110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

0.0°

0' TVD

TEL: (337) 394-1078

Operator				Contractor			County / Parish /	Block		Engineer Star	t Date	24 hr ft	g.		Drilled	Depth		
MAGI	NOLIA (OIL & G	SAS		TERSO	ON	WASH	HINGTO	N		10/20		0 ft	t		2,76	9 ft	
Well Name and No.		LINUT		Rig Name an			State	-VAC		Spud Date	00/00	Current			Activity			
Report for	TZ OL	UNII 3	Н	Report for	248		Field / OCS-G #	EXAS		Fluid Type	09/20	Circula	0 ft/l	nr	Circula	PU E		-
JIM HAR	RISON	KEVIN	BURT	То	ol Pusi	her	GID	DIGNS		o	ВМ		0 gp	m				
	MUD	PROPER	TY SPECIF	CATION	S		MUD VO	LUME (B	BL)	PUI	MP #1		PUMP	#2	RIS	ER B	oosī	ΓER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	72	20 bbl	Liner Size	5.75	Liner	Size	5.75	Line	Size		
9.3-9.7	5-15	8-11	>400	±250K	<3 <11	<8	In Hole	25	5 bbl	Stroke	12	Stro	ke	12	Str	oke		
		I	1	7/20/20			Active	72	20 bbl	bbl/stk	0.0915	bbl	/stk	0.0915	bb	/stk	0.00	000
Time Sample	Taken			2:30			Storage	e <u>13</u>	73 bbl	stk/min		stk/	min		stk	min/		
Sample Locati	on			suction			Tot. on Lo	cation 23	48 bbl	gal/min	0	gal/	min	0	gal	/min	C	0
Flowline Temp	erature °F	=						PHHP = 0)	(CIRCULAT	ON DA	TA		n = (0.695	K = 14	10.295
Depth (ft)				2,769'							Washout	= 2%		Pum	p Effici	ency =	= 95%	, o
Mud Weight (p	pg)			9.3			Drill String	Volum	e to Bit	0.0 bbl	Stroke	s To Bit			Time	To Bit		
Funnel Vis (se	c/qt)		@ 106 °F	44			Disp.	Bottoms	Up Vol.	0.0 bbl	Bottoms	Up Stks		Bott	omsUp	Time		
600 rpm				34			0.0 bbl	Riser Ar	nn. Vol.	0.0 bbl	Riser	Strokes		Ris	er Circ.	Time		
300 rpm				21				DRILLIN	IG ASS	SEMBLY D	ATA			SOLIE	s co	NTRO	L	
200 rpm				15			Tubulars	OD (in.)	ID	(in.) L	ength	Тор	ι	Jnit	Scr	eens	Но	urs
100 rpm				10			Drill Pipe	4.500	3.	826	0'	0'	Sha	ker 1	1	40		
6 rpm				4			Hevi Wt	4.500	3.	000		0'	Sha	ker 2	1	40		
3 rpm				3			Collars	6.500	2.	370		0'	Sha	aker 3	1	40		
Plastic Viscosi	ity (cp)		@ 150 °F	13			Dir. BHA	8.000	2.	500		0'						
Yield Point (lb/	/100 ft²)		T0 = 2	8				CASI	NG & I	HOLE DAT	'A							
Gel Strength (lb/100 ft²)	10	sec/10 min	3/5			Casing	OD (in.)	ID	(in.)	Depth	Тор	Cent	rifuge 1				
Gel Strength (lb/100 ft ²)		30 min	10			Riser	20			108'		VOL	UME A	ccou	NTING	(bbl	ls)
HTHP Filtrate	(cm/30 m	in)	@ 300 °F	8.0			Surface	10 3/4	9.	925 2	2,769'	108'	Pre	v. Total	on Loc	ation	2	254.6
HTHP Cake T	hickness	(32nds)		2.0			Int. Csg.					108'	Tra	nsferred	In(+)/0	Out(-)	20	093.0
Retort Solids (Content			10.8%			Washout 1							0	il Adde	ed (+)		0.0
Corrected Soli	ds (vol%)			9.3%			Washout 2							Barit	e Adde	ed (+)		0.0
Retort Oil Con	tent			70.2%			Oper	n Hole Size	e 10	.073 2	2,769'		Othe	r Produc	t Usaç	ge (+)		0.0
Retort Water (Content			19%			ANI	NULAR G	EOME	TRY & RH	EOLOGY			Wate	r Adde	ed (+)		
O/W Ratio				79:21			annulai	r m	neas.	velocity	flow	ECD		Left on	Cuttin	gs (-)		0.0
Whole Mud Ch	nlorides (n	ng/L)		38,000			section	n d	epth	ft/min	reg I	b/gal	S	and Tra	o Discl	narge		
Water Phase	Salinity (p	pm)		238,743														
Whole Mud Al	kalinity, P	om		1.2									Es	st. Total	on Loc	ation	23	347.6
Excess Lime (lb/bbl)			1.6 ppb									Est.	Losses/0	Gains ((-)/(+)		0.0
Electrical Stab	ility (volts)		402 v									E	SIT HYD	RAUL	ICS D	ATA	
Average Spec	ific Gravit	y of Solids	S	2.97									Bit H.S	S.I. Bi	t ∆P	Nozz	es (32	2nds)
Percent Low G	Fravity So	lids		6%									0.00)	psi	14	14	14
ppb Low Grav	ity Solids			49 ppb									Bit Imp	act I	ozzle locity	14	14	14
Percent Barite				3.3%									Forc	Δ	sec)	16	16	16
ppb Barite				47 ppb			BIT D	ATA	Ma	anuf./Type	ULTERI	RA 613	0 lbs	s	0			
Estimated Total	al LCM in	System	ppb				Size	Depth In	Н	ours Fo	ootage R0	OP ft/hr	Moto	r/MWD	Calo	. Circ.	Pres	sure
Sample Taker	Ву			0	0	0	9 7/8	2,769 ft										
Remarks/Reco	mmendati	ons:					Rig Activity:											
							1											

OBM RECEIVED: _2,348bbls / OBM RETURNED:

OBM ON SURFACE__1,373bbls (Storage)__720bbls (Active)

OBM LOSS/GAIN--(Daily 0) _Total (-10)

Skid over from the Palo Duro #1H, NU BOP's and tested the same. At the time of the am report picking up the 9.875" directional BHA. Active mud weight is being maintained at 9.3ppg, while drilling the shoe track the active system will be reconditioned with Mul, Wet, Lime, CaCl2 and Bentone 910/990. Sweeps will be pumped in 10bbls increments every 300'. Changed out damaged API 140's shakers screens. Aggressive dilution rates will continue maintaining volume and control drill solids.

Е	ng. 1:	F	Rob E	Bowlin	1	Er	ng. 2:	Matt	Meehan	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Р	hone:	22	28-99	0-10	55	Pł	none:			Phone:	432-686-7361	Phone:	-			
W 1	P 1	Y 1	E 1	C 0	g 2	G 1	H 2	O 1	carefully an	nd may be	ecommendation, exp used if the user so ation, and this is a r	elects, however	, no representation	as been prepared on is made as to the	\$1,910.00	\$5,673.12
												INCLUDI	NG 3RD PAR	TY CHARGES	\$1,910.00	\$5.673.12

110 Old Market St.

St Martinville, LA 70582

TEL: (337) 394-1078

14.2° 3,905' TVD

Operator				Contractor			County / Parisl			1	Start Date	24 hr	-		rilled Depth		
	IOLIA (OIL 8	k GAS		TERSO)N		HINGT	ON		7/10/20	0	1,218 ft		3,9	87 ft	
Well Name and No.	TZ OL !	UNIT	3H	Rig Name ar	248		State T	EXAS		Spud Date	。 7/09/20	Curre	nt ROP 705 ft/h l		,	illing	
Report for				Report for			Field / OSC-G			Fluid Type		Circu	ating Rate		irculating P		
JIM HARF				1	ol Pusi	ner		DIGNS			ОВМ		723 gpn		-	3 psi	
		1	ERTY SPECI					DLUME (UMP #1		PUMP #2			BOOSTE	ER
Weight	PV	YI		CaCl2	GELS	HTHP	In Pits		20 bbl	Liner S					iner Size	9	
9.3-9.7	5-15	8-1		±250K	<3 <11	<8	In Hole		40 bbl	Stroke				12	Stroke		
	M	UD PF	ROPERTIES	1			Active	: 10	060 bbl	bbl/st	k 0.09	915 bi	ol/stk 0.0	915	bbl/stk		
Time Sample	Taken			2:30		12:00	Storage	e <u>12</u>	273 bbl	stk/mi	in 9	4 st	k/min 9	94	stk/min		
Sample Locati	ion			suction		suction	Tot. on Loc	cation 23	33 bbl	gal/mi	in 36	i1 ga	l/min 3	61	gal/min		
Flowline Temp	erature °	F				136 °F	Mud Wt. =	= 9.3 F	V=13	YP=8	B CIF	CULATI	ON DATA	r	n = 0.69	5 K = 14	10.3
Depth (ft)				2,769'		3,987'	Bit I	Depth = 3	3,987 '		Wash	out = 2%		Pump E	fficiency	/ = 95%	
Mud Weight (p	opg)			9.3		9.3	Drill String	Volun	ne to Bit	52.6 b	obl Str	okes To B	t 575	Ti	me To B	it 3 mi	in
Funnel Vis (se	ec/qt)		@ 106 °F	44		44	Disp.	Bottoms	Up Vol.	287.5 l	bbl Botto	msUp Stk	3,141	Bottom	sUp Tim	e 17 m	nin
600 rpm				34		30	34.5 bbl	Riser A	nn. Vol.	-2.1 b	bl Ri	ser Stroke	-23	Riser	Circ. Tim	e 0 mi	in
300 rpm				21		19		DRILLI	NG AS	SEMBL	Y DATA		S	OLIDS	CONTR	OL	
200 rpm				15		14	Tubulars	OD (in.) ID	(in.)	Length	Тор	Unit		Screens	Hou	rs
100 rpm	·			10		11	Drill Pipe	4.500	3.8	826	3,411'		Shake	r 1	140	6.0)
6 rpm	·			4		5	Hevi Wt	4.500	3.0	000	278'	3,411'	Shake	r 2	140	6.0)
3 rpm				3		4	Collars	6.500	2.3	370	187'	3,689'	Shake	r 3	140	6.0)
Plastic Viscos	ity (cp)		@ 150 °F	13		11	Dir. BHA	8.000	2.	500	111'	3,876'					
Yield Point (lb.	/100 ft²)		T0 = 2	8		8		CAS	ING &	HOLE D	ATA						
Gel Strength (lb/100 ft²))	10 sec / 10 min	3/5		4/6	Casing	OD (in.) ID	(in.)	Depth	Тор	Centrifu	ge 1		1.0)
Gel Strength (lb/100 ft2	2)	30 min	10		9	Riser	20			108'		VOLU	IE ACC	OUNTI	NG (bbls	s)
HTHP Filtrate	(cm/30 m	nin)	@ 300 °F	8.0		8.0	Surface	10 3/4	9.9	925	2,769'	108'	Prev.	Total on	Locatio	n 234	47.6
HTHP Cake T	hickness	(32nd	s)	2.0		2.0	Int. Csg.					108'	Transfe	erred In	(+)/Out(-)	
Retort Solids (Content			10.8%		11%	Washout 1							Oil A	dded (+) 10	00.2
Corrected Soli	ids (vol%))		9.3%		9.3%	Washout 2							Barite A	dded (+)	
Retort Oil Con	tent			70.2%		67%	Open	Hole Siz	ze 10.	.073	3,987'		Other P	roduct L	Jsage (+)	
Retort Water (Content			19%		22%	AN	NULAR (SEOME	TRY &	RHEOLO	GY		Water A	dded (+)	5.3
O/W Ratio				79:21		75:25	annula	nr .		veloci	ty flow	ECD	Le	eft on Cu	uttings (-) -12	20.0
Whole Mud Cl	hlorides (mg/L)		38,000		45,000	section	. (depth	ft/mir	- 1	lb/gal	Sand	d Trap D	ischarg	е	
Water Phase	Salinity (p	opm)		238,743		242,851	0x4.5	,	108'	-874.	8	9.94					
Whole Mud Al	kalinity, F	Pom		1.2		1.5	9.925x4	1.5 2	2,769'	226.4	4 lam	10.14	Est. 7	Γotal on	Location	n 233	33.1
Excess Lime (lb/bbl)			1.6 ppb		2 ppb	10.073x	4.5 3	3,411'	218.	1 lam	10.68	Est. Los	ses/Ga	ns (-)/(+	•)	0.0
Electrical Stab		s)		402 v		405 v	10.073x	4.5 3	3,689'	218.	1 lam	11.26			ULICS	<u> </u>	
Average Spec			Solids	2.97		2.84	10.073x		3,876'	299.2	2 turb	11.84	Bit H.S.I.	Bit Δ	P No.	zzles (32r	nds)
Percent Low G				6%		6.7%	10.073		3,987'	472.8		12.48	1.11	201	osi 14	14	14
ppb Low Grav				49 ppb		55 ppb							Rit Impost	Nozz	le 14	-	14
Percent Barite				3.3%		2.6%							Bit Impact Force	Veloc (ft/se	ity		16
ppb Barite				47 ppb		37 ppb	BIT [DATA	Ma	ınuf./Tvn	e ULTE	RRA 613	542 lbs	156	·/		
Estimated Total	al LCM in	Svste	em	115-		1150	Size	Depth I	-			ROP ft/h		<u> </u>		c. Press	ure
		- , 5.0				M.Meehan	9 7/8	2,769 f			1,218 ft	203.0	1,750			53 psi	-
	ample Taken By						Afternoon R		_		,		1 ,	·	-, -	1 **	

Afternoon Remarks/Recommendations:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb NewCarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Drilling ahead and sliding as needed to maintain the angle in the vertical section. Pumping a 10 bbl LCM sweep every 300 ft. Added 100 gal Optimul and Lime to maintain the emulsion. Added Lime for alkalinity. Added Calcium Chloide to increase the salinity. Adding Bentone 910 and Bentone 990 to increase the Yield Point and 6/3 RPM readings. Adding increased amounts of whole mud and diesel to maintain volume due to rapid ROP.

110 Old Market St.

St Martinville, LA 70582

TEL: (337) 394-1078

0.4° 9,244' TVD

Operator				Contractor			County / Parish	h / Block		Enginee	r Start Date	24 h	r ftg.		Drilled [Depth	
MAGN	IOLIA (OIL &	GAS		TERSO	N	WASI	HINGT	ON		7/10/20		1,689 1			9,44	0 ft
Well Name and No.	TZ OL I	UNIT	3H	Rig Name ar	nd No. 248		State T	EXAS		Spud Da	^{ite} 07/09/20		rent ROP 181 ft/h		Activity	Drill	ina
Report for				Report for			Field / OSC-G			Fluid Typ			ulating Rate		Circulat		
JIM HARF	RISON/	KEV	IN BURT	То	ol Push	ner	GIE	DIGN	3		OBM		723 gp	m	3	,620	psi
	MUD	PROPE	ERTY SPECI	FICATION	IS		MUD VC	DLUME (BBL)	ı	PUMP #1		PUMP #	2	RIS	ER B	OOSTER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	5	40 bbl	Liner	Size 5.	75 Lir	er Size	5.75	Liner	Size	
9.3-9.7	5-15	8-1 ⁻	1 >400	±250K	<8 <11	<8	In Hole	e 8	22 bbl	Strok	ke 1	2 8	troke	12	Stro	ke	
	M	UD PR	OPERTIES				Active	13	362 bbl	bbl/s	stk 0.0	915 b	obl/stk 0	.0915	bbl/	stk	
Time Sample	Taken			2:00	18:15	11:00	Storage	e <u>1</u> 4	105 bbl	stk/n	nin 9	94 s	tk/min	94	stk/ı	min	
Sample Locati	ion			suction	suction	suction	Tot. on Loc	cation 27	767 bbl	gal/n	nin 3	61 g	al/min	361	gal/ı	min	
Flowline Temp	erature °	F		154 °F	134 °F	160 °F	Mud Wt. =	= 9.3 F	V=14	YP=	=9 CI	RCULAT	ON DATA		n = 0	.686	K = 162.8
Depth (ft)				7,560'	5,874'	9,440'	Bit [Depth = 9	9,440 '		Wash	out =		Pump	Efficie	ency =	= 95%
Mud Weight (p	opg)			9.3	9.4	9.3	Drill String	Volur	ne to Bit	130.2	bbl St	rokes To E	Bit 1,422	-	Time T	Γο Bit	8 min
Funnel Vis (se	ec/qt)		@ 140 °F	39	43	39	Disp.	Bottoms	Up Vol.	692.2	bbl Bott	omsUp Stl	rs 7,562	Bottor	nsUp	Time	40 min
600 rpm				37	37	35	64.2 bbl	Riser A	nn. Vol.	-2.1	bbl R	iser Stroke	es -23	Riser	Circ.	Time	0 min
300 rpm				23	23	22		DRILLI	NG AS	SEMBL	Y DATA			SOLIDS	S COI	NTRO	L
200 rpm				17	19	17	Tubulars	OD (in.) ID	(in.)	Length	Тор	Un	it	Scre	ens	Hours
100 rpm	·			12	12	12	Drill Pipe	4.500	3.8	826	8,864'		Shak	er 1	14	10	10.0
6 rpm	·			6	6	6	Hevi Wt	4.500	3.0	000	278'	8,864'	Shak	er 2	14	10	10.0
3 rpm				5	5	5	Collars	6.500	2.3	370	187'	9,142'	Shak	er 3	14	10	10.0
Plastic Viscos	ity (cp)		@ 150 °F	14	14	13	Dir. BHA	8.000	2.	500	111'	9,329'					
Yield Point (lb.	/100 ft²)		T0 = 4	9	9	9		CAS	ING &	HOLE	DATA						
Gel Strength (lb/100 ft²)	1	0 sec / 10 min	6/8	6/9	6/9	Casing	OD (in.) ID	(in.)	Depth	Тор	Centrif	uge 1			2.0
Gel Strength (lb/100 ft2)	30 min	11	11	11	Riser	20			108'		VOLU	ME AC	COU	NTING	(bbls)
HTHP Filtrate	(cm/30 m	nin)	@ 300 °F	6.8	8.0	6.2	Surface	10 3/4	9.9	925	2,769'	108'	Prev.	Total o	n Loc	ation	2775.5
HTHP Cake T	hickness	(32nds	s)	2.0	2.0	2.0	Int. Csg.					108'	Trans	ferred li	n(+)/C	Out(-)	
Retort Solids (Content			11.2%	11.7%	11.2%	Washout 1							Oil	Adde	d (+)	98.3
Corrected Soli	ids (vol%))		9.6%	10.3%	9.6%	Washout 2							Barite	Adde	d (+)	
Retort Oil Con	tent			69.8%	67%	69.8%	Open	Hole Siz	ze 9.8	875	9,440'		Other I	Product	Usag	e (+)	
Retort Water 0	Content			19%	21.3%	19%	ANI	NULAR (GEOME	TRY &	RHEOLO	OGY		Water	Adde	d (+)	5.5
O/W Ratio				79:21	76:24	79:21	annula	ar		veloc	city flow	ECD	L	eft on C	Cutting	gs (-)	-112.0
Whole Mud Cl	hlorides (ı	mg/L)		40,000	38,000	41,000	section		depth	ft/m	-	lb/gal		Evap/	Cent/	Pits	
Water Phase	Salinity (p	pm)		248,190	218,599	252,826	0x4.5	<u> </u>	108'	-874	1.8	9.47	Non-Re	ecovera	ble Vo	ol. (-)	
Whole Mud Al	kalinity, F	om		1.6	1.4	1.5	9.925x4	1.5 2	2,769'	226	.4 lam	9.64	Est.	Total o	n Loc	ation	2767.3
Excess Lime (lb/bbl)			2.1 ppb	1.8 ppb	2 ppb	9.875x4	1.5 8	3,864'	229	.3 lam	9.69	Est. Lo	sses/Ga	ains (-	-)/(+)	0.0
Electrical Stab	ility (volts	s)		399 v	302 v	408 v	9.875x4	1.5	9,142'	229	.3 lam	9.86	BI	T HYDR	AULI	CS D	ATA
Average Spec	ific Gravit	ty of Sc	olids	2.88	2.85	2.87	9.875x6	6.5	9,329'	320	.5 turb	10.02	Bit H.S.	. Bit	ΔΡ	Nozz	es (32nds)
Percent Low G	Gravity Sc	olids		6.7%	7.3%	6.8%	9.875x	8 9	9,440'	528	.6 turb	10.21	1.11	201	psi	14	14 14
ppb Low Grav	ity Solids			55 ppb	60 ppb	56 ppb							Bit Impa	Noz		14	14 14
Percent Barite)			2.9%	2.9%	2.9%							Force	Velo	-	16	16 16
ppb Barite				42 ppb	42 ppb	41 ppb	BIT C	DATA	Ма	nuf./Ty	pe ULT	ERRA 61	3 542 lbs	15	56		
Estimated Total	al LCM in	Syster	m				Size	Depth I	n Ho	ours	Footage	ROP ft/l	nr Motor/	MWD	Calc.	. Circ.	Pressure
Sample Taker	n By			R. Bowlin	R. Bowlin	M.Meehan	9 7/8	2,769 f	t 28	8.0	6,671 ft	238.3	925	psi		3,843	s psi
A4 D	ample Taken By fternoon Remarks/Recommendations:				<u> </u>	<u> </u>	Afternoon R		_!			<u> </u>	-				

Afternoon Remarks/Recommendations:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb NewCarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Drilling ahead and sliding as needed to maintain the angle in the intermediate section. Pumping a 10 bbl LCM sweep every 300 ft. Added 50 gal Optimul and Lime to maintain the emulsion. Added Lime for alkalinity. Added Calcium Chloide to increase the salinity. Adding increased amounts of whole mud and diesel to maintain volume due to rapid ROP.

TEL: (337) 394-1078

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

8.6° 7,416' TVD

Operator MAGN	NOLIA (OIL & G	SAS	Contractor PAT	TERSO	ON	County / Parish /	Block IINGTON	1	Engineer 0	Start Da 7/10		24 hr ftg	o. O ft		Drilled I	Depth 10,249) ft
Well Name and No.	TZ OL	UNIT 3	н	Rig Name an	d No. 248		State TE	EXAS		Spud Date	• 97/09	/20	Current	ROP 0 ft/hr		Activity R I	ın Ca	sing
Report for JIM HAR	DISON/	IAMES	DVED	Report for	ol Pusi	hor	Field / OCS-G #	DIGNS		Fluid Type	OB	М	Circulat	ing Rate		Circulat	ing Pressu	_
JIWI HAKI			RTY SPECIF			ier					PUMP			0 gpm PUMP #2		DIG	ps ER BOO	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	700		Liner S		5.75	Liner		75	Liner		JOILK
9.3-9.7	5-15	8-11	>400	±250K	<8 <11	<8	In Hole	883		Strok		12	Stro		2	Stro		
0.0 0.1	0.10	•	7.00	7/23/20		7/22/20	Active	1332		bbl/s		0.0915	bbl/		915	bbl/		0.0000
Time Sample	Taken			2:00		13:30	Storage			stk/m		0	stk/i		0	stk/		0.0000
Sample Locati				Suction		suction		2748		gal/m		0	gal/i		0	gal/		0
Flowline Temp		<u> </u>				160 °F		PHHP = 0		9		CULATIO	Ŭ			Ŭ		= 148.626
Depth (ft)				10,249'		10,249'	Bit I	Depth = 7,6	00 '			/ashout =			Pump	Effici	ency = 9	95%
Mud Weight (p	pg)			9.3		9.7	Deill Otein er	Volume	to Bit	349.0	bbl	Strokes	To Bit			Time 1	o Bit	
Funnel Vis (se			@ 100 °F	38		44	Drill String Disp.	Bottoms Up				BottomsU	Stks		Botto	msUp	Time	
600 rpm	• • • • • • • • • • • • • • • • • • • •			32		38	80.3 bbl	Riser Ann	ı. Vol.	-6.1 l	bbl	Riser S	rokes		Rise	r Circ.	Time	
300 rpm				20		24		DRILLING	ASS	SEMBL	Y DAT	'A		s	OLID:	s cor	NTROL	
200 rpm				16		19	Tubulars	OD (in.)	ID	(in.)	Len	gth T	ор	Unit		Scre	ens	Hours
100 rpm				14		13	Casing	7.625	6.	875	7,60	00'	0'	Shaker	1	14	0	24.0
6 rpm				6		6						7,6	600'	Shaker	2	14	0	24.0
3 rpm				5		5						7,6	600'	Shaker	3	14	0	24.0
Plastic Viscosi	ty (cp)		@ 150 °F	12		14						7,6	600'					
Yield Point (lb/	100 ft²)		T0 = 4	8		10		CASIN	G & F	HOLE D	АТА							
Gel Strength (I	b/100 ft²)	10	sec/10 min	6/10		6/10	Casing	OD (in.)	ID	(in.)	Dep	th T	ор	Centrifuç	ge 1			4.0
Gel Strength (I	b/100 ft ²)		30 min	12		11	Riser	20			108	3'	-	VOLUM	IE AC	COU	NTING ((bbls)
HTHP Filtrate	(cm/30 mi	n)	@ 300 °F	8.0		6.0	Surface	10 3/4	9.	925	2,76	9' 1	08'	Prev. T	otal o	n Loc	ation	2776.3
HTHP Cake T	hickness ((32nds)		2.0		2.0	Int. Csg.					1	08'	Transfe	erred I	n(+)/C	out(-)	
Retort Solids C	Content			10%		12.5%	Washout 1								Oil	Adde	d (+)	28.0
Corrected Soli	ds (vol%)			8.3%		10.9%	Washout 2								Barite	Adde	d (+)	0.0
Retort Oil Con	tent			70%		68.5%	Oper	Hole Size	9.	875	10,2	49'		Other Pr	oduct	Usag	e (+)	0.0
Retort Water 0	Content			20%		19%	ANI	NULAR GE	OME	TRY &	RHEC	LOGY		,	Water	Adde	d (+)	
O/W Ratio				78:22		78:22	annular	· me	as.	veloc	city	flow E	CD	Le	ft on (Cutting	gs (-)	0.0
Whole Mud Ch	nlorides (m	ng/L)		42,000		41,000	section	dep	pth	ft/m	-	reg lb/	gal		Evap/	Cent	Pits	-16.0
Water Phase S	Salinity (pp	om)		247,723		252,826	0x7.625	5 10)8'	0.0)	9.	30	Non-Red	overa	ble Vo	ol. (-)	-40.4
Whole Mud All	kalinity, Po	om		1.5		1.5	9.925x7.6	25 2,7	'69'	0.0)	lam 9.	30	Est. T	otal o	n Loc	ation	2747.9
Excess Lime (I	b/bbl)			2 ppb		2 ppb	9.875x7.6	25 7,6	00'	0.0)	lam 9.	30	Est. Los	ses/G	ains (-)/(+)	0.0
Electrical Stab	ility (volts))		450 v		435 v								BIT	HYDF	RAULI	CS DAT	ГА
Average Speci	fic Gravity	of Solids	s	3.14		3.07								Bit H.S.I.	Bit	ΔΡ	Nozzles	s (32nds)
Percent Low G	ravity Sol	ids		4.6%		6.4%												
ppb Low Gravi	ty Solids			37 ppb		53 ppb								Bit Impact		zzle ocity		
Percent Barite				3.8%		4.5%								Force	(ft/s	-		
ppb Barite				54 ppb		64 ppb	BIT D	ATA	Ma	anuf./Ty	ре							
Estimated Tota	al LCM in	System	ppb				Size	Depth In	Н	ours	Foot	age ROF	ft/hr	Motor/M	WD	Calc	Circ. P	ressure
Sample Taken	Ву			A. ROMAN	0	M Washburn	9 7/8											
Remarks/Reco	mmendatio	ons:					Rig Activity:											
OBM REC	EIVED: _	_2,780bb	ols / OBM	RETURN	NED:													
OBM ON S	SURFACE	E1,16	5bbls (Stor	age)70)2bbls (A	ctive)	DO0111-	v down all	ב" ר	ם מבק	рμν	Diole ···	25d -:	ia un Ca-	na =-	nni	toolo :	and
OBM LOS	S/GAIN	(Daily -)	_Total(-	14)	•	-	start runi active sy	ly down all ning 7 5/8" stem and l ge useage.	' Intei reduc	rmediat ce dens	te cas sity to	ing in the 9.3ppg N	hole //Ww	. While ruith the intr	unnin uduc	g Cas tion o	ing circ	culate

Eng. 1: Mike Washburn Eng. 2: Adolfo Roman MIDLAND WH 2: WH #2 Rig Phone: Daily Total Cumulative Cost 361-945-5777 Phone: 956-821-9994 432-686-7361 Phone: Phone: Phone: Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only. g 1 \$4,367.61 \$30,324.24 **INCLUDING 3RD PARTY CHARGES** \$5,917.29 \$62,242.68

Centrifuge useage. At this time we continue running Casing pasing 7600'.

MATERIAL CONSUMPTION

Date 07/23/20	Operator MAG I	NOLIA OIL		Well Name a	nd No. <mark>TZ OL UNIT</mark>	Г3H	Rig Name an	d No. 48	Report No. Repo	ort #6
	DAILY	USAGE 8	k COST							ATIVE
			Previous		Closing	Daily			Cum	
Item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	58		58				27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36	88		88					
EVO-LUBE	gal	\$14.00	975		975					
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75	70 20		70 20					
ALUMINUM TRISTEARATE	25# SK	\$162.83	20		20					
CACL2 (50)	50# sk	\$14.32	112		112				112	\$1,603.84
LIME (50)	50# sk	\$5.00	250		250				100	\$500.00
OPTI - G	50# sk	\$30.59	120		120				40	\$1,223.60
BENTONE 38 (50)	50# sk	\$163.94	24		24					#007.00
BENTONE 910 (50)	50# sk	\$59.40	62 40		62 40				6	\$237.60
BENTONE 990 (50) OPTI - MUL	50# sk	\$83.59 \$10.75	475		475				150	\$501.5 ⁴ \$1,612.50
OPTI - WET	gal gal	\$8.34	550		550				165	\$1,376.10
NEW PHALT	50# sk	\$38.72	131		131				19	\$735.68
OIL SORB (25)	25# sk	\$4.75	18		18					ψ. σσ.σ.
()										
NEW CARB (M)	50# sk	\$5.25	98		98				22	\$115.50
CYBERSEAL	25# sk	\$21.47	180		180					
MAGMAFIBER F (25)	25# sk	\$28.05	52		52				42	\$1,178.10
MAGMAFIBER R (30)	30# sk	\$28.05	78		78					
VARISEAL	50# sk	\$26.50	50		50					
FIBER PLUG	30# sk	\$30.37	15		15					
DYNAFIBER (M)	25# sk	\$53.67	120		120					
NEW WATE (SACK BARITE)	100# sk	\$11.50	104		104				56	\$644.00
BARITE BULK (100)	100# sk	\$7.00	580	928	1508				620	\$4,340.00
ODTI DDILL (ODM)	LLI	#05.00	0770		0770				44	CO10 00
OPTI DRILL (OBM)	bbl	\$65.00	2776		2776				14	\$910.00
DISCOUNTED OBM	bbl	\$15.00								
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00		10	\$9,250.00
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00		10	\$300.00
ENGINEERING (MILES)	each	\$1.00							1000	\$1,000.00
	each	\$2.65				927	\$2,457.61		1247	\$3,304.66
TRUCKING (cwt)							г.			
TRUCKING (min)	each	\$795.00				_				
TRUCKING (min) PALLETS (ea)	each	\$12.00							12	
TRUCKING (cwt) TRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)									12 12	\$144.00 \$144.00

THIRD PARTY COST SHEET

Date	Operator			Well Name a	nd No.		Rig Name an	nd No.	Report No.	
07/23/20	MAG	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	24	48	Repo	ort #6
	DAILY	USAGE 8	& COST						CUMUI	LATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cos
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	250		250					
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					

DBM D	gal	\$1.36								
DBM D 7/20 Skid Vol.	gal	\$1.34								\$21,105.0
DBM_D 7/20	gal	\$1.32	182			182		<u> </u>	7200	\$9,504.0
OBM_D 7/21	gal	\$1.32	7402		6410	992	\$1,309.44		992	\$1,309.4
DIESEL DELIVERY 7/22/20	gal	\$1.35		7402	7402					
								-		
								-		
								-		
								 		
								-		
		<u> </u>	<u></u>	<u></u>						<u></u>
									-	
								-		
					B-71 C	uh Territ A	L E 40.00] <u> </u>	604.0	40.44
					Daily S	ub-Total \$	1,549.68		\$31,9	18.44
								. L		
	Cum	ulative Tota	II AES & 3rd	Party \$62,	242.68					

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

DIETZ OL UNIT 3H

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8																	
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249																
Totals	Ending Depth	2,769	7,751	10,249	10,249																	
	Footage Drilled	-	4,982	2,498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	New Hole Vol.	-	472	237	-	_	_	_	-	-	_		_	_	_	_	_	-	_	_	-	-
	Starting System Volume	2,348		2,776	2,776	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748
	Chemical Additions	2,0-10	19	5	-	2,140	2,140	2,1 10	2,140	2,140	2,1 40	2,140	2,1 10	2,1 40	2,140	2,1 40	2,140	2,140	2,1 10	2,140	2,140	2,140
	Base Fluid Added		315	235	29																	
	Barite Increase		313	47	-																	
	Weighted Mud Added		468	41	-																	
	Slurry Added	1	400		-																	
	Water Added	1	5	16	-																	
	Added for Washout		3	4	-																	
		 	00=										l		l	 						
•	Total Additions	-	807	307	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surface Losses		31	40	-																	
	Formation Loss			15	-																	
	Mud Loss to Cuttings		330	237	-																	
	Unrecoverable Volume				40																	
49	Centrifuge Losses		18	15	16																	
7/13	Total Losses	_	379	307	56	_	_		_	_	_	_	_	_	_	_	_	_	_	_		_
		<u> </u>	319	301	30		_	_	-	-			_	-	_	_	_	-	-			-
-	Mud Transferred Out																					
2,748	Ending System Volume	2,348	2,776	2,776	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748
	Ending System Volume Mud Recovered	2,348	2,776	2,776	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748
		2,348			,		2,748	2,748	2,748	2,748				2,748	2,748	2,748	2,748		•	,	2,748	2,748
		2,348			2,748 comment		2,748	2,748	2,748	2,748		2,748 omment		2,748	2,748	2,748	2,748		2,748 omments	,	2,748	2,748
			36	С	omment	s:				2,748				2,748			2,748		•	,	2,748	2,748
		7/20/20	36	С	,	s:			7/27/20	2,748				2,748		2,748 8/3/20	2,748		•	,	2,748	2,748
			Skid Volur and Test.	C me 2093bb	comments	s: s left in cas	sing. Skidd	ling/ NU		2,748				2,748			2,748		•	,	2,748	2,748
36		7/20/20	Skid Volur and Test.	Cone 2093bbl	Somment:	s: s left in cas	sing. Skidd	ling/ NU 4bbls,	7/27/20	2,748				2,748		8/3/20	2,748		•	,	2,748	2,748
		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6	Cone 2093bbl	Somment:	s: s left in cas	sing. Skidd	ling/ NU 4bbls,		2,748				2,748			2,748		•	,	2,748	2,748
36		7/20/20	Skid Volur and Test.	Cone 2093bbl	Somment:	s: s left in cas	sing. Skidd	ling/ NU 4bbls,	7/27/20	2,748				2,748		8/3/20	2,748		•	,	2,748	2,748
36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	C ne 2093bbl bls from Ne bbls, Cent-	s + 255bbl: ewpark. Mu 18bbls, Pits	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20	2,748				2,748		8/3/20	2,748		•	,	2,748	2,748
36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	Conne 2093bbl bls from Nebbls, Cent-	ewpark. Mu 18bbls, Pits	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20	2,748				2,748		8/3/20	2,748		•	,	2,748	2,748
36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	Conne 2093bbl bls from Nebbls, Cent-	ewpark. Mu 18bbls, Pits	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20	2,748				2,748		8/3/20 8/4/20	2,748		•	,	2,748	2,748
36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	Conne 2093bbl bls from Nebbls, Cent-	ewpark. Mu 18bbls, Pits	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20	2,748				2,748		8/3/20 8/4/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20	2,748				2,748		8/3/20 8/4/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20	2,748				2,748		8/3/20 8/4/20 8/5/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20	2,748				2,748		8/3/20 8/4/20 8/5/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20	2,748				2,748		8/3/20 8/4/20 8/5/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20	2,748				2,748		8/3/20 8/4/20 8/5/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20	2,748				2,748		8/3/20 8/4/20 8/5/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20	2,748				2,748		8/3/20 8/4/20 8/5/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20 7/31/20	2,748				2,748		8/3/20 8/4/20 8/5/20 8/6/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20 7/31/20	2,748				2,748		8/3/20 8/4/20 8/5/20 8/6/20	2,748		•	,	2,748	2,748
36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nhbbls, Cent-	comment. Is + 255bbls ewpark. Mt 18bbls, Pits 37bbls, Eva 15.4	s: s left in cas ud lost to C s-10bbls////	sing. Skidd cutting-330. // Recovere	ling/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20 7/31/20	2,748				2,748		8/3/20 8/4/20 8/5/20 8/6/20	2,748		•	,	2,748	2,748

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St Martinville, LA 70582

TEL: (337) 394-1078

MAGNOLIA OIL & GAS PATTERSON WASHINGTON 07/10/20 10,249 ft Current ROP **DIETZ OL UNIT 3H TEXAS** 07/09/20 Change pipe rams 248 ield / OSC-G # Fluid Type Circulating Rate JIM HARRISON/JAMES DYER **Tool Pusher GIDDIGNS OBM MUD PROPERTY SPECIFICATIONS** MUD VOLUME (BBL) PUMP #1 PUMP #2 RISER BOOSTER P\/ E.S. CaCl2 **GELS** In Pits 636 bbl Liner Size 5.75 Liner Size Weight ΥP HTHP Liner Size 5.75 Stroke 9.3-9.7 5-15 8-11 >400 ±250K <8 <11 In Hole 465 bbl Stroke 12 12 Stroke **MUD PROPERTIES** 636 bbl bbl/stk 0.0915 0.0915 bbl/stk bbl/stk Active 2:00 13:30 1642 bbl Time Sample Taken stk/min Storage stk/min stk/min Suction Tot on Location 2743 bbl Sample Location suction gal/min gal/min gal/min Mud Wt = 9.3PV=12 YP=8 Flowline Temperature °F **CIRCULATION DATA** n = 0.678 K = 148.6 Depth (ft) 10.249 10.260 Pump Efficiency = 95% Washout = Mud Weight (ppg) 9.3 9.3 Volume to Bit Strokes To Bit Time To Bit Drill String @ 125 °F 38 Funnel Vis (sec/qt) BottomsUp Stks BottomsUp Time Bottoms Up Vol. 600 rpm 32 36 Riser Strokes Riser Circ. Time Riser Ann. Vol. SOLIDS CONTROL 300 rpm DRILLING ASSEMBLY DATA 20 23 200 rpm 16 17 Tubulars OD (in.) ID (in.) Length Top Unit Screens Hours 100 rpm 14 15 Drill Pipe Shaker 1 140 6 6 Shaker 2 140 6 rpm 5 5 Shaker 3 140 3 rpm @ 150 °F 12 13 Plastic Viscosity (cp) Yield Point (lb/100 ft²) 8 10 **CASING & HOLE DATA** T0 = Casing OD (in.) 6/10 6/9 Gel Strength (lb/100 ft2) 10 sec / 10 min ID (in.) Depth Top Centrifuge 1 **VOLUME ACCOUNTING (bbls)** 30 min 12 11 Gel Strength (lb/100 ft2) Riser 20 108' HTHP Filtrate (cm/30 min) @ 300 °F 8.0 8 N Surface 10 3/4 9.925 2,769' 108' Prev. Total on Location 2747.9 2.0 2.0 7 5/8 6.875 10,239 108 HTHP Cake Thickness (32nds) Int. Csq. Transferred In(+)/Out(-) Retort Solids Content 10% 10% Washout 1 Oil Added (+) 8.3% 8.4% Corrected Solids (vol%) Washout 2 Barite Added (+) 70% Retort Oil Content 70% 10.249 Open Hole Size Other Product Usage (+) **ANNULAR GEOMETRY & RHEOLOGY** Retort Water Content 20% 20% Water Added (+) 78.22 O/W Ratio 78:22 Left on Cuttings (-) ECD annular velocity flow depth section ft/min reg lb/gal Whole Mud Chlorides (mg/L) 42.000 41.000 Evap/ Cent/ Pits 247,723 243.260 Non-Recoverable Vol. (-) Water Phase Salinity (ppm) 1.5 1.5 2747.9 Whole Mud Alkalinity, Pom Est. Total on Location Excess Lime (lb/bbl) 2 ppb 2 ppb Est. Losses/Gains (-)/(+) -4.8 Electrical Stability (volts) 450 v 420 v **BIT HYDRAULICS DATA** 3.14 Bit H.S.I. Nozzles (32nds) Average Specific Gravity of Solids 3.14 Bit AP #DIV/0! Percent Low Gravity Solids 4.6% 4.6% #DIV/0! Nozzle ppb Low Gravity Solids 37 ppb 38 ppb Bit Impac Velocity Force Percent Barite 3.8% 3.8% (ft/sec) ppb Barite **BIT DATA** #DIV/0! 54 ppb 54 ppb Manuf./Type Estimated Total LCM in System Size Depth In Hours Footage ROP ft/hr Motor/MWD Calc. Circ. Pressure A. ROMAN M Washbur #DIV/0! Sample Taken By Afternoon Remarks/Recommendations: Afternoon Rig Activity: Run 7-5/8" 29.7# P110 intermediate casing to 10239' circulate and reduce mud wt to 9.3. Rig up cementers, attend pre cement safety and procedures meeting on rig floor. Test lines to 5000 PSI, pump 40 bbls 10.5# spacer, 299 bbls 11.8# lead, 78 bbls 16.2 tail, displace cement with 9.3# active mud. Observe 40 bbls spacer and 6 bbls cement at surface divert same to disposal. Currently changing pipe rams, circulating mud in active system reducing mud wt from 9.3# to 9.0# with additions of diesel and centrifuging.

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

1.0°

500' TVD

TEL: (337) 394-1078

	NOLIA C	OIL & G	SAS		TERSO	ON	_	HINGTON	1		0/20		0 ft			49 ft
Well Name and No.	TZ OL U	INIT 3	н	Rig Name an	d No. 248		State	EXAS		Spud Date	9/20	Curren	t ROP Oft/hr		vity ick ur	4.5"DI
Report for	12 01 0	JINII J	-	Report for	240		Field / OCS-G #			Fluid Type	3/20	Circula	iting Rate		culating Pre	
JIM HAR	RISON/	JAMES	DYER	То	ol Pusi	her	GID	DIGNS		OE	ВМ		0 gpm		ı	osi
	MUD	PROPER	TY SPECIF	CATION	s		MUD VO	LUME (BB	L)	PUM	IP #1		PUMP #2	F	ISER B	OOSTER
Weight	PV	ΥP	E.S.	CaCl2	GELS	HTHP	In Pits	647	bbl	Liner Size	5.75	Line	Size 5.7	75 Li	ner Size	
9-9.7	5-15	8-11	>400	±250K	<8 <11	<8	In Hole	470	bbl	Stroke	12	Str	oke 1	2 .	Stroke	
				7/24/20		7/23/20	Active	670	bbl	bbl/stk	0.091	5 bbl	/stk 0.09	915	obl/stk	0.0000
Time Sample	Taken			2:00		13:30	Storage	e <u>1642</u>	2 bbl	stk/min	0	stk	min () !	stk/min	
Sample Locati	on			Suction		suction	Tot. on Lo	cation 2759	9 ppl	gal/min	0	gal	min () (jal/min	0
Flowline Temp	erature °F							PHHP = 0		CI	IRCULA	TION DA	TA	n	= 0.659	K = 159.06
Depth (ft)				10,249'		10,260'	Bit	Depth = 50	00 '		Washou	ıt =	F	Pump Ef	iciency	= 95%
Mud Weight (p	pg)			9.1		9.3	Drill String	Volume	to Bit	0.0 bbl	Strol	es To Bit		Tin	ne To Bit	
Funnel Vis (se	c/qt)		@ 100 °F	36		41	Disp.	Bottoms Up	o Vol.	23.0 bbl	Bottom	sUp Stks		Bottoms	Up Time	
600 rpm				30		36	0.0 bbl	TotalCir	c.Vol.	670.0 bbl	Tota	Circ.Stks		Total C	rc. Time	
300 rpm				19		23		DRILLING	S ASS	SEMBLY DA	ATA		S	OLIDS C	ONTRO	DL
200 rpm				16		17	Tubulars	OD (in.)	ID	(in.) Le	ngth	Тор	Unit	S	creens	Hours
100 rpm				12		15				5	00'	0'	Shaker	1	140	6.0
6 rpm				5		6						500'	Shaker	2	140	6.0
3 rpm				4		5						500'	Shaker	3	140	6.0
Plastic Viscosi	ty (cp)		@ 150 °F	11		13						500'				
Yield Point (lb/	'100 ft²)		T0 = 3	8		10		CASIN	G & F	HOLE DATA	١					
Gel Strength (l	b/100 ft ²)	10	sec/10 min	6/10		6/9	Casing	OD (in.)	ID	(in.) De	epth	Тор	Centrifug	e 1		6.0
Gel Strength (l	b/100 ft ²)		30 min	12		11	Riser						VOLUM	E ACCC	UNTIN	G (bbls)
HTHP Filtrate	(cm/30 mir	ገ)	@ 300 °F	8.0		8.0	Surface	10 3/4		2,	769'	0'	Prev. T	otal on L	ocation	2747.
HTHP Cake T	hickness (32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	875 10,	,239'	0'	Transfe	rred In(+)/Out(-)	
Retort Solids (Content			9%		10%	Washout 1							Oil Ac	lded (+)	37.
Corrected Soli	ds (vol%)			7.3%		8.4%	Washout 2						E	Barite Ad	lded (+)	0.
Retort Oil Con	tent			71%		70%	Oper	n Hole Size	0.	000 10,	,249'		Other Pro	oduct Us	age (+)	0.
Retort Water 0	Content			20%		20%	AN	NULAR GE	OME.	TRY & RHE	OLOGY		V	Vater Ad	lded (+)	
O/W Ratio				78:22		78:22	annula	r me	as.	velocity	flow	ECD	Lef	t on Cut	tings (-)	0.
Whole Mud Ch	nlorides (m	g/L)		42,000		41,000	section	n de _l	pth	ft/min	reg	lb/gal	ı	Evap/ Ce	ent/ Pits	-25.
Water Phase S	Salinity (pp	m)		247,723		243,260							Non-Rec	overable	Vol. (-)	
Whole Mud Al	kalinity, Po	m		1.0		1.5	6.875x	0 50	00'	0.0	lam	9.05	Est. T	otal on L	ocation	2759.
Excess Lime (lb/bbl)			1.3 ppb		2 ppb							Est. Loss	ses/Gain	s (-)/(+)	0.
Electrical Stab	ility (volts)			455 v		420 v							BIT	HYDRAI	JLICS E	ATA
Average Spec	ific Gravity	of Solids	S	3.05		3.14							Bit H.S.I.	Bit ∆F	Nozz	zles (32nds
Percent Low G	Gravity Soli	ds		4.4%		4.6%										
ppb Low Gravi	ity Solids			36 ppb		38 ppb							Bit Impact	Nozzle		
Percent Barite				2.9%		3.8%							Force	Velocit (ft/sec		
ppb Barite				42 ppb		54 ppb	BIT D	DATA	Ма	anuf./Type						
Estimated Total	al LCM in S	System	ppb				Size	Depth In	Но	ours Foo	otage F	OP ft/hr	Motor/M\	VD C	alc. Circ	. Pressur
Sample Taken	Ву			A. ROMAN	0	M Washburn										
Remarks/Reco OBM REC OBM ON S OBM LOSS	EIVED: _:	2,780bb =1,16	5bbls (Stor	age)70		.ctive)	of space tanks. So down to	er back to s ecure well 9#. with Di	urfact and s esel	on Interme te and 6bbl start on tes additions a oduction dr	ls of Ce ting BO and Cen	ment. Di P's. Cu	ispose san t back OBN	ne overt If in the	to ope active	n top system
J	ke Washbu 61-945-577		ng. 2: Adolf hone: 956-8	321-9994 Any opir		432-686 recommenda	-7361 P	hone: d orally or writ		rein, has beer		ı	Daily Total \$1,910.00			tive Cost
W P Y	E C 1 1	1 1	2 1	carefully	and may b	e usen it ton	USEL SU PIPUL	. nowever no	renres	entation is mo	ide as to t	ne i		J	, ,	

MATERIAL CONSUMPTION

Date 07/24/20	Operator MAG I	NOLIA OIL		Well Name a	ind No. TZ OL UNI T	Г ЗН	Rig Name an	d No. 18	Report No. Repo	ort #7
	DAILY	USAGE 8	& COST				1			ATIVE
			Previous		Closing	Daily			Cum	
Item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	58		58				27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36	88		88					
EVO-LUBE	gal	\$14.00	975		975					
NEW GEL (PREMIUM)	100# sk	\$19.75	70		70					
ALUMINUM TRISTEARATE	25# sk	\$162.83	20		20					
CACL2 (50)	50# sk	\$14.32	112		112				112	\$1,603.84
LIME (50)	50# sk	\$5.00	250		250				100	\$500.00
OPTI - G	50# sk	\$30.59	120		120				40	\$1,223.60
BENTONE 38 (50)	50# sk	\$163.94	24		24					
BENTONE 910 (50)	50# sk	\$59.40	62		62				4	\$237.60
BENTONE 990 (50)	50# sk	\$83.59	40		40				6	\$501.54
OPTI - MUL OPTI - WET	gal	\$10.75 \$8.34	475 550		475 550				150 165	\$1,612.50 \$1,376.10
NEW PHALT	gal 50# sk	\$38.72	131		131				19	\$735.68
OIL SORB (25)	25# sk	\$4.75	18		18				13	Ψ/33.00
		, ,								
NEW CARB (M)	50# sk	\$5.25	98		98				22	\$115.50
CYBERSEAL	25# sk	\$21.47	180		180				22	ψ.10.00
MAGMAFIBER F (25)	25# sk	\$28.05	52		52				42	\$1,178.10
MAGMAFIBER R (30)	30# sk	\$28.05	78		78					. ,
VARISEAL	50# sk	\$26.50	50		50					
FIBER PLUG	30# sk	\$30.37	15		15					
DYNAFIBER (M)	25# sk	\$53.67	120		120					
NEW WATE (OACK BARITE)	100"	044.50	101		404					001100
NEW WATE (SACK BARITE) BARITE BULK (100)	100# sk	\$11.50 \$7.00	104 1508		104 1508				56 620	\$644.00 \$4,340.00
BARTIE BULK (100)	100# SK	\$7.00	1506		1506				620	\$4,340.00
OPTI DDILL (OPM)	b.b.1	#0F 00	0770		0770				44	#040.00
OPTI DRILL (OBM)	bbl	\$65.00	2776		2776				14	\$910.00
DISCOUNTED OBM	bbl	\$15.00								
	501	ψ10.00								
	+									
					 		1			
ENGINEERING (24 HR)	each	\$925.00					\$1,850.00			\$11,100.00
ENGINEERING (DIEM)	bbl	\$30.00				2			12	\$360.00
	-									\$360.00
ENGINEERING (DIEM)	bbl	\$30.00							12	\$360.00
ENGINEERING (DIEM)	bbl	\$30.00							12	\$360.00
ENGINEERING (DIEM) ENGINEERING (MILES)	bbl each	\$30.00 \$1.00							12	\$360.00 \$1,000.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt)	bbl each	\$30.00 \$1.00 \$2.65							12	\$360.00 \$1,000.00
ENGINEERING (DIEM) ENGINEERING (MILES)	bbl each	\$30.00 \$1.00							12	\$360.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each each	\$30.00 \$1.00 \$2.65 \$795.00							12000	\$360.00 \$1,000.00 \$3,304.66
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min) PALLETS (ea)	each each each each	\$30.00 \$1.00 \$2.65 \$795.00 \$12.00	ub-Total \$1						12 1000 1247	\$360.00 \$1,000.00 \$3,304.66 \$144.00

THIRD PARTY COST SHEET

Date	Operator			Well Name a	nd No.		Rig Name an	d No.	Report No.	
07/24/20	MAGI	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т ЗН	24	48	Repo	ort #7
	DAILY	USAGE 8	k COST						СПМП	LATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	250		250					
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32								\$9,504.00
OBM_D 7/21	gal	\$1.32			4850	1560	\$2,059.20		2552	
DIESEL DELIVERY 7/22/20	gal	\$1.35			7402					
					Daily S	ub-Total \$2	2,059.20		\$33,9	77.64
	Cum	ulative Tota	I AES & 3rd	Party \$66	211.88					
	Guill									

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name: MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

DIETZ OL UNIT 3H

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4																
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249															
l l	Ending Depth	2,769	7,751	10,249	10,249	10,249																
	Footage Drilled	-	4,982	2,498	-	-	-	_	_	_	_	_	_		_	_	_	_	_	_	_	_
·	New Hole Vol.		4,362	2,498				-				-	_		_					_		_
	Starting System Volume Chemical Additions	2,348	2,348	2,776	2,776	2,748	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759
	Base Fluid Added		315	5 235	29	37																
	Barite Increase		313	47	- 29	-																
	Weighted Mud Added		468	47		-																
	Slurry Added		400		-	-																
	Water Added		5	16	-	-																
	Added for Washout		5	4	-	-																
	Total Additions	-	807	307	29	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surface Losses		31	40	-	-																
15	Formation Loss			15	-	-																
567	Mud Loss to Cuttings		330	237	-	-																
40	Unrecoverable Volume				40	-																
75	Centrifuge Losses		18	15	16	26																
769	Total Losses	-	379	307	56	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,759	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759
36	Mud Recovered		36																			
					omment							omment	c·						omment	c.		
					Omment	3.						Omment	J.						Omment	J.		
		7/20/20	Skid Volur and Test.	ne 2093bbl	s + 255bbls	s left in cas	ing. Skidd	ing/ NU	7/27/20							8/3/20						
2,816		7/21/20	Rec. 432b Evap-20.6 35.7bbls	bls from Nebbls, Cent-	ewpark. Mu 18bbls, Pits	ud lost to Cos-10bbls////	utting-330. // Recovere	4bbls, ed	7/28/20							8/4/20						
		7/22/20		o Cutting 23 d Seepage		p 25bbls, C	Cent 15bbls	s,Pits	7/29/20							8/5/20						
		7/23/20 Running Casing in the hole.							7/30/20							8/6/20						
		7/24/20	Test bop's	and pick u	p BHA and	4.5" DP.			7/31/20							8/7/20						
		7/25/20							8/1/20							8/8/20						
		7/26/20							8/2/20							8/9/20						

110 Old Market St. St Martinville, LA 70582

TEL: (337) 394-1078

15.0° 3,951' TVD

	IOLIA C	OIL & G	AS		TERSO	ON	County / Paris	HINGTO	N	0	Start Date 7/10/20					10,249	ft
Well Name and No	TZ OL U	JNIT 3H	1	Rig Name ar	248		State	EXAS		Spud Dat	。 7/09/20		nt ROP		ctivity Pick	c up 4.	.5" DF
Report for	DISON/	IAMES	DVED	Report for	ol Pusi	or	Field / OSC-G	# DDIGNS		Fluid Type	OBM	Circu	lating Rate	C	Circula	ing Pressu	re
JIWI HAKI			TY SPECII			iei		OLUME (BI	SI /		PUMP #1		PUMP #2		RIS	ER BOO	STER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits		bbl	Liner S		75 Line		75		Size	JOILK
9-9.7	5-15	8-11	>400	±250K	<8 <11	<8	In Hole		bbl	Strok				2	Stro		
3 3.7		JD PROP		120011	40 411		Active		bbl	bbl/st				915	bbl		
Time Sample				2:00		13:30	Storag		2 bbl	stk/m			c/min	0.0	stk/		
Sample Locati				Suction		suction	J	cation 271		gal/m			ıl/min		gal/		
Flowline Temp		=		Cuonon		Cuotion	Mud Wt.		=11	YP=			ON DATA			.659 K	= 159.1
Depth (ft)				10,249'		10,260'		Depth = 4,0			Wash					ency = 9	
Mud Weight (r	ona)			9.1		9.1				35.2 b	-	okes To Bi				To Bit	
Funnel Vis (se	. 07		@ 102 °F	36		40	Drill String Disp.	Bottoms U				omsUp Stks		Bottom			
600 rpm	~ 11/		0_ /	30		35	44.8 bbl		•	787.4		talCirc.Stk		Total			
300 rpm				19		22	5 551	DRILLING								NTROL	
200 rpm				16		17	Tubulars				Length	Тор	Unit		Scre		Hours
100 rpm				12		14	Drill Pipe	4.500		326	1,290'	. 00	Shaker		14		
6 rpm				5		5	Collars	5.000		000	35'	1,290'	Shaker		14		
3 rpm				4		4	Hevi Wt	4.500		500	2,593'	1,325'	Shaker	. 3	14	10	
Plastic Viscos	ity (cp)		@ 150 °F	11		13	Dir. BHA	5.000		888	116'	3,918'					
Yield Point (lb.	• • • • • • • • • • • • • • • • • • • •		T0 = 3	8		9		CASIN	IG & I	HOLE D	DATA		1				
Gel Strength (•	10 s	ec / 10 min	6/10		6/9	Casing	OD (in.)	ID ((in.)	Depth	Тор	Centrifug	ge 1			
Gel Strength (30 min	12		10	Riser	` '		` ,	·	·	VOLUN	IE ACC	coul	NTING (bbls)
HTHP Filtrate			@ 300 °F	8.0		8.0	Surface	10 3/4	9.9	925	2,769'		Prev. T	otal on	Loc	ation	2759.1
HTHP Cake T	hickness	(32nds)		2.0		2.0	Int. Csg.	7 5/8	6.8	375	10,239'		Transfe	erred In	(+)/C	Out(-)	
Retort Solids (Content			9%		9.5%	Washout 1							Oil A	Adde	d (+)	
Corrected Soli	ds (vol%)			7.3%		7.9%	Washout 2							Barite A	Adde	d (+)	
Retort Oil Con	tent			71%		70.5%	Oper	n Hole Size	6.7	750	10,249'		Other Pr	oduct l	Jsag	e (+)	
Retort Water (Content			20%		20%	AN	NULAR GE	ОМЕ	TRY &	RHEOLO	GY	, ·	Water A	Adde	d (+)	
O/W Ratio				78:22		78:22	annula	ar .		veloc	ity flow	ECD	Le	ft on C	uttino	gs (-)	
Whole Mud Cl	nlorides (r	ng/L)		42,000		42,000	sectio	ı de	pth	ft/mi	,	lb/gal		Evap/ 0	Cent	Pits	
Water Phase	Salinity (p	pm)		247,723		247,723		<u> </u>			<u> </u>		Non-Rec	overab	le Vo	ol. (-)	
Whole Mud Al	kalinity, P	om		1.0		1.2	6.875x4	1.5 1,2	290'		lam	9.05	Est. T	otal on	Loc	ation	2759.1
Excess Lime (lb/bbl)			1.3 ppb		1.6 ppb	6.875x	ά 5 1,3	325'		lam	9.05	Est. Los	ses/Ga	ins (-)/(+)	-44.4
Electrical Stab	ility (volts)		455 v		440 v	6.875x4	1.5 3,9	18'		lam	9.05	BIT	HYDRA	AULI	CS DAT	Α
Average Spec	ific Gravit	y of Solid	s	3.05		2.97	6.875x	5 4,0	34'		lam	9.05	Bit H.S.I.	Bit ∆	ΔP	Nozzles	(32nds)
Percent Low 0	Gravity So	lids		4.4%		5.1%										16 1	6 16
ppb Low Grav	ity Solids			36 ppb		42 ppb							Bit Impact	Nozz Veloc		16 1	6 16
Percent Barite				2.9%		2.8%							Force	(ft/se	-		
ppb Barite				42 ppb		40 ppb	BIT I	DATA	Mai	nuf./Typ	oe ULTEF	RRA RPS 61	3				
Estimated Tot	al LCM in	System					Size	Depth In	Но	urs I	Footage	ROP ft/h	Motor/M	WD	Calc	. Circ. P	ressure
Sample Taker	Ву			A. ROMAN		M Washburn	6 3/4	10,249 ft				#DIV/0!				69 ps	i
Afternoon Rem	arks/Recor	nmendatio	ons:				Afternoon F	Rig Activity:									
							Agita pits t heat utiliz	ator and 4- from 9.3 to s up will cl iing screei	1/2" [9.0 i nange ns use	DP, pip n prepa e shale ed in p	e depth aration for shaker street	at time of or drill out screens fi section be	est. Pick up report is 40 and FIT te rom 140 me fore installi from Tropi	034. Rest. After esh to ing nev	edud er m 170 w pa	cing mu ud syste mesh p nels. Se	id wt in em anels, ecure

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

19.4° 10,277' TVD

Report for JIM HARRISON/JAMES DYER	0.0000 0 0 2 K = 183.52 7 = 95% it 12 min
Page Carbon Page Page Carbon Page Page Carbon Page Carbon Page	0.0000 0 0.0000 0 0.0000 0 0.0000 0 0 0.0000 0 0 0.0000 0 0 0 0
Multo Potential Potenti	0.0000 0 0 K = 183.52 7 = 95% it 12 min
Weight	0.0000 0 2 K = 183.52 7 = 95% it 12 min
9-9.7 5-15 8-11 >400 \$250K 8-11 <8	0.0000 0 2 K = 183.52 7 = 95% it 12 min
	0 2 K = 183.52 7 = 95% it 12 min
Storage	0 2 K = 183.52 7 = 95% it 12 min
Suction Suct	2 K = 183.52 y = 95% it 12 min
Flowline Temperature "F	2 K = 183.52 y = 95% it 12 min
Depth (ft)	v = 95% it 12 min
Mud Weight (ppg)	it 12 min
Dribstring Disp. Bottoms Up Vol. 274.5 bbl Bottoms Up Siks 2,999 Bottoms Up Time Vol. 274.5 bbl Total Circ. Siks 11,718 Total Circ. Time Vol. Total Circ. Time Total Circ. Time Vol. Total Circ. Time	
Solution	26 min
21 22 DRILLING ASSEMBLY DATA SOLIDS CONTICULATION	
200 rpm	∍ 101 mir
100 rpm	OL
6 rpm 6 6 5 5 Agitatior 5.000 3.000 36' 7,756' Shaker 2 170 3 rpm 5 4 Plastic Viscosity (cp) @ 150 °F 12 13 Dir. BHA 5.000 2.688 117' 10,385' Yield Point (lb/100 ft²) T0 = 4 9 9 9 CASING & HOLE DATA Gel Strength (lb/100 ft²) 10 sec/10 min 6/9 6/9 6/9 Riser VOLUME ACCOUNTI HTHP Filtrate (cm/30 min) @ 300 °F 8.0 8.0 8.0 Surface 10 3/4 2,769' 0' Prev. Total on Location HTHP Cake Thickness (32nds) 2.0 2.0 Int. Csg. 7 5/8 6.875 10,239' 0' Transferred In(+)/Out, Washout 1 Washout 2 Retort Solids Content 70% 70.5% Open Hole Size 6.750 10,502' Other Product Usage (Control of the Control	Hours
3 rpm	12.0
Plastic Viscosity (cp)	12.0
Yield Point (lb/100 ft²) T0 = 4 9 9 CASING & HOLE DATA	12.0
Centrifuge 1 Cent	
Cel Strength (lb/100 ft²) 30 min 11 10 Riser WOLUME ACCOUNTI	
HTHP Filtrate (cm/30 min)	2.0
HTHP Cake Thickness (32nds) 2.0 2.0 Int. Csg. 7 5/8 6.875 10,239' 0' Transferred In(+)/Out(IG (bbls)
Retort Solids Content 9% 9.5% Washout 1 Oil Added (- Corrected Solids (vol%) 7.3% 7.9% Washout 2 Barite Added (- Retort Oil Content 70% 70.5% Open Hole Size 6.750 10,502' Other Product Usage (- Retort Water Content 21% 20% ANNULAR GEOMETRY & RHEOLOGY Water Added (- O/W Ratio 77:23 78:22 annular meas. velocity flow reg lb/gal Evap/ Cent/ Pi Water Phase Salinity (ppm) 243,046 247,723 Non-Recoverable Vol. (- Washout 1 Oil Added (- Barite Added (- Other Product Usage (- Water Added (- Corrected Solids (vol%) 7.3% 78:22 annular meas. velocity flow reg lb/gal Evap/ Cent/ Pi Non-Recoverable Vol. (- Non-Recoverable Vol. (- Corrected Solids (vol%) 7.3% 7.9% Washout 2 Barite Added (- Corrected Solids (vol%) 7.3% 7.9% Washout 2 Barite Added (- Corrected Solids (vol%) 7.3% 7.9% Washout 2 Barite Added (- Corrected Solids (vol%) 7.3% 7.9% Washout 2 Cother Product Usage (- Cother Product Usa	n 2759.
Corrected Solids (vol%) 7.3% 7.9% Washout 2 Open Hole Size 6.750 10,502' Other Product Usage (- Other Product Usage (- Other Product Usage (- Other Product Usage (- ANNULAR GEOMETRY & RHEOLOGY Other Product Usage (- Water Added (- Other Product Usage (- Other Product Usage (- Water Added (- Other Product Usage (- Other Product Usage (- Water Added (- Other Product Usage (- Other Produ)
Retort Oil Content 70% 70.5% Open Hole Size 6.750 10,502' Other Product Usage (- Retort Water Content 21% 20% ANNULAR GEOMETRY & RHEOLOGY Water Added (- O/W Ratio 77:23 78:22 annular section meas. welocity ft/min reg lb/gal Evap/ Cent/ Pi Water Phase Salinity (ppm) 243,046 247,723 Non-Recoverable Vol. (- Other Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Content of the Product Usage (- Water Added (- Content of the Product Usage (- Co) 77.
Retort Water Content 21% 20% ANNULAR GEOMETRY & RHEOLOGY Water Added (- 277:23 78:22 300 Whole Mud Chlorides (mg/L) 43,000 42,000 Water Phase Salinity (ppm) 243,046 247,723 ANNULAR GEOMETRY & RHEOLOGY Water Added (- 48) 0.
O/W Ratio 77:23 78:22 annular meas. velocity ft/min reg lb/gal Evap/ Cent/ Pi Water Phase Salinity (ppm) 243,046 247,723 Evap/ Cent/ Pi) 0.
Whole Mud Chlorides (mg/L) 43,000 42,000 42,000 42,000 42,000 42,000 42,000 42,000 Evap/ Cent/ Pi Non-Recoverable Vol. () 20.
Water Phase Salinity (ppm) 243,046 247,723 Non-Recoverable Vol. () -10.
	s -15.
Whole Mud Alkalinity, Pom 1.7 1.2 6.875x4.5 7,756' 404.6 turb 10.08 Est. Total on Location) -115.
	n 2714.
Excess Lime (lb/bbl) 2.2 ppb 1.6 ppb 6.875x5 7,792' 490.9 turb 10.13 Est. Losses/Gains (-)/(-) 0.
Electrical Stability (volts) 441 v 440 v 6.875x4.5 10,239' 404.6 turb 10.15 BIT HYDRAULICS	
Average Specific Gravity of Solids 2.94 2.97 6.75x4.5 10,385' 431.8 turb 10.20 Bit H.S.I. Bit △P No.	<u>, </u>
Percent Low Gravity Solids 4.9% 5.1% 6.75x5 10,502' 531.6 turb 10.25 0.86 119 psi	<u>, </u>
ppb Low Gravity Solids 40 ppb 42 ppb Bit Impact Velocity	DATA zzles (32nds
Percent Barite 2.4% 2.8% Force Velocity (ft/sec)	DATA zzles (32nds
ppb Barite 35 ppb 40 ppb BIT DATA Manuf./Type ULTERRA RPS 613 253 lbs 121	DATA zzles (32nds
Estimated Total LCM in System ppb Size Depth In Hours Footage ROP ft/hr Motor/MWD Calc. Ci	DATA zzles (32nds
Sample Taken By A. ROMAN 0 M Washburn 6 3/4 10,249 ft 4.0 242 ft 60.5 2,240 psi 5,4	DATA zzles (32nds

Remarks/Recommendations:

OBM RECEIVED: _2,780bbls / OBM RETURNED:

OBM ON SURFACe--1,642bbls (Storage)---671bbls (Active)

OBM LOSS/GAIN--(Daily -)-----Total (-14bbls)

Rig Activity:

Pick up New BHA and start to pick up 4.5" DP. Circulate Active system while TIH, Monitor MW and maintain 9ppb. Tag top of float collar, initiate circulation and start drilling shoe track. Drilled 10' of new formation and perform FIT to 13EMW (2050psi). Test good. Resume drilling operations on Curve section of the well. Maintain MW 9ppg with additions of diesel and Centrifuge application. change screens on 2 shakers to API 170, for solids control, Run Centrifuge 1hr/2hrs off, to assist on same. At the time of report Drilling ahead passing 10516'.

Е	ng. 1:	Mi	ke W	ashbı	urn	Er	ng. 2:	Adolfo	Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Р	hone:	36	61-94	5-57	77	Pł	none:	956-8	21-9994	Phone:	432-686-7361	Phone:	-			
W 1	P 1	Y 1	E 1	C 1	g 1	G 1	H 2	O 1	carefully	and may be		o elects, however	, no representati	nas been prepared on is made as to the	\$1,910.00	\$34,144.24
												INCLUDI	NG 3RD PAR	TY CHARGES	\$6,184.16	\$72,396.04

MATERIAL CONSUMPTION

Date 07/25/20	Operator MAGI	NOLIA OIL		Well Name a	na No. TZ OL UNIT	3Н	Rig Name ar	10 NO. 48	Report No. Repo	ort #8
	DAILY	USAGE 8	& COST				•		CUMU	LATIVE
			Previous		Closing	Daily			Cum	
Item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cos
SAPP (50)	50# sk	\$44.56			58				27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36			88					
EVO-LUBE	gal	\$14.00			975					
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75 \$162.83	70 20		70 20					
ALUMINUM TRISTEARATE	25# SK	\$102.83	20		20					
CACL2 (50)	50# sk	\$14.32	112		112				112	· ,
LIME (50)	50# sk	\$5.00			250				100	
OPTI - G	50# sk	\$30.59	120		120				40	\$1,223.6
BENTONE 38 (50)	50# sk	\$163.94	24		24				4	#227.0
BENTONE 910 (50) BENTONE 990 (50)	50# sk 50# sk	\$59.40 \$83.59	62 40		62 40				6	
OPTI - MUL	gal	\$10.75	475		475				150	
OPTI - WET	gal	\$8.34	550		550				165	
NEW PHALT	50# sk	\$38.72	131		131			1	19	
OIL SORB (25)	25# sk	\$4.75	18		18			1		
NEW CARB (M)	50# sk	\$5.25			98				22	\$115.50
CYBERSEAL MACMAFIRED E (25)	25# sk	\$21.47	180		180				40	¢4.470.44
MAGMAFIBER F (25)	25# sk	\$28.05	52		52				42	\$1,178.10
MAGMAFIBER R (30) VARISEAL	30# sk 50# sk	\$28.05 \$26.50	78 50		78 50					
FIBER PLUG	30# sk	\$30.37	15		15			İ		
DYNAFIBER (M)	25# sk	\$53.67	120		120					
	20# 310	\$00.07	120		120			1		
								1		
								1		
NEW WATE (SACK BARITE)	100# sk	\$11.50			104				56	
BARITE BULK (100)	100# sk	\$7.00	1508		1508		1		620	\$4,340.00
							1	-		
								-		
								}		
								1		
								1		
OPTI DRILL (OBM)	bbl	\$65.00	2776		2776				14	\$910.00
DICCOLINITED COM		* * * * * * * * * * * * * * * * * * *					-			
DISCOUNTED OBM	bbl	\$15.00								
							1	1		
								1		
								1		
]		
ENGINEERING (24 HR)	each	\$925.00					\$1,850.00			\$12,950.00
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00		14	
ENGINEERING (MILES)	each	\$1.00					<u> </u>		1000	\$1,000.0
								-		
TRUCKING (4)		00.00						ł		# 0.001.5
TRUCKING (cwt) TRUCKING (min)	each	\$2.65 \$795.00					1	-	1247	\$3,304.66
I NOCKING (MIN)	each	\$795.00 \$12.00						1	12	\$144.00
PΔI LETS (ea)	1 000h									. ⊕1 44 .U
	each									
PALLETS (ea) SHRINK WRAP (ea)	each	\$12.00							12	

THIRD PARTY COST SHEET

Date	Operator			Well Name a	and No.		Rig Name an	id No.	Report No.	
07/25/20	MAG	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	24	48	Repo	ort #8
	DAILY	USAGE 8	& COST						CUMUI	_ATIVE
ltem	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	250		250					
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
TORBO GIEW STNSEAL	25# SK	φ41.73	30		30					
OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32								\$9,504.00
OBM_D 7/21	gal	\$1.32			1612	3238	\$4,274.16			\$7,642.80
DIESEL DELIVERY 7/22/20	gal	\$1.35	7402		7402					
DIESEL DELIVERY 7/24/20	gal	\$1.35		7402	7402					
					1					
					1					
		<u> </u>	<u> </u>	<u> </u>	5		1.074.15			F4 00
					Daily S	ub-Total \$4	1,274.16		\$38,2	51.80
	-									
	Cum	ulative Tota	ıl AES & 3rd	Party \$72	,396.04					
						l				

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

DIETZ OL UNIT 3H

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20		7/22/20		7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4															
Frand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502														
Γotals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502															
	Footage Drilled	-	4,982	2,498	-	-	253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	New Hole Vol.	+ -	472	237		_	11	_	_	-			_	_			_	_	-	_		_
720	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715
0.4	Chemical Additions	2,340						2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713	2,713
	Base Fluid Added		19 315	5 235	- 29	37	- 77															
	Barite Increase		313	47		-	-															
			400	47																		
	Weighted Mud Added		468		-	-	-															
	Slurry Added	1	_	40	-	-																
	Water Added	1	5	16	-	-	20															
	Added for Washout			4	-	-	-															
1,277	Total Additions	-	807	307	29	37	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	Surface Losses		31	40	-	-																
15	Formation Loss			15	-	-																
578	Mud Loss to Cuttings		330	237	-	-	11															
156	Unrecoverable Volume				40	-	116															
90	Centrifuge Losses		18	15	16	26	15															
910	Total Losses	_	379	307	56	26	142	_	_	_		_	_	_	_	_	_	_	_	_		_
			0.0	00.																		
	Mud Transferred Out																					
2,715	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715
36	Mud Recovered		36																			
				С	omment	s:					С	omment	s <i>:</i>					С	omment	s:		
			Skid Volur	ne 2093bbl	s + 255bbl	s left in cas	ina. Skidd	na/ NU														
		7/20/20	and Test.				9	J	7/27/20							8/3/20						
	1		Rec. 432b	bls from Ne	wpark. Mi	ud lost to C	utting-330.	4bbls.														
2,816		7/21/20	Evap-20.6						7/28/20							8/4/20						
			35.7bbls																			
		7/22/20	Mud lost to	o Cutting 23	7bbls, Eva	ap 25bbls, (Cent 15bbls	,Pits	7/29/20							8/5/20						
		1122120	10bbls and	d Seepage	15.4				1129120							6/3/20						
		7/23/20	Running C	asing in the	hole.				7/30/20							8/6/20						
		7/24/20	Test bop's	and pick u	p BHA and	4.5" DP.			7/31/20							8/7/20						
		-10-10-0	TU1	1-707					04400							0/0/00						
		//25/20	TIH resum	ie drilling oi	n curve sec	tion.			8/1/20							8/8/20						
		7/26/20							8/2/20							8/9/20						
		1120/20							0/2/20							0/9/20						

110 Old Market St.

St Martinville, LA 70582

TEL: (337) 394-1078

79.7° 10,497' TVD

										•								
Operator MAGN	IOLIA (א וור	CAS	Contractor	TERSO	N	County / Parisl	n / Block HINGTO	N	_	er Start Date 07/10/20		rftg. 711 ft	i	Drilled	Depth 10,96	sn ft	, •
Well Name and No.		JIL 6	k GAS	Rig Name an		/N	State	IIIIVGTO	114	Spud E			ent ROP		Activity		וו טכ	
DIE	TZ OL	UNIT	3H		248			EXAS			07/09/20)	60 ft/h	r		LG (VE
Report for JIM HARF	DISON/	LAM	ES DVED	Report for	ol Pusi	or	Field / OSC-G	# DDIGNS		Fluid T	ype OBM	Circ	ulating Rate 454 gp	m		ting Pres 3,980		
JIWI HAKI			ERTY SPECI			ICI			DI \		PUMP #1		PUMP#		ļ	ER B	-	
Weight	PV	Y		CaCl2	GELS	HTHP	In Pits	DLUME (B	b L) I bbl	Lino				5.75		Size	003	IEN
9-9.7	5-15	8-1		±250K	<8 <11	<8	In Hole		bbl (Stro			troke	12	Str			
5-5.1			ROPERTIES	±250K	70 /11	~0	Active		0 bbl					.0915		/stk		
Time Sample		ODF	COPERTIES	2:00		13:30	Storage		2 bbl				k/min	59		min		
Sample Locati				Suction		suction	Ĭ	cation 271						227		min		
Flowline Temp		· -		120 °F		Suction	Mud Wt. =		=12	ŭ			ON DATA	221).652	K _ 1	193 5
Depth (ft)	Derature			10.358		10.960'		Depth = 10,		- 11			ONDATA	Dumn		ency =		
,	224			9.0		9.0	DIL L	Volume		122		nout = rokes To E	sit 1,460	Fullip		To Bit		
Mud Weight (p	. 07		@ 135 °F			46	Drill String Disp.						,	D-#-				
Funnel Vis (se	ec/qt)		@ 135 F	33		32	82.6 bbl	Bottoms U	•			omsUp Stl			omsUp			min
600 rpm				21		21	02.0 001	TotalCii			LY DATA	otalCirc.Stl	ts 11,694	SOLID	al Circ.			min
300 rpm				18		17	Tubulars					Ton	Un			eens		ours
200 rpm				14		15	Drill Pipe	4.500		(in.) 326	Length 8,214'	Тор	Shak			70	ПО	uis
100 rpm				6		6	Agitation			000	36'	8,214'	Shak			70		
6 rpm				5		5	Drill Pipe	4.500		500	2,593'	8,250'	Shak			70		
3 rpm	:h. (aa)		@ 150°E			11	Dir. BHA	5.000		588	2,593	10,843	Silak	ei 3	'	70		
Plastic Viscos	, , , ,		@ 150 °F T0 = 4			10	DII. BHA				DATA	10,043	4					
Yield Point (lb. Gel Strength (١	10 = 4 10 sec / 10 min	6/9		6/9	Cooing	OD (in.)		(in.)	Depth	Тор	Centrif	ugo 1				
			30 min			10	Riser	OD (III.)	טו	(111.)	Бериі	ТОР		IME AC	COLL	NTING	: /hh	le\
Gel Strength (@ 300 °F			7.0		10 3/4			2.760'						•	714.6
HTHP Filtrate				2.0		2.0	Surface		6.0)7E	2,769'			Total o			21	14.0
HTHP Cake T		(32na	S)				Int. Csg. Washout 1	7 5/8	0.0	375	10,239'		Irans	ferred	` '	()		
		`		9% 7.3%		9.5%									l Adde	, ,		
Corrected Soli	•)				7.6% 67.5%	Washout 2	Holo Sizo	6 7	75O	10,960'		Othor		Adde	, ,		
Retort Oil Con				70%		23%		Hole Size		750 TDV	· ·	2CV	Other I			, , ,		
	Content			21%			AN	NULAR GI	CIVIE	I	& KHEUL		╡.	Wate		, ,		21 5
O/W Ratio	blaridaa (ma/l \		77:23 43,000		75:25 49,000	annula section	ı ae	pth		ocity flow min reg	ECD lb/gal	'	eft on	/ Cent	• • •		-31.5
Whole Mud Cl				243,046		250,414							Non-Re					
Water Phase	- "	. ,		1.7		1.1	6.875x4	I	214'	41	1.6 turb	10.11				. ,	26	683.2
Whole Mud Al	-	-0111		2.2 ppb		1.4 ppb	6.875x		250'				Est. Lo	Total o		-	20	29.2
Excess Lime (,	۵۱		441 v		445 v	6.875x4		239'		9.4 turb 1.6 turb			T HYDI			Λ Τ Λ	25.2
Electrical Stab			colide	2.94		2.72	6.75x4		239 843'				Bit H.S.	1	ΔΡ	Nozzl		2nde)
Percent Low 0			oulus	4.9%		6%	6.75x4	,	960'		9.3 turb 0.7 turb		0.91		ΔP B psi	16	16	16
ppb Low Grav				4.9% 40 ppb		49 ppb	0.73%	, 10,	500	54	o., turb	10.32		No	zzle	16	16	16
Percent Barite				2.4%		1.6%							Bit Impa	Vel	ocity	10	10	10
ppb Barite	•			35 ppb		23 ppb	DIT L	DATA	Ma	nuf /T	ype ULTE	RRA RDS A	13 261 lbs	,	sec) 24			1
-	all CM:-	Sunt	om.	22 bhn		zo ppu	Size	Depth In		urs	Footage	ROP ft/h	+		1	. Circ.	Droo	euro
Estimated Tot		Joysie	5111	A. ROMAN		M Washburn	6 3/4	10,249 ft		.0	242 ft	60.5	2,240		Caic	5,593		
Sample Taker		mm	dations	A. KUIVIAN		w wasilbum		•	4	.0	∠4∠ II	00.5	2,240	hai	<u> </u>	J,J93	PSI	
Afternoon Rem	arks/Keco	ımen	นสถอกร:				Afternoon R	ag Activity:										

Sliding and rotating 6 3/4" hole section, orienting curve, last survey was 79 deg inclination, and sample were 100% AC. Maintain mud wt at 9.0 adding OPTIMUL and Lime to increase emulsion and alkalinity, and OPTIG, gilsonite for wellbore integrity and HTHP fluid loss reduction. Will start pumping LCM sweeps when curve is landed. Secure chemical inventory for potential heavy rains and winds from Tropical Storm Hanna.

TEL: (337) 394-1078

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

93.5° 10,466' TVD

	NOLIA (OIL &	GAS		TERSO	ON		Block IINGTOI	N	_	7/10		24 hr ft	1,880 ft			12,3	82 f	t
Well Name and No.	TZ OL	LINIT 1		Rig Name an	d No. 248		State	XAS		Spud Date	•)7/09	 a/20	Current	ROP 94 ft/hr		Activity		l at	eral
Report for	12 UL	OIVII (J1 1	Report for	240		Field / OCS-G #	-^43		Fluid Type		<i>11</i> £ U	Circula	ting Rate			ting Pre		cial
JIM HARI	RISON/	JAME	S DYER	То	ol Pusi	her	GID	DIGNS			ОВ	М		400 gpm	1	1	,256	ps	si i
	MUD	PROPE	RTY SPECIF	ICATION	S		MUD VO	LUME (BE	BL)	ı	PUMF	P #1		PUMP #2		RIS	ER B	oos	TER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	518	8 bbl	Liner S	Size	5.75	Liner	Size 5.	75	Liner	Size		
9-9.7	5-15	8-11	>400	±250K	<8 <11	<8	In Hole	477	7 bbl	Strok	ке	12	Stro	oke 1	2	Stro	ke		
		ı	'	7/26/20		7/25/20	Active	998	5 bbl	bbl/s	stk	0.0915	bbl	/stk 0.0	915	bbl	/stk	0.0	0000
Time Sample 1	Гaken			2:00		13:30	Storage	<u>164</u>	2 bbl	stk/m	nin	104	stk/	min (0	stk/	min		
Sample Location	on			Suction		suction	Tot. on Loc	cation 263	7 bbl	gal/m	nin	400	gal/	min (0	gal/	min		0
Flowline Temp	erature °F	=		150 °F		140 °F		PHHP = 29	3		CIF	RCULATI	ON DA	TA		n = 0	.610	K = 2	15.795
Depth (ft)				12,141'		10,960'	Bit D	epth = 12,	382 '		٧	Vashout:	= 1%		Pump	Effici	ency =	= 95%	6
Mud Weight (p	pg)			9.0		9.0	Drill String	Volume	to Bit	153.9	bbl	Stroke	To Bit	1,681	-	Time ⁻	To Bit	16	min
Funnel Vis (see	c/qt)		@ 130 °F	40		46	Disp.	Bottoms U	Jp Vol.	322.6	bbl	Bottomsl	Jp Stks	3,525	Bottor	nsUp	Time	34	min
600 rpm				29		32	90.4 bbl	TotalCi	rc.Vol.	994.5	bbl	TotalC	rc.Stks	10,865	Total	l Circ.	Time	104	l min
300 rpm				19		21		DRILLIN	G ASS	SEMBL'	Y DA	ГА		s	OLIDS	s co	NTRO	L	
200 rpm				15		17	Tubulars	OD (in.)	ID	(in.)	Len	gth	Гор	Unit		Scre	ens	Но	ours
100 rpm				12		15	Drill Pipe	4.500	3.	826	9,6	36'	0'	Shaker	1	17	70	2	4.0
6 rpm				6		6	Agitatior	5.000	3.	000	36	6' 9	,636'	Shaker	2	17	70	2	4.0
3 rpm				5		5	Drill Pipe	4.500	2.	500	2,5	93' 9	,672'	Shaker	. 3	17	70	2	4.0
Plastic Viscosi	ty (cp)		@ 150 °F	10		11	Dir. BHA	5.000	2.	688	11	7' 12	2,265'						
Yield Point (lb/	100 ft²)		T0 = 4	9		10		CASIN	NG & F	HOLE D	ATA								
Gel Strength (I	b/100 ft²)	1	0 sec/10 min	6/9		6/9	Casing	OD (in.)	ID	(in.)	Dep	oth	Гор	Centrifuç	ge 1			6	6.0
Gel Strength (I	b/100 ft ²)		30 min	12		10	Riser							VOLUM	IE AC	cou	NTING	dd) e	ıls)
HTHP Filtrate	(cm/30 mi	in)	@ 300 °F	6.0		7.0	Surface	10 3/4			2,7	69'	0'	Prev. T	otal o	n Loc	ation	2	714.6
HTHP Cake Th	hickness ((32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	875	10,2	239'	0'	Transfe	erred Ir	n(+)/C	Out(-)		
Retort Solids C	Content			10%		9.5%	Washout 1								Oil	Adde	d (+)		109.3
Corrected Solid	ds (vol%)			8.3%		7.6%	Washout 2								Barite	Adde	d (+)		0.0
Retort Oil Cont	tent			69%		67.5%	Open	Hole Size	6.	818	12,3	382'		Other Pr	roduct	Usag	e (+)		16.3
Retort Water C	Content			21%		23%	ANI	NULAR GE	OME	TRY &	RHEC	DLOGY		١	Water	Adde	d (+)		70.0
O/W Ratio				77:23		75:25	annular	· me	eas.	veloc	city	flow E	CD	Le	ft on C	Cutting	gs (-)		-84.9
Whole Mud Ch	nlorides (n	ng/L)		44,000		49,000	section	de	epth	ft/m	in	reg II	o/gal		Evap/	Cent	/ Pits		-38.8
Water Phase S	Salinity (pp	pm)		247,300		250,414		•			•	•			Lost F	Returi	ns (-)	-	150.0
Whole Mud All	kalinity, Po	om		1.8		1.1	6.875x4.	5 9,6	636'	362	.7	turb	9.94	Est. T	otal o	n Loc	ation	2	636.5
Excess Lime (I	b/bbl)			2.3 ppb		1.4 ppb	6.875x5	5 9,6	672'	440	.1	turb 1	0.02	Est. Los	ses/Ga	ains (-)/(+)		0.0
Electrical Stabi	ility (volts))		436 v		445 v	6.875x4.	5 10,	,239'	362	.7	turb 1	0.09	ВІТ	HYDR	AULI	CS D	ATA	
Average Speci	fic Gravity	y of Solid	ds	2.74		2.72	6.818x4.	5 12,	,265'	373	.5	turb 1	0.29	Bit H.S.I.	Bit .	ΔΡ	Nozz	es (3	2nds)
Percent Low G	Fravity Sol	lids		6.4%		6%	6.818x5	12,	,382'	456	.1	turb 1	0.39	0.63	96	psi	16	16	16
ppb Low Gravi	ty Solids			53 ppb		49 ppb								Bit Impact	Noz		16	16	16
Percent Barite				1.8%		1.6%								Force	Velo (ft/s	•			
ppb Barite				26 ppb		23 ppb	BIT D	ATA	Ma	anuf./Ty	ре	ULTERRA	RPS 613	204 lbs	10	9			
Estimated Total	al LCM in	System	ppb				Size	Depth In	Н	ours	Foot	age RC	P ft/hr	Motor/M	WD	Calc	. Circ	Pres	ssure
Sample Taken	Ву			A. ROMAN	0	M Washburn	6 3/4	10,249 ft	2	4.0	2,12	22 ft	38.4	2,240	psi		4,987	7 psi	

Remarks/Recommendations:

OBM RECEIVED: _2,780bbls / OBM RETURNED:

OBM ON SURFACe--1,642bbls (Storage)---518 bbls (Active)

OBM LOSS/GAIN--(Daily -140)----- Total (-154bbls)

Rig Activity:

Drilling ahead on lateral section. Curve landed @11,206'. At 12,342' Lost returns. Pump Sweep out of slug tank and fill up same with fresh water and resume drilling operations with fresh water. No heavy mud cap at this time; casing pressure reading 0psi. While drilling with returns, maintain constant additions of Diesel and Water for dilution and to offset evaporation. Maintain MW 9ppg, maintain Rheology with additions of Bentone, Lime and CaCl2 for alkalinity and WPS. New Phalt and Opti G for Fluid loss reduction. At the time of report, drilling/Sliding ahead with fresh water.

En	g. 1:	Mi	ke W	ashbı	urn	Er	ng. 2:	Adolf	o Roman	WH 1:	MIDLAN	D W	H 2:	NH #2	Rig Phone:	Daily Total	Cumulative Cost
Ph	one:	36	31-94	5-57	77	Pł	none:	956-8	321-9994	Phone:	432-686-73	361 Ph	ne:	-			
W 1	P 1	Y 1	E 1	C 1	g 1	G 1	H 1	O 1	carefully	and may be	used if the us		owever, no i	epresen	in, has been prepared station is made as to the	\$15,957.08	\$50,101.32
												INC	LUDING	3RD P	ARTY CHARGES	\$22,420.12	\$94,816.16

MATERIAL CONSUMPTION

NEW GEL (PREMIUM) ALUMINUM TRISTEARATE 25# sk \$162.83 S162.83	Well Name	and No. ETZ OL UNI	Т 3Н	Rig Name and		ort #9
New Carb Mark Mar	Γ			•	СПИ	JLATIVE
New Carb Mark Mar	us	Closing	Daily		Cum	
PHPA LIQUID (pail) EVO-LIBE gal \$14.00 RW GEL (PREMIUM) ALUMINUM TRISTEARATE 25# sk \$162.83 ALUMINUM TRISTEARATE 25# sk \$14.32 ALUMINUM TRISTEARATE 25# sk \$162.83 ALUMINUM TRIST	RACAIVAC	Inventory	Usage	Daily Cost	Usage	Cum Cost
EVO-LUBE (Sal \$14.00) NEW GEL (PREMIUM) (ALUMINUM TRISTEARATE (25# sk \$19.76) (ALUMINUM TRISTEARATE (CACL2 (50) (CACL2 (50) (CACL2 (50) (CACL2 (50) (CACL3 (50) (CA	58	58			2	7 \$1,203.12
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE 25# sk \$162.83 100# sk \$162.83 1	88	88				
ALUMINUM TRISTEARATE 25# sk \$162.83 CACL2 (S0)	975	975				
CACL2 (50)	70 20	70				
LIME (50)	20	20				
LIME (50)						
LIME (50)	112	88	24	\$343.68	13	6 \$1,947.52
OPTI - G	250	176	74		17	_
BENTONE 910 (50)	120	76	44		8	-
BENTONE 990 (50)	24	24				
OPTI - MUL gal \$10.75 OPTI - WET gal \$8.34 NEW PHALT 50# sk \$8.872 OIL SORB (25) 25# sk \$4.75 NEW CARB (M) 50# sk \$5.25 CYBERSEAL 25# sk \$21.47 MAGMAFIBER F (25) 25# sk \$28.05 MAGMAFIBER R (30) 30# sk \$30.5 VARISEAL 50# sk \$30.37 DYNAFIBER (M) 25# sk \$53.67 STILL (MILL (MI	62	58	4	\$237.60		8 \$475.20
OPTI - WET gal \$8.34 NEW PHALT 50# sk \$38.72 OIL SORB (25) 25# sk \$4.75 NEW CARB (M) 50# sk \$5.25 CYBERSEAL 25# sk \$21.47 MAGMAFIBER F (25) 25# sk \$28.05 VARISEAL 50# sk \$26.50 FIBER PLUG 30# sk \$30.37 DYNAFIBER (M) 25# sk \$53.67 NEW WATE (SACK BARITE) 100# sk \$7.00 1 NEW WATE (SACK BARITE) 100# sk \$7.00 1 NEW WATE (SACK BARITE) 100# sk \$7.00 1 OPTI DRILL (OBM) bbl \$65.00 2 OPTI DRILL (OBM) bbl \$15.00 DISCOUNTED OBM bbl \$15.00 ENGINEERING (24 HR) each \$925.00 ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$7.95.00 PALLETS (ea) each \$12.00	40	36	4	****	1	
NEW PHALT OIL SORB (25) 25# sk \$4.75	175	400	75	\$806.25	22	+
OIL SORB (25)	550	550	0.4	C4 040 40	16	_
NEW CARB (M) 50# sk \$5.25 CYBERSEAL 25# sk \$21.47 MAGMAFIBER F (25) 25# sk \$28.05 VARISEAL 50# sk \$28.05 VARISEAL 50# sk \$26.50 FIBER PLUG 30# sk \$26.50 DYNAFIBER (M) 25# sk \$30.37 DYNAFIBER (M) 25# sk \$53.67 NEW WATE (SACK BARITE) 100# sk \$11.50 BARITE BULK (100) 100# sk \$7.00 1 OPTI DRILL (OBM) bbl \$65.00 DISCOUNTED OBM bbl \$15.00 ENGINEERING (24 HR) each \$925.00 ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 FALLETS (ea) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00	18	97	34	\$1,316.48	5	3 \$2,052.16
CYBERSEAL 25# sk \$28.05 MAGMAFIBER F (25) 25# sk \$28.05 MAGMAFIBER R (30) 30# sk \$28.05 VARISEAL 50# sk \$26.50 FIBER PLUG 30# sk \$30.37 DYNAFIBER (M) 25# sk \$53.67 NEW WATE (SACK BARITE) 100# sk \$11.50 BARITE BULK (100) 100# sk \$7.00 1 OPTI DRILL (00M) bbl \$65.00 2 DISCOUNTED OBM bbl \$15.00 ENGINEERING (24 HR) each \$925.00 ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 TRUCKING (min) each \$265 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00	10	10				
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MAGMAFIBER R (30) 30# sk \$28.05 VARISEAL 50# sk \$26.50 FIBER PLUG 30# sk \$30.37 DYNAFIBER (M) 25# sk \$53.67 NEW WATE (SACK BARITE) 100# sk \$11.50 BARITE BULK (100) 100# sk \$7.00 1 OPTI DRILL (OBM) bbl \$65.00 2 DISCOUNTED OBM bbl \$15.00 ENGINEERING (24 HR) each \$925.00 ENGINEERING (MILES) each \$1.00 ENGINEERING (MILES) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00	180	180				
VARISEAL FIBER PLUG 30# sk \$30.37 DYNAFIBER (M) 25# sk \$53.67 NEW WATE (SACK BARITE) BARITE BULK (100) 100# sk \$7.00 1 0 0 0 0 0 0 0 0 0 0 0 0	52	47	5	\$140.25	4	7 \$1,318.35
FIBER PLUG DYNAFIBER (M) 25# sk \$53.67	78	78				
DYNAFIBER (M) 25# sk \$53.67	50	50				
NEW WATE (SACK BARITE) 100# sk \$11.50 BARITE BULK (100) 100# sk \$7.00 1 OPTI DRILL (OBM) bbl \$65.00 2 DISCOUNTED OBM bbl \$15.00 ENGINEERING (24 HR) each \$925.00 ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 TRUCKING (cwt) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) \$795.00	15	15				
BARITE BULK (100) 100# sk \$7.00 1	120	120				
BARITE BULK (100) 100# sk \$7.00 1						
BARITE BULK (100) 100# sk \$7.00 1						
BARITE BULK (100) 100# sk \$7.00 1						
BARITE BULK (100) 100# sk \$7.00 1						
BARITE BULK (100) 100# sk \$7.00 1						1
BARITE BULK (100) 100# sk \$7.00 1	104	104			5	6 \$644.00
OPTI DRILL (OBM) DISCOUNTED OBM DISCOUNTED O	104 508	104 1508			62	
DISCOUNTED OBM bbl \$15.00 DISCOUNTED OBM bbl \$15.00 ENGINEERING (24 HR) each \$925.00 ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 TRUCKING (cwt) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00	500	1300			02	0 \$4,340.00
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ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 TRUCKING (cwt) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00		1				1
ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 TRUCKING (cwt) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00		1				1
ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 TRUCKING (cwt) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00						-
ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 TRUCKING (cwt) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00						
ENGINEERING (DIEM) bbl \$30.00 ENGINEERING (MILES) each \$1.00 TRUCKING (cwt) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00			2	\$1,850.00	1	6 \$14,800.00
ENGINEERING (MILES) each \$1.00 TRUCKING (cwt) each \$2.65 TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00			2			6 \$480.00
TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00					100	
TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00						
TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00						
TRUCKING (min) each \$795.00 PALLETS (ea) each \$12.00						
PALLETS (ea) each \$12.00					124	7 \$3,304.66
		1			1	-
SHRINK WRAP (ea) each \$12.00					1	2 \$144.00
Daily Sub-Tota	\$15 957 09	Cumulat	ive Total \$	50.101 32	¢E0	,101.32

THIRD PARTY COST SHEET

Date	Operator			Well Name a	ind No.		Rig Name an	d No.	Report No.	
07/26/20	MAGI	NOLIA OIL	& GAS	DIE.	TZ OL UNI	Т 3Н	2	48	Repo	ort #9
	DAILY	USAGE 8	& COST	ı			·		CUMUI	_ATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	250		240	10	\$417.50		10	\$417.50
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
	20, 01	ψσ								
OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32							7200	\$9,504.00
OBM_D 7/21	gal	\$1.32	1612			1612	\$2,127.84		7402	\$9,770.64
DIESEL DELIVERY 7/22/20	gal	\$1.35	7402		4500	2902	\$3,917.70		2902	\$3,917.70
DIESEL DELIVERY 7/24/20	gal	\$1.35	7402		7402					
							1			
 										
							1			
	<u></u>				<u> </u>					
		l	l	l						
					Daily S	ub-Total \$6	6,463.04		\$44,7	14.84
	C	ulative Tota	1 VEC 8 3	Darty #04	816 16					
	Culli	arative TUI	ALU & 310	a.ty #34,	,010.10					
1	-									

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

DIETZ OL UNIT 3H

See 1/2000 1/2010 1/20						WEEK 1							WEEK 2							WEEK 3			
Bit Size 976 978 978 978 934		Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
Grand			Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Totals		Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4														
9.913 Frompap Drilled .	Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382													
893 Sev Role Vol.	Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382														
893 Sev Role Vol.	9.613	Footage Drilled	-	4.982	2.498	-	-	253	1.880	_	-	-	_	_	_	-	-	_	_	-	-	-	_
Sterring System Volume									-				-	-		-	-	-	-		_	-	_
## 1 Chemical Additions 19 5 - - 16			2.348			2.776	2.748			2.637	2.637	2.637	2.637	2.637	2.637	2.637	2.637	2.637	2.637	2.637	2.637	2.637	2.637
802 Base Fluid Added			_,0 .0				_,	_,		_,00.	_,00:	_,,	_,	_,	_,	_,	_,	_,	_,00:	_,	_,	_,	_,
47 Battle Increase 48 Weighted Mul Added 48 Weighted Mul Added 5 16							37	77															
488 Weighted Mark Added 468				010																			
- Slutry Added				468	77																		
111 Water Added				400																			
4 Added for Washout				5	16			1															
1,472 Total Additions				3																			
88 Surface Losses														l				l					
155 Formation Loss	•		-			29	37	97		-	-	-	-	-	-	-	-	-	-	-	-	-	-
663 Mud Loss to Cuttings				31		-	-																
156 Unrecoverable Volume					15	-	-		150														
110 Centrifuge Losses				330	237	-	-	11	85														
1,183 Total Losses - 379 307 56 26 142 273	156	Unrecoverable Volume				40	-	116	-														
- Mud Transferred Out	110	Centrifuge Losses		18	15	16	26	15	20														
- Mud Transferred Out	1 193	Total Losses		370	207	56	26	1/12	272	_		_	_	_	_		_	_		_	_		_
2,637 Ending System Volume 2,348 2,776 2,748 2,748 2,759 2,715 2,637 2,6	1,103	Total Losses	-	3/9	307	30	20	142	2/3	-	-	-		-	-	-	-	-	-	-	-	-	-
Comments: Comm	-	Mud Transferred Out																					
Comments: Comments: Comments: Comments: Comments: Comments:																							
Comments: Comments: Comments: Comments:	2,637	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637
2,816 Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test. 772720 8/3/20 8/3/20 7/21/20 Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls///////////////////////////////////	<i>'</i>		2,348		2,776	2,748	2,759	2,715	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637
2,816 Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Etvap-20.6bbls, Cent-18bbls, Pits-10bbls///// Recovered 35.7bbls 7/22/20 Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls, Pits 10bbls and Seepage 15.4 7/23/20 Running Casing in the hole. 7/30/20 Test bop's and pick up BHA and 4.5° DP. 7/31/20 Tith resume drilling on curve section. 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20	<i>'</i>		2,348		,	,	,	2,715	2,637	2,637	2,637	•	,	,	2,637	2,637	2,637	2,637	,	•	,	2,637	2,637
2,816 Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Etvap-20.6bbls, Cent-18bbls, Pits-10bbls///// Recovered 35.7bbls 7/22/20 Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls, Pits 10bbls and Seepage 15.4 7/23/20 Running Casing in the hole. 7/30/20 Test bop's and pick up BHA and 4.5° DP. 7/31/20 Tith resume drilling on curve section. 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20	<i>'</i>		2,348		,	,	,	2,715	2,637	2,637	2,637	•	,	,	2,637	2,637	2,637	2,637	,	•	,	2,637	2,637
2,816 7/21/20 Evap-20.6bbls, Cent-18bbls, Pits-10bbls///// Recovered 35.7bbls 7/28/20 8/4/20 7/22/20 Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls, Pits 10bbls and Seepage 15.4 7/29/20 8/5/20 7/23/20 Running Casing in the hole. 7/30/20 8/6/20 7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 8/7/20 7/25/20 TIH resume drilling on curve section. 8/1/20 8/8/20	<i>'</i>			36	C	omment	s:				2,637	•	,	,	2,637	2,637		2,637	,	•	,	2,637	2,637
2,816 7/21/20 Evap-20.6bbls, Cent-18bbls, Pits-10bbls///// Recovered 35.7bbls 7/28/20 8/4/20 7/22/20 Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls, Pits 10bbls and Seepage 15.4 7/29/20 8/5/20 7/23/20 Running Casing in the hole. 7/30/20 8/6/20 7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 8/7/20 7/25/20 TIH resume drilling on curve section. 8/1/20 8/8/20	<i>'</i>			36 Skid Volur	C	omment	s:				2,637	•	,	,	2,637	2,637		2,637	,	•	,	2,637	2,637
7/22/20 Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 7/29/20 8/5/20 7/23/20 Running Casing in the hole. 7/30/20 8/6/20 7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 8/7/25/20 TIH resume drilling on curve section. 8/1/20 8/8/20 7/25/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drilling 9/2/20	<i>'</i>			36 Skid Volur	C	omment	s:				2,637	•	,	,	2,637	2,637		2,637	,	•	,	2,637	2,637
7/22/20 Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls, Pits 10bbls and Seepage 15.4 7/29/20 8/5/20 7/23/20 Running Casing in the hole. 7/30/20 8/6/20 7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 8/7/20 7/25/20 TIH resume drilling on curve section. 8/1/20 8/8/20 7/36/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drilling 8/8/20	36		7/20/20	Skid Volur and Test. Rec. 432b	C ne 2093bbl	Fomment Is + 255bbl ewpark. Mi	s: s left in cas	sing. Skidd	ing/ NU 4bbls,	7/27/20	2,637	•	,	,	2,637		8/3/20	2,637	,	•	,	2,637	2,637
10bbls and Seepage 15.4 7/23/20 Running Casing in the hole. 7/30/20 8/6/20 7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 7/125/20 TIH resume drilling on curve section. 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20	36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6	C ne 2093bbl	Fomment Is + 255bbl ewpark. Mi	s: s left in cas	sing. Skidd	ing/ NU 4bbls,	7/27/20	2,637	•	,	,	2,637		8/3/20	2,637	,	•	,	2,637	2,637
10bbls and Seepage 15.4 7/23/20 Running Casing in the hole. 7/30/20 8/6/20 7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 7/125/20 TIH resume drilling on curve section. 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20 8/1/20	36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6	C ne 2093bbl	Fomment Is + 255bbl ewpark. Mi	s: s left in cas	sing. Skidd	ing/ NU 4bbls,	7/27/20	2,637	•	,	,	2,637		8/3/20	2,637	,	•	,	2,637	2,637
7/23/20 Running Casing in the hole. 7/30/20 8/6/20 7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 8/7/20 7/25/20 TIH resume drilling on curve section. 8/1/20 8/8/20 7/25/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drilling 8/8/20	36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	C ne 2093bbl bls from Ne bbls, Cent-	s + 255bbl ewpark. Mu 18bbls, Pits	s: s left in cas ud lost to C s-10bbls///	sing. Skidd	ing/ NU 4bbls,	7/27/20	2,637	•	,	,	2,637		8/3/20	2,637	,	•	,	2,637	2,637
7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 8/7/20 TIH resume drilling on curve section. 8/1/20 8/8/20	36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	Conne 2093bbl bls from Nebbls, Cent-	s + 255bbl ewpark. Mi 18bbls, Pits	s: s left in cas ud lost to C s-10bbls///	sing. Skidd	ing/ NU 4bbls,	7/27/20	2,637	•	,	,	2,637		8/3/20	2,637	,	•	,	2,637	2,637
7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 8/7/20 TIH resume drilling on curve section. 8/1/20 8/8/20	36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	Conne 2093bbl bls from Nebbls, Cent-	s + 255bbl ewpark. Mi 18bbls, Pits	s: s left in cas ud lost to C s-10bbls///	sing. Skidd	ing/ NU 4bbls,	7/27/20	2,637	•	,	,	2,637		8/3/20	2,637	,	•	,	2,637	2,637
7/24/20 Test bop's and pick up BHA and 4.5" DP. 7/31/20 8/7/20 TIH resume drilling on curve section. 8/1/20 8/8/20	36		7/20/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls	Conne 2093bbl bls from Nebbls, Cent-	s + 255bbl ewpark. Mi 18bbls, Pits	s: s left in cas ud lost to C s-10bbls///	sing. Skidd	ing/ NU 4bbls,	7/27/20	2,637	•	,	,	2,637		8/3/20	2,637	,	•	,	2,637	2,637
7/25/20 TIH resume drilling on curve section. 8/1/20 8/8/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drilling	36		7/20/20 7/21/20 7/22/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	center 2093bbl bls from Nebbls, Center of Cutting 23 d Seepage	Somment Separate Sepa	s: s left in cas ud lost to C s-10bbls///	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20	2,637	,	•	,	2,637	2,637
7/25/20 TIH resume drilling on curve section. 8/1/20 8/8/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drilling	36		7/20/20 7/21/20 7/22/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	center 2093bbl bls from Nebbls, Center of Cutting 23 d Seepage	Somment Separate Sepa	s: s left in cas ud lost to C s-10bbls///	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20	2,637	,	•	,	2,637	2,637
7/25/20 TIH resume drilling on curve section. 8/1/20 8/8/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drilling	36		7/20/20 7/21/20 7/22/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	center 2093bbl bls from Nebbls, Center of Cutting 23 d Seepage	Somment Separate Sepa	s: s left in cas ud lost to C s-10bbls///	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20	2,637	,	•	,	2,637	2,637
Curve landed, Drill on lateral to 12342' (Lost returns). Drilling	36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nebbls, Cent- c Cutting 23 d Seepage	Somment is + 255bbl ewpark. Mi 18bbls, Pit: 37bbls, Eva 15.4 e hole.	s: s left in case ud lost to C s-10bbls/// ap 25bbls, to	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20	2,637	,	•	,	2,637	2,637
Curve landed, Drill on lateral to 12342' (Lost returns). Drilling	36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nebbls, Cent- c Cutting 23 d Seepage	Somment is + 255bbl ewpark. Mi 18bbls, Pit: 37bbls, Eva 15.4 e hole.	s: s left in case ud lost to C s-10bbls/// ap 25bbls, to	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20	2,637	,	•	,	2,637	2,637
Curve landed, Drill on lateral to 12342' (Lost returns). Drilling	36		7/20/20 7/21/20 7/22/20 7/23/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and	bls from Nebbls, Cent- c Cutting 23 d Seepage	Somment is + 255bbl ewpark. Mi 18bbls, Pit: 37bbls, Eva 15.4 e hole.	s: s left in case ud lost to C s-10bbls/// ap 25bbls, to	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20	2,637	,	•	,	2,637	2,637
	36		7/20/20 7/21/20 7/22/20 7/23/20 7/24/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and Running C	bls from Nebbls, Cent- c Cutting 23 d Seepage and pick u	Somment Separate State S	s: s left in case ud lost to C s-10bbls//// ap 25bbls, 4 4.5" DP.	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20 7/31/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20 8/6/20	2,637	,	•	,	2,637	2,637
	36		7/20/20 7/21/20 7/22/20 7/23/20 7/24/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and Running C	bls from Nebbls, Cent- c Cutting 23 d Seepage and pick u	Somment Separate State S	s: s left in case ud lost to C s-10bbls//// ap 25bbls, 4 4.5" DP.	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20 7/31/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20 8/6/20	2,637	,	•	,	2,637	2,637
ahead with fresh water.	36		7/20/20 7/21/20 7/22/20 7/23/20 7/24/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and Running C	bls from Nebbls, Cent- c Cutting 23 d Seepage and pick u	Somment Separate State S	s: s left in case ud lost to C s-10bbls//// ap 25bbls, 4 4.5" DP.	sing. Skidd	ing/ NU 4bbls,	7/27/20 7/28/20 7/29/20 7/30/20 7/31/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20 8/6/20	2,637	,	•	,	2,637	2,637
	36		7/20/20 7/21/20 7/22/20 7/23/20 7/24/20 7/25/20	Skid Volur and Test. Rec. 432b Evap-20.6 35.7bbls Mud lost to 10bbls and Running C	bls from Nebbls, Cent- co Cutting 23 d Seepage and pick u and pick u ded, Drill or	Fomment Is + 255bbl ewpark. Min 18bbls, Pit: 37bbls, Eva 15.4 e hole. p BHA and in curve second lateral to	s: s left in case ud lost to C s-10bbls//// ap 25bbls, 4.5" DP.	cutting-330. Cent 15bbls	ing/ NU 4bbls, ad	7/27/20 7/28/20 7/29/20 7/30/20 7/31/20	2,637	•	,	,	2,637		8/3/20 8/4/20 8/5/20 8/6/20 8/7/20	2,637	,	•	,	2,637	2,637

110 Old Market St. St Martinville, LA 70582

TEL: (337) 394-1078

14.0° 2,703' TVD

Operator MAGN	IOLIA C	OIL & G	SAS	Contractor PA1	TERSO	ON	County / Paris	HINGTO	N	_	r Start Date)7/10/2(rftg. 1,453 ft		Drilled [12,41	3 ft	
Well Name and No.	TZ OL (JNIT 3	Н	Rig Name ar	nd No. 248		State T	EXAS		Spud Da	ote 07/09/20		ent ROP	,	Activity	POC	Н	
Report for				Report for			Field / OSC-G			Fluid Typ		Circ	ulating Rate	(Circulat	ing Press	ure	
JIM HARF					ol Push	ner		DDIGNS			OBM							
			TY SPECI	1				OLUME (BE			PUMP #1		PUMP #2			ER BO	OST	ER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits		bbl	Liner				75	Liner			
9-9.7	5-15	8-11	>400	±250K	<8 <11	<8	In Hole		bbl	Strol				2	Stro			
T 0 1		JD PROI	PERTIES	0.00		40.00	Active		bbl	bbl/s				915	bbl/			
Time Sample				2:00		13:30	Storag		<u>5 bbl</u>	stk/n			tk/min		stk/ı			
Sample Locati				Suction		suction		cation 278		gal/n			al/min		gal/ı		<u> </u>	<u></u>
Flowline Temp	erature °i	-		150 °F		40.440	Mud Wt. :		=10	YP=			ION DATA			.610 k		
Depth (ft)				12,141'		12,413'	Віт	Depth = 2,7		10.5	11.0.0	nout = 1%				ency =	95%	,
Mud Weight (p	1 07		@ 400 °F	9.0		9.0	Drill String Disp.	Volume				rokes To E			ime T			
Funnel Vis (se	ec/qt)		@ 130 °F			48	-	Bottoms U				omsUp Stł		Botton				
600 rpm				29		31	37.8 bbl	TotalCir				otalCirc.Stl		Total				
300 rpm				19		21	Todaydaya	DRILLING				Т				NTROL		
200 rpm				15		16	Tubulars	,		(in.)	Length	Тор	Unit		Scre		Hou	ırs
100 rpm				12		14	Drill Pipe			326	-24'	0.41	Shaker		17			
6 rpm				6		6	Agitation			000	36'	-24'	Shaker		17			
3 rpm	. , ,		@ 450 °E	5 10		5 10	Drill Pipe			500 588	2,593'	12'	Shaker	3	17	U		
Plastic Viscos	,		@ 150 °F			11	Dir. BHA	5.000 CASIN			117'	2,605'						
Yield Point (lb.		10.4	T0 = 4			6/8	Cooina			(in.)	Depth	Тор	Centrifuç	no 1				
Gel Strength (30 min	12		11	Casing Riser	. ,	יטו	(111.)	Берит	ТОР	VOLUN		COLIN	ITING	/hhl	
Gel Strength (@ 300 °F			6.0		10 3/4			2,769'							36.5
HTHP Filtrate HTHP Cake T			@ 300 F	2.0		2.0	Int. Csg.	7 5/8	6.0	375	10,239'		Prev. T				20	30.3
Retort Solids ((321105)		10%		10%	Washout 1	7 3/0	0.0	57.5	10,239		Transie		n(+)/C Adde	` ,		
Corrected Soli				8.3%		8.1%	Washout 2							Barite <i>i</i>		()		
Retort Oil Con				69%		69%		n Hole Size	6.8	318	12,413'		Other Pr			. ,		
Retort Water (21%		21%		NULAR GE				ngy	_	Water	Ū	. ,		
O/W Ratio	Jontent			77:23		77:23	AN	NOLAK OL					_	ft on C		. ,	_	-65.6
Whole Mud Cl	hlorides (r	ma/L)		44,000		49,000	annula sectio	ı ue	pth	veloo ft/m	-	ECD lb/gal		Evap/	Ì	, , ,		00.0
Water Phase	•	- ,		247,300		267,875								Lost R				
Whole Mud Al		. ,		1.8		1.1	6.875x	ι5 3	6'		lam	9.04	Fet T	otal or		. ,	25	70.9
Excess Lime (2.3 ppb		1.4 ppb	6.875x4		529'		lam		Est. Los			_		214.5
Electrical Stab	· ,)		436 v		445 v	6.875x		'46'		lam					CS DA		1 1.0
Average Spec	- ` `	•	······································	2.74		2.65	0.0707	.0 2,1	40		iam	3.04	Bit H.S.I.	Bit /	- 1	Nozzle		nds)
Percent Low G				6.4%		6.7%							J. (1.0.1.	ונע /			16	16
ppb Low Grav				53 ppb		55 ppb							D:: 1	Noz	zle		16	16
Percent Barite				1.8%		1.4%							Bit Impact Force	Velo	city	10	.0	-10
ppb Barite				26 ppb		20 ppb	BIT	DATA	Ma	nuf./Tv	pe ULTF	RRA RPS 6	13	(1036				
Estimated Total	al LCM in	System		, FP~		, FP~	Size	Depth In		urs	Footage	I		WD	Calc	. Circ. I	Pres	sure
Sample Taker		.,		A. ROMAN		M Washburn	6 3/4	10,249 ft		5.0	2,164 ft	86.6	2,240			2,293		-
Afternoon Rema		nmendati	ons:	<u> </u>	<u> </u>	<u> </u>	Afternoon F			ļ		1	1 ,	· <u> </u>				
							Drill drillin out o to su pres	ling 6 3/4" ng with free of hole to in urface. Wh	sh wa nstall en pu lepth	ater an back p ull out o at time	nd no retu pressure of hole fil e of repo	irns, at 1 float belo Il backsid rt is 2625	2 lost comple 2413 MWD ow MWD to le with 9.0# 5. Receiving	tool no allow : to 9.5‡	ot syr signa # OB	ncing until to tra M, No	ıp, F ansn cas	nit sing

OUTSOURCE FLUID SOLUTIONS LLC.

93.5° 10,463' TVD

	NOLIA (OIL & C	GAS		TERSO	ON	_	Block HINGTO	N		Date 10/20	24 hr f	14 ft			th ,427	ft
Well Name and No	TZ OL	UNIT 3	Н	Rig Name an	d No. 248		State TE	EXAS		Spud Date 07/(9/20	Currer	28 ft/hr	<i>F</i>	activity	TIH	
Report for				Report for			Field / OCS-G #			Fluid Type		Circula	ating Rate	C	Circulating		е
JIM HAR	RISON	/JAMES	S DYER	То	ol Pus	her	GID	DIGNS		W	BM		327 gpm	1		psi	
	MUD	PROPER	RTY SPECIF	ICATION	3		MUD VO	LUME (BI	BL)	PUN	/IP #1		PUMP #2		RISER	вос	STER
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits	56	o bbl	Liner Size	5.2	5 Line	r Size 5.	25	Liner Si	ze	
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole	47	'8 bbl	Stroke	12	Str	oke 1	2	Stroke		
				7/27/20			Active	103	38 bbl	bbl/stk	0.07	63 bb	l/stk 0.0	763	bbl/stk	C	0.0000
Time Sample	Taken			2:00			Storage	e <u>18</u>	17 bbl	stk/min	0	stk	/min 10	02	stk/mir	1	
Sample Locati	ion			suction			Tot. on Lo	cation 28	55 bbl	gal/min	0	gal	/min 32	27	gal/mir	1	0
Flowline Temp	erature °l	F						PHHP = ()	C	IRCULA	TION DA	TA .		n = 0.4	15 K=	114.973
Depth (ft)				12,413'			Bit D	Depth = 12	2,427 '		Washo	ut = 1%	I	Pump I	Efficien	y = 9	5%
Mud Weight (բ	opg)			8.4			Drill String	Volum	e to Bit	154.5 bbl	Stro	kes To Bit	2,025	T	ime To	Bit 2	20 min
Funnel Vis (se	ec/qt)		@ 80 °F	27			Disp.	Bottoms l	Up Vol.	323.8 bbl	Botton	nsUp Stks	4,243	Botton	nsUp Tir	ne 4	l2 min
600 rpm				4			90.6 bbl	TotalC	irc.Vol.	1038.3 bb	l Tota	alCirc.Stks	13,606	Total	Circ. Tir	ne 1	33 min
300 rpm				3				DRILLIN	IG ASS	SEMBLY D	ATA		S	OLIDS	CONT	ROL	
200 rpm				2			Tubulars	OD (in.)	ID	(in.) Le	ength	Тор	Unit		Screer	s I	Hours
100 rpm				1			Drill Pipe	4.500	3.	826 9	,679'	0'	Shaker	1	170		0.0
6 rpm	•						Agitatior	5.000	3.	000	34'	9,679'	Shaker	2	170		0.0
3 rpm	•			1			Drill Pipe	4.500	2.	500 2	,593'	9,713'	Shaker	3	170		0.0
Plastic Viscos	ity (cp)		@ 120 °F	1			Dir. BHA	5.000	2.	688	121'	12,306'					
Yield Point (lb.	/100 ft²)		T0 = 1	2				CASI	NG & I	HOLE DAT	A						
Gel Strength (lb/100 ft²)	10	sec/10 min	1/2			Casing	OD (in.)	ID	(in.) D	epth	Тор	Centrifug	je 1			0.0
Gel Strength (lb/100 ft ²)	ı	30 min	2			Riser						VOLUM	IE ACC	COUNT	NG (I	obls)
API Filtrate / C	Cake Thick	kness		25/1			Surface	10 3/4		2	,769'	0'	Prev. T	otal or	Locati	on	2636.5
HTHP Filtrate	/ Cake Th	nickness	@ 0 °F				Int. Csg.	7 5/8	6.	875 10	,239'	0'	Transfe	erred In	(+)/Out	(-)	455.0
Retort Solids (Content			0.5%			Washout 1							Oil	Added (+)	59.6
Retort Oil Con	itent			1%			Washout 2						ı	Barite A	Added (+)	0.0
Retort Water	Content			98.5%			Oper	n Hole Size	e 6.	818 12	2,427'		Other Pr	oduct	Jsage (+)	0.0
Sand Content				0.5%			ANI	NULAR G	EOME	TRY & RHI	EOLOG	1	\	Nater A	Added (+)	23.8
M.B.T. (Methy	lene Blue	Capacity) (ppb)				annulai	r m	neas.	velocity	flow	ECD	Le	ft on C	uttings	(-)	-0.6
рН				8.4			section	n de	epth	ft/min	reg	lb/gal	Pun	nped D	own Ho	le	-319.0
Alkalinity, Muc	l Pm			0.1													
Alkalinities, Fi	Itrate Pf/M	1f		0.1/0.2			6.875x4	.5 9,	,679'	296.6	turb	8.74	Est. T	otal or	Locati	on	2855.3
Chlorides (mg	/L)			400			6.875x5	5 9,	,713'	359.9	turb	8.78	Est. Los	ses/Ga	ins (-)/(+)	0.0
Calcium (ppm)			40			6.875x4	.5 10	,239'	296.6	turb	8.81	BIT	HYDR.	AULICS	DAT	Α
Excess Lime (lb/bbl)						6.818x4	.5 12	2,306'	305.4	turb	8.90	Bit H.S.I.	Bit /	AP No	zzles	(32nds)
Average Spec	ific Gravit	y of Solid	s	2.60	2.60	2.60	6.818x5	5 12	2,427'	372.9	turb	8.95	0.32	60	osi 1	6 1	6 16
Percent Low 0	Gravity So	lids		0.5%									Bit Impact	Noz		6 1	6 16
Percent Drill S	Solids			0.5%									Force	Veloc (ft/se			
PPA Spurt / T	otal (ml) @	0	@ 0 °F				BIT D	АТА	Ma	anuf./Type	ULTERF	RA RPS 613	127 lbs	89	,		
Estimated Total LCM in System ppb							Size	Depth In	H	ours Fo	otage I	ROP ft/hr	Motor/M\	WD	Calc. C	irc. Pı	ressure
Sample Taker	п Ву			A. Roman			6 3/4	12,413 ft	t (0.5 1	4 ft	28.0	2,240 p	osi	3,	294 p	si
Remarks/Reco	mmendati	ons:				•	Rig Activity:	•	•		-		•	1			

OBM RECEIVED: _3,235bbls / OBM RETURNED:

OBM ON SURFACe--1,817bbls (Storage)---560bbls (Active)

TOTAL OBM ON SURFACE = 2377BBLS

OBM GAIN/LOSS---(Daily -236) Total (-390bbls) POOH and lay down BHA. Pick up and make up new BHA with Restrictor Sub and start TIH back to bottom. Fill up with fresh water while TIH. Received 455bbls of 13# (HLGS - \$15)OBM. Transfer Discounted mud to Pits 6&5 in the active to be used as Kill mud. Maintain Fresh water on Tank 8 for drilling and OBM sweeps out of tank 7 (10# with First Response 2ppb). At the time of the report we have resume drilling/Sliding ahead on lateral section.

Eı	ng. 1:	Mi	ke W	ashb	urn	Er	ng. 2:	Adolf	Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
PI	none:	30	61-94	5-57	77	Ph	none:	956-8	21-9994	Phone:	432-686-7361	Phone:	-			
W 1	P 1	Y 1	g 1	G 1	р 1	A 1	S 0	C 0	carefully	and may be	ecommendation, ex used if the user so ation, and this is a	elects, however	nas been prepared on is made as to the	\$17,250.00	\$67,351.32	
												INCLUDI	TY CHARGES	\$21,045.20	\$115,861.36	

MATERIAL CONSUMPTION

Date 07/27/20	Operator MAG I	NOLIA OIL	& GAS	Well Name a	ind No. TZ OL UNI T		Rig Name an	d No. 18	Report No. Repo	rt #10
		USAGE 8								LATIVE
		1	Г		Closing	Daily				
Item	Unit	Unit Cost	Previous Inventory	Received	Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	58		58				27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36	88		88					
EVO-LUBE	gal	\$14.00	975		975					
NEW GEL (PREMIUM)	100# sk	\$19.75	70		70					
ALUMINUM TRISTEARATE	25# sk	\$162.83	20		20					
CACL2 (50)	50# sk	\$14.32	88		88				136	\$1,947.52
LIME (50)	50# sk	\$5.00	176		176				174	\$870.00
OPTI - G	50# sk	\$30.59	76		76				84	\$2,569.56
BENTONE 38 (50)	50# sk	\$163.94	24		24					
BENTONE 910 (50)	50# sk	\$59.40	58		58				8	\$475.20
BENTONE 990 (50)	50# sk	\$83.59	36		36				10	\$835.90
OPTI - MUL OPTI - WET	gal	\$10.75	400		400 550				225	- '
	gal	\$8.34	550 97		97				165 53	
NEW PHALT OIL SORB (25)	50# sk 25# sk	\$38.72 \$4.75	18		18				53	\$2,052.16
OIL OOND (20)	20# SK	φ4.75	10		10					
NEW CARB (M)	50# sk	\$5.25	88		88				32	\$168.00
CYBERSEAL	25# sk	\$21.47	180		180				47	* • • • • • • • • • • • • • • • • • • •
MAGMAFIBER F (25)	25# sk	\$28.05	47		47				47	\$1,318.35
MAGMAFIBER R (30)	30# sk	\$28.05	78		78					
VARISEAL FIRE RILIC	50# sk 30# sk	\$26.50	50		50 15					
FIBER PLUG		\$30.37	15 120		120					
DYNAFIBER (M)	25# sk	\$53.67	120		120					
NEW WATE (SACK BARITE)	100# sk	\$11.50	104		104				56	\$644.00
BARITE BULK (100)	100# sk	\$7.00	1508		1508				620	
2, 2 2021. (100)	100% 610	ψσσ	1000		.000				020	ψ 1,0 10100
			2636		2400	236	\$15,340.00		390	\$25,350.00
OPTI DRILL (OBM)	bbl	\$65.00	2030						550	
			2030	455	455				330	
OPTI DRILL (OBM) DISCOUNTED OBM	bbl	\$65.00 \$15.00	2030	455	455				330	
			2030	455	455					
			2030	455	455					
			2030	455	455					
			2030	455	455					
			2030	455	455					
			2030	455	455					
			2030	455	455					
DISCOUNTED OBM ENGINEERING (24 HR)		\$15.00 \$15.00 \$925.00		455	455		\$1,850.00			
DISCOUNTED OBM ENGINEERING (24 HR) ENGINEERING (DIEM)	bbl	\$15.00 \$15.00 \$925.00 \$30.00		455	455	2 2 2	\$1,850.00		18	\$540.00
DISCOUNTED OBM ENGINEERING (24 HR)	bbl	\$15.00 \$15.00 \$925.00		455	455				18	
DISCOUNTED OBM ENGINEERING (24 HR) ENGINEERING (DIEM)	each bbl	\$15.00 \$15.00 \$925.00 \$30.00		455	455				18	\$540.00
DISCOUNTED OBM ENGINEERING (24 HR) ENGINEERING (DIEM)	each bbl	\$15.00 \$15.00 \$925.00 \$30.00		455	455				18	\$540.00
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES)	each bbl	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00		455	455				18 18 1000	\$540.00 \$1,000.00
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES)	each bbl	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00		455	455				18	\$540.00 \$1,000.00
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each bbl each	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00 \$2.65 \$795.00		455	455				18 18 1000	\$540.00 \$1,000.00 \$3,304.66
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min) PALLETS (ea)	each bbl each each each each	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00 \$2.65 \$795.00 \$12.00		455	455				18 18 1000	\$540.00 \$1,000.00 \$3,304.66
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each bbl each each each	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00 \$2.65 \$795.00		455	455			Ç.	18 18 1000	\$540.00

THIRD PARTY COST SHEET

Date	Operator			Well Name a	ind No.		Rig Name ar	id No.	Report No.	
07/27/20	MAG	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	2	48	Repo	rt #10
	DAILY	USAGE 8	& COST						сими	LATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	240		230	10	\$417.50		20	\$835.00
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
TORSE STIEM STROET	2011 010	ψ11.70	00		00					
ODW D	<u> </u>	A 4.00								
OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32							7200	\$9,504.00
OBM_D 7/21	gal	\$1.32							7402	\$9,770.64
DIESEL DELIVERY 7/22/20	gal	\$1.35	4500		1998	2502	\$3,377.70		5404	\$7,295.40
DIESEL DELIVERY 7/24/20	gal	\$1.35	7402		7402					
	1									
	1									
		<u> </u>			Deller C	ub Tetal A	705.00		640	10.04
					Daily S	ub-Total \$3	5,795.20		\$48,5	10.04
					- 1	İ				
	Cumi	ulative Tota	I AES & 3rd	Party \$115	,861.36					
						1				

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

DIETZ OL UNIT 3H

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4													
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427												
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427													
9,658	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	-		-	-	-	-		-	-	-	-	-	-
805	New Hole Vol.	-	472	237	-	-	11	83	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855
41	Chemical Additions		19	5	-	-	-	16	-													
861	Base Fluid Added		315	235	29	37	77	109	60													
47	Barite Increase			47	-	-	-	-	-													
923	Weighted Mud Added		468		-	-	-	-	455													
-	Slurry Added				-	-	-	-	-													
135	Water Added		5	16	-	-	20	70	24													
4	Added for Washout			4	-	-	-	-														
2.011	Total Additions	-	807	307	29	37	97	195	538	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surface Losses		31	40	-	-		18	1													
484			<u> </u>	15	-	-		150	319													
	Mud Loss to Cuttings		330	237	-	-	11	85	1													
	Unrecoverable Volume				40	-	116	-	-													
110	8		18	15	16	26	15	20	-													
		-	379	307			142		204			_			_	_	_			_		<u> </u>
1,504	Total Losses	_	3/9	307	56	26	142	273	321		-	-	-		-	_	-		-	-	-	
-	Mud Transferred Out																					
2,855	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855
36	Mud Recovered		36																			
				С	omment	s:					С	omment	s:					С	omment	s:		
		7/20/20	Skid Volur and Test.	ne 2093bbl	ls + 255bbl	s left in cas	sing. Skidd	ing/ NU	7/27/20	POOH to d	change out	BHA. TIH	and resume	drilling.		8/3/20						
	1		D 4001																			
3,271		7/21/20	Rec. 432b Evap-20.6	bls from Ne bbls, Cent-					7/28/20							8/4/20						
			35.7bbls																			
		7/22/20		Cutting 23		p 25bbls, 0	Cent 15bbls	s,Pits	7/29/20							8/5/20						
			1123/20							0/3/20												
		7/00/00	Di.a.a. C						7/00/00							0/0/00						
		1123/20	Running C	asing in the	e noie.				7/30/20							8/6/20						
		7/04/00	Taskbanla	برياء أحراء م	- DUA	4.5" DD			7/04/00							0.17100						
		1124120	Test bop's	апо ріск и	р впа апи	4.5 DP.			7/31/20							8/7/20						
		7/05/00	TIH resum	o drilling o	2 21 12 12 22	tion			8/1/20							0/0/00						
			10/1//()							8/8/20												
									0/1/20													
		7/26/20		ded, Drill or		12342' (Los	st returns).	Drillng	8/2/20							8/9/20						

110 Old Market St.

St Martinville, LA 70582

TEL: (337) 394-1078

9.1° 7,503' TVD

MAGNOLIA OIL & GAS		TERS	ON		n / Block HINGTOI	N	0	Start Date 7/10/20		383 ft			epth 12,79)6 ft	:
Well Name and No. DIETZ OL UNIT 3H	Rig Name a	248		State T I	EXAS		Spud Dat	^₀ 7/09/20		ent ROP		Activity	PO	ЭН	
Report for	Report for	al Dua	L	Field / OSC-G			Fluid Typ		Circu	lating Rate	C	Circulati	ng Pres	sure	
JIM HARRISON/JAMES DYER MUD PROPERTY SPEC	1	ol Pus	ner		DIGNS DLUME (BE) \		WBM PUMP #1		PUMP #2		DISE	ER BO	בפחר	
Weight PV YP GELS	pH	API fl	% Solids		•		Liner S		25 Lin			Liner		7031	EN
8.4-9.6 0-10 0-10 <5 <10	'	<25	2-10	In Hole			Strok				12	Strol			
MUD PROPERTIES	1	1	1•	Active			bbl/st				763	bbl/s			
Time Sample Taken	2:00		13:30	Storage			stk/m			k/min		stk/n			
Sample Location	suction		suction		cation 2898		gal/m	iin	g	al/min		gal/n	nin		
Flowline Temperature °F				Mud Wt. =	= 8.4 PV	′=1	YP=	2 C II	RCULATI	ON DATA		n = 0.	.415	K = 1	15.0
Depth (ft)	12,413'		12,796'	Bit [Depth = 7,6	89 '		Wash	out = 1%		Pump I	Efficie	ency =	95%	, o
Mud Weight (ppg)	8.4		8.4	Drill String	Volume	to Bit	87.1 k	obl Str	okes To B	it	Т	ime T	o Bit		
Funnel Vis (sec/qt) @ 80 °	27		27	Disp.	Bottoms Up	o Vol.	201.1	bbl Botto	omsUp Stk	s	Botton	nsUp T	Time		
600 rpm	4		4	64.8 bbl	TotalCirc	c.Vol.	848.2	bbl To	talCirc.Stk	s	Total	Circ.	Time		
300 rpm	3		3	<u> </u>	DRILLING	ASS	SEMBL	Y DATA		S	SOLIDS	CON	ITRO	L	
200 rpm	2		2	Tubulars	OD (in.)	ID ((in.)	Length	Тор	Unit	:	Scree	ens	Ho	urs
100 rpm	1		1	Drill Pipe	4.500	3.8	326	4,941'		Shake	r 1	17	0		
6 rpm	1		1	Agitatior	5.000	3.0	000	34'	4,941'	Shake	r 2	17	0		
3 rpm	1		1	Drill Pipe	4.500	2.5	500	2,593'	4,975'	Shake	r 3	17	0		
Plastic Viscosity (cp) @ 120 °	F 1		1	Dir. BHA	5.000	2.6	888	121'	7,568'						
Yield Point (lb/100 ft²) T0 =	1 2		2		CASIN	G & F	HOLE D	DATA							
Gel Strength (lb/100 ft²) 10 sec / 10 m	n 1/2		1/2	Casing	OD (in.)	ID ((in.)	Depth	Тор	Centrifu	ge 1				
Gel Strength (lb/100 ft2) 30 mi	n 2		2	Riser						VOLUM	ME ACC	COUN	ITING	(bbl	is)
API Filtrate / Cake Thickness	25/1		25/1	Surface	10 3/4			2,769'		Prev.	Γotal or	Loca	ation	26	636.5
HTHP Filtrate / Cake Thickness				Int. Csg.	7 5/8	6.8	375	10,239'		Transfe	erred In	(+)/O	ut(-)	4	455.0
Retort Solids Content	0.5%		0.5%	Washout 1							Oil /	Added	(+)		59.6
Retort Oil Content	1%		1%	Washout 2							Barite /	Added	(+) b		
Retort Water Content	98.5%		98.5%	Open	Hole Size	6.8	318	12,796'		Other P	roduct l	Usage	e (+)		
Sand Content	0.5%		0%	INA	NULAR GE	OME	TRY &	RHEOLO	GY	_	Water /	Added	(+) b		23.8
M.B.T. (Methylene Blue Capacity) (ppb)				annula	i dei	oth	veloc	,	ECD	Le	eft on C	utting	ıs (-)		-17.3
рН	8.4		8.4	section	n '		ft/mi	n reg	lb/gal	Pur	mped D	own I	Hole	-3	319.0
Alkalinity, Mud Pm	0.1		0.1												
Alkalinities, Filtrate Pf/Mf	0.1/0.2		0.1/0.2	6.875x4	4,9	41'		lam	8.40	Est. 7	Γotal on	Loca	ation _	28	338.6
Chlorides (mg/L)	400		500	6.875x	5 4,9	75'		lam	8.40	Est. Los	ses/Ga	ins (-)/(+)		59.2
Calcium (ppm)	40		80	6.875x4	1.5 7,5	68'		lam	8.40	BIT	HYDR	AULIC	CS DA	ATA	
Excess Lime (lb/bbl)				6.875x	5 7,6	89'		lam	8.40	Bit H.S.I.	Bit /	ΔP	Nozzle	es (32	2nds)
Average Specific Gravity of Solids	2.60	2.60	2.60										16	16	16
Percent Low Gravity Solids	0.5%		0.5%							Bit Impact Force	Nozz Veloc		16	16	16
Percent Drill Solids	0.5%		0.5%			_					(ft/se	ec)			
PPA Spurt / Total (ml) @				BIT D			- 7.	oe ULTEI							
Estimated Total LCM in System				Size	Depth In			Footage	ROP ft/h				Circ.		
Sample Taken By	A. Roman		M Washburn	6 3/4	12,413 ft	6.	.0	383 ft	63.8	2,240	psi	:	2,273	psi	

Drill 6 3/4" lateral hole section with BHA #4 from 12,413 to 12,796 using water mixed with PHPA as the primary circulating median, observe erratic Gamma Ray readings, trip for BHA inspection, initially pump and rotate out 3 stands off btm then continue to trip out of hole, fill annulus with 9.0 ppg discounted mud \$15 / bbl while tripping. No casing pressure observed prior to trip. Receiving additional 13.5# discounted \$15 / bbl OBM from Madisonville and utilizing as kill mud and blending with diesel for 9.0 volume for sweeps and fill.

10,441' TVD

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

94.0°

	NOLIA (OIL &	GAS		TERS	ON		Block			art Date 7/10/20		169 ft nt ROP			-	6 ft
Well Name and No.	TZ OL	UNIT	3H	Rig Name an	248		State TF	EXAS		Spud Date	/09/20		62 ft/hr		Activity TII	I/Dri	illing
Report for				Report for			Field / OCS-G #			Fluid Type	700/20		ating Rate		Circulatin		
JIM HAR	RISON/	JAME	S DYER	То	ol Pus	her	GID	DIGNS		V	WBM		327 gpn	n	3,	940	psi
	MUD	PROPE	RTY SPECIF	CATION	s		MUD VO	LUME (BE	BL)	PU	JMP #1		PUMP #2	2	RISE	R BO	OSTER
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits	57	1 bbl	Liner Siz	ze 5.	25 Line	er Size 5	.25	Liner S	ize	
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole	493	3 bbl	Stroke	1	2 St	roke	12	Strok	е	
			•	7/28/20		7/27/20	Active	106	64 bbl	bbl/stk	0.0	763 bb	ol/stk 0.0	0763	bbl/st	k	0.0000
Time Sample	Taken			2:00		13:30	Storage	200	00 bbl	stk/min	n () stk	r/min 1	02	stk/m	in	
Sample Locati	on			suction		suction	Tot. on Loc	cation 306	64 bbl	gal/min	1	0 ga	I/min 3	327	gal/m	in	0
Flowline Temp	erature °F	F						PHHP = 75	51	I	CIRCUL	ATION DA	ATA		n = 0.4	115 K	(= 114.973
Depth (ft)				12,796'		12,796'	Bit D	epth = 12,	,796 '		Wash	out = 1%		Pump	Efficier	ncy =	95%
Mud Weight (p	ppg)			8.4		8.4	Drill String	Volume	e to Bit	159.8 bl	bl St	rokes To Bi	t 2,094		Time To	Bit	21 min
Funnel Vis (se	c/qt)		@ 80 °F	27		27	Disp.	Bottoms U	Jp Vol.	333.2 bl	bl Botto	omsUp Stks	4,366	Botto	msUp T	ime	43 min
600 rpm				4		4	92.7 bbl	TotalCi	irc.Vol.	1063.9 b	obl To	talCirc.Stks	13,942	Tota	l Circ. T	ime	137 min
300 rpm				3		3		DRILLIN	G ASS	SEMBLY	DATA			SOLIDS	S CON	rol	-
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.)	Length	Тор	Unit	t	Scree	ns	Hours
100 rpm				1		1	Drill Pipe	4.500	3.	826 1	10,048'	0'	Shake	r 1	170		0.0
6 rpm				1		1	Agitatior	5.000	3.	000	34'	10,048'	Shake	r 2	170		0.0
3 rpm				1		1	Drill Pipe	4.500	2.	500	2,593'	10,082'	Shake	r 3	170		0.0
Plastic Viscos	ity (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.	688	121'	12,675'					
Yield Point (lb.	/100 ft²)		T0 = 1	2		2		CASIN	NG & H	HOLE DA	TA		1				
Gel Strength (lb/100 ft²)	1	0 sec/10 min	1/2		1/2	Casing	OD (in.)	ID	(in.)	Depth	Тор	Centrifu	ge 1			0.0
Gel Strength (lb/100 ft ²)		30 min	2		2	Riser						VOLUI	ME AC	COUN	ΓING	(bbls)
API Filtrate / C	Cake Thick	kness		25/1		25/1	Surface	10 3/4			2,769'	0'	Prev.	Total o	n Locat	ion	2855.3
HTHP Filtrate	/ Cake Th	nickness	@ 0 °F				Int. Csg.	7 5/8	6.	875 1	10,239'	0'	Transf	erred li	n(+)/Ou	t(-)	632.0
Retort Solids (Content			0.5%		0.5%	Washout 1							Oil	Added	(+)	119.1
Retort Oil Con	tent			1%		1%	Washout 2							Barite	Added	(+)	18.0
Retort Water (Content			98.5%		98.5%	Oper	Hole Size	6.	818 1	12,796'		Other P	roduct	Usage	(+)	0.0
Sand Content				0.5%		0%	ANI	NULAR GE	EOME.	TRY & RI	HEOLOG	SY.	1	Water	Added	(+)	0.0
M.B.T. (Methy	lene Blue	Capaci	ty) (ppb)				annular	· me	eas.	velocity	y flow	ECD	Le	eft on C	Cuttings	(-)	-16.7
рН				8.4		8.4	section		epth	ft/min	-	lb/gal	Pu	mped [Down H	ole	-263.7
Alkalinity, Muc	l Pm			0.1		0.1		I		l	I .	I	OBN	/I return	ned to V	٧H	-280.0
Alkalinities, Fil	trate Pf/M	lf		0.1/0.2		0.1/0.2	6.875x4.	5 10	,048'	296.6	turb	8.78	Est.	Total o	n Locat	ion	3063.9
Chlorides (mg.	/L)			400		500	6.875x5	5 10	,082'	359.9	turb	8.86	Est. Los	sses/G	ains (-)/		0.0
Calcium (ppm))			40		80	6.875x4.	5 10	,239'	296.6	turb	8.94	ВІТ	HYDR	AULIC	S DA	TA
Excess Lime (lb/bbl)						6.818x4.	5 12	,675'	305.4	turb	9.09	Bit H.S.I.	Bit	ΔΡ Ν	lozzle	es (32nds)
Average Spec	ific Gravity	y of Soli	ids	2.60	2.60	2.60	6.818x5	5 12	,796'	372.9	turb	9.19	0.32	60	psi	16	16 16
Percent Low C	Gravity Sol	lids		0.5%		0.5%							Bit Impact	Noz		16	16 16
Percent Drill S	Solids			0.5%		0.5%							Force	Velo (ft/s			
PPA Spurt / To	otal (ml) @	1)	@ 0 °F				BIT D	ATA	Ма	anuf./Type	e ULTE	RRA RPS 613	127 lbs	8	9		
Estimated Tot	Estimated Total LCM in System ppb						Size	Depth In	Но	ours F	ootage	ROP ft/hr	Motor/N	IWD	Calc. (Circ.	Pressure
Sample Taker	Sample Taken By					M Washburn	6 3/4	12,413 ft	10	6.0	752 ft	47.0	2,240	psi	3	,311	psi
									•								

Remarks/Recommendations:

OBM RECEIVED: 3,867bbls / OBM RETURNED: -280bbls

OBM ON SURFACe--2,000bbls (Storage)---571bbls (Active)

TOTAL OBM ON SURFACE = 2571BBLS

\$15(9#-209bbl / 13.5#-621bbl)

\$65(13.5#-489bbl / 9#-970bbl)

OBM GAIN/LOSS---(Daily -236) Total (-390bbls)

Rig Activity:

Drilled on lateral section to 12796'. MWD fail. POOH replace MWD. Replace MWD and start TIH back to bottom. While POOH Fill up on back side with 9#OBM. Discounted OBM order from WH and received 632bbl of 13.5#, Returned 280bbls of 9# (\$65) OBM to WH. Back on bottom, ream down last stand and Casing pressure up to 715psi. Pump 14.2# Kill mud on back side 136bbls (1777stks), casing press. 0. Attempted to resume drilling and MWD not working properly. Currently Troublshooting MWD.

E	ng. 1:	Mi	ke W	ashbı	urn	Er	ng. 2:	Adolf	o Roman	WH 1:	MIDLAND	WH 2	: WH #2	Rig Phone:	Daily Total	Cumulative Cost
Р	hone:	3	61-94	5-577	77	Pł	none:	956-8	321-9994	Phone:	432-686-73	61 Phone	: -			
W 1	P 1	Y 1	g 1	G 1	р 1	A 1	S 0	C 0	carefully	and may be	used if the use		in, has been prepared ntation is made as to the	\$7,571.00	\$74,922.32	
												INCL	ARTY CHARGES	\$14,322.35	\$130,183.71	

MATERIAL CONSUMPTION

Date 07/28/20	Operator MAG I	NOLIA OIL		Well Name a	ind No. TZ OL UNI T	Т 3 Н	Rig Name ar	d No. 48	Report No. Repo	rt #11
53325	l.	USAGE 8	l l							LATIVE
	- DAIL!	I	1		Clasina	Deily				
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	58		58				27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36			88					. ,
EVO-LUBE	gal	\$14.00	975		975					
NEW GEL (PREMIUM)	100# sk	\$19.75	70		70					
ALUMINUM TRISTEARATE	25# sk	\$162.83	20		20					
CACL2 (50)	50# sk	\$14.32	88		88				136	\$1,947.52
LIME (50)	50# sk	\$5.00	176		176				174	\$870.00
OPTI - G	50# sk	\$30.59	76		76				84	\$2,569.56
BENTONE 38 (50)	50# sk	\$163.94	24		24					
BENTONE 910 (50)	50# sk	\$59.40	58		58				8	
BENTONE 990 (50)	50# sk	\$83.59	36		36				10	
OPTI - MUL OPTI - WET	gal	\$10.75 \$8.34	400 550		400 550				225 165	
NEW PHALT	gal 50# sk	\$38.72	97		97				53	
OIL SORB (25)	25# sk	\$4.75	18		18				33	Ψ2,032.10
0.2 00 (20)	20.11 011	\$ 6								
NEW CARB (M)	50# sk	\$5.25			88				32	\$168.00
CYBERSEAL	25# sk	\$21.47	180		180					
MAGMAFIBER F (25)	25# sk	\$28.05	47		47				47	\$1,318.35
MAGMAFIBER R (30)	30# sk	\$28.05	78		78					
VARISEAL	50# sk	\$26.50			50					
FIBER PLUG	30# sk	\$30.37	15		15					
DYNAFIBER (M)	25# sk	\$53.67	120		120					
NEW WATE (SACK BARITE)	100# sk	\$11.50	104		104				56	\$644.00
BARITE BULK (100)	100# sk	\$7.00	1508		1250	258	\$1,806.00		878	\$6,146.00
ODTI DDILL (ODIA)		# 05.00	0.100	200	2422					* 05.050.00
OPTI DRILL (OBM)	bbl	\$65.00	2400	-280	2120				390	\$25,350.00
DISCOUNTED OBM	bbl	\$15.00	455	632	830	257	\$3,855.00		257	\$3,855.00
i										
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00		20	\$18,500.00
ENGINEERING (24 HR) ENGINEERING (DIEM)	each	\$925.00 \$30.00				2 2	\$1,850.00		20 20	
										\$600.00
ENGINEERING (DIEM)	bbl	\$30.00							20	\$600.00
ENGINEERING (DIEM)	bbl	\$30.00							20	\$600.00
ENGINEERING (DIEM) ENGINEERING (MILES)	bbl	\$30.00 \$1.00							1000	\$600.00 \$1,000.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt)	bbl	\$30.00							20	\$600.00 \$1,000.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	bbl each	\$30.00 \$1.00 \$2.65 \$795.00							1247	\$600.00 \$1,000.00 \$3,304.66
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min) PALLETS (ea)	each each each	\$30.00 \$1.00 \$2.65 \$795.00 \$12.00							1247 1247	\$600.00 \$1,000.00 \$3,304.66 \$144.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each each	\$30.00 \$1.00 \$2.65 \$795.00							1247	\$600.00 \$1,000.00 \$3,304.66

THIRD PARTY COST SHEET

Date	Operator			Well Name a	ınd No.		Rig Name an	d No.	Report No.	
07/28/20	MAGI	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	24	48	Repo	rt #11
	DAILY	USAGE 8	k COST						СПМП	ATIVE
ltem	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	230		230				20	\$835.00
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					

OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32							7200	
OBM_D 7/21	gal	\$1.32							7402	
DIESEL DELIVERY 7/22/20	gal	\$1.35	1998			1998			7402	
DIESEL DELIVERY 7/24/20	gal	\$1.35	7402		4399	3003	\$4,054.05		3003	\$4,054.05
DIESEL DELIVERY 7/27/20	gal	\$1.36		7401	7401					
					Daily S	ub-Total \$6	5,751.35		\$55,2	61.39
	-				l			1		
	Cumu	ılative Total	AES & 3rd	Party \$130	,183.71					

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

DIETZ OL UNIT 3H

					WEEK 1				I			WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4												
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796											
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796												
10.027	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	-	-	-	-	-	-	-	-	-	-	-	-
	New Hole Vol.	-	472	237	-	-	11	83	2	16	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064
	Chemical Additions	,-	19	5		-	-	16	-	-	-,	.,	-,	-,	-,	-,	-,	-,	-,	-,	-,	-,
	Base Fluid Added		315	235	29	37	77	109	60	119												
	Barite Increase		0.0	47	-	-	-	-	-	18												
	Weighted Mud Added		468		_	-	-	-	455	632												
	Slurry Added		.00		_	-	-	-	-	-												
	Water Added		5	16	-	-	20	70	24	-												
	Added for Washout			4	-	-	-	-	-	-												
	Total Additions	_	807	307	29	37	97	195	538	769	_	_	_	_	-	_	_	_	_	_	_	_
•	Surface Losses	-	31	40	-	-	31	18	1	-		-	-	-	-		-	-	-	=	_	-
	Formation Loss		31	15	<u> </u>	-		150	319	263								-				
			220	237			11		319	<u>∠63</u>								-				
	Mud Loss to Cuttings Unrecoverable Volume		330	231	40	-	116	85	· ·	-												
	Centrifuge Losses		18	15	16	26	15	20	-	-												
110	Centinuge Losses		10	10	10	20	15	20	-	-												
1,784	Total Losses	-	379	307	56	26	142	273	321	280	-	-	-	-	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
3,064	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064
36	Mud Recovered		36																			
				С	omment	s:					С	omment	s:					C	omment	s:		
						.						011111101110	<u>. </u>						011111101110	<u>. </u>		
		7/20/20	Skid Volur and Test.	ne 2093bbl	s + 255bbl:	s left in cas	sing. Skidd	ling/ NU	7/27/20	POOH to d	hange out	BHA. TIH	and resum	e drilling.		8/3/20						
0.000				bls from Ne						POOH to d	hange out	MWD, Bac	k on botton	n MWD not	working	014/00						
3,623		7/21/20	35.7bbls	bbls, Cent-	1800IS, PIT	S-1UDDIS////	// Recovere	ea				oot same at				8/4/20						
		7/22/20		o Cutting 23 d Seepage		p 25bbls, (Cent 15bbls	s,Pits	7/29/20							8/5/20						
	7/23/20 Running Casing in the hole.																					
		7/23/20	Running C	asing in the	hole.				7/30/20							8/6/20						
		7/24/20	Test bop's	and pick u	p BHA and	4.5" DP.			7/31/20							8/7/20						
			8/1/20							8/8/20												
		7/26/20		ded, Drill on	12342' (Los	st returns).	Drillng	8/2/20							8/9/20							

110 Old Market St. St Martinville, LA 70582

2,706' TVD 13.9°

Operator				Contractor			County / Parisl	h / Block		Engine	er Start Date	2	24 hr ft	g.	I	Drilled	Depth		
MAGNOLIA OIL & GAS PATTERSON							WASHINGTON			07/10/20						12,805 ft			
Well Name and No.			_	Rig Name ar			State			· ·	·			ROP		Activity			
DIE [*]	TZ OL U	JNIT 3F	<u> </u>	Report for	248		TEXAS Field / OSC-G # F			07/09/20 Fluid Type Circ			Circulat	rculating Rate		Circula	PO(
JIM HARRISON/JAMES DYER Tool Pusher								GIDDIGNS			WBM		Sirodia	ang rate		Oiroula	ang r rec	Juic	
MUD PROPERTY SPECIFICATIONS							MUD VO	DLUME (BI	3L)		PUMP #1			PUMP #2		RIS	ER BO	oos	ΓER
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits	571	bbl	Liner	Size 5.	.25	Liner	Size 5.	25	Liner	Size		
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole	e 548	B bbl	Stro	ke 1	12	Stro	oke 1	2	Stroke			
<u>'</u>	MU	D PROP	ERTIES				Active	622	2 bbl	bbl/	stk 0.0	763	bbl/	/stk 0.0	763	B bbl/stk			
Time Sample	Гакеп			2:00		13:30	Storage	e <u>200</u>	0 bbl	stk/ı	min		stk/	min		stk/min			
Sample Locati	on			suction		suction	Tot. on Loc	cation 311	9 bbl	gal/ı	min		gal/	min		gal/	min		
Flowline Temp	erature °F						Mud Wt. =	= 8.4 P\	/=1	YP	=2 CI	RCUL	OITA	N DATA		n = 0	.415	K = 1	115.0
Depth (ft)				12,796'		12,805'	Bit	Depth = 1	11 '		Wash	out = '	1%	F	Pump	Effici	ency =	95%	6
Mud Weight (p	pg)			8.4		8.4	Drill String	Volume	to Bit	-20.6	6 bbl St	rokes T	o Bit		-	Time ⁻	Γο Bit		
Funnel Vis (se	c/qt)		@ 90 °F	27		27	Disp.	Bottoms U	p Vol.	71.4	bbl Bott	omsUp	Stks		Bottor	msUp	Time		
600 rpm				4		4	37.9 bbl TotalCirc.Vol. 621.8 bbl TotalC				otalCirc.	Stks							
300 rpm				3		3	DRILLING ASSEMBLY DATA					S	OLIDS	s co	NTRO	L			
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.)	Length	То	р	Unit		Scre	ens	Но	urs
100 rpm				1		1	Drill Pipe	4.500	3.8	326	-2,637'			Shaker	1	17	70		
6 rpm				1		1	Agitatior	5.000	3.0	000	34'	-2,6	37'	Shaker	2	17	70		
3 rpm				1		1	Drill Pipe	4.500	2.5	500	2,593'	-2,60	03'	Shaker	3	17	70		
Plastic Viscosi	ty (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.6	688	121'	-10)'						
Yield Point (lb/	′100 ft²)		T0 = 1	2		2		CASIN	IG & I	HOLE	DATA								
Gel Strength (lb/100 ft²) 10 sec / 10 mir				1/2		1/2	Casing	OD (in.)	ID	(in.)	Depth	То	р	Centrifug	je 1				
Gel Strength (lb/100 ft2) 30 min				2		2	Riser						•	VOLUM	IE AC	cou	NTING	(bb	is)
API Filtrate / Cake Thickness				25/1		25/1	Surface	10 3/4			2,769'			Prev. T	otal o	n Loc	ation	30	063.9
HTHP Filtrate	/ Cake Thi	ckness					Int. Csg.	7 5/8	6.8	375	10,239'			Transfe	rred lı	n(+)/C	Out(-)		
Retort Solids 0	Content			0.5%		0.5%	Washout 1 Oil Added (+)												
Retort Oil Con	tent			1%		1%	Washout 2								Barite	Adde	d (+)		
Retort Water 0	Content			98.5%		98.5%	Open	Hole Size	6.8	318	12,805'			Other Pr	oduct	Usag	e (+)		
Sand Content				0.5%		0%	AN	NULAR GE	ОМЕ	TRY 8	& RHEOLO	OGY		١	Vater	Adde	d (+)		
M.B.T. (Methy	lene Blue	Capacity) (ppb)				annula	ar do	pth	velo	city flow	EC	D	Let	ft on C	Cutting	gs (-)		
рН				8.4		8.4	section	n de	piii	ft/m	nin reg	lb/g	al	Pun	nped [Down	Hole		
Alkalinity, Mud	Pm			0.1		0.1		•			•	•		OBM	returr	ned to	WH		
Alkalinities, Fil	trate Pf/M	f		0.1/0.2		0.1/0.2	6.875x	:5 3	4'		lam	8.4	0	Est. T	otal o	n Loc	ation	30	063.9
Chlorides (mg/	′L)			400		500	6.875x4	1.5 2,6	828'		lam	8.4	0	Est. Loss	ses/Ga	ains (-)/(+)		55.2
Calcium (ppm))			40		80	6.875x	5 2,7	7 48'		lam	8.4	.0	BIT	HYDR	AULI	CS DA	ATA	
Excess Lime (lb/bbl)													Bit H.S.I.	Bit	ΔΡ	Nozzl	es (32	2nds)
Average Spec	ific Gravity	of Solid	S	2.60	2.60	2.60											16	16	16
Percent Low G	Gravity Sol	ids		0.5%		0.5%								Bit Impact	Noz Velo		16	16	16
Percent Drill S	olids			0.5%		0.5%								Force	(ft/s	•			
PPA Spurt / To	otal (ml) @	2					BIT [DATA	Ма	nuf./Ty	ype ULTE	RRA RP	S 613						
Estimated Total	al LCM in	System					Size	Depth In	Но	ours	Footage	ROP	ft/hr	Motor/M\	WD	Calc	. Circ.	Pres	sure
Sample Taken	Ву			A. Roman		M Washburn	6 3/4	12,413 ft	18	3.0	761 ft	42.	.3	2,240 p	osi		2,252	psi	
Afternoon Rema	arks/Recon	nmendatio	ons:				shoo 1230 calcu then mud bbls	with BHA of MWD, poor, start triculated pipe switch to used during	ull ou pping e disp filling ng trip litiona	t of ho y out o placem with so p to fil	ole to insport to the filling of the	nect Bl ng cas 15.0# I casing s \$15/b	HA. Ving of kill morest discount of the contraction	not working Wash and down back and until income was incounted and Madison was and madison was and madison was and madison was and madison was and madison was and madison was and madison was and madison was and madison was and madison was and madison was and was	backı side v side i obser volun	ream with r nterm ved one. R	from ig pun nediate during eceivi	1280 nps a e cas trip. ng 2	at sing . All 231

OUTSOURCE FLUID SOLUTIONS LLC.

12.3° 5,855' TVD

Operator MAGI	NOI IA	OIL & G	as	Contractor	TERS	ON.	County / Parish /	Block	N	Engineer Start I	Date 0/20	24 hr	ftg. 25 ft	[Drilled De	-	1 ft
Well Name and No.				Rig Name an	d No.		State			Spud Date		Curre	nt ROP	,	Activity		
DIE Report for	TZ OL	UNIT 3I	H	Report for	248		TI Field / OCS-G #	EXAS		07/0 Fluid Type	9/20	Circul	8 ft/hr			POC	
JIM HAR	RISON/	JAMES	DYER		ol Pus	her	GIDDIGNS			WBM			0 gpm		Circulating Pressure psi		
	CATION	 S		MUD VOLUME (BBL)			PUMP #1			PUMP #2		RISER BOOSTER		OSTER			
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits	40	2 bbl	Liner Size	5.25	Line	er Size 5.	.25	Liner S	ize	
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole	53	1 bbl	Stroke	12	Sti	roke 1	12	Strok	е	
			l .	7/29/20		7/28/20	Active	62	2 bbl	bbl/stk	0.076	3 bb	ol/stk 0.0	763	bbl/s	k	0.0000
Time Sample	Time Sample Taken			2:00		13:30	Storage	e <u>227</u>	7 bbl	stk/min	0	stk	r/min	0	stk/m	in	
Sample Locati	on			suction		suction	Tot. on Location 32		0 bbl	gal/min	0	ga	l/min	0	gal/m	in	0
Flowline Temp	erature °F	F						PHHP = 0	1	C	IRCULA	TION DA	ATA	l	n = 0.4	15 k	(= 114.973
Depth (ft)				12,821'		12,805'	Bit	Depth = 6,0	000 '		Washou	ıt = 1%		Pump	Efficie	ıcy =	95%
Mud Weight (p	pg)			8.4		8.4	Drill String	Volume	e to Bit	63.1 bbl	Strol	es To Bi	t	7	Time To	Bit	
Funnel Vis (se	c/qt)		@ 90 °F	27		27	Disp.	Bottoms U	156.7 bbl	Bottom	s BottomsUp Time			me			
600 rpm				4		4	55.6 bbl	TotalCi	rc.Vol.	621.9 bbl	Tota	Circ.Stks	5	Total	al Circ. Time		
300 rpm				3		3		DRILLIN	G ASS	SEMBLY DA	ATA		S	OLIDS	CON	rol	-
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.) Le	ngth	Тор	Unit		Scree	ns	Hours
100 rpm				1		1	Drill Pipe	4.500	3.	.826 3,	252'	0'	Shake	r 1	170		
6 rpm				1		1	Agitatior	5.000	3.	.000	34'	3,252'	Shake	r 2	170		
3 rpm				1		1	Drill Pipe	4.500	2.	500 2,	593'	3,286'	Shake	r 3	170		
Plastic Viscosi	ty (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.	688 1	21'	5,879'					
Yield Point (lb/	'100 ft²)		T0 = 1	2		2		CASI	NG & I	HOLE DATA	4						
Gel Strength (b/100 ft ²)	10	sec/10 min	1/2		1/2	Casing	OD (in.)	ID	(in.) De	epth	Тор	Centrifuç	ge 1			
Gel Strength (b/100 ft ²)		30 min	2		2	Riser						VOLUN	IE AC	COUN	ING	(bbls)
API Filtrate / C	ake Thick	kness		25/1		25/1	Surface	10 3/4		2,	769'	0'	Prev. 7	Γotal or	n Loca	ion	3063.9
HTHP Filtrate	/ Cake Th	nickness	@ 0 °F				Int. Csg.	7 5/8	6.	875 10	,239'	0'	Transfe	erred Ir	า(+)/Oเ	t(-)	231.0
Retort Solids (Content			0.5%		0.5%	Washout 1							Oil	Added	(+)	107.7
Retort Oil Con	tent			1%		1%	Washout 2							Barite	Added	(+)	17.4
Retort Water (Content			98.5%		98.5%	Oper	n Hole Size	6.	818 12	,821'		Other P	roduct	Usage	(+)	0.0
Sand Content				0.5%		0%	AN	NULAR GI	EOME	TRY & RHE	OLOGY	•	,	Water	Added	(+)	
M.B.T. (Methy	lene Blue	Capacity)	(ppb)				annula		eas.	velocity	flow	ECD	Le	eft on C	Cuttings	(-)	-1.1
рН				8.4		8.4	section	ı de	epth	ft/min	reg	lb/gal	Pur	mped D	Down H	ole	-208.8
Alkalinity, Mud	Pm			0.1		0.1							OBM	1 return	ned to \	۷H	
Alkalinities, Fil	trate Pf/M	1f		0.1/0.2		0.1/0.2	6.875x4	.5 3,	252'	0.0	lam	8.40	Est. 1	Γotal or	n Loca	ion _	3210.1
Chlorides (mg/	L)			400		500	6.875x	5 3,	286'	0.0	lam	8.40	Est. Los	ses/Ga	ains (-)	(+)	0.0
Calcium (ppm)	l			40		80	6.875x4	.5 5,	879'	0.0	lam	8.40	BIT	HYDR	AULIC	S DA	ΛTA
Excess Lime (lb/bbl)						6.875x	5 6,	000'	0.0	lam	8.40	Bit H.S.I.	Bit A	ΔP	lozzle	es (32nds)
Average Spec	ific Gravit	y of Solids	3	2.60	2.60	2.60							0.00	р	si	16	16 16
Percent Low G	Gravity So	lids		0.5%		0.5%							Bit Impact	Noz Velo		16	16 16
Percent Drill S	olids			0.5%		0.5%							Force	(ft/se	•		
PPA Spurt / To	otal (ml) @	20	@ 0 °F				BIT D	ı	-	anuf./Type		A RPS 613		0)		
Estimated Total	al LCM in	System	ppb				Size	Depth In			otage F	ROP ft/hr			Calc.	Circ.	Pressure
Sample Taker	Ву			A. Roman		M Washburn	6 3/4	12,413 ft	1	9.0 78	36 ft	41.4	2,240	psi			
Remarks/Reco	mmendatio	ons:					Rig Activity:										

OBM RECEIVED:4,098bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--2,277bbls (Storage)---402bbls (Active)

TOTAL OBM ON SURFACE = 2679BBLS

\$15 (9#-347bbl / 13.5#-591bbl)

9#-970bbl / 13.5# 485bbl)

OBM GAIN/LOSS---(Daily -209) Total (-835bbls)

Rig Activity:

\$65(

POOH to replace MWD, and TIH back to bottom. Ream down last stand and resume drilling / sliding on lateral section. While sliding on lateral section passing 12,821'. Stand pipe pressure spike up to 6800psi. Bleed off pressure, attempt to pump down hole with unsuccesfull results. Troubleshoot Mud Pumps and all surface lines and equipment all good. Instructions to POOH and change out Mud motor and Bit. While POOH up to the shoe Pump 15# Kill mud on back side 70bbls, use 9# discounted mud to fill up back side while POOH inside casing. Currently POOH passing 5590'.

Er	ng. 1:	Mi	ke W	ashb	urn	Er	ng. 2:	Adolfo	Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Pl	none:	3	61-94	5-57	77	Pł	none:	956-8	21-9994	Phone:	432-686-7361	Phone:	-			
W 1	P 1	Y 1	g 1	G 1	р 1	A 1	S 0	C 0	carefully	and may be	used if the user		r, no representat	has been prepared on is made as to the	\$5,670.00	\$80,592.32
												INCLUD	ING 3RD PAR	TY CHARGES	\$11,778.65	\$141,962.36

MATERIAL CONSUMPTION

Date 07/29/20	Operator MAG I	NOLIA OIL		Well Name a	na No. <mark>TZ OL UNIT</mark>	3Н	Rig Name ar	10 No. 48	Report No. Report #12		
	l .	USAGE 8					•			LATIVE	
W			Previous	D i d	Closing	Daily	D-11- 01		Cum		
Item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cost	
SAPP (50)	50# sk	\$44.56			58				27	\$1,203.12	
PHPA LIQUID (pail)	5 gal	\$41.36			88			-			
EVO-LUBE NEW GEL (PREMIUM)	gal	\$14.00			975 70						
ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75 \$162.83	70 20		20			-			
ALUMINUM TRISTEARATE	25# SK	\$102.03	20		20			-			
								-			
								-			
CACL2 (50)	50# sk	\$14.32	88		88				136	\$1,947.52	
LIME (50)	50# sk	\$5.00	176		176				174	\$870.00	
OPTI - G	50# sk	\$30.59	76		76				84	\$2,569.56	
BENTONE 38 (50)	50# sk	\$163.94	24		24						
BENTONE 910 (50)	50# sk	\$59.40	58		58				8	\$475.20	
BENTONE 990 (50)	50# sk	\$83.59	36		36				10	\$835.90	
OPTI - MUL	gal	\$10.75	400		400				225	\$2,418.75	
OPTI - WET	gal	\$8.34	550		550				165	\$1,376.10	
NEW PHALT	50# sk	\$38.72	97		97				53	\$2,052.10	
OIL SORB (25)	25# sk	\$4.75	18		18			1			
								 			
								-			
NEW CARB (M)	50# sk	\$5.25	88		88]	32	\$168.00	
CYBERSEAL	25# sk	\$21.47	180		180						
MAGMAFIBER F (25)	25# sk	\$28.05	47		47]	47	\$1,318.3	
MAGMAFIBER R (30)	30# sk	\$28.05	78		78]			
VARISEAL	50# sk	\$26.50	50		50]			
FIBER PLUG	30# sk	\$30.37	15		15]			
DYNAFIBER (M)	25# sk	\$53.67	120		120]			
]			
								}			
						-		-			
NEW WATE (SACK BARITE)	100# sk	\$11.50			104				56		
BARITE BULK (100)	100# sk	\$7.00	1250		1000	250	\$1,750.00]	1128	\$7,896.00	
]			
									<u> </u>		
								-			
								<u> </u>			
								1			
								-			
OPTI DRILL (OBM)	bbl	\$65.00	2120		2120]	390	\$25,350.00	
DISCOUNTED OBM	bbl	\$15.00	830	231	927	134	\$2,010.00	-	391	\$5,865.00	
								 			
								<u> </u>			
								-			
								-			
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00		22	\$20,350.0	
ENGINEERING (DIEM)	bbl	\$30.00				2		-1	22		
ENGINEERING (MILES)	each	\$1.00					255.00	1	1000		
								<u> </u>		•	
	aaah	\$2.65	I					1	1247	\$3,304.66	
, ,	each								1241		
TRUCKING (min)	each	\$795.00						<u> </u>		\$144.00	
TRUCKING (cwt) TRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)									12	\$144.00 \$144.00	

THIRD PARTY COST SHEET

Date	Operator			Well Name a	ind No.		Rig Name ar	ame and No. Report No.		
07/29/20	MAGI	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	2	248 Report #12		
	DAILY	USAGE 8	k COST						СПМП	LATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	230		230				20	\$835.00
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
		•								
OBM D	gal	\$1.36								
		·								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32							7200	\$9,504.00
OBM_D 7/21	gal	\$1.32							7402	\$9,770.64
DIESEL DELIVERY 7/22/20	gal	\$1.35							7402	\$9,992.70
DIESEL DELIVERY 7/24/20	gal	\$1.35	4399			4399	\$5,938.65		7402	\$9,992.70
DIESEL DELIVERY 7/27/20	gal	\$1.36	7401		7276	125	\$170.00		125	\$170.00
DIESEL DELIVERY 7/28/20	gal	\$1.40		7200	7200					
							1			
							1			
							1			
							<u> </u>			
					Daily S	ub-Total \$6	6,108.65		\$61,3	70.04
								ı		
	2	ilativa Tata	AEC 0 21	Darty #4/4	063.36					
	Cumi	ılative Total	AES & 3rd	ranty \$141	,90∠.30					

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4											
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821										
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821											
10,052	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	-	-	-	-	-	-	-	-	-	-	-
822	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	-	-	_	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210
41	Chemical Additions	,	19	5	_	-	_	16	-	-	-,	-,	-, -	-, -	-, -	-, -	-, -	-, -	-,	-, -	-, -	-, -
	Base Fluid Added		315	235	29	37	77	109	60	119	108											
,	Barite Increase			47	-	-	-	-	-	18	17											
1,786	Weighted Mud Added		468		-	-	-	-	455	632	231											
	Slurry Added				-	-	-	-	-	-	-											
135	Water Added		5	16	-	-	20	70	24	-	-											
4	Added for Washout			4	-	-	-	-	-	-	-											
3,136	Total Additions	-	807	307	29	37	97	195	538	769	356	-	-	-	-	-	-	-	-	-	-	
,	Surface Losses		31	40	-	-		18	1	-	_											
956				15	-	-		150	319	263	209											
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1											
156	Unrecoverable Volume				40	-	116	-	-	-	-											
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-											
1.994	Total Losses		379	207	FC	200	4.40	070	204	200	240											
,		-	3/9	307	56	26	142	273	321	280	210	-	-	_	-	_	-	•	-	-	_	-
280										280												
3,210	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210
36	Mud Recovered		36																			
				С	omments	s <i>:</i>					С	omment	s:					С	omment	s:		
			Skid Volun	ne 2093bbl	s + 255bbls	s left in cas	ina. Skiddi	na/ NU														
		7/20/20	and Test.				3	5	7/27/20	POOH to d	hange out	BHA. IIH	and resume	e drilling.		8/3/20						
	1		Rec. 432b	bls from Ne	wpark. Mu	ıd lost to C	utting-330.4	1bbls.														
3,854		7/21/20	Evap-20.6 35.7bbls						7/28/20				k on botton t time of rep		t working	8/4/20						
			Mud lost to	Cutting 23	7hhls Fva	n 25hhls (ent 15hhls	Pits		TIH hack to	n hottom r	esume drilli	ing, pressu	re snike un	POOH to							
		7/22/20 Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbl: 10bbls and Seepage 15.4						,	7/29/20	change out			g, p. 000u	o opino up		8/5/20						
		7/23/20 Running Casing in the hole.							7/30/20							8/6/20						
		7/24/20 Test bop's and pick up BHA and 4.5" DP.							7/31/20							8/7/20						
		7/25/20	TIH resum	e drilling or	n curve sec	tion.			8/1/20							8/8/20						
		7/26/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.														8/9/20						
									I							1						

110 Old Market St. St Martinville, LA 70582

TEL: (337) 394-1078

14.4° 5,541' TVD

	OLIA C	OIL & G	AS		TERSO	ON		HINGTO	N	(07/10/20)	or ftg.			12,82	1 ft	
Well Name and No.	ΓΖ OL (JNIT 3H	1	Rig Name an	d No. 248		State T	EXAS		Spud Da	^{ate} 07/09/20		rent ROP		Activity	TIH	1	
Report for	NCON/	LAMEC	DVED	Report for	al Dual		Field / OSC-G			Fluid Ty	•	Circ	ulating Rate		Circula	iting Press	sure	
JIM HARF					ol Pus	ner		DIGNS	DI.\		WBM PUMP #1		PUMP #2		DIC	ER BO		
\Maight	PV	YP	GELS	pH	API fl	% Solids		DLUME (B	BL) 2 bbl	Liner		-		.25		r Size	051	EK
Weight 8.4-9.6	0-10	0-10	<5 <10	ρπ 8.4-9	<25	2-10	In Hole		3 bbl	Stro				.25		oke		
0.4-9.0		JD PROP	<u> </u>	0.4-9	~23	2-10	Active		bbl 6	bbl/s				763		/stk		
Time Sample		JD FROF	LKIILS	2:00		13:30	Storag		7 bbl	stk/r			tk/min	7703		/min		
Sample Locati				suction		suction	ا	cation 321		gal/r			al/min			/min		
Flowline Temp		=		odotion		Guotion	Mud Wt.		/=1	YP:			ION DATA		_).415 k	ζ = 1	15.0
Depth (ft)				12,821'		12,821'		Depth = 5,0				nout = 1%	1	Pump		ency =		
Mud Weight (p	pa)			8.4		8.4		Volume		58.5		rokes To E		1		To Bit		
Funnel Vis (se	-		@ 90 °F	27		27	Drill String Disp.	Bottoms U				omsUp Stl	(S	Botto	msUp	Time		
600 rpm	4-7			4		4	53.9 bbl	TotalCi	•			otalCirc.Stl			·	Time		
300 rpm				3		3					LY DATA		s			NTROL		
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.)	Length	Тор	Unit	:	Scre	eens	Hou	urs
100 rpm				1		1	Drill Pipe	4.500	3.8	826	2,929'		Shake	r 1	1	70		
6 rpm				1		1	Agitatior	5.000	3.0	000	34'	2,929'	Shake	r 2	1	70		
3 rpm				1		1	Drill Pipe	4.500	2.5	500	2,593'	2,963'	Shake	r 3	1	70		
Plastic Viscos	ty (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.6	888	121'	5,556'						
Yield Point (lb.	100 ft²)		T0 = 1	2		2		CASI	IG &	HOLE	DATA							
Gel Strength (b/100 ft²)	10 s	ec / 10 min	1/2		1/2	Casing	OD (in.)	ID	(in.)	Depth	Тор	Centrifu	ge 1				
Gel Strength (b/100 ft2))	30 min	2		2	Riser						VOLUM	ME AC	cou	NTING	(bbl	s)
API Filtrate / C	ake Thick	kness		25/1		25/1	Surface	10 3/4			2,769'		Prev. 7	Γotal o	n Loc	ation	32	210.
HTHP Filtrate	/ Cake Th	ickness					Int. Csg.	7 5/8	6.8	875	10,239'		Transfe	erred I	n(+)/0	Out(-)		
Retort Solids (Content			0.5%		0.5%	Washout 1							Oil	Adde	ed (+)		
Retort Oil Con	tent			1%		1%	Washout 2							Barite	Adde	ed (+)		
Retort Water (Content			98.5%		98.5%	Oper	Hole Size	6.8	818	12,821'		Other Pi	roduct	Usag	ge (+)		
Sand Content				0.5%		0%	AN	NULAR GI	OME	TRY 8	RHEOL	OGY	,	Water	Adde	ed (+)		
M.B.T. (Methy	ene Blue	Capacity) (ppb)				annula	i de	pth	velo	-		Le	eft on (Cuttin	gs (-)		
рН				8.4		8.4	sectio	n		ft/m	nin reg	lb/gal	Pur	mped I	Down	Hole		
Alkalinity, Muc	Pm			0.1		0.1							OBM	1 retur	ned to	o WH		
Alkalinities, Fil	trate Pf/N	1f		0.1/0.2		0.1/0.2	6.875x4	,	929'		lam	8.40		Γotal o		_	32	210.
Chlorides (mg	•			400		500	6.875>	,	963'		lam		Est. Los					1.8
Calcium (ppm)				40		80	6.875x4		556'		lam			1		ICS DA		
Excess Lime (2.22			6.875>	¢5 5,€	677'		lam	8.40	Bit H.S.I.	Bit	ΔΡ	Nozzle	· I	
Average Spec		•	S	2.60	2.60	2.60								No	zzle		16	16
Percent Low G		IIGS		0.5%		0.5%							Bit Impact Force	Velo	ocity	16	16	16
Percent Drill S PPA Spurt / To				0.5%		0.5%	RIT I	DATA	Ma	nuf /Tv	/pe HALI	IB GTD64	M	(it/s	sec)		-	
Estimated Total	. ,						Size	Depth In		ours	Footage			IWD	Calc	. Circ. I	Pres	Sure
Sample Taker		2,000111		A. Roman		M Washburn	6 3/4	12,821 ft	. 10		. 221490	#DIV/0			Jaic	2,264		
Afternoon Rema		mmendatic	ons:				Afternoon F		<u> </u>	ļ		1				_,,		
							Pull be s new outp and MW	out of hole everly dar motor, bit ut was no gravel froi	naged , and t corre n wat test	d, shea install ect. In ter we	ared, twis MWD. T spect pur Il was blo	sted and rip in hol mps and ocking pu	y down moto bent, lay out e, perform s empty wate mp screens tatic during	t restr shallov r from , clea	ictor w MV suct n out	sub. Pi VD test ion tan and pe	ick u i, pu ik, sa erfor	ip mp and m

10,417' TVD

OUTSOURCE FLUID SOLUTIONS LLC.

95.4°

Operator MAGI Well Name and No.	NOLIA (OIL &	GAS	Contractor PAT Rig Name an	TERS(ON	County / Parish / WASH	Block	N	Engineer Star 07/ Spud Date	t Date	24 hr f	523 ft		rilled Depth	344 1	ft
	TZ OL	UNIT:	3H	3	248			EXAS			09/20		65 ft/hr		Drilling	g La	teral
Report for				Report for			Field / OCS-G #			Fluid Type			ating Rate		irculating P		
JIM HAR				_	ol Pus	her		DIGNS		-	/BM		337 gpn		4,17	-	
			RTY SPECIF	1		T		LUME (BE			MP #1		PUMP #2		RISER		TER
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits		4 bbl	Liner Size					Liner Size	•	
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole		5 bbl	Stroke	1:			12	Stroke		
				7/30/20		7/29/20	Active	109	99 bbl	bbl/stk	0.07	763 bb	l/stk 0.0	0763	bbl/stk	0.0	0000
Time Sample	Taken			2:00		13:30	Storage	<u>201</u>	16 bbl	stk/min	C	stk	/min 1	05	stk/min		
Sample Locati	on			suction		suction	Tot. on Loc	cation 311	15 bbl	gal/min	C	gal	/min 3	37	gal/min		0
Flowline Temp	erature °F	F						PHHP = 82	20	(CIRCUL	ATION DA	ATA	r	n = 0.415	K = 1	14.973
Depth (ft)				13,165'		12,821'	Bit D	epth = 13	,344 '		Wash	out = 1%		Pump E	fficiency	' = 95'	%
Mud Weight (p	ppg)			8.4		8.4	Drill String	Volume	e to Bit	167.6 bb	l Str	okes To Bit	2,196	Т	ime To B	t 21	min
Funnel Vis (se	c/qt)		@ 90 °F	27		27	Disp.	Bottoms U	Jp Vol.	347.1 bb	Botto	msUp Stks	4,549	Bottom	sUp Tim	e 43	3 min
600 rpm				4		4	95.6 bbl	TotalC	irc.Vol.	1098.7 bl	ol To	alCirc.Stks	14,398	Total	Circ. Time	9 13	7 min
300 rpm				3		3		DRILLIN	G ASS	SEMBLY D	ATA		S	OLIDS	CONTR	OL	
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.) L	ength	Тор	Unit		Screens	Н	ours
100 rpm				1		1	Drill Pipe	4.500	3.	826 1	0,596'	0'	Shake	r 1	170		
6 rpm				1		1	Agitatior	5.000	3.	000	35'	10,596'	Shake	r 2	170		
3 rpm				1		1	Drill Pipe	4.500	2.	500 2	2,593'	10,631'	Shake	r 3	170		
Plastic Viscosi	ity (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.	688	120'	13,224'					
Yield Point (lb/	/100 ft²)		T0 = 1	2		2		CASII	NG & I	HOLE DAT	Α						
Gel Strength (lb/100 ft²)	1	0 sec/10 min	1/2		1/2	Casing	OD (in.)	ID	(in.) [Depth	Тор	Centrifu	ge 1			
Gel Strength (lb/100 ft ²)		30 min	2		2	Riser						VOLUN	/IE ACC	OUNTIN	IG (bl	ols)
API Filtrate / C	ake Thick	kness		25/1		25/1	Surface	10 3/4		2	2,769'	0'	Prev.	Total on	Location	ո 3	3210.1
HTHP Filtrate	/ Cake Th	nickness	@ 0 °F				Int. Csg.	7 5/8	6.	875 1	0,239'	0'	Transfe	erred In	(+)/Out(-)	
Retort Solids (Content			0.5%		0.5%	Washout 1							Oil A	Added (+)	10.9
Retort Oil Con	tent			1%		1%	Washout 2							Barite A	Added (+)	13.9
Retort Water (Content			98.5%		98.5%	Open	Hole Size	6.	818 1	3,344'		Other P	roduct L	Jsage (+)	0.0
Sand Content				0.5%		0%	ANI	NULAR GI	EOME	TRY & RH	EOLOG	Υ		Water A	Added (+)	
M.B.T. (Methy	lene Blue	Capacit	y) (ppb)				annular	· m	eas.	velocity	flow	ECD	Le	eft on C	uttings (-)	0.0
pН				8.4		8.4	section		epth	ft/min	reg	lb/gal	Pur	mped D	own Hole	9	-120.2
Alkalinity, Mud	l Pm			0.1		0.1		l		l							
Alkalinities, Fil	trate Pf/M	lf		0.1/0.2		0.1/0.2	6.875x4.	5 10	,239'	305.3	turb	8.80	Est.	Γotal on	Location	ո 3	3114.7
Chlorides (mg/	/L)			400		500	6.818x4.	5 10	,596'	314.4	turb	8.88	Est. Los	sses/Ga	ins (-)/(+		0.0
Calcium (ppm))			40		80	6.818x5	5 10	,631'	383.9	turb	8.96	BIT	HYDRA	AULICS	DATA	
Excess Lime (lb/bbl)						6.818x4.	5 13	,224'	314.4	turb	9.14	Bit H.S.I.	Bit ∆	P Noz	zles (32nds)
Average Spec	•	y of Soli	ds	2.60	2.60	2.60	6.818x5	5 13	,344'	383.9	turb	9.25	0.35	63 p	osi 16	16	16
Percent Low G	•			0.5%		0.5%							Rit Import	Nozz		-	+
Percent Drill S				0.5%		0.5%							Bit Impact Force	Veloc (ft/se	ity		+
PPA Spurt / To		D	@ 0 °F				BIT D	ATA	Ma	anuf./Type	HALL	B GTD64M	134 lbs	92	· —	-	+
Estimated Total							Size	Depth In		<u> </u>	ootage	ROP ft/hr	Motor/M	1	Lalc. Cir	c. Pre	ssure
Sample Taken		. , =	F P ~	A. Roman		M Washburn	6 3/4	12,821 ft			523 ft	65.4	2,240			94 ps	
	-,					I	Dia Activity	,==: 10	<u> </u>	_ `		·			5,5	۲,	

Remarks/Recommendations:

OBM RECEIVED:4,098bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--2,016bbls (Storage)---584bbls (Active)

TOTAL OBM ON SURFACE = 2600BBLS

\$15 (9#-260bbl / 13.5#-501bbl) 9#-970bbl / 13.5# 485bbl)

OBM GAIN/LOSS---(Daily -102) Total (-937bbls) Rig Activity:

\$65(

POOH to replace Directional tools. Lay down Agitator and Mud Motor, Pick up and make up new BHA. TIH back to bottom. Pump 50bbls of Kill mud on back side while reaching Casing shoe depth. Continue to TIH, Ream down last stand and re-take last survey and resume drilling / sliding on lateral section. Using Fresh water water as the primary circulating median, Additions of Evo-Lube to water for lubricity; OBM for sweeps (1.5#over W/ 2ppb of First-Response). Maintain 14.5ppg Kill mud in designated active pits, to pump on back side if necessary. At time of report, Continue drilling ahead pasing 13364'.

Eı	ng. 1:	Mi	ke W	ashb	urn	Er	ng. 2:	Adolfo	Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Pł	none:	36	61-94	5-57	77	Ph	none:	956-8	21-9994	Phone:	432-686-7361	Phone:	-			
W 1	P 1	Y 1	g 1	G 1	р 1	A 1	S 0	C 0	carefully	and may be	ecommendation, ex used if the user so ation, and this is a	elects, however	, no representati	nas been prepared on is made as to the	\$6,575.55	\$87,167.87
												INCLUDI	NG 3RD PAR	TY CHARGES	\$7,376.57	\$149,338.93

Date 07/30/20	Operator MAGI	NOLIA OIL		Well Name a	TZ OL UNIT	З Н	Rig Name an	48	Report No. Repo	rt #13
	DAILY	USAGE 8	& COST						CUMU	LATIVE
lt	11-24	11-11-01	Previous	Barahard	Closing	Daily	Daily Cost		Cum	0
ltem	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost	_	Usage	Cum Cos
SAPP (50)	50# sk	\$44.56			58			_	27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36			88					
EVO-LUBE	gal	\$14.00			800 70	1/5	\$2,450.00		175	\$2,450.00
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75 \$162.83	70 20		20			-		
ALUMINUM TRISTEARATE	25# SK	\$102.03	20		20					
CACL2 (50)	50# sk	\$14.32	88		88			_	136	\$1,947.5
LIME (50)	50# sk	\$5.00	176		176				174	\$870.0
OPTI - G	50# sk	\$30.59	76		76				84	\$2,569.5
BENTONE 38 (50)	50# sk	\$163.94	24		24			_		
BENTONE 910 (50)	50# sk	\$59.40	58		58				8	<u> </u>
BENTONE 990 (50)	50# sk	\$83.59	36		36				10	
OPTI - MUL	gal	\$10.75	400		400				225	
OPTI - WET	gal	\$8.34	550		550			_	165	
NEW PHALT	50# sk	\$38.72	97		97				53	\$2,052.1
DIL SORB (25)	25# sk	\$4.75	18		18			-		
						_			_	
NEW CARB (M)	50# sk	\$5.25			88			<u> </u>	32	\$168.0
CYBERSEAL	25# sk	\$21.47	180		180			<u> </u>		
MAGMAFIBER F (25)	25# sk	\$28.05	47		47				47	\$1,318.3
MAGMAFIBER R (30)	30# sk	\$28.05	78		78			<u> </u>		
/ARISEAL	50# sk	\$26.50			50			<u> </u>		
BER PLUG	30# sk	\$30.37	15			15	\$455.55		15	\$455.5
DYNAFIBER (M)	25# sk	\$53.67	120		120			_		
NEW WATE (SACK BARITE)	100# sk	\$11.50	104		104				56	\$644.00
BARITE BULK (100)	100# sk	\$7.00	1000		800	200	\$1,400.00		1328	\$9,296.00
OPTI DRILL (OBM)	bbl	\$65.00	2120		2120				390	\$25,350.0
DISCOUNTED OBM	bbl	\$15.00	927		903	24	\$360.00		415	\$6,225.0
								-		
		<u></u>					<u></u>			<u> </u>
NOINEEDING (O.C.E.)	-	***					# 4.0====			φορ = - ·
ENGINEERING (24 HR)	each	\$925.00					\$1,850.00			\$22,200.0
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00		24	
ENGINEERING (MILES)	each	\$1.00						-	1000	\$1,000.00
	each	\$2.65							1247	\$3,304.6
RUCKING (min)	each	\$795.00								
FRUCKING (cwt) FRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)									1247 12 12	\$144.00

Date	Operator			Well Name a	ınd No.		Rig Name an	d No.	Report No.	
07/30/20	MAGI	NOLIA OIL	& GAS	DIE.	TZ OL UNI	T 3H	24	48	Repo	rt #13
	DAILY	USAGE 8	k COST	ı			·		СПМП	LATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	230		220	10	\$417.50		30	\$1,252.50
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
TONDO GILIN STINGLAL	20# 38	ψ41.73	30		30					
OBM D	gal	\$1.36								
	gui	ψ1.00								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32							7200	\$9,504.00
OBM_D 7/21	gal	\$1.32							7402	\$9,770.64
DIESEL DELIVERY 7/22/20	gal	\$1.35							7402	\$9,992.70
DIESEL DELIVERY 7/24/20	gal	\$1.35							7402	\$9,992.70
DIESEL DELIVERY 7/27/20	gal	\$1.36	7276		6994	282	\$383.52		407	\$553.52
DIESEL DELIVERY 7/28/20	gal	\$1.40	7200		7200					
					Daily S	Sub-Total \$	801.02		\$62,1	71.06
	-				-			-		
	Cumi	ılative Total	I AES & 3rd	Party \$149	,338.93					

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4										
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344									
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	,									
	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	-	-	-	_	_	-	_	_	-	-
	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	23	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2.348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115
<i>A</i> 1	Chemical Additions	_,0 .0	19	5	-,	-,	-,	16	-,	-,000	-	-	0,1.0	0,110	5,115	0,	0,110	0,1.10	5,1.0	0,	5,	0,
	Base Fluid Added		315	235	29	37	77	109	60	119	108	11										
,	Barite Increase		010	47	-	-		-	-	18	17	14										
	Weighted Mud Added		468	71					455	632	231	17										
- 1,760	Slurry Added		400		-	-	-	-	-	- 032	-	-										
	•		-	16																		
	Water Added Added for Washout		5	16	-	-	20	70	24	-	-	-										
				4	-	-	-	-	-	-	-	-										
•,	Total Additions	-	807	307	29	37	97	195	538	769	356	25	-	-	-	-	-	-	-	-		-
	Surface Losses		31	40	-	-		18	1	-	-	-										
1,077	Formation Loss			15	-	-		150	319	263	209	120										
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-										
156	Unrecoverable Volume				40		116	-	-	-	-	-										
110	Centrifuge Losses		18	15	16	26	15	20	-	-	•	-										
2,114	Total Losses	-	379	307	56	26	142	273	321	280	210	120	-	-	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115
-, -	Mud Recovered	,-	36	. , -	, -	,	, -	,	,,,,,,	-,	-, -		., .	-, -	-, -							-,
- 00	inaa reesterea		- 00							Į.					l .		Į.					
				C	omment	s:					C	omment	s:					C	omment	s:		
		7/20/20	Skid Volur and Test.	me 2093bbl	s + 255bbl	s left in cas	ing. Skiddi	ing/ NU	7/27/20	POOH to d	change out	BHA. TIH	and resume	e drilling.		8/3/20						
3,854		7/21/20	Rec. 432b Evap-20.6 35.7bbls				utting-330.4 // Recovere		7/28/20				ck on botton t time of rep		t working	8/4/20						
	•	35.7bbls Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,P 10bbls and Seepage 15.4						s,Pits	7/29/20	TIH back t change ou			ing, pressu	re spike up	o. POOH to	8/5/20						
		7/23/20 Running Casing in the hole.									ck side. P		ing, with fre			8/6/20						
		7/24/20 Test bop's and pick up BHA and 4.5" DP.							7/31/20							8/7/20						
	7/25/20 TIH resume drilling on curve section.								8/1/20							8/8/20						
	7/26/20 Curve landed, Drill on lateral to 12342' (Lost returns). Dril ahead with fresh water.							Drillng	8/2/20							8/9/20						

110 Old Market St. St Martinville, LA 70582

TEL: (337) 394-1078

95.4° 10,355' TVD

Operator MAGN Well Name and No.	OLIA C	OIL & G	AS	Contractor PAT Rig Name an	TERSO	ON	County / Paris WAS State	h / Block HINGTO	N	_	Start Date 97/1 0/20 te)	972 ft		Drilled Activity	14,00°	1 ft	
	ΓΖ OL (JNIT 3F	l	D	248			EXAS		_	7/09/20		128 ft/hi			RILL		j
Report for JIM HARF	RISON/	JAMES	DYER	Report for To	ol Pusl	ner	Field / OSC-G	# DDIGNS		Fluid Typ	wbm	Circ	ulating Rate 330 gpm			ting Press 1,620		
				FICATION				OLUME (BI	BL)	ı	PUMP #1		PUMP #2			ER BO	•	
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits	5 584	t bbl	Liner S	Size 5.	25 Lir	ner Size 5.	25	Liner	Size		
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hol	e 541	l bbl	Strok	ke 1	2 5	Stroke 1	2	Stro	oke		
	MU	JD PROP	ERTIES			<u> </u>	Active	e 112	5 bbl	bbl/s	tk 0.0	763 k	obl/stk 0.0	763	bbl	/stk		
Time Sample	Гaken			2:00		14:30	Storag	e <u>201</u>	<u>6 bbl</u>	stk/m	nin	s	tk/min 1	03	stk/	min		
Sample Locati	on			suction		suction	Tot. on Lo	cation 314	1 bbl	gal/m	nin	g	al/min 3	30	gal/	min		
Flowline Temp	erature °F	=					Mud Wt. :	= 8.4 P\	/=1	YP=	2 CI	RCULAT	ION DATA		n = 0).415 K	ζ = 1	15.0
Depth (ft)				13,165'		14,001'	Bit [Depth = 14,	001 '		Wash	out = 1%)	Pump	Effici	ency =	95%	
Mud Weight (p	pg)			8.4		8.4	Drill String	Volume	to Bit	176.9	bbl St	rokes To E	Bit 2,318	٦	Time 7	Го Bit	23 n	nin
Funnel Vis (se	c/qt)		@ 90 °F	27		27	Disp.	Bottoms U	p Vol.	363.9	bbl Botto	omsUp Stl	ks 4,768	Bottor	nsUp	Time	46 n	nin
600 rpm				4		4	99.2 bbl	TotalCii	rc.Vol.	1124.8	bbl To	talCirc.Stl	ks 14,740	Total	Circ.	Time	143 ו	min
300 rpm				3		3		DRILLIN	G AS	SEMBL	Y DATA		s	OLIDS	s coi	NTROL		
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.)	Length	Тор	Unit		Scre	ens	Ηοι	ırs
100 rpm				1		1	Drill Pipe	4.500	3.8	826	11,253'		Shakei	r 1	17	70		
6 rpm				1		1	Agitatior	5.000	3.0	000	35'	11,253	' Shakei	r 2	17	70		
3 rpm				1		1	Drill Pipe	4.500	2.5	500	2,593'	11,288	' Shakei	r 3	17	70		
Plastic Viscosi	ty (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.6	688	120'	13,881	,					
Yield Point (lb/	100 ft²)		T0 = 1	2		2		CASIN	IG &	HOLE I	DATA							
Gel Strength (b/100 ft²)	10 s	ec / 10 min	1/2		1/2	Casing	OD (in.)	ID	(in.)	Depth	Тор	Centrifuç	ge 1				
Gel Strength (b/100 ft2))	30 min	2		2	Riser						VOLUN	IE AC	COU	NTING	(bbl	s)
API Filtrate / C	ake Thick	kness		25/1		25/1	Surface	10 3/4			2,769'		Prev. T	otal or	n Loc	ation	31	14.7
HTHP Filtrate	/ Cake Th	ickness					Int. Csg.	7 5/8	6.8	875	10,239'		Transfe	erred Ir	n(+)/C	Out(-)		
Retort Solids (Content			0.5%		0.5%	Washout 1							Oil	Adde	ed (+)		
Retort Oil Con	tent			1%		1%	Washout 2							Barite	Adde	ed (+)		
Retort Water 0	Content			98.5%		98.5%	Oper	n Hole Size	6.8	818	14,001'		Other Pr	oduct	Usag	e (+)		
Sand Content				0.5%		0%	AN	NULAR G	ЕОМЕ	TRY &	RHEOLO	OGY	,	Water	Adde	ed (+)		
M.B.T. (Methy	ene Blue	Capacity) (ppb)				annula	ar .		veloc	city flow	ECD	Le	ft on C	Cutting	gs (-)		
рН				8.4		8.4	sectio	i de	pth	ft/m	,	lb/gal	Pur	nped E	Down	Hole		
Alkalinity, Mud	Pm			0.1		0.1		!		·P								
Alkalinities, Fil	trate Pf/M	lf		0.1/0.2		0.1/0.2	6.875x4	1 .5 10,	239'	299	.5 turb	8.87	Est. T	otal or	n Loc	ation	31	14.7
Chlorides (mg/	'L)			400		500	6.818x4	4.5 11,	253'	308	.4 turb	9.08	Est. Los	ses/Ga	ains (-)/(+)		26.1
Calcium (ppm)				40		80	6.818	κ5 11,	288'	376	.6 turb	9.26	BIT	HYDR	AULI	CS DA	TA	
Excess Lime (b/bbl)						6.818x4	4.5 13,	881'	308	.4 turb	9.56	Bit H.S.I.	Bit .	ΔΡ	Nozzle	s (32	nds)
Average Spec	fic Gravit	y of Solid	S	2.60	2.60	2.60	6.818	κ5 14,	001'	376	.6 turb	9.75	0.33	61	psi	16	16	16
Percent Low G	ravity So	lids		0.5%		0.5%							Bit Impact	Noz		16	16	16
Percent Drill S	olids			0.5%		0.5%							Force	Velo (ft/s	,			
PPA Spurt / To	otal (ml) @	0					BIT	DATA	Ма	nuf./Ty	pe HALL	IB GTD64	M 129 lbs	90	0			
Estimated Total	al LCM in	System					Size	Depth In	Но	ours	Footage	ROP ft/l	nr Motor/M	WD	Calc	. Circ. F	Press	sure
Sample Taken	Ву			A. Roman		M Washburn	6 3/4	12,821 ft	18	8.0	972 ft	54.0	2,240	psi		3,386	psi	
Afternoon Rema	arks/Recor	mmendatio	ins:				Afternoon F	Rig Activity:										
						1000 casii sma) PSI, pum ng pressui Il amount (np 100 re red of die	0 bbls duced t sel. Cu	17.5# kill o 0. Con irrently s	mud the tinue dril liding an	13645, casiren 60 bbls 14 ling with frest d rotating to 2 OBM fron	4.5# d sh wat maint	lown ter, P tain a	annulu HPA a ingle ai	s, nd	to	

Operator

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

94.8° 10,302' TVD

Operator				Contractor			County / Parish /	Block		Engineer	Start Da	ate	24 hr f	tg.		Drilled [Depth	
MAG	NOLIA (OIL & C	SAS	PAT	TERS	ON	WASH	IINGTO	N	C	07/10	/20		1,639 ft		•	14,98	33 ft
Well Name and No.	TZ OL	UNIT 3	Н	Rig Name an	nd No. 248		State TE	EXAS		Spud Dat	10 17/09	/20	Currer	75 ft/hr		Activity	RILI	ING
Report for			<u> </u>	Report for			Field / OCS-G #			Fluid Typ			Circula	ating Rate		Circulat		_
JIM HAR	RISON/	JAMES	DYER	То	ol Pus	her	GID	DIGNS			WB	М		337 gpm	า	4	,410	psi
	MUD	PROPER	RTY SPECIF	ICATION	s		MUD VO	LUME (BE	BL)		PUMP	P #1		PUMP #2		RIS	ER BO	OOSTER
Weight	PV	ΥP	GELS	pН	API fl	% Solids	In Pits	654	4 bbl	Liner	Size	5.25	Line	r Size 5.	25	Liner	Size	
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole	580	0 bbl	Strol	ke	12	Str	oke 1	12	Stro	ke	
				7/31/20		7/30/20	Active	123	4 bbl	bbl/s	stk	0.0763	bb	l/stk 0.0	763	bbl/	stk	0.0000
Time Sample	Taken			2:00		14:30	Storage	<u>201</u>	5 bbl	stk/n	nin	0	stk	/min 1	05	stk/i	min	
Sample Location	on			suction		suction	Tot. on Loc	cation 324	9 bbl	gal/n	min	0	gal	/min 3	37	gal/i	min	0
Flowline Temp	erature °F	=						PHHP = 86	6		CIR	CULAT	ON DA	TA		n = 0	.415	K = 114.973
Depth (ft)				14,821'		14,001'	Bit C	epth = 14,	983 '		V	Vashout	= 1%		Pump	Efficie	ency =	: 95%
Mud Weight (p	pg)			8.4		8.4	Drill String	Volume	to Bit	190.9	bbl	Stroke	s To Bit	2,501		Time 7	Γο Bit	24 min
Funnel Vis (se	c/qt)		@ 90 °F	27		27	Disp.	Bottoms U	Jp Vol.	388.9	bbl	Bottoms	Up Stks	5,096	Botto	msUp	Time	49 min
600 rpm				4		4	104.6 bbl	TotalCi	rc.Vol.	1233.8	8 bbl	TotalC	irc.Stks	16,168	Tota	l Circ.	Time	154 min
300 rpm				3		3		DRILLIN	G ASS	EMBL	Y DAT	ГА		s	OLID	s cor	NTRO	L
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.)	Len	gth	Тор	Unit		Scre	ens	Hours
100 rpm				1		1	Drill Pipe	4.500	3.8	826	12,2	35'	0'	Shaker	r 1	17	0	
6 rpm				1		1	Agitatior	5.000	3.0	000	35	5' 1.	2,235'	Shakei	r 2	17	0	
3 rpm				1		1	Drill Pipe	4.500	2.	500	2,59	93' 1	2,270'	Shaker	r 3	17	0	
Plastic Viscosi	ty (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.0	688	12	0' 1	4,863'					
Yield Point (lb/	100 ft²)		T0 = 1	2		2		CASIN	NG & F	IOLE D	DATA			•				
Gel Strength (I	b/100 ft ²)	10	sec/10 min	1/2		1/2	Casing	OD (in.)	ID	(in.)	Dep	oth	Тор	Centrifuç	ge 1			
Gel Strength (I	b/100 ft ²)		30 min	2		2	Riser							VOLUN	ME AC	COU	NTING	(bbls)
API Filtrate / C	ake Thick	ness		25/1		25/1	Surface	10 3/4			2,76	69'	0'	Prev. T	otal o	n Loc	ation	3114.7
HTHP Filtrate	/ Cake Th	ickness	@ 0 °F				Int. Csg.	7 5/8	6.8	875	10,2	39'	0'	Transfe	erred I	n(+)/C	Out(-)	142.0
Retort Solids C	Content			0.5%		0.5%	Washout 1								Oil	Adde	d (+)	32.7
Retort Oil Con	tent			1%		1%	Washout 2								Barite	Adde	d (+)	21.9
Retort Water 0	Content			98.5%		98.5%	Oper	Hole Size	6.8	818	14,9	83'		Other Pr	roduct	Usag	e (+)	1.0
Sand Content				0.5%		0%	ANI	NULAR GE	OME	TRY &	RHEC	LOGY		,	Water	Adde	d (+)	
M.B.T. (Methyl	lene Blue	Capacity) (ppb)				annular	. m	eas.	velo	city	flow	ECD	Le	eft on (Cutting	gs (-)	0.0
рН				8.4		8.4	section		epth	ft/m	•		b/gal	Pur	nped [Down	Hole	-63.4
Alkalinity, Mud	Pm			0.1		0.1		<u> </u>				I		-				
Alkalinities, Fil	trate Pf/M	f		0.1/0.2		0.1/0.2	6.875x4.	5 10	,239'	305	5.3	turb	8.81	Est. 7	Total o	n Loc	ation	3248.8
Chlorides (mg/	′L)			400		500	6.818x4.	5 12	,235'	314	.4	turb	8.97	Est. Los	ses/G	ains (-	- -)/(+)	0.0
Calcium (ppm)				40		80	6.818x5	5 12,	,270'	383	3.9	turb	9.08	BIT	HYDR	RAULI	CS D	ATA
Excess Lime (lb/bbl)						6.818x4.	5 14	,863'	314	.4	turb	9.29	Bit H.S.I.	Bit	ΔΡ	Nozzl	es (32nds)
Average Speci		y of Solid	s	2.60	2.60	2.60	6.818x5	5 14	,983'	383	3.9	turb	9.40	0.35	63	psi	16	16 16
Percent Low G	Gravity So	lids		0.5%		0.5%								Rit Impact	Noz		16	16 16
Percent Drill S	olids			0.5%		0.5%								Bit Impact Force	Velo			
PPA Spurt / To		<u> </u>	@ 0 °F				BIT D	ATA	Ма	ınuf./Ty	/pe	HALLIB (STD64M	134 lbs	9	<i>'</i>		
Estimated Total	al LCM in	System	ppb				Size	Depth In	Нс	ours	Foot	age R0	OP ft/hr	Motor/M	WD	Calc	. Circ.	Pressure
Sample Taken	Ву			A. Roman		M Washburn	6 3/4	12,821 ft	18	8.0	972	2 ft	54.0	2,240	psi		3,473	psi

Remarks/Recommendations:

OBM RECEIVED:4,240bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--2,015bbls (Storage)---654bbls (Active)

TOTAL OBM ON SURFACE = 2669BBLS

\$15 (9#-131bbl / 13.5#-434bbl)

9#-970bbl / 13.5# 480bbl)

OBM GAIN/LOSS---(Daily -63) Total (-1001bbls)

Rig Activity:

\$65(

Continue Drilling / sliding ahead on lateral section. Using Fresh water water as the $\,$ primary circulating median, condition same with additions of Diesel - Evo-Lube and PHPA; OBM for sweeps (10.5ppg W/ 2ppb of First-Response & EvoLube 2%) Pump 20bbls as requested by Co. Man. Torque has been steady at <15kf-lbf. Casing pressure on Opsi. Maintain 17ppg Kill mud in designated pit, to pump on back side if necessary. At time of report, Continue drilling ahead pasing 14,987'.

En	g. 1:	Mi	ke W	ashbı	urn	Er	ng. 2:	Adolf	o Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Ph	one:	36	61-94	5-57	77	Ph	one:	956-8	321-9994	Phone:	432-686-736	Phone:	-			
W 1	P 1	Y 1	g 1	G 1	р 1	A 1	S 0	O	carefully	and may be	used if the use		er, no representa	has been prepared tion is made as to the	\$9,278.84	\$96,446.71
												INCLUI	DING 3RD PAR	RTY CHARGES	\$11,775.76	\$161,114.69

Item SAPP (50) PHPA LIQUID (pail) EVO-LUBE NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	DAILY Unit 50# sk 5 gal gal 100# sk 25# sk	Unit Cost \$44.56 \$41.36 \$14.00 \$19.75	Previous Inventory 58 88	Received	Closing Inventory 58 88	Daily Usage	Daily Cost		Cum Cost
SAPP (50) PHPA LIQUID (pail) EVO-LUBE NEW GEL (PREMIUM)	Unit 50# sk 5 gal gal 100# sk	\$44.56 \$41.36 \$14.00	Previous Inventory 58 88	Received	Inventory 58 88	-	Daily Cost	Cum Usage	Cum Cos
SAPP (50) PHPA LIQUID (pail) EVO-LUBE NEW GEL (PREMIUM)	50# sk 5 gal gal 100# sk	\$44.56 \$41.36 \$14.00	Inventory 58 88	Received	Inventory 58 88	-	Daily Cost	Usage	
PHPA LIQUID (pail) EVO-LUBE NEW GEL (PREMIUM)	5 gal gal 100# sk	\$41.36 \$14.00	88		88			27	\$1,203.12
EVO-LUBE NEW GEL (PREMIUM)	gal 100# sk	\$14.00							
NEW GEL (PREMIUM)	100# sk		800						
· · · · · · · · · · · · · · · · · · ·		\$19.75	70		650	150	\$2,100.00	325	\$4,550.00
ALOMINOM TRIOTE/MOTE	20// 010	\$162.83			70 20				
		φ102.83	20		20				
CACL2 (50)	50# sk	\$14.32	88		84	4	\$57.28	140	\$2,004.80
LIME (50)	50# sk	\$5.00	176		175	1	\$5.00	175	\$875.0
OPTI - G	50# sk	\$30.59			76			84	<u> </u>
BENTONE 38 (50)	50# sk	\$163.94	24		20	4	\$655.76	4	
BENTONE 910 (50) BENTONE 990 (50)	50# sk 50# sk	\$59.40 \$83.59			55 36	3	\$178.20	11	<u> </u>
OPTI - MUL	gal	\$10.75			400			225	
OPTI - WET	gal	\$8.34			550			165	
NEW PHALT	50# sk	\$38.72	97		97			53	\$2,052.16
OIL SORB (25)	25# sk	\$4.75	18		18				
				-					
NEW CARB (M)	50# sk	\$5.25			88			32	\$168.00
CYBERSEAL	25# sk	\$21.47			180			47	¢4 240 25
MAGMAFIBER F (25) MAGMAFIBER R (30)	25# sk 30# sk	\$28.05 \$28.05			47 78			47	\$1,318.35
VARISEAL	50# sk	\$26.50			50				
FIBER PLUG	30# sk	\$30.37			00			15	\$455.55
DYNAFIBER (M)	25# sk	\$53.67	120		120			-	
		211.50							*****
NEW WATE (SACK BARITE) BARITE BULK (100)	100# sk	\$11.50 \$7.00		464	104 950	314	\$2,198.00	1642	\$644.00 \$11,494.00
BARTIE BULK (100)	100# sk	\$7.00	800	464	950	314	\$2,196.00	1042	\$11,494.00
		<u> </u>	 					<u> </u>	-
OPTI DRILL (OBM)	bbl	\$65.00	2120		2120			390	\$25,350.00
DISCOUNTED OBM	bbl	\$15.00	903	142	982	63	\$945.00	478	\$7,170.00
									1
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00	26	\$24,050.00
	bbl	\$30.00				2	\$60.00	26	
ENGINEERING (DIEM)	each	\$1.00						1000	\$1,000.00
ENGINEERING (DIEM) ENGINEERING (MILES)		1	1 7						
		 	1						
								-	
ENGINEERING (MILES)	and	фо от				404	\$1 220 60	4744	¢4 E24 00
ENGINEERING (MILES) TRUCKING (cwt)	each each	\$2.65 \$795.00				464	\$1,229.60	1711	\$4,534.26
ENGINEERING (MILES)	each each each	\$2.65 \$795.00 \$12.00				464	\$1,229.60	1711	
ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each	\$795.00				464	\$1,229.60		\$144.00

Date	Operator			Well Name a	and No.		Rig Name ar	id No.	Report No.	
07/31/20	MAG	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	2	48	Repo	rt #14
	DAILY	USAGE 8	& COST						сими	LATIVE
ltem	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	220		200	20	\$835.00		50	\$2,087.50
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20		\$1.34								\$9,504.00
OBM_D 7/21	gal									
	gal	\$1.32							7402	
DIESEL DELIVERY 7/22/20	gal	\$1.35							7402	
DIESEL DELIVERY 7/24/20	gal	\$1.35							7402	
DIESEL DELIVERY 7/27/20	gal	\$1.36			5772		\$1,661.92		1629	\$2,215.44
DIESEL DELIVERY 7/28/20	gal	\$1.40	7200		7200					
					1					
		<u> </u>		<u> </u>	-		100.00			
					Daily S	ub-Total \$2	2,496.92		\$64,6	67.98
								-		
	Cumi	ılative Total	AES & 3rd	Party \$161	,114.69					

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name: MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4									
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983								
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	,								<u> </u>
	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	_	_	_	-	_		_	_	
,	New Hole Vol.		472	237			11	83	2	16	1	23	73		_			_		_		+ -
310		2.348		2,776	2,776		2,759		2,637	2,855	3,064				3.249		2 240	2 240		3.249		+
10	Starting System Volume	2,346	2,348			2,748		2,715				3,210	3,115	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249
	Chemical Additions		19	235	-	- 37	- 77	16 109	-	- 440	108	- 44	1							<u> </u>	 	+
, -	Base Fluid Added		315		29			109	60	119		11 14	33 22							<u> </u>	 	+
	Barite Increase			47	-	-	-	-	-	18	17									<u> </u>		4
•	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142							<u> </u>	<u> </u>	
	Slurry Added				-	-	-	-	-	-	-	-	-							<u> </u>	<u> </u>	
	Water Added		5	16	-	-	20	70	24	-	-	-	-							<u> </u>	<u> </u>	
_	Added for Washout			4	-	-	-	-	-	-	-	-	-									
3,359	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	-	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-	-									
1,140	Formation Loss			15	-	-		150	319	263	209	120	63									1
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-									
	Unrecoverable Volume				40	-	116	-	-	-	-	-	-									
	Centrifuge Losses		18	15	16	26	15	20	_	-	_	-	-							1		1
			1							I		l	I		l I		l	l I				
2,178	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	-	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
3,249	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249
36	Mud Recovered		36																			
					omment							omment	c.						omment	·c-		
					Omment	·						Omment	<i>3.</i>						Omment	<u>s.</u>		
		7/20/20	Skid Volur and Test.	ne 2093bbl	s + 255bbl	s left in cas	ing. Skiddi	ing/ NU	7/27/20	POOH to d	change out	BHA. TIH	and resume	e drilling.		8/3/20						
3,996		7/21/20	Rec. 432b Evap-20.6 35.7bbls		ewpark. Mu 18bbls, Pits				7/28/20				k on botton t time of rep		working	8/4/20						
	I	7/22/20		Cutting 23	37bbls, Eva 15.4	p 25bbls, 0	Cent 15bbls	,Pits	7/29/20	TIH back t			ing, pressu	re spike up	. POOH to	8/5/20						
		7/23/20 Running Casing in the hole.									ck side. P		ing, with fre			8/6/20						
		7/24/20 Test bop's and pick up BHA and 4.5" DP.							7/31/20				for drilling. 2% EvoLub			8/7/20						
		7/25/20	TIH resum	e drilling o	n curve sec	tion.			8/1/20							8/8/20						
		7/26/20	Curve land	led. Drill or	n lateral to	2342' (Los	st returns). I	Drillng	8/2/20							8/9/20						

110 Old Market St. St Martinville, LA 70582 TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

89.5° 10,306' TVD

Operator MAGN	IOLIA C	NI & G	۸۹	Contractor	TERSO	N.	County / Parish	n / Block HINGTO		Engineer Sta	art Date 10/20	24 hr	ftg. 1,454 ft		led Depth 15,4	55 f4	
Well Name and No.		IL & G	AS	Rig Name an		JN	State	HINGTO	IN	Spud Date	10/20		ent ROP	Act) II	·
	TZ OL (JNIT 3H	l	J	248			EXAS			09/20		65 ft/hr		DRIL	LING	3
Report for				Report for			Field / OSC-G			Fluid Type		Circu	lating Rate		culating Pres		
JIM HARF	RISON/	JAMES	DYER	То	ol Pus	her	GIE	DIGNS		W	/BM		337 gpm	1	5,339	ps	<u>i </u>
			TY SPECII		S	1	MUD VC	DLUME (B	BL)	PU	MP #1		PUMP #2	F	RISER BO	oos	ΓER
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits	654	1 bbl	Liner Size	e 5.2	25 Line	er Size 5.	25 Lii	ner Size		
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole	599) bbl	Stroke	1:	2 St	roke 1	2	Stroke		
		JD PROP	ERTIES			1	Active	125	3 bbl	bbl/stk	0.07	763 bl	ol/stk 0.0	763	obl/stk		
Time Sample	Taken			2:00		13:00	Storage	e <u>201</u>	5 bbl	stk/min		st	k/min 10	05 s	stk/min		
Sample Locat				suction		suction	Tot. on Loc		8 bbl	gal/min		ga	al/min 3		gal/min		
Flowline Temp	erature °F	-					Mud Wt. =	= 8.4 P\	/=1	YP=2	CIF	RCULATI	ON DATA		= 0.415		
Depth (ft)				14,821'		15,455'	Bit D	epth = 15,	455 '		_	out = 1%		Pump Eff	ficiency =	95%	Ď
Mud Weight (p	opg)			8.4		8.4	Drill String	Volume	to Bit	197.6 bb	I Str	okes To B	it 2,589	Tim	ne To Bit	25	min
Funnel Vis (se	ec/qt)		@ 90 °F	27		27	Disp.	Bottoms U	p Vol.	400.9 bb	Botto	msUp Stk	s 5,254	Bottoms	Up Time	50	min
600 rpm				4		4	107.2 bbl	TotalCii	rc.Vol.	1252.5 bb	ol To	talCirc.Stk	s 16,414	Total Ci	rc. Time	156	min
300 rpm				3		3		DRILLIN	G ASS	SEMBLY I	DATA		S	OLIDS C	ONTRO	L	
200 rpm				2		2	Tubulars	OD (in.)	ID ((in.) Le	ength	Тор	Unit	S	creens	Но	urs
100 rpm				1		1	Drill Pipe	4.500	3.8	326 12	2,707'		Shaker	1	170		
6 rpm				1		1	Agitatior	5.000	3.0	000	35'	12,707'	Shaker	2	170		
3 rpm				1		1	Drill Pipe	4.500	2.5	500 2	,593'	12,742'	Shaker	3	170		
Plastic Viscos	ity (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.6	688 1	120'	15,335'					
Yield Point (lb.	/100 ft²)		T0 = 1	2		2		CASIN		HOLE DA	TA						
Gel Strength (lb/100 ft ²)	10 se	ec / 10 min	1/2		1/2	Casing	OD (in.)	ID ((in.) D	epth	Тор	Centrifuç				
Gel Strength (lb/100 ft2)	l	30 min	2		2	Riser						VOLUM	IE ACCC	DUNTING	dd) e	is)
API Filtrate / C	Cake Thick	ness		25/1		25/1	Surface	10 3/4		2	,769'		Prev. T	otal on L	ocation	32	248.8
HTHP Filtrate	/ Cake Th	ickness					Int. Csg.	7 5/8	6.8	375 10),239'		Transfe	erred In(+	-)/Out(-)		
Retort Solids (Content			0.5%		0.5%	Washout 1							Oil Ac	lded (+)		
Retort Oil Con	tent			1%		1%	Washout 2							Barite Ac	lded (+)		
Retort Water (Content			98.5%		98.5%	Open	Hole Size	6.8	318 15	,455'		Other Pr	oduct Us	sage (+)		
Sand Content				0.5%		0%	ANI	NULAR GI	OME	TRY & RI	HEOLO	GY	\	Nater Ac	lded (+)		
M.B.T. (Methy	lene Blue	Capacity)) (ppb)				annula	ı ae	pth	velocity		ECD	Le	ft on Cut	tings (-)		
рН				8.4		8.4	section	1		ft/min	reg	lb/gal	Pun	nped Dov	wn Hole		
Alkalinity, Muc	l Pm			0.1		0.1											
Alkalinities, Fi	trate Pf/M	f		0.1/0.2		0.1/0.2	6.875x4	.5 10,	239'	305.3	turb	8.80	Est. T	otal on L	ocation	32	248.8
Chlorides (mg	/L)			400		500	6.818x4	.5 12,	707'	314.4	turb	8.97	Est. Los	ses/Gain	s (-)/(+)		18.7
Calcium (ppm)			40		80	6.818x	5 12,	742'	383.9	turb	9.06	BIT	HYDRAU	JLICS D	ATA	
Excess Lime (lb/bbl)						6.818x4	.5 15,	335'	314.4	turb	9.25	Bit H.S.I.	Bit ∆P	Nozzl	es (32	2nds)
Average Spec	ific Gravit	y of Solids	s	2.60	2.60	2.60	6.818x	5 15,	455'	383.9	turb	9.35	0.35	63 ps	i 16	16	16
Percent Low 0	Gravity Sol	ids		0.5%		0.5%							Bit Impact	Nozzle Velocit		16	16
Percent Drill S	olids			0.5%		0.5%							Force	(ft/sec	- 1		
PPA Spurt / To	otal (ml) @	0					BIT D	DATA	Mai	nuf./Type		IB GTD64N	134 lbs	92			
Estimated Tot	al LCM in	System					Size	Depth In	Но	urs Fo	otage	ROP ft/h	r Motor/M	WD C	alc. Circ.	Pres	sure
Sample Taker	Ву			A. Roman		M Washburn	6 3/4	12,821 ft	48	3.0 2,6	634 ft	54.9	2,240	osi	3,496	psi	
Afternoon Rem	fternoon Remarks/Recommendations:						1518 Cont	inue drillir 60, pump 4 inue drillir	40 bbl ng witl	ls 17.5# k h fresh w	kill mud ater, P	l down ar HPA and	eral hole se nnulus to re I small amo ntly drilling	lieve ca	sing pre diesel. P	ssure	

OUTSOURCE FLUID SOLUTIONS LLC.

89.5°

10,314' TVD

Operator MAGI	NOLIA (OIL & G	BAS	Contractor PA1	TERS	ON	County / Parish /	Block		Engineer Sta	art Date /10/20	24 hr	ftg. 1,387 ft		Orilled D	Depth	70 ft	
	TZ OL	UNIT 3	н	Rig Name an	248			EXAS			/09/20		nt ROP 63 ft/hr				ING	,
Report for JIM HAR	DISON	IAMES	DVED	Report for	ol Pus	hor	Field / OCS-G #	DIGNS		Fluid Type	VBM	Circul	ating Rate		Circulati 2	-		.
JIWI HAK			TY SPECIF			ilei		LUME (BE) \		JMP #1		337 gpn PUMP #2	-		-	psi ost	
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits		7 bbl	Liner Siz		25 Line		.25	Liner			
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole		5 bbl	Stroke				12	Stro			
0.4 3.0	0.10	0.0	30 310	8/1/20	~20	7/31/20	Active		2 bbl	bbl/stk				763	bbl/s		0.00	000
Time Sample	Taken			2:00		13:00	Storage		5 bbl	stk/min				05	stk/n		0.00	
Sample Locati				suction		suction		cation 309		gal/min				37	gal/r		0)
Flowline Temp		=						PHHP = 63				ATION D					K = 114	
Depth (ft)				16,237'		15,455'		Depth = 16,				out = 1%	<u> </u>	Pump				
Mud Weight (p	pg)			8.4		8.4		1		210.6 bb		rokes To Bi		· I			26 n	
Funnel Vis (se			@ 90 °F	27		27	Drill String Disp.	Bottoms U	lp Vol.	424.2 bk	bl Botto	omsUp Stks	5,560	Botton	nsUp ⁻	Time	53 n	nin
600 rpm	17			4		4	112.1 bbl			1081.8 b		talCirc.Stks					135 r	min
300 rpm				3		3		DRILLIN	G ASS	SEMBLY D	DATA		S	OLIDS	CON	ITRO	L	
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.) L	Length	Тор	Unit		Scre	ens	Hou	urs
100 rpm				1		1	Drill Pipe	4.500	3.	826 1	13,622'	0'	Shake	r 1	17	0		
6 rpm				1		1	Agitatior	5.000	3.	000	35'	13,622'	Shake	r 2	17	0		
3 rpm				1		1	Drill Pipe	4.500	2.	500	2,593'	13,657'	Shake	r 3	17	0		
Plastic Viscosi	ty (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.	688	120'	16,250'						
Yield Point (lb/	100 ft²)		T0 = 1	2		2		CASIN	IG & H	HOLE DA	TA		_					
Gel Strength (b/100 ft²)	10	sec/10 min	1/2		1/2	Casing	OD (in.)	ID	(in.)	Depth	Тор	Centrifu	ge 1				
Gel Strength (b/100 ft ²)		30 min	2		2	Riser						VOLUM	IE AC	COUN	ITING	(bbls	s)
API Filtrate / C	ake Thick	rness		25/1		25/1	Surface	10 3/4		:	2,769'	0'	Prev.	Γotal or	n Loca	ation	324	48.8
HTHP Filtrate	/ Cake Th	nickness	@ 0 °F				Int. Csg.	7 5/8	6.	875 1	10,239'	0'	Transfe	erred Ir	n(+)/O	ut(-)		
Retort Solids (Content			0.5%		0.5%	Washout 1							Oil	Added	(+) b		0.0
Retort Oil Con	tent			1%		1%	Washout 2							Barite	Added	(+) b		0.0
Retort Water (Content			98.5%		98.5%	Oper	n Hole Size	6.	818 1	16,370'		Other P	roduct	Usage	e (+)		0.0
Sand Content				0.5%		0%	AN	NULAR GE	OME	TRY & RI	IEOLOG	€Y.		Water	Added	(+) b		
M.B.T. (Methy	lene Blue	Capacity)	(ppb)				annula	r me	eas.	velocity	/ flow	ECD	Le	eft on C	utting	ıs (-)		0.0
рН				8.4		8.4	section	n de	epth	ft/min	reg	lb/gal	Pur	mped D	own I	Hole	-15	51.9
Alkalinity, Mud	Pm			0.1		0.1												
Alkalinities, Fil	trate Pf/M	lf		0.1/0.2		0.1/0.2	6.875x4	.5 10,	239'	305.3	turb	8.80	Est.	Γotal or	n Loca	ation _	309	96.9
Chlorides (mg/	L)			400		500	6.818x4	.5 13,	622'	314.4	turb	8.99	Est. Los	ses/Ga	ains (-)/(+)		0.0
Calcium (ppm)	ı			40		80	6.818x	5 13,	657'	383.9	turb	9.09	BIT	HYDR	AULI	CS D	ΑТА	
Excess Lime (lb/bbl)						6.818x4	.5 16,	250'	314.4	turb	9.27	Bit H.S.I.	Bit A	ΔP	Nozzl	es (32)	inds)
Average Spec	ific Gravit	y of Solids	S	2.60	2.60	2.60	6.818x	5 16,	370'	383.9	turb	9.36	0.35	63	psi	16	16	16
Percent Low G	Gravity So	lids		0.5%		0.5%							Bit Impact	Noz Velo		16	16	16
Percent Drill S	olids			0.5%		0.5%			1				Force	(ft/se	•			
PPA Spurt / To	otal (ml) @	0	@ 0 °F				BIT D	ATA	Ма	anuf./Type	HALL	IB GTD64N	1 134 lbs	92	2			
Estimated Total	al LCM in	System	ppb				Size	Depth In	Н	ours F	ootage	ROP ft/hi	Motor/M	WD	Calc.	Circ.	Press	sure
Sample Taker	Ву			A. Roman		M Washburn	6 3/4	12,821 ft	6	2.0 3	3,998 ft	64.5	2,240	psi		3,540	psi	
Remarks/Reco	mmendation	ons:					Rig Activity:											

OBM RECEIVED:4,240bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--2,015bbls (Storage)--- 447bbls (Active)

TOTAL OBM ON SURFACE = 2669BBLS

\$15 (9#-131bbl / 13.5#-434bbl) \$65(9#-970bbl / 13.5# 480bbl)

OBM GAIN/LOSS---(Daily -63) Total (-1001bbls)

Continue Drilling / sliding ahead on lateral section. Using Fresh water water as the primary circulating median, condition same with additions of Diesel - PHPA; OBM for sweeps (10.5ppg W/ 2ppb of First-Response) Pump 20bbls as requested by Co. Man. Torque has been steady at <5-6kf-lbf on slides and 15-20kf-lbf on rotation. @15180' casing pressure increase to 250psi, Pumped 50bbls Kill mud on back side. Casing pressure on 0psi. Maintain 17ppg Kill mud in designated pit, to pump on back side if necessary. At time of report, Continue drilling ahead pasing 16,400'.

E	ng. 1:	Mi	ke W	ashb	urn	Er	ng. 2:	Adolfo	Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
PI	none:	3	61-94	5-57	77	Ph	none:	956-8	21-9994	Phone:	432-686-7361	Phone:	-			
W 1	P 1	Y 1	g 1	G 1	р 1	A 1	S 0	C 0	carefully	and may be	ecommendation, ex used if the user so ation, and this is a	elects, however	, no representati	nas been prepared on is made as to the	\$4,190.00	\$100,636.71
												INCLUDI	NG 3RD PAR	TY CHARGES	\$7,739.60	\$168,854.29

08/01/20	Operator MAGI	NOLIA OIL		Well Name a	ind No. TZ OL UNI T	Г3H	Rig Name ar	d No. 48	Report No. Repo	rt #15
	DAILY	USAGE 8	& COST				· II			LATIVE
			Previous		Closing	Daily			Cum	
Item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	58		58				27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36			88					
EVO-LUBE	gal	\$14.00			650 70				325	\$4,550.00
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75 \$162.83	70 20		20					
ALOMINOMITRISTEARATE	25# SK	φ102.03	20		20					
CACL 2 (F0)	50# ale	£44.22	0.4		0.4				440	#2.004.00
CACL2 (50) LIME (50)	50# sk	\$14.32 \$5.00	84 175		84 175				140 175	\$2,004.80 \$875.00
OPTI - G	50# sk	\$30.59	76		76				84	
BENTONE 38 (50)	50# sk	\$163.94	20		20				4	\$655.76
BENTONE 910 (50)	50# sk	\$59.40	55		55				11	\$653.40
BENTONE 990 (50)	50# sk	\$83.59	36		36				10	
OPTI - MUL	gal	\$10.75	400		400				225	\$2,418.75
OPTI - WET	gal	\$8.34	550		550				165	\$1,376.10
NEW PHALT	50# sk	\$38.72	97		97				53	\$2,052.16
OIL SORB (25)	25# sk	\$4.75	18		18					
NEW CARR (M)	50"	AF 0 -	00		20				200	# 400 00
NEW CARB (M) CYBERSEAL	50# sk 25# sk	\$5.25 \$21.47	88 180		88 180				32	\$168.00
MAGMAFIBER F (25)	25# sk	\$21.47	47		47				47	\$1,318.35
MAGMAFIBER R (30)	30# sk	\$28.05	78		78				47	φ1,310.33
VARISEAL	50# sk	\$26.50	50		50					
FIBER PLUG	30# sk	\$30.37			30				15	\$455.55
DYNAFIBER (M)	25# sk	\$53.67	120		120					
, ,										
NEW WATE (SACK BARITE)	100# sk	\$11.50			104				56	-
BARITE BULK (100)	100# sk	\$7.00	950		950				1642	\$11,494.00
					1					
OPTI DRILL (OBM)	bbl	\$65.00	2120		2120				390	\$25,350.00
OPTI DRILL (OBM)	bbl	\$65.00	2120		2120				390	
OPTI DRILL (OBM) DISCOUNTED OBM	bbl	\$65.00 \$15.00	2120 982		2120 830	152	\$2,280.00		390	
						152	\$2,280.00			
						152	\$2,280.00			
						152	\$2,280.00			
						152	\$2,280.00			
						152	\$2,280.00			
						152	\$2,280.00			
						152	\$2,280.00			
						152	\$2,280.00			
			982				\$2,280.00		630	\$9,450.00
DISCOUNTED OBM	bbl	\$15.00	982				\$1,850.00		630	\$9,450.00
DISCOUNTED OBM ENGINEERING (24 HR)	bbl	\$15.00 \$15.00 \$925.00	982			2	\$1,850.00		630	\$9,450.00 \$9,450.00 \$25,900.00 \$840.00
DISCOUNTED OBM ENGINEERING (24 HR) ENGINEERING (DIEM)	each bbl	\$15.00 \$15.00 \$925.00 \$30.00	982			2	\$1,850.00		630 28 28	\$9,450.00 \$9,450.00 \$25,900.00 \$840.00
DISCOUNTED OBM ENGINEERING (24 HR) ENGINEERING (DIEM)	each bbl	\$15.00 \$15.00 \$925.00 \$30.00	982			2	\$1,850.00		630 28 28	\$9,450.00 \$9,450.00 \$25,900.00 \$840.00
DISCOUNTED OBM ENGINEERING (24 HR) ENGINEERING (DIEM)	each bbl	\$15.00 \$15.00 \$925.00 \$30.00	982			2	\$1,850.00		630 28 28	\$9,450.00 \$9,450.00 \$25,900.00 \$840.00 \$1,000.00
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES)	each bbl	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00	982			2	\$1,850.00		630 28 28	\$9,450.00 \$25,900.00 \$840.00 \$1,000.00
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each bbl each each	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00 \$2.65 \$795.00	982			2	\$1,850.00		28 28 1000	\$9,450.00 \$25,900.00 \$840.00 \$1,000.00
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min) PALLETS (ea)	each bbl each each each each	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00 \$2.65 \$795.00 \$12.00	982			2	\$1,850.00		28 28 1000	\$9,450.00 \$25,900.00 \$840.00 \$1,000.00 \$4,534.26
ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each bbl each each	\$15.00 \$15.00 \$925.00 \$30.00 \$1.00 \$2.65 \$795.00	982			2	\$1,850.00		28 28 1000	\$9,450.00 \$25,900.00 \$840.00 \$1,000.00

Date	Operator			Well Name a	nd No.		Rig Name an	d No.	Report No.	
08/01/20	MAGN	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	2	48	Repo	rt #15
	DAILY	USAGE 8	k COST	·			·		CUMUI	_ATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	200		200				50	\$2,087.50
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					

OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32							7200	
OBM_D 7/21	gal	\$1.32							7402	
DIESEL DELIVERY 7/22/20	gal	\$1.35							7402	\$9,992.70
DIESEL DELIVERY 7/24/20	gal	\$1.35							7402	\$9,992.70
DIESEL DELIVERY 7/27/20	gal	\$1.36	5772		3162	2610	\$3,549.60		4239	\$5,765.04
DIESEL DELIVERY 7/28/20	gal	\$1.40	7200		7200					
DIESEL DELIVERY 7/31/20	gal	\$1.36		7498	7498					
					Daily S	ub-Total \$3	3,549.60		\$68,2	17.58
	Cumı	ılative Total	AES & 3rd	Party \$168	,854.29					

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name: MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4								
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370							
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370								
	Footage Drilled		4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	_	_	_		_	-	-	_
,	New Hole Vol.	_	472	237	_	-	11	83	2	16	1	23	73	61	_	_	_	_	-	_	-	_
000	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097
12	Chemical Additions	2,010	19	5	-	2,1-10	2,700	16	-	-	-	0,2.0	1	-	0,001	0,007	0,001	0,001	0,001	0,001	0,001	0,00
	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33									
	Barite Increase		313	47	-	-	-	-	-	18	17	14	22									
	Weighted Mud Added		468	41				-		632	231		142									
			468		-	-	-	-	455			-		-								
-	Slurry Added				-	-	-	-	-	-	-	-	-	-								
	Water Added		5	16	-	-	20	70	24	-	-	-	-	-								
4	Added for Washout			4	-	-	-	-	-	-	-	-	-	-								
3,359	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	-	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-	-	-								
	Formation Loss		<u> </u>	15	-	_		150	319	263	209	120	63	152								
, -	Mud Loss to Cuttings		330	237	_	_	11	85	1	17	1	-	-	-								
	Unrecoverable Volume		330	201			116	00		- ''			_									
			40	45	40			-	-	-	-		-									
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-									
2,329	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
3,097	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097
36	Mud Recovered		36																			
				C	omment	c.						omment	e <i>-</i>					C	omment	٠.		
					Omment.	<i>.</i>						Omment	<i>3.</i>						Omment	<i>3.</i>		
		7/20/20	Skid Volur and Test.	ne 2093bbl	s + 255bbls	s left in cas	ing. Skidd	ing/ NU	7/27/20	POOH to d	change out	BHA. TIH	and resume	e drilling.		8/3/20						
3,996		7/21/20	Rec. 432b Evap-20.6	bls from Ne									k on botton		working	8/4/20						
0,000		.,21,20	35.7bbls						7720720	properly.	Trouble sho	oot same at	t time of rep	oort.		0/4/20						
		7/22/20		Cutting 23 d Seepage		p 25bbls, (Cent 15bbls	s,Pits		TIH back to change ou			ing, pressu	re spike up	. POOH to	8/5/20						
		7/23/20 Running Casing in the hole.							7/30/20		ck side. P		ing, with fre			8/6/20						
		7/24/20 Test bop's and pick up BHA and 4.5" DP.							7/31/20		ith 2ppb Τι		for drilling. 2% EvoLub			8/7/20						
		7/25/20	TIH resum	e drilling or	n curve sec	tion.							for drilling. Pump as re		eps,	8/8/20						
		7/26/20		ded, Drill on fresh wate		12342' (Los	st returns). I	Drillng	8/2/20							8/9/20						

OUTSOURCE FLUID SOLUTIONS LLC.

83.3°

10,501' TVD

	NOLIA (OIL & (GAS		TERSO	ON		Block	N		rt Date /10/20	24 hr f	1,471 ft	t		th ,841	l ft
Well Name and No.	TZ OL	UNIT 3	RH	Rig Name an	d No. 248		State TF	EXAS		Spud Date	/09/20	Currer	82 ft/hr		ctivity	00	н
Report for				Report for			Field / OCS-G #			Fluid Type		Circula	ating Rate		irculating		
JIM HAR	RISON/	JAME	S DYER	То	ol Pus	her	GID	DIGNS		V	VBM		0 gpm			ps	i
	MUD	PROPE	RTY SPECIF	CATIONS	3		MUD VO	LUME (B	BL)	PU	JMP #1		PUMP #2		RISER	вос	OSTER
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits	25	66 bbl	Liner Siz	e 5.2	5 Line	r Size 5	.25 L	iner Siz	ze	
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole	73	31 bbl	Stroke	12	Str	oke ´	12	Stroke		
				8/2/20		8/1/20	Active	67	78 bbl	bbl/stk	0.07	63 bb	l/stk 0.0	0763	bbl/stk	. (0.0000
Time Sample	Taken			2:00		13:00	Storage	<u> 19</u>	78 bbl	stk/min	0	stk	/min	0	stk/mir	1	
Sample Locati	on			suction		suction	Tot. on Loc	cation 29	65 bbl	gal/min	0	gal	/min	0	gal/mir	1	0
Flowline Temp	erature °F	=						PHHP = 0	0		CIRCULA	TION DA	TA	r	n = 0.4°	15 K	= 114.973
Depth (ft)				17,841'		17,308'	Bit D	Depth = 11	1,000 '		Washo	ut = 1%		Pump E	fficiend	y = 9)5%
Mud Weight (p	ppg)			8.4		8.4	Drill String	Volum	e to Bit	134.2 bb	ol Stro	kes To Bit		Ti	me To	Bit	
Funnel Vis (se	c/qt)		@ 90 °F	27		27	Disp.	Bottoms	Up Vol.	287.4 bk	ol Botton	nsUp Stks		Bottom	sUp Tir	ne	
600 rpm				4		4	82.9 bbl	TotalC	irc.Vol.	677.6 bk	ol Tota	alCirc.Stks		Total (Circ. Tir	ne	
300 rpm				3		3	-	DRILLIN	IG ASS	SEMBLY [DATA		S	OLIDS	CONT	ROL	
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.) L	_ength	Тор	Unit		Screen	s	Hours
100 rpm				1		1	Drill Pipe	4.500	3.	826	8,252'	0'	Shake	r 1	170		
6 rpm				1		1	Agitatior	5.000	3.	000	35'	8,252'	Shake	r 2	170		
3 rpm				1		1	Drill Pipe	4.500	2.	500	2,593'	8,287'	Shake	r 3	170		
Plastic Viscosi	ity (cp)		@ 120 °F	1		1	Dir. BHA	5.000	2.	688	120'	10,880'					
Yield Point (lb/	/100 ft²)		T0 = 1	2		2		CASI	NG & H	HOLE DA	TA		-				
Gel Strength (lb/100 ft²)	10	0 sec/10 min	1/2		1/2	Casing	OD (in.)	ID	(in.)	Depth	Тор	Centrifu	ge 1			
Gel Strength (lb/100 ft ²)		30 min	2		2	Riser						VOLUN	ME ACC	OUNT	NG (bbls)
API Filtrate / C	Cake Thick	ness		25/1		25/1	Surface	10 3/4		:	2,769'	0'	Prev.	Total on	Location	on	3096.8
HTHP Filtrate	/ Cake Th	ickness	@ 0 °F				Int. Csg.	7 5/8	6.	875 1	0,239'	0'	Transfe	erred In((+)/Out	(-)	147.0
Retort Solids (Content			0.5%		0.5%	Washout 1							Oil A	dded (+)	0.0
Retort Oil Con	tent			1%		1%	Washout 2							Barite A	dded (+)	0.0
Retort Water (Content			98.5%		98.5%	Oper	n Hole Size	e 6.	818 1	7,841'		Other P	roduct L	Jsage (+)	0.2
Sand Content				0.5%		0%	ANI	NULAR G	EOME	TRY & RF	HEOLOG	1		Water A	dded (+)	
M.B.T. (Methy	lene Blue	Capacity	/) (ppb)				annular	r n	neas.	velocity	/ flow	ECD	Le	eft on Cu	uttings	(-)	0.0
pН				8.4		8.4	section		lepth	ft/min	reg	lb/gal	Pur	mped Do	own Ho	le	-279.5
Alkalinity, Mud	l Pm			0.1		0.1							-				
Alkalinities, Fil	trate Pf/M	f		0.1/0.2		0.1/0.2	6.875x4.	.5 8	,252'	0.0	lam	8.40	Est.	Total on	Location	on	2964.6
Chlorides (mg/	/L)			400		500	6.875x5	5 8	,287'	0.0	lam	8.40	Est. Los	ses/Gai	ns (-)/(+)	0.0
Calcium (ppm))			40		80	6.875x4.	.5 10),239'	0.0	lam	8.40	BIT	HYDRA	ULICS	DAT	ГА
Excess Lime (lb/bbl)						6.818x4.	.5 10),880'	0.0	lam	8.40	Bit H.S.I.	Bit Δ	P No	zzles	s (32nds)
Average Spec	ific Gravity	y of Solid	ds	2.60	2.60	2.60	6.818x5	5 11	1,000'	0.0	lam	8.40	0.00	ps	i 1	6 1	16 16
Percent Low G	Gravity Sol	ids		0.5%		0.5%							Bit Impact	Nozz		6 1	16 16
Percent Drill S	Solids			0.5%		0.5%							Force	Veloc (ft/se		\dagger	+
PPA Spurt / To	otal (ml) @	0	@ 0 °F				BIT D	ATA	Ma	anuf./Type	HALLIE	3 GTD64M	0 lbs	0		\dagger	+
Estimated Total	al LCM in	System	ppb				Size	Depth In	n Ho	ours F	ootage	ROP ft/hr	Motor/M	WD (Calc. C	irc. P	ressure
Sample Taker	Sample Taken By					M Washburn	6 3/4	12,821 f	t 7	5.0 5	5,469 ft	72.9	2,240	psi			
Remarks/Reco						I	Ria Activity:	L					1				

OBM RECEIVED:4,387bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--1,978bbls (Storage)--- 460bbls (Active)

TOTAL OBM ON SURFACE = 2438BBLS

\$15 (9#-130bbl / 13.5#-398bbl) \$65(9#-970bbl / 13.5# 480bbl)

OBM GAIN/LOSS---(Daily -280) Total (-1433bbls)

Rig Activity:

Drilled to TD 17,841' MD. Using Fresh water water as the primary circulating median, Pump 3 x 20bbls OBM for sweeps (10.5ppg) Push last sweep out of bit and start Wash & Ream up to 12,291', Pumping 20bbls every 1000' of DP Pulled out of hole. At this depth start POOH conventional way, Fill up back side with OBM as POOH. Casing pressure 0 psi. Maintain 17ppg Kill mud in designated pit, to pump on back side if necessary. At time of report, Continue POOH passing 10668'. 0psi on Casing.

1 1	1	1	1	1	1	U	U	validity o	f this inform	ation, and this is a re			TY CHARGES	\$14.844.45	\$183.698.74
W P	Y	g	G	р	A	S	С	carefully	and may be		elects, however,	, no representation	as been prepared on is made as to the	\$6,416.93	\$107,053.64
Phone:	36	61-94	5-577	77	Ph	one:	956-8	321-9994	Phone:	432-686-7361	Phone:	-			
Eng. 1:	Mil	ke Wa	ashbı	ırn	Er	ng. 2:	Adolf	o Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost

Date 08/02/20	Operator MAG I	NOLIA OIL		Well Name a	ind No. TZ OL UNI T	Г ЗН	Rig Name an	Report No. Repo	rt #16
	DAILY	USAGE 8	COST						LATIVE
	DAILI	I			Clasina	Doily	1		
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	58		58			27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36	88		88				
EVO-LUBE	gal	\$14.00	650		650			325	\$4,550.00
NEW GEL (PREMIUM)	100# sk	\$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	\$162.83	20		20				
CACL2 (50)	50# sk	\$14.32	84		84			140	\$2,004.80
LIME (50)	50# sk	\$5.00	175		175			175	\$875.00
OPTI - G	50# sk	\$30.59	76		76			84	\$2,569.56
BENTONE 38 (50)	50# sk	\$163.94	20		19	1	\$163.94	5	\$819.70
BENTONE 910 (50)	50# sk	\$59.40	55		54	1	\$59.40	12	\$712.80
BENTONE 990 (50)	50# sk	\$83.59	36		35	1	\$83.59	11	\$919.49
OPTI - MUL	gal	\$10.75	400		400			225	\$2,418.75
OPTI - WET	gal	\$8.34	550		550			165	
NEW PHALT	50# sk	\$38.72	97		97			53	\$2,052.16
OIL SORB (25)	25# sk	\$4.75	18		18				
NEW CARE (A.)		*- -							*
NEW CARB (M)	50# sk	\$5.25	88		88			32	\$168.00
CYBERSEAL	25# sk	\$21.47	180		180			47	¢4 240 25
MAGMAFIBER F (25) MAGMAFIBER R (30)	25# sk 30# sk	\$28.05 \$28.05	47 78		47 78			47	\$1,318.35
VARISEAL	50# sk	\$26.50	50		50				
FIBER PLUG	30# sk	\$30.37	30		30			15	\$455.55
DYNAFIBER (M)	25# sk	\$53.67	120		120			10	ψ 100.00
DITATIBLE (W)	20# 310	ψ00.01	120		120				
NEW WATE (SACK BARITE)	100# sk	\$11.50	104		104			56	\$644.00
BARITE BULK (100)	100# sk	\$7.00	950		950			1642	\$11,494.00
OPTI DRILL (OBM)	bbl	\$65.00	2120		2120			390	\$25,350.00
DISCOUNTED OBM	bbl	\$15.00	830	147	697	280	\$4,200.00	910	\$13,650.00
		4.0.00					V 1,=00100		****
							İ		
									000
ENGINEERING (24 HR)	each	\$925.00					\$1,850.00		\$27,750.00
ENGINEERING (DIEM)	bbl	\$30.00				2 2		30	\$900.00
									\$900.00
ENGINEERING (DIEM)	bbl	\$30.00						30	\$900.00
ENGINEERING (DIEM)	bbl	\$30.00						30	\$900.00
ENGINEERING (DIEM) ENGINEERING (MILES)	bbl each	\$30.00 \$1.00						30 1000	\$900.00 \$1,000.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt)	bbl each	\$30.00 \$1.00 \$2.65						30	\$900.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each each	\$30.00 \$1.00 \$2.65 \$795.00						1000 1711	\$900.00 \$1,000.00 \$4,534.26
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min) PALLETS (ea)	bbl each	\$30.00 \$1.00 \$2.65						30 1000	\$900.00 \$1,000.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each each each each	\$30.00 \$1.00 \$2.65 \$795.00 \$12.00	ub-Total \$6					1711 12	\$900.00 \$1,000.00 \$4,534.26

Date	Operator			Well Name a	ınd No.		Rig Name an	d No.	Report No.	
08/02/20	MAGI	NOLIA OIL	& GAS	DIE	TZ OL UNI	T 3H	24	48	Repo	rt #16
	DAILY	USAGE 8	k COST				·		СПМП	LATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	200		200				50	\$2,087.50
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
TONDO GILINI STINGLAL	25# 58	ψ41.73	30		30					
OBM D	gal	\$1.36								
	gai	ψ1.00								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32							7200	\$9,504.00
OBM_D 7/21	gal	\$1.32							7402	\$9,770.64
DIESEL DELIVERY 7/22/20	gal	\$1.35							7402	\$9,992.70
DIESEL DELIVERY 7/24/20	gal	\$1.35							7402	
DIESEL DELIVERY 7/27/20	gal	\$1.36	3162			3162			7401	\$10,065.36
DIESEL DELIVERY 7/28/20	gal	\$1.40	7200		4252	2948	\$4,127.20		2948	\$4,127.20
DIESEL DELIVERY 7/31/20	gal	\$1.36	7498		7498					
		<u> </u>		<u>I</u>	Doile C	ub Total &	2 427 F2		\$70.0	45.10
					Daily S	ub-Total \$8	0,427.52		\$76,6	45.10
	1					 1				
	Cumu	ılative Total	AES & 3rd	Party \$183	,698.74					
1						I				

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name: MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIET

					WEEK 1							WEEK 2							WEEK 3			
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4							
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841						
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841							
	Footage Drilled		4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	1,471	_	-		-		-	-
,	New Hole Vol.	-	472	237		_	11	83	2	16	1	23	73	61	65		_	_				_
1,040	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,964	2,964	2,964	2,964	2,964	2,96
42	Chemical Additions	2,540		,		,		,	2,007			,				2,304	2,304	2,304	2,304	2,304	2,304	2,30
	Base Fluid Added		19 315	5 235	29	37	- 77	16 109	60	119	108	- 11	33	-	-							
	Barite Increase	+	313	47	- 29	-	- ''	109	-	18	17	14	22									
	Weighted Mud Added		468	47		-		_	455	632	231	-	142	-	147							
2,013	Slurry Added		400		<u> </u>	-	-	-	400	-	-	-	-	-	-							
	Water Added		5	16		-	20	70	24	-	-	-	-									
	Added for Washout	+		4		_	-	-		-	-	_										
	Total Additions	_	807	307	29	37	97	195	538	769	356	25	198	_	147	_		_			_	
		-					91						190	-		-	-	-		-	-	-
	Surface Losses		31	40	-	-		18	1	-	-	-	-	-	-							
	Formation Loss	-	000	15	-	-	44	150	319	263	209	120	63	152	280							
682	<u> </u>	_	330	237	-	-	11	85	1	17	1	-	-	-	-							
156		-	40	45	40	-	116	-	-	-	-	-	-	-	-							
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-	-							
2,609	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	280	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
2,964	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,96
36	Mud Recovered		36																			
				С	omment	s:					С	omment	s:					C	omment	s <i>:</i>		
		7/20/20	Skid Volur and Test.	ne 2093bbl	s + 255bbl	s left in cas	ing. Skidd	ing/ NU	7/27/20	POOH to d	change out	BHA. TIH	and resum	e drilling.		8/3/20						
4,143		7/21/20		bls from Ne									ck on bottor t time of rep	n MWD not	working	8/4/20						
	_							s,Pits	7/29/20	TIH back t change ou	o bottom, r t Mud Moto	esume drill or and bit.	ing, pressu	re spike up	. POOH to	8/5/20						
		7/23/20	Running C	casing in the	e hole.				7/30/20		ck side. P			esh water a sweep ever		8/6/20						
		7/24/20 Test bop's and pick up BHA and 4.5" DP.							7/31/20		ith 2ppb Tu			OBM swee		8/7/20						
		7/25/20 TIH resume drilling on curve section.											for drilling. Pump as re	OBM swee	eps,	8/8/20						
		7/26/20	7/26/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.										ean up Cyc	le and POC	DH, Wash	8/9/20						

10,302' TVD

OUTSOURCE FLUID SOLUTIONS LLC.

87.4°

MAGNOLIA OIL & GAS PATTERSON WASHINGTON 07/10/20 0 ft 17,841 ft Well Name and No Name and No **DIETZ OL UNIT 3H** 248 **TEXAS** 07/09/20 0 ft/hr **Running Casing** Field / OCS-G # Circulating Pressure eport fo -luid Type irculating Rate JIM HARRISON/JAMES DYER **Tool Pusher GIDDIGNS WBM** 0 qpm psi MUD PROPERTY SPECIFICATIONS PUMP #1 PUMP #2 RISER BOOSTER MUD VOLUME (BBL) Weight **GELS** рΗ API fl % Solids In Pits 355 bbl Liner Size Liner Size 5.25 Liner Size 5.25 8.4-9.6 0-10 <5 <10 8.4-9 <25 2-10 In Hole 703 bbl Stroke 12 Stroke 12 Stroke 0-10 8/3/20 938 bbl 8/1/20 bbl/stk 0.0763 bbl/stk 0.0763 bbl/stk 0.0000 0 0 stk/min Time Sample Taken 2:00 13:00 Storage 1712 bbl stk/min stk/min gal/min gal/min suction Sample Location suction Tot. on Location 2770 bbl gal/min Λ 0 0 Flowline Temperature °F PHHP = 0**CIRCULATION DATA** n = 0.415 K = 114.973 Depth (ft) 17.841 17 308 Bit Depth = 15,199 ' Washout = 1% Pump Efficiency = 95% Mud Weight (ppg) 8 4 8 4 Volume to Bit 293.5 bbl Strokes To Bit Time To Bit **Drill String** Disp. Funnel Vis (sec/qt) @ 90 °F 27 27 Bottoms Up Vol. 289.9 bbl BottomsUp Stks BottomsUp Time 4 4 600 rpm 110.7 bbl TotalCirc Vol. 938.4 bbl TotalCirc Stks Total Circ. Time 3 **DRILLING ASSEMBLY DATA SOLIDS CONTROL** 300 rpm 3 2 2 OD (in.) Unit Screens 200 rpm **Tubulars** ID (in.) Length Top Hours 1 1 0' Shaker 1 170 100 rpm 5.500 4.670 6,884 Casing 1 5.000 4.276 8,315' 6,884' Shaker 2 170 Casing 6 rpm 1 1 15,199' Shaker 3 170 3 rpm 15.199 Plastic Viscosity (cp) Yield Point (lb/100 ft²) T0 = 2 2 **CASING & HOLE DATA** 1/2 1/2 ID (in.) Gel Strength (lb/100 ft²) 10 sec/10 min Casing OD (in.) Depth Top Centrifuge 1 30 min 2 2 **VOLUME ACCOUNTING (bbls)** Riser Gel Strength (lb/100 ft2) 25/1 25/1 Surface 10 3/4 2.769' 0' 2964.5 API Filtrate / Cake Thickness Prev. Total on Location HTHP Filtrate / Cake Thickness @ 0 °F Int. Csg. 7 5/8 6.875 10,239' 0' Transferred In(+)/Out(-) Retort Solids Content 0.5% 0.5% Washout 1 Oil Added (+) 0.0 Retort Oil Content 1% 1% Washout 2 Barite Added (+) 17.4 Retort Water Content 98.5% 98.5% Open Hole Size 6.818 17.841 Other Product Usage (+) 0.0 **ANNULAR GEOMETRY & RHEOLOGY** 0.5% 0% Sand Content Water Added (+) M.B.T. (Methylene Blue Capacity) (ppb) Left on Cuttings (-) 0.0 annular meas velocity flow ECD section depth ft/min reg lb/gal 8.4 Pumped Down Hole -212.2 8.4 Ha 0.1 0.1 Alkalinity, Mud Pm Alkalinities, Filtrate Pf/Mf 0.1/0.2 0.1/0.2 6.875x5.5 6,884' 0.0 8.40 2769.7 lam Est. Total on Location 6.875x5 400 500 10,239 0.0 lam 8.40 Est. Losses/Gains (-)/(+) 0.0 Chlorides (mg/L) 6.818x5 **BIT HYDRAULICS DATA** Calcium (ppm) 40 80 15,199' 0.0 lam 8.40 Bit H.S.I. Excess Lime (lb/bbl) Βίτ ΔΡ Nozzles (32nds) 2.60 Average Specific Gravity of Solids 2.60 2.60 0.5% 0.5% Nozzle Percent Low Gravity Solids Bit Impact Velocity Force Percent Drill Solids 0.5% 0.5% (ft/sec) PPA Spurt / Total (ml) @ @ 0 °F **BIT DATA** Manuf./Type ROP ft/hr Estimated Total LCM in System ppb Size Depth In Hours Footage Motor/MWD Calc. Circ. Pressure Sample Taken By A. Romai M Washburi 6 3/4 Remarks/Recommendations: Rig Activity:

OBM RECEIVED:4,387bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--1,900bbls (Storage)--- 480bbls (Active)

TOTAL OBM ON SURFACE = 2438BBLS

\$15 (9#- 50bbl / 13.5#-400bbl) \$65(9#-970bbl / 13.5# 480bbl)

OBM GAIN/LOSS---(Daily -212) Total (-1645bbls)

POOH and lay down Directional tools. Fill up well on back side with OBM, transfer from Frack tanks to maintain Volume. Pumped 235bbls while POOH. Pick up and rig up Casing running tools, start running production casing 5" & 5.5" @14:00hrs. Fill up Casing after 6000' with fresh water and every 1000' pass 6000'. No Casing pressure and no displacement from casing run at this time. At time of report, continue running casing passing 15339'.

E	ng. 1:	Mi	ke W	ashbu	urn	Er	ng. 2:	Adolf	o Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Р	hone:	30	61-94	5-577	77	Pł	none:	956-8	321-9994	Phone:	432-686-7361	Phone:	-			
W 1	P 1	Y 1	g 1	G 1	р 1	A 1	S 0	C 0	carefully	and may be		so elects, however	, no representati	nas been prepared on is made as to the	\$4,110.00	\$111,163.64
												INCLUD	NG 3RD PAR	TY CHARGES	\$4,768.00	\$188,466.74

Date 08/03/20	Operator MAGI	NOLIA OIL		Well Name a	na No. <mark>FZ OL UNIT</mark>	3H	Rig Name ar	48	Report No. Repo	rt #17
		USAGE 8					•			LATIVE
			Previous		Closing	Daily	L		Cum	
Item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cost
SAPP (50)	50# sk	\$44.56			58				27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36			88					
EVO-LUBE	gal	\$14.00			650				325	\$4,550.00
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75 \$162.83	70 20		70 20					
ALUMINUM TRISTEARATE	25# SK	\$102.03	20		20					
								-		
CACL2 (50)	50# sk	\$14.32	84		84			-	140	\$2,004.80
LIME (50)	50# sk	\$5.00	175		175				175	\$875.00
OPTI - G	50# sk	\$30.59	76		76				84	\$2,569.56
BENTONE 38 (50)	50# sk	\$163.94	19		19				5	\$819.70
BENTONE 910 (50)	50# sk	\$59.40	54		54				12	
BENTONE 990 (50)	50# sk	\$83.59	35		35				11	\$919.49
OPTI - MUL	gal	\$10.75	400		400				225	
OPTI - WET	gal	\$8.34	550		550			-	165	
NEW PHALT OIL SORB (25)	50# sk 25# sk	\$38.72 \$4.75	97 18		97 18				53	\$2,052.16
SIL SOND (23)	25# SK	φ4.73	10		10					
NEW CARR (A)	50	A- 2-						1		0102.5
NEW CARB (M)	50# sk	\$5.25 \$21.47			88			-	32	\$168.00
CYBERSEAL MAGMAFIBER F (25)	25# sk 25# sk	\$21.47 \$28.05	180 47		180 47			1	47	\$1,318.35
MAGMAFIBER F (25) MAGMAFIBER R (30)	25# sk 30# sk	\$28.05 \$28.05	78		78			1	47	φι,318.35
WAGMAFIBER R (30) VARISEAL	30# sk	\$28.05 \$26.50			78 50					
FIBER PLUG	30# sk	\$30.37	50		30		<u> </u>	1	15	\$455.55
DYNAFIBER (M)	25# sk	\$53.67	120		120			1	13	ψ 100.0c
· · ·	2.2.							1		
								-	<u> </u>	
								1		
								1		
NEW WATE (SACK BARITE)	100# sk	\$11.50	104		104				56	\$644.00
BARITE BULK (100)	100# sk	\$7.00	950		700	250	\$1,750.00	1		\$13,244.00
V /	122 0.1	Ţ	300				. , 23.00	1	1302	,
								1		
]		
							1		<u> </u>	
								-		
		1						1	<u> </u>	
								1		
								-		
OPTI DRILL (OBM)	bbl	\$65.00	2120		2120				390	\$25,350.00
DISCOUNTED OBM	bbl	\$15.00	697		697			1	910	\$13,650.00
]		
							<u>L</u>	}		
						-		-		
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00	1	32	\$29,600.00
ENGINEERING (DIEM)	bbl	\$30.00				2		-1	32	
ENGINEERING (MILES)	each	\$1.00				450		1	1450	
								_		
								† -		
EDITOR/INC (A)	each	\$2.65					<u> </u>	1	1711	\$4,534.26
	each	\$705.00								
FRUCKING (min)	each each	\$795.00 \$12.00						-	12	\$144 00
TRUCKING (cwt) TRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)	each each each	\$795.00 \$12.00 \$12.00							12	\$144.00 \$144.00

Date	Operator			Well Name a	ınd No.		Rig Name an	d No.	Report No.	
08/03/20	MAGI	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	24			rt #17
	DAILY	USAGE 8	& COST						СПМП	LATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	200		200				50	\$2,087.50
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							15750	\$21,105.00
OBM_D 7/20	gal	\$1.32							7200	\$9,504.00
OBM_D 7/21	gal	\$1.32							7402	\$9,770.64
DIESEL DELIVERY 7/22/20	gal	\$1.35							7402	\$9,992.70
DIESEL DELIVERY 7/24/20	gal	\$1.35							7402	\$9,992.70
DIESEL DELIVERY 7/27/20	gal	\$1.36							7401	\$10,065.36
DIESEL DELIVERY 7/28/20	gal	\$1.40	4252		3782	470	\$658.00			\$4,785.20
DIESEL DELIVERY 7/31/20	gal	\$1.36	7498		7498					
								ſ		
	ı				Daily S	Sub-Total \$	658.00		\$77,3	03.10
	<u> </u>									
	Cumu	ılative Tota	I AES & 3rd	Party \$188	3,466.74					

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name: Well Name: MAGNOLIA OIL & GAS

ne: 248

					WEEK 1							WEEK 2							WEEK 3				
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20	
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4							
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841						
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841							
	Footage Drilled	-	4,982	2,498		-	253	1,880	45	369	25	523	1,639	1,387	1,471	-	-	-	_		-	-	
,	New Hole Vol.	-	472	237		-	11	83	2	16	1	23	73	61	65	_	-	_	_	_		_	
1,010	Starting System Volume	2,348		2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,770	2,770	2,770	2,770	2,770	
42	Chemical Additions	,	19	5		-	-	16	-	-	-	-	1	-	-	-	, -	, -	, -	, -	, -	, -	
	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33	-	-	-							
136				47	-	-	-	-	-	18	17	14	22	-	-	17							
	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142	-	147	-							
· -	Slurry Added				-	-	-	-	-	-	-	-	-	-	-	-							
135	Water Added		5	16	-	-	20	70	24	-	-	-	-	-	-	-							
4	Added for Washout			4	-	-	-	-	-	-	-	-	-	-		-							
3,523	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	147	17	-	-	-	-	-	-	
,	Surface Losses		31	40	_	-		18	1	-	-	-	-	-	-	-							
1.784			<u> </u>	15	_	-		150	319	263	209	120	63	152	280	212							
682			330	237	_	-	11	85	1	17	1	-	-	-	-	-							
156	· · · · · · · · · · · · · · · · · · ·				40	-	116	-	-	-	-	-	-	-	-	-							
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-	-	-							
2.822	Total Losses	_	379	307	56	26	142	273	321	280	210	120	63	152	280	212	-	-	_	-	-	-	
	Mari Tarra Carra I Out						<u> </u>			000			1	<u> </u>				1					
280	Mud Transferred Out									280													
2,770	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,770	2,770	2,770	2,770	2,770	2,770	
36	Mud Recovered		36																				
	•			С	omment	s:					С	omment	s:					С	omment	s:			
		7/20/20	Skid Volur and Test.	me 2093bbl	s + 255bbl	s left in cas	sing. Skidd	ling/ NU	7/27/20	POOH to	change out	BHA. TIH	and resum	e drilling.		8/3/20		Casing, No i		up with fres	h water. N	laintain	
4,143		7/21/20		bls from Nebbls, Cent-					7/28/20		change out Trouble sho			n MWD not port.	working	8/4/20							
	_	7/22/20		o Cutting 23 d Seepage		ıp 25bbls, (Cent 15bbls	s,Pits	7/29/20		o bottom, r		ing, pressu	re spike up	. POOH to	8/5/20	/20						
		7/23/20	Running C	casing in the	e hole.				7/30/20		ick side. P			esh water a		8/6/20							
		7/24/20	Test bop's	and pick u	p BHA and	4.5" DP.			7/31/20		ith 2ppb Tu			OBM swee		8/7/20							
		7/25/20	TIH resum	ne drilling or	n curve sec	tion.			8/1/20		ead on late ith 2ppb Tu			OBM swee	eps,	8/8/20							
		7/26/20		ded, Drill or h fresh wate		12342' (Los	st returns).	Drillng	8/2/20		, 17841'. C up to 1229			le and POC rom there.	DH, Wash	8/9/20							

OUTSOURCE FLUID SOLUTIONS LLC.

0.0°

0' TVD

Operator				Contractor			County / Parish /	Block		Engineer Start	Date	24 hr fto].		Drilled	Depth	
MAGI	NOLIA (OIL & G	SAS	PAT	TERS	NC	WASH	HINGTO	N	07/1	0/20		0 ft			17,8	41 ft
Well Name and No.				Rig Name ar			State			Spud Date		Current			Activity		
DIE Report for	TZ OL	UNIT 3	H	Report for	248		TI Field / OCS-G #	EXAS		07/0 Fluid Type	9/20	Circulat	0 ft/h	r ——	Circula	W(
JIM HAR	RISON/	JAMES	DYER		ol Pus	her		DIGNS			вм		0 gpn	1		-	si
	MUD	PROPER	TY SPECIF	ICATION	s		MUD VO	LUME (B	BL)	PUN	/IP #1		PUMP#	2	RIS	ER B	OOSTER
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits	87	77 bbl	Liner Size	5.25	Liner	Size	5.25	Liner	Size	
8.4-9.6	0-10	0-10	<5 <10	8.4-9	<25	2-10	In Hole	. () bbl	Stroke	12	Stro	ke	12	Stro	oke	
			.1	8/3/20		8/3/20	Active	87	77 bbl	bbl/stk	0.0763	bbl/	stk 0	.0763	bbl	/stk	0.0000
Time Sample	Taken			2:00		11:00	Storage	e <u>14</u>	65 bbl	stk/min	0	stk/i	min	0	stk/	min	
Sample Locati	on			suction		suction	Tot. on Lo	cation 23	42 bbl	gal/min	0	gal/i	min	0	gal/	min	0
Flowline Temp	erature °F	-						PHHP =	0	С	IRCULATION	ON DA	ТА		n = 0).415	K = 114.973
Depth (ft)				17,841'		17,841'					Washout =	= 1%		Pump	Effici	ency =	= 95%
Mud Weight (p	ppg)			8.4		8.4	Drill String	Volum	ne to Bit	0.0 bbl	Strokes	s To Bit			Time ⁻	To Bit	
Funnel Vis (se	c/qt)		@ 90 °F	27		27	Disp.	Bottoms	Up Vol.	0.0 bbl	BottomsU	Jp Stks		Botto	omsUp	Time	
600 rpm				4		4	0.0 bbl	TotalC	Circ.Vol.	877.0 bbl	TotalCi	rc.Stks		Tota	al Circ.	Time	
300 rpm				3		3		DRILLIN	NG ASS	SEMBLY D	ATA			SOLID	s co	NTRO	L
200 rpm				2		2	Tubulars	OD (in.)	ID	(in.) Le	ength -	Гор	Un	nit	Scre	ens	Hours
100 rpm				1		1					0'	0'	Shak	er 1	17	70	
6 rpm				1		1						0'	Shak	er 2	17	70	
3 rpm				1		1						0'	Shak	er 3	17	70	
Plastic Viscos	ity (cp)		@ 120 °F	1		1						0'					
Yield Point (lb.	/100 ft²)		T0 = 1	2		2		CASI	NG & I	HOLE DAT	4						
Gel Strength (lb/100 ft²)	10	sec/10 min	1/2		1/2	Casing	OD (in.)	ID	(in.) D	epth -	Гор	Centrif	uge 1			
Gel Strength (lb/100 ft ²)		30 min	2		2	Riser						VOLU	JME AC	ccoui	NTING	6 (bbls)
API Filtrate / C	ake Thick	ness		25/1		25/1	Surface	10 3/4		2,	769'	0'	Prev.	Total	on Loc	ation	2769.7
HTHP Filtrate	/ Cake Th	ickness	@ 0 °F				Int. Csg.	7 5/8		10	,239'	0'	Trans	sferred	In(+)/C	Out(-)	
Retort Solids (Content			0.5%		0.5%	Prod.	5 1/2		9	517'	0'		Oi	I Adde	ed (+)	44.8
Retort Oil Con	tent			1%		1%	Prod.	5		17	,832' 8	,315'		Barite	e Adde	ed (+)	0.0
Retort Water (Content			98.5%		98.5%	Oper	n Hole Siz	e 0.	000 17	,841'		Other	Produc	t Usag	je (+)	0.0
Sand Content				0.5%		0%	AN	NULAR G	EOME	TRY & RHI	OLOGY			Wate	r Adde	ed (+)	
M.B.T. (Methy	lene Blue	Capacity)	(ppb)				annula	r m	neas.	velocity	1 1	CD	I	_eft on	Cutting	gs (-)	0.0
рН				8.4		8.4	section	n d	lepth	ft/min	reg lb	o/gal	P	umped	Down	Hole	
Alkalinity, Muc	l Pm			0.1		0.1								Lost	Returi	ns (-)	-472.5
Alkalinities, Fil	trate Pf/M	f		0.1/0.2		0.1/0.2							Est.	Total	on Loc	ation	2342.0
Chlorides (mg	/L)			400		500							Est. Lo	osses/C	ains (-)/(+)	0.0
Calcium (ppm))			40		80							ВІ	T HYD	RAULI	ICS D	ATA
Excess Lime (lb/bbl)												Bit H.S.	I. Bit	tΔP	Nozzl	es (32nds)
Average Spec	ific Gravity	of Solids	3	2.60	2.60	2.60											
Percent Low 0	Gravity Sol	ids		0.5%		0.5%							Bit Impa	∩† I	zzle ocity		
Percent Drill S	olids			0.5%		0.5%							Force		sec)		
PPA Spurt / To	otal (ml)	9	@ 0 °F				BIT D	ATA	Ma	anuf./Type							
Estimated Tot	al LCM in	System	ppb				Size	Depth Ir	n Ho	ours Fo	otage RO	P ft/hr	Motor/	MWD	Calc	. Circ.	Pressure
Sample Taker	Ву			A. Roman		M Washburn											
Remarks/Reco	mmendatio	ons:					Rig Activity:										

OBM RECEIVED:4,387bbls / OBM RETURNED: -280bbls

OBM ON SURFACE-- 1465bbls (Storage)--- 877bbls (Active)

TOTAL OBM ON SURFACE = 2,342BBLS

\$15 (17# 51 bbl / 13.5# 245bbl) \$65(9# 710bbl / 13.5# 459bbl)

OBM GAIN/LOSS---(Daily -475) Total (-2120bbls)

Production casing on bottom @10:00am. Wash down casing from 15,900' to TD due to resistance encounter from this depth to bottom. With Casing on bottom Pump casing capacity with fresh water and start cementing operations. Pumping down cement and displace same with no returns at any time. Bump plug with calculated displacement. WOC 24hrs. Fill up Active system with OBM from storage, condition and decrease MW to 9ppg. Trasnfer Discounted mud to slug tanks and cut back to 10ppg. Will fill up on back side once well open. and find top of cement, depending on top of cement a possible Second Stage Cement job will be performed. At time of report, WOC.

Е	ng. 1:	ı	Matt N	/lehai	n	Er	ng. 2:	Adolf	Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
-	P 1		85-35 g 1					956-8 C 0	carefully	and may be		elects, however,	no representati	nas been prepared on is made as to the	\$22,885.00	\$134,048.64
												INCLUDI	NG 3RD PAR	TY CHARGES	\$25,517.00	\$213,983.74

NAME CASE	Date 08/04/20	Operator MAG I	NOLIA OIL		Well Name a	ind No. TZ OL UNI T		Rig Name an	d No. 18	Report No. Repo	rt #18
Name		DAILY	USAGE 8	COST							
Section Sect			1			Clesing	Doily				-, ()
SAPP 600	Item	Unit	Unit Cost		Received	_		Daily Cost			Cum Cost
EVOLUTION 100 sept 150 cm	SAPP (50)	50# sk	\$44.56	58		58				27	\$1,203.12
NEW CELE PREMIUM 1004 st 511.75 70 70	PHPA LIQUID (pail)	5 gal	\$41.36	88		88					
ALLMORIAN TRISTEARATE 269 st \$162.83 20 20	EVO-LUBE	gal	\$14.00	650		650				325	\$4,550.00
CACLO (59) CACLO	NEW GEL (PREMIUM)	100# sk	\$19.75	70		70					
IMME (ID)	ALUMINUM TRISTEARATE	25# sk	\$162.83	20		20					
IMME (ID)											
IMME (ID)											
IMME (ID)											
SPIT SO SO A S00.59 70 70 70	CACL2 (50)	50# sk	\$14.32	84		84				140	\$2,004.80
SENTONE 90 (90)	, ,	50# sk	\$5.00	175						175	\$875.00
BENTONE 901 (50) 509 sk										_	
BENTONE 990 (50)										-	
OPTI-MIL 98 S10.75 400 400 400 500 500 500 500 500 500 50										-	
OPTI WET 98 834 500 500 500 1 100 100 100 100 100 100 1										—	
NEW PARALT										-	
OIL SORD (25)										-	
NEW CARB (M)											Ψ2,002.10
CYBERSEAL 228 at 321.47 180 180			, -								
CYBERSEAL 228 at 321.47 180 180											
CYBERSEAL 228 at 321.47 180 180											
MAGNAHERER (25)	, ,									32	\$168.00
MAGNAHBER R (30) 30 et al. 528.05 79 78 78 78 78 78 78 78 78 78 78 78 78 78										47	\$4.040.05
VARISEAL 500 sk \$25.50 50 50 50 50 50 50 50										47	\$1,318.35
FIREER PLUG	·										
DYNAFIBER (M)				- 30		30				15	\$455.55
NEW WATE (SACK BARITE) 100# sk \$11.50 104 104 56 \$84.40 1892 \$13.244.0 100# sk \$7.00 700 700 1892 \$13.244.0 100# sk \$7.00 700 700 1892 \$13.244.0 100# sk \$7.00 700 700 1892 \$13.244.0 100# sk \$7.00 700 700 700 1892 \$13.244.0 100# sk \$7.00 700 700 700 1892 \$13.244.0 100# sk \$7.00 700 700 700 700 1892 \$13.244.0 100# sk \$7.00 700 700 700 700 1892 \$13.244.0 100# sk \$7.00 700 700 700 700 700 700 700 700 700				120		120					ψ.ισσ.ισσ
BARITE BULK (100)			400.0.								
BARITE BULK (100)											
BARITE BULK (100)											
BARITE BULK (100)											
BARITE BULK (100)											
BARITE BULK (100)											
Company Comp	NEW WATE (SACK BARITE)	100# sk	\$11.50	104		104				56	\$644.00
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00	BARITE BULK (100)	100# sk	\$7.00	700		700				1892	\$13,244.00
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00		<u> </u>									
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00											
DISCOUNTED OBM bbl \$15.00 697 499 198 \$2,970.00 1108 \$16,620.00	OPTI DRILL (OBM)	bbl	\$65.00	2120		1843	277	\$18,005.00		667	\$43,355.00
ENGINEERING (24 HR) each \$925.00											
ENGINEERING (DIEM) bbl \$30.00	NIPCOUNTED ORM	bbl	\$15.00	697		499	198	\$2,970.00		1108	\$16,620.00
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00					-						
ENGINEERING (DIEM) bbl \$30.00	ENGINEEDING (24 HP)		\$00F.00					¢1 050 00		24	¢21 450 00
ENGINEERING (MILES) each \$1.00 1450 \$1,450.00 1450 \$1											
TRUCKING (cwt) each \$2.65								ψυυ.υυ			
TRUCKING (min) each \$795.00 12 12 \$144.00 PALLETS (ea) each \$12.00 12 \$144.00 12 \$144.00 SHRINK WRAP (ea) each \$12.00 12 \$144.00 12 \$144.00		Cacii	ψ1.00							1430	ψ1, r00.00
TRUCKING (min) each \$795.00 12 12 \$144.00 PALLETS (ea) each \$12.00 12 \$144.00 12 \$144.00 SHRINK WRAP (ea) each \$12.00 12 \$144.00 12 \$144.00											
TRUCKING (min) each \$795.00 12 12 \$144.00 PALLETS (ea) each \$12.00 12 \$144.00 12 \$144.00 SHRINK WRAP (ea) each \$12.00 12 \$144.00 12 \$144.00											
TRUCKING (min) each \$795.00 12 12 \$144.00 PALLETS (ea) each \$12.00 12 \$144.00 12 \$144.00 SHRINK WRAP (ea) each \$12.00 12 \$144.00 12 \$144.00	TRUCKING (cwt)	each	\$2.65							1711	\$4,534.26
PALLETS (ea) each \$12.00 12 \$144.00 SHRINK WRAP (ea) each \$12.00 12 \$144.00											,
SHRINK WRAP (ea) each \$12.00 12 \$144.00										12	\$144.00
	SHRINK WRAP (ea)	each	\$12.00							12	\$144.00
							_				

Date	Operator			Well Name a	ind No.		Rig Name an	id No.	Report No.	
08/04/20	MAG	NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н	2	48	Repo	rt #18
	DAILY	USAGE 8	COST						сими	LATIVE
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	200		200				50	\$2,087.50
TURBO CHEM SYNSEAL	25# sk	\$41.75	50		50					
OBM D	gal	\$1.36								
OBM D 7/20 Skid Vol.	gal	\$1.34							-	\$21,105.00
OBM_D 7/20	gal	\$1.32								\$9,504.00
OBM_D 7/21	gal	\$1.32							7402	
DIESEL DELIVERY 7/22/20	gal	\$1.35							7402	
DIESEL DELIVERY 7/24/20	gal	\$1.35							7402	
DIESEL DELIVERY 7/27/20	gal	\$1.36							7401	\$10,065.36
DIESEL DELIVERY 7/28/20	gal	\$1.40	3782		1902	1880	\$2,632.00		5298	\$7,417.20
DIESEL DELIVERY 7/31/20	gal	\$1.36	7498		7498					
								ľ		
	-									
									-	
									-	
					Daily S	ub-Total \$2	2.632.00		\$79.0	35.10
					Duny 0	O.C.I. W	-,		Ψ, υ, υ	
	<u> </u>				1	1				
	Cumu	ılative Total	AES & 3rd	Party \$213	,983.74					
						I				
<u> </u>										

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: DIE1

					WEEK 1							WEEK 2					WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20	
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4						
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841	17,832					
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841	17,832						
	Footage Drilled	2,700	4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	1,471	-		_	_			-	
,	New Hole Vol.	-	4,962	2,496	-	-	11	83	2	16	1	23	73	61	65	-		-	-	-			
1,045	Starting System Volume	2.348	2,348	2,776	2,776	2,748	2.759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,342	2.342	2,342	2,342	2,342	
42	Chemical Additions	2,346	19	2,776	2,776	-	2,739	16	2,037	2,000	- 3,004	3,210	3,113	3,249	3,097	2,964	2,770	2,342	2,342	2,342	2,342	2,342	
	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33	-	-	-	45						
	Barite Increase		313	47	-	-	-	-	- 00	18	17	14	22	-	-	17	40						
	Weighted Mud Added		468	41				-	455	632	231	-	142	_	147	-							
-	Slurry Added		400		-	-			-	-	-		-	_	-								
	Water Added		5	16		-	20	70	24	-	-	-		-	-	-	-						
	Added for Washout		3	4			-	-	24			-	<u> </u>		— <u> </u>								
			007						-			1											
-,	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	147	17	45	-	-	-	-	-	
	Surface Losses		31	40	-	-		18	1	-	-	-	-	-	-	-	-						
_,	Formation Loss			15	-	-		150	319	263	209	120	63	152	280	212	473						
	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-	-	-	-	-						
	Unrecoverable Volume				40	-	116	-	-	-	-	-	-	-	-	-	-						
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-	-	-	-						
3,294	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	280	212	473	-	-	-	-	-	
280	Mud Transferred Out									280													
2,342	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,342	2,342	2,342	2,342	2,342	2,342	
36	Mud Recovered		36																				
				С	omment	s:					C	omment	s:					С	omment	s:			
		7/20/20	Skid Volur and Test.	me 2093bbl	s + 255bbls	s left in cas	sing. Skidd	ing/ NU	7/27/20	POOH to	change out	BHA. TIH	and resum	e drilling.		8/3/20		Casing, No i	returns, fill unk 7	up with fres	h water. N	laintain	
	1																						
4,143		7/21/20		bbls from Ne bbls, Cent-								MWD, Bac oot same a		n MWD not port.	working	8/4/20			ement with i mate top of				
	•	7/22/20		o Cutting 23 d Seepage		p 25bbls, (Cent 15bbls	,Pits			o bottom, r		ing, pressu	re spike up	. POOH to	8/5/20							
		7/23/20	Running C	Casing in the	hole.				7/30/20		ick side. P			esh water a		8/6/20							
		7/24/20	Test bop's	and pick u	o BHA and	4.5" DP.			7/31/20		rith 2ppb Tu			OBM swee		8/7/20							
		7/25/20	TIH resum	ne drilling or	n curve sec	tion.						eral. Water urbo chem.		OBM swee	eps,	8/8/20							
		7/26/20		ded, Drill on h fresh wate		12342' (Los	st returns).	Drillng				Circulate Cl		le and POC rom there.	DH, Wash	8/9/20							

Report #19 TEL: (337) 394-1078

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

0.0°

0' TVD

Operator				Contractor			County / Parish /	/ Block		Engineer Sta	art Date	24 hr f	ftg.		Drille	d Depth	
MAGI	NOLIA (OIL & G	SAS	PA	TTERSO	ON	WASH	HINGT	ON	07	/10/20		0 f	t		17,8	41 ft
Well Name and No.	T7.01	LINUT O		Rig Name ar			State	- V40		Spud Date	100100	Currer	nt ROP	0	Activi	•	2 1
Report for	TZ OL	UNII 3	H	Report for	248		Field / OCS-G #	EXAS		Fluid Type	/09/20	Circula	0 ft/			Inal H	Report
JIM HAR	RISON/	JAMES	DYER	To	ol Pusi	her	GID	DIGN	3		DBM		0 gp	m		ŗ	si
	MUD	PROPER	TY SPECIF	ICATION	S		MUD VO	LUME (BBL)	PU	JMP #1		PUMP	P #2	RI	SER B	OOSTER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits		0 bbl	Liner Siz	e 5.2	5 Line	r Size	5.25	5 Line	er Size	
9-9.7	5-15	8-11	>400	±250K	<8 <11	<8	In Hole	•	0 bbl	Stroke	12	2 Str	oke	12	St	roke	
			<u> </u>			8/5/20	Active		0 bbl	bbl/stk	0.07	63 bb	l/stk	0.076	3 bl	ol/stk	0.0000
Time Sample	Гaken					12:30	Storage	е	<u>0 bbl</u>	stk/min	0	stk	/min	0	stl	k/min	
Sample Locati	on			Suction		suction	Tot. on Lo	cation	0 bbl	gal/min	0	gal	l/min	0	ga	ıl/min	0
Flowline Temp	erature °F	=						PHHP :	= 0		CIRCUL	ATION DA	ATA		n =	0.613	K = 189.592
Depth (ft)						17,841'					Washo	out = 1%		Pu	ımp Effic	ciency :	= 95%
Mud Weight (p	pg)					9.1	Drill String	Volu	me to Bit	0.0 bbl	Stro	kes To Bit	t .		Time	To Bit	
Funnel Vis (se	c/qt)		@ 130 °F			46	Disp.	Bottom	s Up Vol.	0.0 bbl	Botto	msUp Stks	;	В	ottomsU	p Time	
600 rpm						26	0.0 bbl	Tota	Circ.Vol.	0.0 bbl	Tot	alCirc.Stks	i	-	Total Circ	. Time	
300 rpm						17		DRILL	ING ASS	SEMBLY	DATA			SOI	LIDS CO	ONTRO)L
200 rpm						14	Tubulars	OD (in	.) ID	(in.)	Length	Тор	ι	Unit	Sc	reens	Hours
100 rpm						12					0'	0'	Sha	aker 1		170	
6 rpm						6						0'	Sha	aker 2		170	
3 rpm						5						0'	Sha	aker 3		170	
Plastic Viscosi	ty (cp)		@ 150 °F			9						0'					
Yield Point (lb/	100 ft²)		T0 = 4			8		CAS	SING & I	HOLE DA	TA		1				
Gel Strength (b/100 ft²)	10	sec/10 min			6/8	Casing	OD (ir	.) ID	(in.)	Depth	Тор	Cent	trifuge	1		
Gel Strength (b/100 ft ²)		30 min			11	Riser						VOI	LUME	ACCOL	JNTING	G (bbls)
HTHP Filtrate		in)	@ 300 °F			7.2	Surface	10 3/4	1		2,769'	0'	Pre	ev. Tot	al on Lo	cation	2342.0
HTHP Cake T	hickness ((32nds)				2.0	Int. Csg.	7 5/8		1	10,239'	0'	Tra	ınsferr	ed In(+)	Out(-)	-2160.0
Retort Solids (Content					10%	Prod.	5 1/2			9,517'	0'			Oil Add	led (+)	0.0
Corrected Soli	ds (vol%)					8.2%	Prod.	5		1	17,832'	8,315'		Ba	arite Ado	led (+)	7.0
Retort Oil Con	tent					68%	Oper	n Hole S	ze 0.	.000 1	17,841'		Othe	er Proc	duct Usa	ige (+)	0.0
Retort Water 0	Content					22%	AN	NULAR	GEOME	TRY & RI	HEOLOG	Y		Wa	ater Ado	led (+)	
O/W Ratio						76:24	annula	r	meas.	velocity	/ flow	ECD		Left	on Cutti	ngs (-)	0.0
Whole Mud Ch	nlorides (n	ng/L)				46,000	section		depth	ft/min	reg	lb/gal		Cei	ntrifuge	losses	-69.0
Water Phase	Salinity (p	pm)				246,915								Lo	ost Retu	rns (-)	-120.0
Whole Mud Al	kalinity, P	om				1.4							E:	st. Tot	al on Lo	cation	0.0
Excess Lime (lb/bbl)					1.8 ppb							Est.	Losse	s/Gains	(-)/(+)	0.0
Electrical Stab	ility (volts))				436 v							ı	BIT H	YDRAUI	LICS D	ATA
Average Spec	fic Gravity	y of Solids	 S			2.78							Bit H.	S.I.	Bit ΔP	Nozz	les (32nds)
Percent Low G	Gravity Sol	lids				6.2%											
ppb Low Grav	ty Solids					51 ppb							Bit Imp	nact I	Nozzle		
Percent Barite						2%							Forc	·	Velocity (ft/sec)		
ppb Barite						29 ppb	BIT D	DATA	Ma	anuf./Type)				,		
Estimated Total	al LCM in	System	ppb				Size	Depth	In H	ours F	ootage	ROP ft/hr	Moto	or/MW	D Ca	c. Circ	. Pressure
Sample Taken	Ву			0	0	0											
Remarks/Reco	-	ons:		1	1	1	Rig Activity:	1		1			<u> </u>				
							l ,										

OBM TRASNFER TO PALO DURO 1H: 2160BBLS

OBM ON SURFACE-- 1429bbls (Storage)--- 731bbls (Active)

TOTAL OBM ON SURFACE = 2,160BBLS

\$15 (17# 51 bbl / 13.5# 209bbl) \$65(9# 710bbl / 13.5# 459bbl)

TOTAL OBM LOSSES: -1956BBL

Open Well up and fill up on back side with OBM 120bbls of 10ppg discounted mud. Casing pressure up to 550psi after 70bbls on back side, continue to pump 50bbls obm. Second stage Cement pumped on back side and injected down with water. Secure well and monitor pressure while rigging down Cement tools. Opsi on Casing. Nipple down and set pack off on well head. Well Secure and start operations to walk rig to next well PALO DURO 1H. THIS IS FINAL REPORT FOR THIS WELL. At the time of report: Nipple up on Palo Duro 1H. Thank you.

E	ng. 1:	ı	Matt I	Mehai	n	Er	ng. 2:	Adolf	o Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
F	hone:	98	85-35	1-756	61	Pł	none:	956-8	321-9994	Phone:	432-686-7361	Phone:	-			
W 0	P 2	Y 2	E 0	C 2	g 1	G 1	H 1	O 1	carefully	and may be	ecommendation, exp used if the user so ation, and this is a r	elects, however	, no representation	as been prepared on is made as to the	\$5,475.00	\$139,523.64
												INCLUDI	NG 3RD PAR	TY CHARGES	\$5,475.00	\$219.458.74

Date 08/05/20	Operator MAG I	NOLIA OIL		Well Name a	ind No. TZ OL UNI T	Г ЗН	Rig Name ar	nd No. 48	Report No. Repo	rt #19
	DAILY	USAGE 8	COST				I			LATIVE
	7,		Previous		Closing	Daily		1	Cum	
ltem	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	58	-58					27	\$1,203.12
PHPA LIQUID (pail)	5 gal	\$41.36	88	-88						A
EVO-LUBE	gal	\$14.00	650	-650				-	325	\$4,550.00
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75 \$162.83	70 20	-70 -20				-		
ALUMINUM TRISTEARATE	25# SK	\$102.03	20	-20				-		
								 - -		
CACL2 (50)	50# sk	\$14.32	84	-84					140	\$2,004.80
LIME (50)	50# sk	\$5.00	175	-175					175	\$875.00
OPTI - G	50# sk 50# sk	\$30.59 \$163.94	76 19	-76 -19	-				84 5	\$2,569.56 \$819.70
BENTONE 38 (50) BENTONE 910 (50)	50# sk	\$163.94	54	-19				1	12	\$712.80
BENTONE 910 (50)	50# sk	\$83.59	35	-35					11	\$919.49
OPTI - MUL	gal	\$10.75	400	-400				1	225	
OPTI - WET	gal	\$8.34	550	-550					165	
NEW PHALT	50# sk	\$38.72	97	-97					53	
OIL SORB (25)	25# sk	\$4.75	18	-18				<u> </u>		
								-		
								-		
NEW CARB (M)	50# sk	\$5.25	88	-88				-	32	\$168.00
CYBERSEAL	25# sk	\$21.47	180	-180					47	£4.040.0E
MAGMAFIBER F (25) MAGMAFIBER R (30)	25# sk 30# sk	\$28.05 \$28.05	47 78	-47 -78				-	47	\$1,318.35
VARISEAL	50# sk	\$26.50	50	-78	-					
FIBER PLUG	30# sk	\$30.37	30	30				1	15	\$455.55
DYNAFIBER (M)	25# sk	\$53.67	120	-120						ψ 100100
								-		
								-		
NEW WATE (SACK BARITE)	100# sk	\$11.50	104	-104					56	\$644.00
BARITE BULK (100)	100# sk	\$7.00	700	-600		100	\$700.00			\$13,944.00
		******					4100100		- 100-	V 10,011100
								-		
OPTI DRILL (OBM)	bbl	\$65.00	1843	-1840		3	\$195.00		670	\$43,550.00
DISCOUNTED OBM	bbl	\$15.00	499	-321		178	\$2,670.00	• •	1286	\$19,290.00
								-		
								1		
								1		
								 		
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00		36	\$33,300.00
ENGINEERING (DIEM)	bbl	\$30.00				2		1		\$1,080.00
ENGINEERING (MILES)	each	\$1.00							1450	
·]		
								 -		
TRUCKING (out)	00 ala	ውን ሳር							4744	CA E34 34
. ,	each	\$2.65 \$795.00							1711	\$4,534.26
TRUCKING (min)	each	\$795.00						<u>-</u>		
TRUCKING (cwt) TRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)									1711	\$4,534.26 \$144.00 \$144.00

Date	Operator			Well Name a	ınd No.		Rig Name an	nd No. Report No.					
08/05/20		NOLIA OIL	& GAS	DIE	TZ OL UNI	Т 3Н		248 Report #19					
	DAILY	USAGE 8	k COST						CUMULATIVE				
ltem	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost			
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	200	-200				-	50	\$2,087.50			
TURBO CHEM SYNSEAL	25# sk	\$41.75	50	-50									
								_					
								_					
OBM D	gal	\$1.36						_					
OBM D 7/20 Skid Vol.	gal	\$1.34						_	15750	\$21,105.00			
OBM_D 7/20		\$1.34						-		\$9,504.00			
	gal							-					
OBM_D 7/21	gal	\$1.32							7402	\$9,770.64			
DIESEL DELIVERY 7/22/20	gal	\$1.35							7402	\$9,992.70			
DIESEL DELIVERY 7/24/20	gal	\$1.35						<u> </u>		\$9,992.70			
DIESEL DELIVERY 7/27/20	gal	\$1.36							7401	\$10,065.36			
DIESEL DELIVERY 7/28/20	gal	\$1.40	1902	-1902					5298	\$7,417.20			
DIESEL DELIVERY 7/31/20	gal	\$1.36	7498	-7498									
								F					
								-					
								-					
								-					
								-					
								<u> </u>					
		<u> </u>	<u> </u>	<u> </u>									
]		[
								 					
								 					
									\$79,9	35.10			
								L					
	Cumı	ılative Total	AES & 3rd	Party \$219	,458.74								
						I							

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

Well Name:

MAGNOLIA OIL & GAS

: 248

		WEEK 1								WEEK 2							WEEK 3							
	Date	7/20/20 7/21/20 7/22/20 7/23/20 7/24/20 7/25/20 7/26/20							7/27/20 7/28/20 7/29/20 7/30/20 7/31/20 8/1/20 8/2/20							8/3/20	-							
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4						
Grand	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841	17,832	17,832					
Totals	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841	17,832	17,832	- '					
	Footage Drilled		4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	1,471	-			_					
•		-	4,962	2,496	-	-	11	-	2	16	1	23	73	61	65	-		-	-			-		
	New Hole Vol.							83																
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,342	(0)	(0)	(0)	(0		
	Chemical Additions		19	5	-	-	-	16	-	-	-	-	1	-	-	-	45	-						
	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33	-	-		45							
	Barite Increase			47	-	-	-	-	-	18	17	14	22	-	-	17	-	7						
,	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142	-	147	-	-	-						
	Slurry Added		_		-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Water Added		5	16	-	-	20	70	24	-	-	-	-	-	-	-	-	-						
	Added for Washout			4	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
3,575	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	147	17	45	7	-	-	-	-		
90	Surface Losses		31	40	-	-		18	1	-	-	-	-	-	-	-	-	-						
2,446	Formation Loss			15	-	-		150	319	263	209	120	63	152	280	212	473	189						
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-	-	-	-	-	-						
156	Unrecoverable Volume				40	-	116	-	-	-	-	-	-	-		-	-	-						
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-	-	-	-	-						
3,483	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	280	212	473	189	-	-	-	-		
2 440	Mud Transferred Out									280								2.160						
	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,342	(0)	(0)	(0)	(0)	(0		
· · · · · ·	Mud Recovered	_,0.0	36	_,	_,	_,	_,	_,	_,000	0,00	0,2.0	0,110	0,2.0	0,001	_,00.	_,	_,• :-	(-)	(-)	(•)	(•)	(,		
30	imaa Necoverea																							
		Comments:							Comments:								Comments:							
		7/20/20 Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.							7/27/20 POOH to change out BHA. TIH and resume drilling.							8/3/20 Running Casing, No returns, fill up with fresh water. Maintain 17#obm kill mud in tank 7								
1,983		Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, 7/21/20 Evap-20.6bbls, Cent-18bbls, Pits-10bbls///// Recovered 35.7bbls						7/28/20 POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report. Casing on bottom, Cement with no returns. WOC 24hrs. Will up back side and estimate top of cement. Possible top off with cement.																
	'	7/22/20 Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4							/29/20 TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.								8/5/20 FINAL REPORT. TRASFER ALL SACK MATERIAL AND OBM TO PALO DURO 1H. THANK YOU							
		7/23/20 Running Casing in the hole.						7/30/20	TIH back to bottom, resume drilling, with fresh water and kill mud on back side. Pump 10-15bbls OBM sweep every connection.							8/6/20								
								7/31/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem, 2% EvoLube. Pump as requested							8/7/20								
								8/1/20 Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem. Pump as requested 8/8/20																
		7/26/20 Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.								Drill to TD, 17841'. Circulate Clean up Cycle and POOH, Wash and Ream up to 12291. Pull conventional from there. 8/9/20														