
08:45	11:00	2.25		In Seam	1,462.	. MBH	(648.8m)		anac	out LXM for RMRS	Jeli Wilkins	UII	Supe	•	nt
					90)	surveying	tool.			Mohammad Rahman		Well Engi		ieer
11:00	11:30	0.50	Yes	In Seam	1,462. 90		Rig repair	r - replace iron rou	ghned	ck díes.	Vince Kraw	chuk	Drillin		
11:30	12:30	1.00		In Seam	1,462.	. SFT				d having good JSAs,	1		Supe		•
					90		condition	s, rain & lightning	aware	nit to Work, driving ness, & reviewed	John David	son	Drillin Supe		
					<u> </u>	1	''	Objects safety ale			SAFETY C	HECK S	UMMAF	RY	
12:30	21:15	8.75		In Seam	1,462. 90		RIH, was	h last 2 singles do	wn.		Туре		Last Da	ate	# Occur
21:15	23:45	2.50		In Seam	1	. DRL	Drill 6-1/8	3" branch #6 ahead	d from	1462 to 1502mKB.	BOP Drill Toolbox		5/01/20		20
00 :-	00.55				90					1462.90 m	Weekly saf	ety	30/12/2		1
23:45	00:00	0.25		In Seam	1,462. 90		Crew change meeting.				Meeting bo				
HOUR	LY OPE	RATIO	NS SU	MMARY 00:0	00 TO 6:	:00 OF TH	HE NEXT F	REPORTING DAY			Weekly saf	,	6/01/20	13	1
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity			om		meeting bo crews.	tn 			
00:00	08:30	8.50	1117	In Seam	1,546.	. DRL		to drill 6 1/8" direc	tional	hole 1502m rkb to	SAFETY O	BSERV	ATIONS		
					63	3		n rkb TD as per dii ns Had 200 psi pre		al drillers loss and a 2bbl loss	Safety Stats	Safety Stats Type Company Rpts			
								ering target well a	SLAM	Contrac			17		

PERSONNE	EL LOG SUN	MARY
OLAW		Drilling

Vis (days/m³)

6/01/2013 11:30

Туре	Count	Reg Work Hrs (hr)	Tot Work Hrs (hr)							
	17	204.00	204.00							

	SAFETY CHECKS TODAY										
1	Туре	Date									
١	Weekly safety	6/01/2013									
1	meeting both										
	crews.										
ı											

MUD PUN	ΙP						
#1, Sha	ndo	ng Qir	ngneng	Po	wer Co,		
Pwr (kW)		Rod Dia	Rod Dia (mm) Stroke (r				
37	2.8		50.8				
Liner Size (m	m)		Vol/Stk OR (m³/stk)				
127.0			0.007				
P (bars)	Slov	v Spd	Strokes (s Eff (%)				

MUD USED

NPT

MUD PROPERTIES

Type
Potassium Base

21:00

Comment
Repair iron roughneck dies. Add chain to backplate to prevent dies from falling out.

Breakdown - Pipe Handling Equipment

Des	Units	Vendor	Rec	Consumed	On Loc	Daily Field Est (Cost)
AusDex	sacks		61.0	1.0	158.0	
KCL	sacks		133.0	5.0	604.0	
Residrill	sacks		9.0	1.0	137.0	
XanBore	sacks			1.0	55.0	

Depth (mKB)

1,462.00

6/01/2013 11:00

Job Supplies

ı	Jon Subbiles					
	Supply Item Des	Unit Label	Vendor	Received	Consumed	Cum On Loc
		•				

Dens (sg(h2o))

1.102



ALL DEPTHS REFERENCE MD KB

Report Start Date: 6/01/2013

Report #: 30.0 Days From Spud: 25.00

weii	Name	9: PD12	20A												
DRILL S	STRING	G AND BIT	INFO	RMATI	ON										
BHA #7	, Later	al													
Bit Run 7	Size (mn	n) 155.6	Make Varel			Model VM613	—— ВR		IADC Code M424	:S		Serial Nu 40016		L	ength (m) 0.20
Nozzles (m 9.5/9.5/	,	/9.5/10.3			Bit Tota 440	al Fluid Area	(nozzle	es) (mm	2)		IADC Bit Dull	•			
String Length (m) 1,546.63					Weight of String in Air (daN) BHA ROP (m/				ı/hr)			8.9			
Varel VI	String Components //arel VM613R, LXM, G2 Dynadrill, Float Sub, UXM, DPM, Xover, HDS1, HDS2 Xover, HDS2, NMDC, HWDP, Drill Pipe, Agitator, Shock Sub, Drill Pipe, HWDP, Drill Pipe														
Drilling	Drilling Parameters														
Wellbore Branch		Start Depth (n 1,462			mKB) 2.00	Cum Depth 5	(m) 19.00	Drilling	Time (hr) 2.50		Drill Time (54.75	Int ROP (m	/hr) 15.6		(m³/min) 0.757
WOB (daN	1) 5,338	RPM (rpm)	37 SF	PP (bars)	10.3	Drill Str Wt	^(daN) 5,586		Wt (daN) 39,589		tr Wt (daN) 30,248	Drilling Tore	que	Off Btn	ı Tq
SURVE	Y DAT	A													
		Date				MD (mKB)			Incl (°)		Azm (°)		TVD (mKB)		ıKB)
Underre	eaming	Intervals	j												
Top (r	mKB)	Btm (m	KB)	OD	(mm)						Com				



Report Start Date: 7/01/2013

Report #: 31.0 Days From Spud: 26.00

CASING STRINGS								
Csg Des	OD (mm)	Set Depth (mKB)						
Surface	244.5	69.10						
Intermediate	177.8	648.67						

OFF	0)	"					Da	ily Drilling	Rep	ort	Коро	t Otal	Re	'n
		energ				A	LL DEP	THS REFERI	ENC	E MD KB	D	ays F		•
API/UWI		e: PD	Field N		State	e/Province		Country		IWBS Code	CASING ST	DINGS		_
BPD12				Downs		eensland	I	Australia		C.A5.BPD.AD.12.001	Csg De		OD (m	m)
Well Type			Well C	onfiguration Type	1 '	d Date		Rig Release Date		Start Date	Surface	-	244	
SIS La					11	3/12/20	12 00:00	10/01/2013 09	9:00	8/12/2012 16:00	Intermediate	,	177	7.8
	-	ATIONS on (no plan		Original KB Elev	ation (m)	Т	Ground Eleva	tion (m)	KR-Gr	ound Distance (m)	4			
			12.17		. ,	227.67		223.77	7	3.90	<u>)</u>			
Target De	epth (mKB		562.00	Total Depth (mK	,	,546.63	End Depth (m	кв) 1, 54 6.63		Progress (m) 44.63	<u> </u>			
Rig (Nam Nitro D	es) rilling N			Weather Clear			Latitude (°)	22° 13' 6.832" S	Longit	ude (°) 148° 15' 55.608" E	11			
Drill 6 and wo POOH	ork pipe to 957r to 660r	ectional through n. Rean n rkb. W	n kick on and work tig	of point at 983 work pipe thro	3m rkb. R ough tigh	un in to t spots b	1115m tak ack to 810	te survey to confirm rkb. Circulate b	n we a				<u> </u>	
		port Perio mule sh		ΓD. Run 45mı	m guick r	un poly r	oipe as per	r programe.			CUM TIMEL	.OG by	OPER/	٩T
Operation	ns at 6:00					. , , ,					Cod			ur (
Rig ser Remarks											WORKTIME	Ė	'	15.
								se and loss of 2bb while circulating 8			DRILL			8.
HOUR	LY OPE	RATIO	NS SU	MMARY 00:0		:00 OF 1	HE REPO	ORTING DAY			MAINTENA	NCE		0.
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com				STANDBY			0.
00:00	08:30	8.50	1111	In Seam	1,546.	DRL		to drill 6 1/8" dire	ctiona	I hole 1502m rkb to	MOVE			0.
	63 1546.63m rkb TD as per directional drillers instructions.Had 200 psi pressure loss and a 2bbl loss				SAFETY			0.						
							when ent	tering target well a	at TD		DAILY CON	TACTS	;	
08:30	10:15	1.75		In Seam	1,546. 63	CIR	Circulate well clean for trip.				Job Cor Jeff Wilkins		Drillin	_
10:15	13:30	3.25		In Seam	1,546.	TRI	Flow che	eck and POOH to9	76m r	kb.	- Jen wiikinsi	ווע	Supe	
					63						Mohammad		Well	Er
13:30	14:00	0.50		In Seam	1,546. 63	CIR				k of point at 983m nd survey to corfirm	Rahman Vince Kraw	rhuk	Drillin	<u></u>
								n branch # 6.		,	I vinoc raw	n laik	Supe	
14:00	14:30	0.50		In Seam	1,546. 63	TRI	Flow che	eck and continue to	POC)H to 957m rkb.	John Davids	on	Drillir Supe	•
14:30	16:00	1.50		In Seam	1,546. 63	OTH		nd work tight spots 00m to 810m.	957m	n to 947m. 928m to	SAFETY CH	IECK S	UMMA	RY
16:00	16:30	0.50		In Seam	1,546.	CIR		bottoms up and c	lo a flo	ow check.	Type		Last D	
					63						BOP Drill Toolbox		5/01/20 7/01/20	
16:30	17:30	1.00		In Seam	1,546. 63	TRI	Continue	to POOH 810m	to 660	m	Weekly safe	ety	30/12/2	
17:30	18:00	0.50		In Seam	1,546. 63	ОТН	Ream an	nd work tight hole	@ 654	lm to 648m.	crews Weekly safe		0/04/00	146
18:00	22:00	4.00		In Seam	1,546. 63	TRI	Flow che	Flow check and continue to POOH to BHA.				h	6/01/20	113
22:00	00:00	2.00		In Seam	1,546. 63	BBH	Break ou	it and lay out direc	tional	ВНА.	SAFETY OF	3SERV	ATIONS	;
HOUR	LY OPE	RATIO	NS SU	IMMARY 00:0	00 TO 6:0	00 OF TI	HE NEXT I	REPORTING DAY	,		Safety Stats	Compa Type		Co
					End						SLAM	Contra	ctor Ni	tro
Start Time	End Time	Dur (hr)	Proble m?	Phase	Depth (mKB)	Activity		(Com				lDi	rilli
00:00	00:30	0.50		In Seam	1,546. 63	SFT	Shift cha	nge and pre start.			PERSONNE	L LOG		
00:30	05:30	5.00		In Seam	1,546.	TRI	RIH with	n mule shoe on 3.1	1/2" dr	ill pipe to 576m rkb	Туре	Count	,	hr)
					63		1			rack 25jts at a time		17		
05:30	06:45	1.25		In Seam	1,546.	DG//	Change	oil and filters on rig	n engi	ne	SAFETY CH		TODAY	
55.50	00.40	1.20		iii Geaill	63		- Change	on and inters on H	y Grigii	iio.	Toolbox		7/01/2	201
MUDE	ROPER	RTIFS					1				Toolbox		7/01/2	201
UD	LI	0									1			_

INIOD I IXOI EIXIIEO				
Туре	Time	Depth (mKB)	Dens (sg(h2o))	Vis (days/m³)
Potassium Base	08:00	1,546.63	1.114	0
Potassium Base	08:00	1,546.63	1.114	0
Potassium Base	23:45	1,546.63	1.114	0

MUD USED										
Des	Units	Vendor	Rec	Consumed	On Loc	Daily Field Est (Cost)				
XanBore	sacks		20.0	2.0	73.0					

CUM TIMEL	0	G by	O	PE	RATIC	N	S		
Cod	le 1				Dur (hr)		n Dur hr)	
WORKTIME					15.5	0		5.50	
DRILL					8.5	0	29 ⁻	1.00	
MAINTENAI	NC	E	_		0.0	0	-	4.00	
STANDBY					0.0	0	109	9.50	
MOVE					0.0	0	59	9.75	
SAFETY	_		_		0.0	0	8	3.25	
DAILY CON			}						
Job Cor		et .		<u>_</u> ,		itle			
leff Wilkinson				Drilling Superintdnt					
Mohammad Rahman				W	ell Eng	jin	eer		
/ince Krawo	chu	ık		Sı	illing ipervis	or			
lohn Davids	or	1			illing ipervis	or			
SAFETY CH	ΙE	CK S	U						
Туре			Ļ	Last Date # Occur					
BOP Drill	_		5/01/2013						
Toolbox			Ľ		/2013	\perp		22	
Weekly safe Meeting both crews	h		3	0/1	2/2012			1	
Weekly safe neeting bot crews.			6	/01	/2013			1	
SAFETY OF	38	ERV	A٦	ΓIO	NS				
Safety Stats		Compa Type		у	Comp	rar	ıv.	# Rpts	
SLAM Contra				or	Nitro Drilling		.,	18	
PERSONNE	ΞL	LOG	S	SUN	MARY	1			
			Т	Re	g Work	_	Tot V		
Туре		Coun 17	_		Hrs (hr) Hrs (hr) 204.00				
	_		.04.00	L	20-	7.00			

7/01/2013

7/01/2013

/ol/Stk OF

Report Printed: 24/01/2013

0.007 Strokes (s.

Stroke (mm) 187.3

#1, Shandong Qingneng Power Co, Rod Dia (mm) 50.8

2 , Dezhou L&A Petroleum Machin Rod Dia (mm) 50.8

MUD PUMP

Liner Size (mm) 127.0

372.8

372.8



Drilling Parameters

5,338

SURVEY DATA

Wellbore Branch 6

WOB (daN)

Daily Drilling Report

Report Start Date: 7/01/2013

Report #: 31.0

All o wellergy		AIID	EDTIE D	CCCDCXI	CE MD M	D		Dave E	rom Spu	4. 26 0
Well Name: PD120	Α	ALL D	EPIHS K	EFEKEN	CE MD KI	D		Days Fi	ioiii Spu	u. 20.00
ob Supplies							Liner Size (ı	nm)	Vol/Stk OR (r	n³/stk)
Supply Item Des	Unit I	_abel Ve	ndor	Received	Consumed	Cum On Loc	114.3		0.005	
							P (bars)	Slow Spd	Strokes (s	Eff (%)
RILL STRING AND BIT IN	NFORMATION									
HA #7, Lateral										
Run Size (mm) Ma 155.6 Va		Model VM613R	IADC Codes M424		Serial Number 4001684	Length (m) 0.20				
zzles (mm)	Bit Total	Fluid Area (nozzles) (mm	1 ²)	IADC Bit Dull			1			
5/9.5/9.5/9.5/10.3	440						1			
ring Length (m)	Weight	of String in Air (daN)		BHA ROP (m/r	ır)		1			
	1,546.63		36,616			8.9				
ing Components arel VM613R, LXM, G2 D rill Pipe, Agitator, Shock S			er, HDS1, HDS	S2 Xover, H	DS2, NMDC, F	HWDP,				

Cum Drill Time (... Int ROP (m/hr) 63.25

Azm (°)

32,917

Q Flow (m³/min) 0.757

TVD (mKB)

Drill Str Wt (daN)

MD (mKB)

37,810

Drilling Time (hr) 8.50

PU Str Wt (daN) SO Str Wt (daN)

40,034

Incl (°)

Start Depth (mKB) | End Depth (mKB) | Cum Depth (m) 1,502.00 | 1,546.63 | 563.63

115.6

37

Date



ALL DEPTHS REFERENCE MD KB

Report Start Date: 8/01/2013

64.73

	Days Fr		-		#: 32.0 27.00
1	CASING STRINGS				
	Csg Des	OD	(mm)	5	Set Depth (mKB)
1	Surface	- :	244.5		69.10
1	Intermediate		177.8		648.67
0					
1	CUM TIMELOG by (OPE	RATIO	ON	s
	Code 1		Dur (h	r)	Cum Dur (hr)
	WORKTIME		21.7	'5	277.25
	MAINTENANCE		1.2	25	5.25
	SAFETY		1.0	00	9.25
	DRILL		0.0	00	291.00

MAINTENANCE		1.25	5.25				
SAFETY		1.00	9.25				
DRILL		0.00	291.00				
MOVE		0.00	59.75				
STANDBY		0.00	109.50				
DAILY CONTACTS							
Job Contact	Title						
Jeff Wilkinson	Drilling						

Title			
TILLO			
rilling uperintdnt			
Well Engineer			
rilling upervisor			
Drilling Supervisor			

	SAFETY CHECK SUMMARY											
	Туре	Last Date	# Occur									
	BOP Drill	5/01/2013	3									
1	Toolbox	8/01/2013	25									
	Weekly safety Meeting both crews	30/12/2012	1									
	Weekly safety meeting both crews.	6/01/2013	1									

SAFETY OBSERVATIONS									
	Company								
Safety Stats	Type	Compan							
JSA	Contractor	Nitro							

Safety Stats	Туре	Company	Rpts
JSA	Contractor	Nitro	1
		Drilling	
SLAM	Contractor	Nitro Drilling	17

PERSONNEL LOG SUMMARY								
Туре	Count	Reg Work Hrs (hr)	Tot Work Hrs (hr)					
	17	204.00	204.00					

SAFETY CHECKS TODAY							
Туре	Date						
Toolbox	8/01/2013						
Toolbox	8/01/2013						

8/01/2013

ID PUMP

# 1, Shandong Qingneng Power Co,										
Pwr (kW)	Rod Dia	(mm)	Stroke (mm)							
372.8		50.8	187.3							
Liner Size (mm)		Vol/Stk C	OR (m³/stk)							
127.0										

_	Name	e: PD	120A	1						O ICLI						
PI/UWI BPD12	2001		Field N Peak	lame C Downs			/Province eensland	d	Aus	^{ntry} stralia			C.A5.B .12101		D.12.001	CAS
ell Type IS La			Well C	onfiguration	Гуре	1 '	Date 3/12/20	12 00:00		Release D		.00	Start Date		2 16:00	Surfa
		ATIONS					0/12/20	12 00.00		0701720	710 00	.00	0,12	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2 10.00	Inter
		n (no plan	chan	Original KB	Elevation		227.67	Ground Ele	vation (n		23.77	KB-Gro	ound Distar	nce (m	3.90]
get De	epth (mKB			Total Depth	(mKB)			End Depth	(mKB)			Depth	Progress (r	n)		11
(Nam			62.00	Weather		1,	546.63	Latitude (°)			46.63	Longitu			0.00	11
	rilling N			Clear					22	° 13' 6.8	332" S		148	° 15'	55.608" E	1
	mule sl		OP to	1546.6 mł	KB. Rig	to & r	run 465	m of 45 i	nm slo	tted pol	ly (HD	PE) lir	ner with	anch	or in	
eration	ns Next Re	port Perio														\dashv
				oipe. Disportion								pen e	nded dri	III pip	e.	CUM
	ns at 6:00	n 45mm	noly r	oipe. Hang	ning un /	<u> </u>	5 m									
narks					jing up i	<u>w</u> +0	J 111.									WOF
		ing up (00.00 T	0.04	.00.05	THE DEE	ODTU	UC DAN	,					-
		RATIO		MMARY	E	nd	00 OF	HE KEP	ORTI	NG DAY						MAIN
tart me	End Time	Dur (hr)	Proble m?	Phase	(m	epth nKB)	Activity					om				DRIL
:00	00:30	0.50		In Seam	1,	546. 63	SFT	Shift ch	nange	and pre	start.					MOV
:30	05:30	5.00		In Seam	1,	546.	TRI						Il pipe to			STA
						63		Drift an	d strap	each j	oint or	pipe	rack 25j	ts at	a time	
:30	06:45	1.25		In Seam	1,		RSV	Change	e oil ar	nd filters	on rig	engir	ne.			DAIL
:45	15:30	8.75		In Seam	1	63 546.	TRI	Continu	IA to F	IH to 04	50m rl	h Pr	eak circu	latio	1 AVAR	Jeff \
. :0	13.30	0.70		iii Seaiil	1,	63	1131	12 joint	s from	959m r	kb to	1546.	63m rkb	tag	•	N A = L-
:30	16:00	0.50		In Seam	1	546.	SFT						easured 45mm p			Moha Rahr
.30	10.00	0.50		III Sealli	1,	63	SF 1	Review	JSA)II IUIIIII	ng qui	CKIUII	45111111 p	JOIY F	лре.	Vinc
:00	17:00	1.00		In Seam	1,	546. 63	NUD	Rig up	poly ru	inning e	quipm	ent a	nd make	up h	nead.	John
:00	00:00	7.00		In Seam	1,	546. 63	SEC	up at 2	00m a		n. Wo	rk pipe	e and try		ole hung et it	SAF
IIR	I V OPF	PATIO	וופ פוו	IMMARY (00·00 T	O 6·0	OF T			•						ВОР
					E	nd epth		NEX		<u> </u>	JUNI					Tool
tart ime :00	End Time 07:00	Dur (hr) 7.00	Proble m?	Phase In Seam	(m	KB) 546.	Activity	Continu	ıo to v	ork aui		om 45mn	n poly pi	20 111	aablo to	Wee Meet
.00	07.00	7.00		III Scaiii	',	63	IXI C	get pas		•	JK TUIT	4011111	п рогу рг	pe ui	iable to	Wee
JD P	ROPER	RTIES			·											meet
	Туре			Time			Depth	(mKB)		Dens (sg(h2o))		V	is (day	rs/m³)	crew
ו חו	ISED					_										SAF
		Des			Units		Ven	dor		Rec	Cono	umed	On Lo		Daily Field Est (Cost)	Safe JSA
					Jinto		vell			.100	CONS	umed	OII LO			
b Sı	pplies															SLAI
	Sı	upply Item	Des		Unit L	abel		Vendor		F	Received	1	Consumed	(Cum On Loc	PER
RILL	STRING	G AND	BIT IN	FORMAT	ION		1									
IA#	8, 8 Op	en Ende	ed dril	I pipe.								1-			1	
Run	Size (mr	n) 	Mak	ie		Model			C Codes				al Number		Length (m)	SAF
zles (mm)				Bit Total I	Fluid A	rea (nozzle	es) (mm²)		IADO	C Bit Dul					Tooll
ng Le	ngth (m)			1,546.63	Weight of	f String	ı in Air (dal	N)	35,		ROP (n	n/hr)				Tooli
	mponents			1,040.00	<u> </u>				55,							Tool
	hoe, Dr Paran															MUD
llbore		Start Dept		End Depth		ım Dep	oth (m)	Drilling Time	e (hr)	Cum Drill	Time (Int RO	P (m/hr)	Q FI	ow (m³/min)	# 1 ,
igina B (da	I Hole	1,t RPM (rpm	546.63)	SPP (bars)	16.63 Dr			PU Str Wt (daN)	SO Str Wt	(daN)	Drilling	Torque	Off E	3tm Tq	Liner S
							36,475									127.0

Report Printed: 24/01/2013



SURVEY DATA

Daily Drilling Report

ALL DEPTHS REFERENCE MD KB

Report Start Date: 8/01/2013

Report #: 32.0 Days From Spud: 27.00

SURVEY DATA						P (bars)	Slow Spd	Strokes (s	Eff (%)
CONVET DATA	Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	1			
	Date	IND (IIIVR)	IIIGI ()	AZIII ()	IAD (IIIVR)	#2 Do	zhou I & A	Petroleum	Machin
						Pwr (k\M)	zhou L&A Rod Dia 72.8	(mm) Istro	ke (mm)
Underreaming	Intervals]] 37	72.8	50.8	oke (mm) 152.4
Top (mKB)		OD (mm)		Com		Liner Size (n	nm)	Vol/Stk OR (n	n³/stk)
						114.3		0.005	
	<u> </u>	I				Liner Size (n 114.3 P (bars)	Slow Spd	Strokes (s	Eff (%)
			Pa	ge 2/2			Report	Printed: 2	24/01/2013



1,546.63

22° 13' 6.832" S

Longitude (°

Report Start Date: 9/01/2013

Report #: 33.0 Days From Spud: 28.00

CASING STRINGS									
Csg Des	OD (mm)	Set Depth (mKB)							
Surface	244.5	69.10							
Intermediate	177.8	648.67							

0.00

. 148° 15' 55.608" E

on onong	,		ALL DEPTHS REFERENCE MD KB							
Well Name: PD	120A		1	ALL DEF	TIIS KEPEK	LIVC.	L MID KD			
API/UWI	Field N	ame	State/Province		Country		WBS Code			
BPD12001	Peak	Downs	Queenslan	d	Australia		C.A5.BPD.AD.12.00 .12101			
Well Type	Well C	onfiguration Type	Spud Date		Rig Release Date		Start Date			
SIS Lateral			13/12/20	12 00:00	10/01/2013 09:00		8/12/2012 16	3:00		
DAILY OPERATIONS	;									
Most Likely Duration (no plan	n chan	Original KB Elevation (m)	Ground Elevati	ion (m)	KB-Gro	und Distance (m)			
	12.17		227.67		223.77			3.90		
Target Depth (mKB)		Total Depth (mKB)		End Depth (mh	(B)	Depth F	Progress (m)			

Latitude (°)

Rig (Names) Nitro Drilling NitroD1

Unable to get more than 465 m of 45 mm poly liner in drill pipe. Cut & pump 461.5 m of poly liner, landed @ 1546.6mKB, top @ 1085.1mKB. Circulate bottoms up, trip to 1084.65 mKB. Rig to & run 451 m of poly liner. Cut & pump, landed 2nd section of poly liner @ 1085.1mKB, top @ 634.1mKB.POOH. Shift change and pre start. POOH. Rig repairs. POOH.Rig repairs.

1,546.63

Operations Next Report Period

Continue to POOH. Install tbg hanger and BPV in B section. pressure test same. Nipple down bop. Install well head. Rig release. Rig move.

Operations at 6:00

Nippling down BOPs

MUD PROPERTIES

Time

Wellsite Handover for PD130A required

1,562.00

Weather

Clear

HOURLY OPERATIONS SUMMARY 00:00 TO 24:00 OF THE REPORTING DAY End

Start Time	End Time	Dur (hr)	Proble m?	Phase	Depth (mKB)	Activity	Com
00:00	07:00	7.00		In Seam	1,546. 63	RPC	Continue to work quick run 45mm poly pipe unable to get past 465m.
07:00	08:00	1.00		In Seam	1,546. 63	RPC	Recieved go ahead from town to cut poly pipe @ 461.5m rkb . Cut poly liner, lay out poly feeder and pump 45mm poly liner to 1546.6m rkb. Top of poly liner @1085.10m rkb.
08:00	08:30	0.50		In Seam	1,546. 63	CIR	Circulate bottoms up and flow check.
08:30	11:30	3.00		In Seam	1,546. 63	TRI	POOH from 1546.63m rkb to 1085m rkb.
11:30	12:00	0.50		In Seam	1,546. 63	CIR	Circulate well clean.
12:00	12:15	0.25		In Seam	1,546. 63	PST	Shift change and pre start.
12:15	13:15	1.00		In Seam	1,546. 63	RPC	Rig up poly feeder and attach dart to poly
13:15	16:00	2.75		In Seam	1,546. 63	RPC	Run 451m rkb of 45mm quick run poly pipe, cut and pump to 1085m rkb. Top of poly liner @ 634.10m rkb.
16:00	22:15	6.25		In Seam	1,546. 63	TRI	Flow check and POOH from 1085m rkb to surface. Flow check again at shoe.
22:15	23:30	1.25	Yes	In Seam	1,546. 63	RMR	Rig repairs control lever broken of on drillers consul.Get mechanic down to repair it.
23:30	23:45	0.25		In Seam	1,546. 63	TRI	Continiue to POOH with mule shoe.
23:45	00:00	0.25	Yes	In Seam	1,546. 63	RMR	Rig repairs. Make up new dies for iron rough neck.
HOUR	LY OPE	RATIO	NS SL	JMMARY 00:0	00 TO 6:0	00 OF TH	IE NEXT REPORTING DAY
Start Time	End Time	Dur (hr)	Proble m?	Phase	End Depth (mKB)	Activity	Com
00:00	00:30	0.50	Yes	In Seam	1,546. 63	RMR	Rig repairs. Make up new dies for iron rough neck.
00:30	01:30	1.00		In Seam	1,546. 63	TRI	Continue to POOH with mule shoe.
01:30	03:30	2.00		In Seam	1,546. 63	FPT	Pick up joint of 2 7/8" tbg make up tbg hanger with BPV installed. ,land same. Tighten hold down bolts. Rig up test pump and pressure test tbg hanger 200psi low for 5 minutes 2,000 psi high for 10 minutes. Tested ok. Back out landing joint. Rig down test pump
03:30	09:00	5.50		In Seam	1,546. 63	NDB	Nipple down BOPs.Remove flow line and bell nipple. Nipple down BOPs. Clean mud tanks.
							1

Depth (mKB)

CUM TIMELOG by OPERATIONS								
Code 1	Dur (hr)	Cum Dur (hr)						
WORKTIME	22.25	299.50						
MAINTENANCE	1.50	6.75						
SAFETY	0.25	9.50						
DRILL	0.00	291.00						
MOVE	0.00	59.75						
STANDBY	0.00	109.50						

	DAILY CONTACTS	
ı	Job Contact	Title
1	Jeff Wilkinson	Drilling Superintdnt
١	Mohammad Rahman	Well Engineer
1	Vince Krawchuk	Drilling Supervisor
1	John Davidson	Drilling Supervisor
۱		

┨	SAFETY CHECK S	SUMMARY	
١	Туре	Last Date	# Occur
4	BOP Drill	5/01/2013	3
	Toolbox	9/01/2013	27
	Weekly safety Meeting both crews	30/12/2012	1
	Weekly safety meeting both crews.	6/01/2013	1
	SAFETY OBSERV	ATIONS	

O/ —			
	Company		#
Safety Stats	Type	Company	Rpts
SLAM	Contractor	Nitro	15
		Drilling	
			_

PERSONNEL LOG SUMMARY											
Туре	Count	Reg Work Hrs (hr)	Tot Work Hrs (hr)								
	17	204.00	204.00								
SAFETY CHE	CKS 1	ODAY									
Type Date											
Toolbox		9/01/2013									

9/01/2013

П														
	MUD PUN	ΙP												
	# 1, Shandong Qingneng Power Co,													
ı	Pwr (kW)		Rod Dia	(mm)	Stroke (mm)									
┨	37	2.8		50.8	187.3									
١	Liner Size (m	m)		n³/stk)										
┛	127.0			0.007										
ı	P (bars)	Slov	v Spd	Strokes	(s	Eff (%)								

1						
1	#2, Dezho	ou L&A	Petrole	um	n Machir	1
4	Pwr (kW)	Rod Dia	(mm)	Stro	ke (mm)	
	372.	8	50.8		152	.4
ı						

Report Printed: 24/01/2013

Page 1/2

Dens (sg(h2o))

Vis (days/m³)



ALL DEPTHS REFERENCE MD KB

Report Start Date: 9/01/2013

Report #: 33.0 Days From Spud: 28.00

Liner Size (m	m)	Vol/Stk OR (m³/stk)						
114.3		0.005						
P (bars)	Slow Spd	Strokes (s	Eff (%)					

MAGILL	vanne	. PD14	ZUA													
NPT																
Activity Breakdown - Drillers console								Start Da		2013 22	2:15	E	End Da	te 9/01/2	013 2	23:30
Comment Repairs to handle on drillers consul.																
Activity								Start Date End Date								
Breakdo	wn - P	ipe Handli	ing Ed	uipment	t				9/01/2	2013 23	3:45			10/01/2	2013	00:30
	new c	lies for iro	n rou	gh neck.												
MUD US	ED															
		Des			Units		Ver	ndor		Red	:	Consu	med	On L	ос	Daily Field Est (Cost)
NIF. 20											2.0				2.0	
Job Sup	plies															
	Su	pply Item Des	S		Uni	it Label		Ve	ndor		Re	eceived	(Consume	d	Cum On Loc
ı																
DRILL S	TRING	AND BIT	Γ INF	ORMATI	ON											
BHA # <s< td=""><td>stringr</td><td>10>, <des< td=""><td>></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></des<></td></s<>	stringr	10>, <des< td=""><td>></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></des<>	>													
Bit Run	Size (mn	1)	Make			Mode	el	IADC Codes				Serial Number			Length (m)	
Nozzles (mr	m)				Bit Total Fluid Area (nozzles) (mm²) IADC Bit Dull					1						
String Leng	th (m)				Weight of String in Air (daN) BHA ROP (m/hr)											
String Comp	ponents															
Drilling	Param	eters														
Wellbore		Start Depth (r	nKB) E	nd Depth (mKB)	Cum D	epth (m)	Drilling Time (hr)		r) Cum	Cum Drill Time (Int ROF	(m/hr)	QF	low (m³/min)
WOB (daN))	RPM (rpm)	S	SPP (bars)		Drill Str	r Wt (daN)	PU Str	Wt (daN) SOS	str Wt (d	daN)	Drilling Torque		Off	Btm Tq
SURVEY	/ DAT	A								•						
		Date				MD (m	nKB)		Incl (°)	1		Azm	(°)		TVI	O (mKB)
Underre	aming	Intervals	;													
Top (m	nKB)	Btm (m	nKB)	OE) (mm)						Co	om				
						•										



ALL DEPTHS REFERENCE MD KB

Report Start Date: 10/01/2013

Report #: 34.0	
Days From Spud: 29.00	١
CASING STRINGS	l

API/UWI BPD12001 Well Type SIS Lateral DAILY OPERATION Most Likely Duration (no p	Field N Peak	lame				_								
SIS Lateral DAILY OPERATION		Downs	State/Prov Queens			Country Australi	а		WBS Code C.A5.BPI	D.AD.12.001	CASING ST	RINGS		Set Depth
SIS Lateral DAILY OPERATION	Well C	onfiguration Type	Spud Date			Rig Releas	e Date		.12101 Start Date		Csg Des OD (mm) Surface 244.5		OD (mm)	(mKB)
	VVCII O	omiguration Type		2/2012 C			1/2013 09	:00		012 16:00	Intermediate	Э	177.8	648.67
													1	
viosi Likely Duration (110 p	12.17	Original KB Elevatio	n (m) 227		ınd Elevatio	on (m)	223.77	KB-Gro	ound Distance	3.90	-			
Target Depth (mKB)	1,562.00	Total Depth (mKB)	1,546		Depth (mK	B)	1,546.63	Depth F	Progress (m)	0.00	-			
Rig (Names) Nitro Drilling NitroD		Weather Clear		Latitu	ude (°)	22° 13'	6.832" S	Longitu		15' 55.608" E				
Operations Summary		1	· · ·											
Rig repairs. Continu for 5 minutes. 2000 hrs	osi high f										-			
Operations Next Report Pe		nerford to install	bonnet on	wellhea	ad.						CUM TIMEL	OG by C	DEDATIO	MC
Operations at 6:00														Cum Du
Remarks											WORKTIME	de 1	Dur (hr	
UOUDLY ODEDAT	ONO OU	IMANA DV. 00.00	TO 04-00 A	>F TUE	DEBOI	TINO F	\ A\/							
HOURLY OPERAT	UNS SU	IMMARY 00:00	End End	JF THE	REPU	KIING L	JAY				MAINTENAI DRILL	NCE	0.50	7.2
Start End Time Time Dur (I	Proble m?		Depth (mKB) Ac	tivity				om			DIVILL		0.00	231.0
00:00 00:30 0.5	0 Yes	In Seam	1,546. RM 63	R Ri	ig repair	s. Make	up new d	ies foi	r iron roug	h neck.	STANDBY		0.00	109.5
00:30 01:30 1.0	0	In Seam	I,546. TR	Co	ontinue 1	to POOI	H with mu	le sho	e.		MOVE		0.00	
01:30 03:30 2.0	0	In Seam	63 1,546. FP	Γ Pi	ick un in	int of 2.7	7/8" tha m	ake II	p tbg hang	ner with	SAFETY		0.00	9.50
		554111	63	BF	PV insta	lled. ,lar	nd same.				DAILY CON Job Cor		_	itle
				pr	essure t	est tbg I	nanger 20	0psi lo	est pump a ow for 5 m	inutes	Jason Ogilv		Drilling	ue
							10 minute down test		sted ok. B	ack out	Mahamad	1	Superinto	
03:30 09:00 5.5	0	In Seam	I,546. ND		٠,				line and b	ell nipple.	Mohammad Rahman		Well Eng	meer
			63	Ni	ipple dov	wn BOP	s. Clean r	nud ta	anks.		Vince Krawchuk Drilling Supervisor			
HOURLY OPERAT	ONS SU	MMARY 00:00		F THE	NEXT R	EPORT	ING DAY				John Davids	son	Drilling	JI
Start End Time Dur (I	Proble m?		End Depth (mKB) Ac	tivity				om			Supervisor			
Time Time But (,	Tillage	7.0	avity				<u> </u>			SAFETY CH	HECK SU		T
MUD PROPERTIES											BOP Drill	5	Last Date //01/2013	# Occur
Туре		Time	D	epth (mKB	3)	De	ens (sg(h2o))		Vis (days/m³)	Toolbox	1	0/01/2013	28
NPT											Weekly safe	etv 3	0/12/2012	
activity				Start	Date	2042.00	45	End Da		2.00.20	Meeting bot		0	
Breakdown - Pipe F Comment					9/01/2	2013 23	.45		10/01/201	3 00.30	crews Weekly safe	etv 6	/01/2013	
Make up new dies f	or iron ro	ugh neck.									meeting bot	,		
MUD USED			1		I					Daily Field	crews.			
Des		Units		Vendor		Rec	Cons	umed	On Loc	Est (Cost)	SAFETY OF	Compan		#
Job Supplies											Safety Stats	Туре	Comp	
Supply It	m Des	Unit	Label	١	Vendor		Received	(Consumed	Cum On Loc	PERSONNE		SIIMMADV	,
													Reg Work	Tot Work
DRILL STRING AN		FORMATION									Туре	Count 18	Hrs (hr) 216.00	Hrs (hr) 216.00
SHA # <stringno>, Size (mm)</stringno>	Mak	е	Model		IADC C	odes		Seria	al Number	Length (m)	SAFETY CH	HECKS T	ODAY	
lozzles (mm)		Bit Tota	I Fluid Area (r	iozzles) (m	nm²)	T	IADC Bit Dul				Type Toolbox		Da	
String Length (m)			of String in Ai		*		BHA ROP (n						10/01/201	J
		vveigni	or ourny III Al	(uaiv)			DITA NOF (II	"''' <i>)</i>			# 1, Shand		gnena Po	wer Co
String Components											Pwr (kW) 372.	Rod Dia		ke (mm) 187.
		In a position of the control of the	25	, le	- T	, Io			2 (!!)		Liner Size (mm)		Vol/Stk OR (m	
Orilling Parameter	epth (mKB)	End Depth (mKB)	Cum Depth (m) Drillir	ng Time (hr	r) Cum [Orill Time (Int ROF	P (m/hr)	Q Flow (m³/min)	127.0 P (bars) SI		0.007 Strokes (s	Eff (%)
Orilling Parameter		SPP (bars)	Orill Str Wt (da	N) PUS	Str Wt (daN) SO Sti	Wt (daN)	Drilling	Torque C	Off Btm Tq			`	
Orilling Parameter Vellbore Start D	pm)	SFF (bais)									# 2 D	0 4	Detrol	Martin
Drilling Parameter Vellbore Start D	pm)	GFF (Dais)									# 2 , Dezho	Ou L&A I Rod Dia ((mm) Stro	Machin ke (mm)
Drilling Parameter Wellbore Start D	pm)	GFF (bais)									,	Rod Dia		
Drilling Parameter Nellbore Start D	pm)	SFF (bals)					e 1/2				Pwr (kW)	Rod Dia	(mm) Stro	ke (mm)



Daily Drilling Report

ALL DEPTHS REFERENCE MD KB

Report Start Date: 10/01/2013

Report #: 34.0 Days From Spud: 29.00

SURVEY DATA					Liner Size (mm) Vol/Stk OR (m³/stk) 0.005					
	Date	MD (mKE	3)	Incl (°)	Azm (°)	TVD (mKB)	114.3		0.005	
							P (bars)	Slow Spd	Strokes (s	Ε 11 (%)
Underreaming	Intervals						1	<u> </u>	1	L
Top (mKB)	Btm (mKB) O	D (mm)			Com		1			
		-					11			
] [
				Par	ie 2/2			Poport	Drintod:	24/01/2013