Report #2

TEL: (337) 394-1078

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° 0' TVD

Operator MAGI	NOLIA (OIL & C	GAS	Contractor PA1	TERS	ON	County / Parish /	Block HINGTOI	N	Engineer Star	t Date	24 hr	ftg. 2,916 f		Drilled D	epth 2,91	6 ft	
Well Name and No.		5 4 11		Rig Name an			State			Spud Date	40/04	Curre	ent ROP		Activity			_
Report for	SABINE	D 4-H		Report for	248		Field / OCS-G #	EXAS		01/ Fluid Type	16/21	Circu	417 ft/h		Circulati		lipple u	up
JAMES D	YER / J	IM HAI	RRISON		ol Pus	her		DIGNS			/BM	000	878 gpr			-	psi	
	MUD	PROPER	RTY SPECIF	CATION	S		MUD VO	LUME (BE	BL)	PU	MP #1		PUMP #2				OOSTE	R
Weight	PV	YP	GELS	рН	API fl	% Solids	In Pits			Liner Size	e 5.2	25 Line	er Size 5	5.25	Liner	Size	5.25	;
8.4-9.6	0-10	0-10	<5 <10	8-9	<30	2-10	In Hole	250	0 bbl	Stroke	12	2 St	roke	12	Stro	ke	12	
	l	ı		1/17/21		1/16/21	Active	0	bbl	bbl/stk	0.07	763 bl	ol/stk 0.0	0763	bbl/s	stk	0.076	:3
Time Sample	Taken			2:00		15:00	Storage	223	80 bbl	stk/min	13	7 st	k/min 1	137	stk/n	nin		
Sample Locati	on			suction		shaker	Tot. on Loc	cation 248	ldd 0	gal/min	43	9 ga	ıl/min 4	139	gal/r	nin	0	
Flowline Temp	erature °F	F				110 °F	F	PHHP = 103	31	(CIRCUL	ATION D	ATA		n = 0.	.322	K = 273.9	977
Depth (ft)				2,916'		2,916'	E	Bit Depth =	1		Wash	out = 5%		Pump	Efficie	ency =	95%	
Mud Weight (p	ppg)			9.0		9.1	Drill String	Volume	to Bit	0.0 bbl	Str	okes To B	it 0		Time T	o Bit	0 mir	า
Funnel Vis (se	c/qt)		@ 94 °F	30		33	Disp.	Bottoms U	Jp Vol.	0.0 bbl	Botto	msUp Stk	s 0	Botto	msUp ⁻	Time	0 min	า
600 rpm				5		6	0.0 bbl	Riser An	n. Vol.	0.0 bbl	Ris	ser Stroke	s 0	Rise	r Circ.	Time	0 min	า
300 rpm				4		5		DRILLIN	G ASS	SEMBLY D	ATA			SOLIDS	s con	ITRO	L	
200 rpm				2		4	Tubulars	OD (in.)	ID	(in.) L	ength	Тор	Uni	t	Scre	ens	Hours	s
100 rpm				1		3					0'	0'	Shake	er 1	140-	-80	12.0)
6 rpm				1		1						0'	Shake	er 2	140-	-80	12.0	,
3 rpm				1		1						0'	Shake	er 3	140-	-80	12.0)
Plastic Viscosi	ity (cp)		@ 120 °F	1		1						0'	Desan	der			6.0	
Yield Point (lb/	/100 ft²)		T0 = 1	3		4		CASIN	IG & I	HOLE DAT	Ά		Desilt	ter			6.0	
Gel Strength (lb/100 ft²)	10	sec/10 min	1/2		1/2	Casing	OD (in.)	ID	(in.) [Depth	Тор	Centrifu	ige 1	14	0	12.0)
Gel Strength (lb/100 ft ²)		30 min	2		3	Riser	20			108'		VOLU	ME AC	COUN	ITING	(bbls))
API Filtrate / C	Cake Thick	kness		25/1		27/1	Surface	10 3/4	9.	560 2	2,906'	108'	Prev.	Total o	n Loca	ation	530	0.9
HTHP Filtrate	/ Cake Th	nickness	@ 0 °F				Int. Csg.					108'	Transf	erred l	n(+)/O	ut(-)	2480	0.0
Retort Solids (Content			4.9%		5.7%	Washout 1							Oil	Added	(+) b	(0.0
Retort Oil Con	tent						Washout 2							Barite	Added	(+) b	(0.0
Retort Water (Content			95.1%		94.3%	Oper	n Hole Size	14	.175 2	2,916'		Other F	roduct	Usage	e (+)	2	2.5
Sand Content				1.5%		0.5%	ANI	NULAR GE	ОМЕ	TRY & RH	EOLOG	Υ		Water	Added	(+) b	2000	0.0
M.B.T. (Methy	lene Blue	Capacity) (ppb)	1.0		2.5	annular	r me	eas.	velocity	flow	ECD	L	eft on C	Cutting	ıs (-)	-569	9.2
рН				8.4		8.2	section	de	epth	ft/min	reg	lb/gal	San	d Trap	Disch	arge	-500	0.0
Alkalinity, Mud	l Pm			0.1		0.1							Pit /	Boat C	leanin	g (-)	-1463	3.8
Alkalinities, Fil	trate Pf/M	lf		0.1/0.2		0.1/0.2							Est.	Total o	n Loca	ation	2480	0.4
Chlorides (mg/	/L)			800		700							Est. Los	sses/G	ains (-)/(+)	(0.0
Calcium (ppm))			120		160							ВІТ	HYDR	RAULI	CS D	ATA	
Excess Lime (lb/bbl)												Bit H.S.I.	Bit	ΔΡ	Nozzl	es (32nd	ds)
Average Spec	ific Gravit	y of Solid	s	2.60	2.60	2.60							1.25	349	psi	14	14 1	14
Percent Low G	Gravity So	lids		4.8%		5.6%							Bit Impac	t Noz		14	14 1	14
Percent Drill S	olids			4.8%		5.6%							Force	Velo (ft/s	-	14	14 1	14
PPA Spurt / To	otal (ml) @	20	@ 0 °F				BIT D	ATA	Ma	anuf./Type	Ulter	ra U616s	853 lbs	20	08			
Estimated Total	al LCM in	System	ppb				Size	Depth In	Н	ours Fo	ootage	ROP ft/h	r Motor/N	MMD	Calc.	Circ.	Pressu	ıre
Sample Taker	Ву			A. ROMAN		M Washburn	13 1/2	108 ft	_ 7	7.0 2	,916 ft	416.6	1,350	psi		1,735	psi	
Domorko/Dooo							Dia Activity			•				•				\neg

Remarks/Recommendations:

OBM RECEIVED: 2480 bbls / OBM RETURNED:

OBM ON SURFACE--- 2480 bbls (Storage + Active)

OBM LOSS/GAIN--(Daily-- 0)----Total (0)

Rig Activity:

In the past 24hrs: Skid rig over from the Sabine C-3H, make up BHA for surface hole while cementing off-line on the C-3H. Drilled 13.5" hole to TD 2916', using fresh water, laden with SAPP and Drilling Detergent as primary median. Pump Fresh water sweeps (SAPP & Soap) while drilling, dumping sand trap every 300'. At TD circulate hole clean, pump Hi-Vis(PHPA) sweep to assist on hole cleaning prior to running Surface casing. Rig up Casing crew and Run (10.75" /45.5# /BTC /P110) casing in the hole. Set circulation on last joint of casing and wash to bottom. Retrieve landing joint and cement off-line. (30bbl spacer 8.3# /314bbls Lead 11.3#/ 84bbl Tail 14.4#) disp with 250bbl OBM 9.2ppg and 20bbls of fresh water. 150bbls of cement back to surface. At this time: Nipple Up, clean Active pits for OBM.

Er	ng. 1:	Mi	ke W	ashbı	ırn	Er	ng. 2:	Adolf	o Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Pł	none:	30	61-94	5-577	77	Ph	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 1	C 0	carefully	and may be	used if the user		, no representati	nas been prepared on is made as to the	\$3,329.52	\$3,329.52
												INCLUDI	NG 3RD PAR	TY CHARGES	\$3,329.52	\$3,329.52

Date 01/17/21	Operator MAG I	NOLIA OIL		Well Name a	ind No. ABINE D 4-	Н	Rig Name ar	id No. 48	Report No. Repo	ort #2
	DAILY	USAGE 8	& COST						CUMU	LATIVE
Item	Unit	Unit Cost	Previous	Received	Closing	Daily	Daily Cost		Cum	Cum Cost
			Inventory		Inventory	Usage			Usage	
SAPP (50) PHPA LIQUID (pail)	50# sk 5 gal	\$44.56 \$41.36			10 60	2	\$1,336.80 \$82.72		30	
EVO-LUBE	gal	\$14.00			550		ψοΣ.72			Ψ02.72
NEW GEL (PREMIUM)	100# sk	\$19.75			70					
ALUMINUM TRISTEARATE	25# sk	\$162.83	19		19					
CACL2 (50)	50# sk	\$14.32	280		280					
LIME (50)	50# sk	\$5.00	250		250					
OPTI - G	50# sk	\$30.59	165		165					
BENTONE 38 (50)	50# sk	\$163.94	19		19					
BENTONE 910 (50) BENTONE 990 (50)	50# sk 50# sk	\$59.40 \$83.59	40 50		40 50					
OPTI - MUL	gal	\$10.75			165					
OPTI - WET	gal	\$8.34	495		495					
NEW PHALT	50# sk	\$38.72	200		200					
OIL SORB (25)	25# sk	\$4.75	40		40					
NEW CARB ULTIMIX	50# sk	\$6.35	106		106					
NEW CARB (M)	50# sk	\$5.25			60					
CYBERSEAL	25# sk	\$21.47								
MAGMAFIBER F (25)	25# sk	\$28.05	240		240					
MAGMAFIBER R (30)	30# sk	\$28.05	38		38					
VARISEAL FIBER PLUG	50# sk 30# sk	\$26.50 \$30.37	24		24					
NUT PLUG M (50)	50# sk	\$12.04	75		75					
1101 1 200 M (00)	30# 3K	Ψ12.04	73		7.5					
NEW WATE (SACK BARITE)	100# sk	\$11.50	180		180					
BARITE BULK (100)	100# sk	\$7.00			1636					
		******			1000					
						-				
OPTI DRILL (OBM)	bbl	\$65.00	1644	484	2128					
OF IT DRILL (OBIN)	DDI	φ05.00	1044	404	2120					
DISCOUNTED OBM	bbl	\$15.00	352		352					
										1
										1
ENGINEERING (24 HR)	each	\$925.00					\$1,850.00			\$1,850.00
ENGINEERING (DIEM) ENGINEERING (MILES)	bbl each	\$30.00 \$1.00				2	\$60.00		2	\$60.00
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, ,										
TRUCKING (cwt)	each	\$2.65								
TRUCKING (cwt) TRUCKING (min)	each	\$795.00								
TRUCKING (cwt)										

Date	Operator			Well Name a	ind No.		Rig Name an	d No.	Report No.	
01/17/21	MAGI	NOLIA OIL	& GAS	S	ABINE D 4	-Н	2	48	Rep	ort #2
	DAILY	USAGE 8	k COST				•		СПМП	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	120		120					
DIESEL DELIVERY 1-14-21	gal	\$1.74	7000		7000					
DIESEL DELIVERY 1-15-21	gal	\$1.79			7000					
								i		
	ı			1		I.	1			I
	Cur	ulative Tot	al AES & 3r	d Party ¢2	329 52					
	Cull	idiative i Ul	ALU 0. JI	aranty 40,	J_J.J_					

TEL: (337) 394-1078

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° 0' TVD

Operator MAGI	NOLIA (OIL & G	SAS	Contractor PA1	TERSO	ON	County / Parish /	HINGTON		Engineer Start [24 hr ft	9. O ft		Drilled D	2,916 1	ft
Well Name and No.	SABINE	D 4-H		Rig Name an	d No. 248		State TI	EXAS	S	Spud Date 01/1	6/21	Curren	t ROP 0 ft/hr		Activity Pick	up BHA	A / TIH
Report for				Report for			Field / OCS-G #		F	Fluid Type		Circula	iting Rate			ng Pressure	е
JAMES D					ol Pusi	ner		DIGNS	_	OE			0 gpm			psi	
NA/ - 1 - 1 - 1		1	TY SPECIF	1		LITUD		LUME (BB	-	PUM		<u> </u>	PUMP #			R BOO	
Weight 9-10.5	PV 5-20	YP 4-15	E.S. >350	CaCl2 ±230K	GELS <10 <15	HTHP <10	In Pits In Hole			Liner Size Stroke	5.25 12	Stro		5.25 12	Liner :		5.25 12
9-10.5	3-20	4-13	>330	1/18/21	<10 <15	<10	Active			bbl/stk	0.076			0763	bbl/s		.0763
Time Sample	 Taken			2:00			Storage			stk/min	0.070		/min	0	stk/n		.0703
Sample Locati				suction			4	cation 2963		gal/min	0		/min	0	gal/n		0
Flowline Temp		=						PHHP = 0			RCULA1				_	670 K=	_
Depth (ft)				2,916'			E	Bit Depth =	,		Washou			Pump		ncy = 95	
Mud Weight (p	 opg)			9.5			Daill Chain a	Volume	to Bit	0.0 bbl	Strok	es To Bit		T .	Time T	o Bit	
Funnel Vis (se	ec/qt)		@ 60 °F	47			Drill String Disp.	Bottoms Up	p Vol.	0.0 bbl	Bottoms	sUp Stks		Botto	msUp 1	Γime	
600 rpm				35			0.0 bbl	Riser Ann	ı. Vol.	0.0 bbl	Rise	Strokes		Rise	r Circ. T	Гime	
300 rpm				22				DRILLING	ASS	EMBLY DA	TA		,	SOLID	S CON	TROL	
200 rpm				15			Tubulars	OD (in.)	ID ((in.) Le	ngth	Тор	Un	it	Scree	ens F	Hours
100 rpm				10			Drill Pipe	5.000	4.2	276	0'	0'	Shake	er 1	140-	80	
6 rpm				5			Agitator	6.750	2.0	000		0'	Shake	er 2	140-	80	
3 rpm				4			Drill Pipe	5.000	4.2	276		0'	Shake	er 3	140-	80	
Plastic Viscosi	ity (cp)		@ 150 °F	13			Dir. BHA	8.000	2.7	7 50		0'	Desar	nder			
Yield Point (lb/	/100 ft²)		T0 = 3	9				CASIN	G & H	OLE DATA	L		Desil	ter			
Gel Strength (I	lb/100 ft²)	10	sec/10 min	6/10			Casing	OD (in.)	ID ((in.) De	epth	Тор	Centrifu	uge 1	140)	
Gel Strength (l	lb/100 ft ²)		30 min	14			Riser	20		1	08'		VOLU	ME AC	COUN	ITING (b	bls)
HTHP Filtrate	(cm/30 m	in)	@ 250 °F	10.0			Surface	10 3/4	9.9	950 2,9	906'	108'	Prev.	Total o	n Loca	ition	2480.4
HTHP Cake T	hickness	(32nds)		1.0			Int. Csg.					108'	Trans	ferred I	n(+)/O	ut(-)	477.1
Retort Solids (Content			12%			Washout 1							Oil	Added	l (+)	2.6
Corrected Soli	ds (vol%)			10.3%			Washout 2							Barite	Added	i (+)	0.0
Retort Oil Con	tent			65%				n Hole Size	10.3	•	916'		Other F	Product	Usage	÷ (+)	3.1
Retort Water 0	Content			23%			AN	NULAR GE	OMET	RY & RHE	OLOGY			Water	Added	l (+)	
O/W Ratio				74:26			annula section		as. pth	velocity ft/min	flow reg	ECD lb/gal		eft on (·	. ,	0.0
Whole Mud Ch	•			44,000			Section	i ue	7(1)	10111111	leg	ib/gai		nd Trap		Ü	
Water Phase S		. ,		230,758										Boat C		• ,	0000.4
Whole Mud All		om		5.0										Total o			2963.1
Excess Lime (Electrical Stab	,	١		6.5 ppb 350 v										sses/G		CS DAT	0.0
Average Speci			<u> </u>	2.91			1						Bit H.S.I	1		Nozzles (
Percent Low G		-	•	7%									0.00		osi –	14 14	1
ppb Low Gravi		iido		57 ppb			_							Noz		14 14	
Percent Barite				3.3%			1						Bit Impac Force	Velo	city	16 16	
ppb Barite				48 ppb			BIT D	ATA	Mar	nuf./Type	Ulterra	SPL613	0 lbs	((
Estimated Total	al LCM in	System	ppb				Size	Depth In	Ho	<u> </u>		OP ft/hr	Motor/N			Circ. Pr	essure
Sample Taken		-	•••	A ROMAN	0	0	9 7/8	2,916 ft	0.			DIV/0!	1,350	psi			
Remarks/Reco		ons:		I			Rig Activity:	I					<u>I</u>				
OBM REC	EIVED:	2963 bb	ls / OBM	1 RETUR	NED:												
OBM REC								est 24hrs: 0 p. Change									tc

OBM ON SURFACE--- 2692 bbls (Storage + Active)

OBM LOSS/GAIN--(Daily-- 0)----Total (0)

In the past 24hrs: Clean up Active pit system, screen up shakers and continue to Nipple up. Change out Annular element and rig up Rotating head Spool and Hydraulic Housing. Continue with Testing BOP's and surface equipment. Finish cleaning pits and transfer OBM to active system; Pre-Treat mud system with Opti Mul and Wet, + CaCl2 and Lime for Drill out interface. At this time: Pick up and Make up new Directional BHA, Pick up 2 stands of DC and 3 stands of HWDP. Will Continue TIH to Drill out Shoe track, condition Mud and perform FIT.

Er	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
Pł	none:	30	61-94	5-57	77	Ph	none:	956-8	21-9994	Phone:	432-686-736	Phone:	-			
W 1	P 1	Y 1	E 0	C 1	g 1	G 1	H 2	O 1	carefully	and may be	used if the use		er, no representa	has been prepared tion is made as to the	\$3,371.35	\$6,700.87
									•		•	INCLU	DING 3RD PAR	RTY CHARGES	\$3,371.35	\$6,700.87

Item SAPP (50) PHPA LIQUID (pail) EVO-LUBE NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	DAILY Unit 50# sk 5 gal	USAGE & Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	CUMU	LATIVE Cum Cost
SAPP (50) PHPA LIQUID (pail) EVO-LUBE NEW GEL (PREMIUM)	Unit 50# sk	Unit Cost	Previous	Received		-	Daily Cost	Cum	
SAPP (50) PHPA LIQUID (pail) EVO-LUBE NEW GEL (PREMIUM)	50# sk			Received		-	Daily Cost		Cum Cost
PHPA LIQUID (pail) EVO-LUBE NEW GEL (PREMIUM)		\$44 EC				Osage		Usage	ouiii oooi
EVO-LUBE NEW GEL (PREMIUM)	5 001	φ44.30	10		10			30	\$1,336.80
NEW GEL (PREMIUM)	J yai	\$41.36	60		60			2	\$82.72
	gal	\$14.00	550		550				
ALUMINUM TRISTEARATE	100# sk	\$19.75	70		70				
	25# sk	\$162.83	19		19				
CACL2 (50)	50# sk	\$14.32	280		260	20	\$286.40	20	\$286.40
LIME (50)	50# sk	\$5.00	250		225	25	\$125.00	25	<u> </u>
OPTI - G	50# sk	\$30.59	165		165	20	Ψ123.00	23	Ψ120.00
BENTONE 38 (50)	50# sk	\$163.94	19		19				
BENTONE 910 (50)	50# sk	\$59.40	40		40				
BENTONE 990 (50)	50# sk	\$83.59	50		50				
OPTI - MUL	gal	\$10.75	165		110	55	\$591.25	55	\$591.25
OPTI - WET	gal	\$8.34	495		440	55	\$458.70	55	· ·
NEW PHALT	50# sk	\$38.72	200		200				,
OIL SORB (25)	25# sk	\$4.75	40		40				
NEW CARB ULTIMIX	50# sk	\$6.35	106		106				
NEW CARB (M)	50# sk	\$5.25	60		60				
CYBERSEAL	25# sk	\$21.47							
MAGMAFIBER F (25)	25# sk	\$28.05	240		240				
MAGMAFIBER R (30)	30# sk	\$28.05	38		38				
VARISEAL	50# sk	\$26.50	24		24				
FIBER PLUG	30# sk	\$30.37							
NUT PLUG M (50)	50# sk	\$12.04	75		75				
		71211							
NEW WATE (SACK BARITE)	100# sk	\$11.50	180		180				
BARITE BULK (100)	100# sk	\$7.00	1636		1636				
		, , , , ,							
OPTI DRILL (OBM)	bbl	\$65.00	2128	483	2611				
		<u> </u>						<u> </u>	
DISCOUNTED OBM	bbl	\$15.00	352		352			<u> </u>	
		<u> </u>						<u> </u>	1
		 						<u> </u>	
		 						<u> </u>	1
	-+								
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00	4	\$3,700.00
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00	4	
ENGINEERING (MILES)	each	\$1.00							
		1							
									1
				_		_			
	each	\$2.65							
TRUCKING (cwt)									
TRUCKING (cwt) TRUCKING (min)	each	\$795.00							
TRUCKING (min) PALLETS (ea)	each each	\$795.00 \$12.00							
TRUCKING (min)									

Date	Operator			Well Name a	ind No.		Rig Name an	d No.	Report No.	
01/18/21	MAGI	NOLIA OIL	& GAS	S	ABINE D 4	-Н	2	48	Rep	ort #3
	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	120		120					
DIESEL DELIVERY 1-14-21	gal	\$1.74	7000		7000					
DIESEL DELIVERY 1-15-21	gal	\$1.79			7000					
				-						
	Cum	ulative Tota	al AES & 3r	d Party \$6,	700.87					
				,						

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

Well Name:

MAGNOLIA OIL & GAS

248

SABINE D 4-H

					WEEK 1							WEEK 2							WEEK 3			
	Date	1/18/21	1/19/21	1/20/21	1/21/21	1/22/21	1/23/21	1/24/21	1/25/21	1/26/21	1/27/21	1/28/21	1/29/21	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21
		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																				
Grand	Starting Depth	2,916	2,916																			
Totals	Ending Depth	2,916	,- ,-																			
-	Footage Drilled	-	-			_		-	-	-			_	-			_		_	-	_	-
		+ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	New Hole Vol.	+																				
	Starting System Volume	2,480	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963
	Chemical Additions	- 6																				
	Base Fluid Added Barite Increase	-																				
	Weighted Mud Added	477																				
-	Slurry Added	-																				
	Water Added																					
	Added for Washout	-						<u> </u>										+				<u> </u>
	Total Additions	483	_	_	-	_	_		_	-		_	-	_	_	_	_	_	_		_	_
		+	-	_	-	-	-	<u> </u>		-	-	_	<u> </u>		-	_	-	<u> </u>	-	-	_	<u> </u>
-	Surface Losses Formation Loss	-	1					-					1					-				-
-		+						-										-				
	Mud Loss to Cuttings Unrecoverable Volume	-																				
<u> </u>	Centrifuge Losses	-																				
	Centificge Losses																					
-	Total Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,963	Ending System Volume	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963
2,963	Ending System Volume Mud Recovered	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963	2,963
		2,963	2,963		2,963 omments	•	2,963	2,963	2,963	2,963	·	2,963		2,963	2,963	2,963	2,963		2,963	*	2,963	2,963
		2,963		С	omment	s:			2,963	2,963	·			2,963	2,963	2,963	2,963			*	2,963	2,963
			Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with		2,963	·			2,963	2,963	2,963	2,963			*	2,963	2,963
			Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with		2,963	·			2,963	2,963		2,963			*	2,963	2,963
			Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with		2,963	·			2,963	2,963		2,963			*	2,963	2,963
-		1/18/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21	2,963	·			2,963	2,963	2/1/21	2,963			*	2,963	2,963
-		1/18/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21	2,963	·			2,963	2,963	2/1/21	2,963			*	2,963	2,963
-		1/18/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21	2,963	·			2,963	2,963	2/1/21	2,963			*	2,963	2,963
-		1/18/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21	2,963	·			2,963	2,963	2/1/21	2,963			*	2,963	2,963
-		1/18/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21 1/26/21 1/27/21	2,963	·			2,963	2,963	2/1/21 2/2/21 2/3/21	2,963			*	2,963	2,963
-		1/18/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21 1/26/21 1/27/21	2,963	·			2,963	2,963	2/1/21 2/2/21 2/3/21	2,963			*	2,963	2,963
-		1/18/21 1/19/21 1/20/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21 1/26/21 1/27/21 1/28/21	2,963	·			2,963	2,963	2/1/21 2/2/21 2/3/21 2/4/21	2,963			*	2,963	2,963
-		1/18/21 1/19/21 1/20/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21 1/26/21 1/27/21 1/28/21	2,963	·			2,963	2,963	2/1/21 2/2/21 2/3/21 2/4/21	2,963			*	2,963	2,963
-		1/18/21 1/19/21 1/20/21 1/21/21	Nipple up CaCl2 and	C and test BC	omments DP, Fill up p	s: Dits with OE	BM Pre Tre	at with	1/25/21 1/26/21 1/27/21 1/28/21 1/29/21	2,963	·			2,963	2,963	2/1/21 2/2/21 2/3/21 2/4/21 2/5/21	2,963			*	2,963	2,96

110 Old Market St. St Martinville, LA 70582

TEL: (337) 394-1078

13.0° 4,251' TVD

	IOLIA C	OIL & G	AS	Contractor PAT Rig Name ar	TTERSO	ON	_	h / Block HINGTO	N	_	Start Date 1/16/21	ı	24 hr fto			rilled Dep	,323 f	t
Well Name and No	ABINE	D 4-H		Rig Name ar	248		State T	EXAS		l '	[⊪] 1/16/21			525 ft/hr		•	ILLIN	IG
Report for				Report for			Field / OSC-G			Fluid Typ		C		ing Rate		_	Pressure	
JAMES D					ol Push	ner		DIGNS			ОВМ			365 gpm			935 p	
	l	1	TY SPECI		ı			DLUME (BE			PUMP #1			PUMP #2			R BOOS	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits		bbl	Liner S			Liner		-	iner Si		5.25
9-10.5	5-20	4-15	>350	±275K	<10 <15	<10	In Hole		bbl	Strok		12	Stro			Stroke		12
Time Comple		JD PROF	EKIIES	2:00		14:30	Active		3 bbl	bbl/st		35	bbl/			bbl/stl		0763
Time Sample Sample Locat				suction		shaker	Storag	e <u>193</u> 4		stk/m gal/m		33	stk/ı gal/ı			stk/mi		
Flowline Temp				Suction		125 °F	Mud Wt. =		=13	YP=				N DATA			70 K=	172 1
Depth (ft)	Derature i			2,916'		4,461'		Depth = 4,3		117-		nout = 5					cy = 95	
Mud Weight (ona)			9.5		9.4	Dit			76.8 b		rokes To		1,006	•	me To		min
Funnel Vis (se			@ 110 °F	47		45	Drill String Disp.	Bottoms U				omsUp		4,090	Bottom			5 min
600 rpm	5C/Qt)		@ 110 1	35		30	28.2 bbl	Riser Ann				diser Str		-34		Circ. Ti		min
300 rpm				22		20	20.2 001	DRILLING					OKES		OLIDS			
200 rpm				15		15	Tubulars				Length	To	n	Unit		Screer		ours
100 rpm				10		10	Drill Pipe	` ,		276	4,323'	10	۲	Shaker		140-8		ouis
6 rpm				5		5	Agitator			000	4,020	4,32	23'	Shaker		140-8		
3 rpm				4		4	Drill Pipe	5.000		276		4,32		Shaker		140-8		
Plastic Viscos	ity (cp)		@ 150 °F	13		10	Dir. BHA			750		4,32		Desand				
Yield Point (lb	,		T0 = 3	9		10	55			HOLE D	DATA	.,02		Desilte				
Gel Strength (10 s	sec / 10 min	6/10		4/8	Casing	OD (in.)		(in.)	Depth	To	D	Centrifug	•	140		
Gel Strength (30 min	14		10	Riser			,	108'		<u> </u>	VOLUM			ING (b	bls)
HTHP Filtrate		,	@ 250 °F	10.0		9.0		10 3/4	9.9	950	2,906'	108	8'	Prev. T				2963.1
HTHP Cake T		•		1.0		1.0	Int. Csg.					108		Transfe				
Retort Solids	Content			12%		10%	Washout 1								Oil A	dded	(+)	
Corrected Sol	ids (vol%)			10.3%		7.9%	Washout 2							E	Barite A	dded	(+)	
Retort Oil Cor	itent			65%		68%	Oper	Hole Size	10.	.369	4,323'			Other Pro	oduct L	Isage	(+)	
Retort Water	Content			23%		22%	AN	NULAR GE	ОМЕ	TRY &	RHEOL	OGY		٧	Vater A	dded	(+)	
O/W Ratio				74:26		76:24	annula	ar .		veloc	ity flow	EC	D	Lef	ft on Cu	ıttings	(-)	
Whole Mud C	hlorides (r	mg/L)		44,000		52,000	section	ae ae	pth	ft/mi	-			Sand	Trap D	ischar	ge	
Water Phase	Salinity (p	pm)		230,758		270,413	0x5	1()8'	-848.	.4	9.9	6	Pit / B	Boat Cle	aning	(-)	
Whole Mud A	kalinity, P	om		5.0		3.0	9.95x	5 2,9	06'	286.	6 turb	10.2	22	Est. T	otal on	Locati	on 2	2963.1
Excess Lime	(lb/bbl)			6.5 ppb		3.9 ppb	10.369	x5 4,3	23'	257.	0 turb	10.4	49	Est. Loss	ses/Gai	ns (-)/	(+)	118.7
Electrical Stat	oility (volts	s)		350 v		455 v								BIT I	HYDRA	ULIC	DATA	
Average Spec	ific Gravit	y of Solid	ls	2.91		3.22								Bit H.S.I.	Bit Δ	P N	ozzles (32nds)
Percent Low (Gravity So	lids		7%		4%								1.95	296 p	osi 1	4 14	14
ppb Low Grav	ity Solids			57 ppb		33 ppb							Ī	Bit Impact	Nozz Veloc		4 14	14
Percent Barite)			3.3%		3.9%			1					Force	(ft/se	, I .	6 16	16
ppb Barite				48 ppb		56 ppb	BIT [DATA	Ма	nuf./Typ	oe Ulte	rra SPL	.613	796 lbs	186			
Estimated Tot	al LCM in	System					Size	Depth In	Но	ours	Footage	ROP	ft/hr	Motor/M\	WD (Calc. C	irc. Pre	ssure
Sample Taker	п Ву			A ROMAN			9 7/8	2,916 ft				#DIV	//0!	1,350 p	osi	2,	493 ps	i
Afternoon Rem	arks/Recor	mmendatio	ons:				Afternoon R	Rig Activity:										
Beginnin	g Volume	= bbls									_	i						
Todays \	olume =	bbls					to 29	in hole wit 116 then di	rill 10)' of nev	w format	ion to 2	2926	, circulate	B/U p	erform	FIT to	11.6
Mud Lost	To Cuttin	ngs = bbl	S					V - test go										
Mud Lost	To Forma	ation = b	bls					h at time o					, J i				,	
Todovol					abla													

TEL: (337) 394-1078

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

14.0° 7,095' TVD

Operator MAGI Well Name and No.	NOLIA (OIL &	GAS	Contractor PAT Rig Name ar	TTERSO	ON	County / Parish / WASH	Block	N	Engineer O Spud Date	1/16		24 hr ftg	4,334 ft		Drilled [7,25	0 ft
	ABINE	D 4-H	l	Nig Name ai	248			EXAS			。)1/16	/21		228 ft/hr		•	illin	g Intr.
Report for				Report for			Field / OCS-G #			Fluid Type				ing Rate		Circulat	ing Pres	ssure
JAMES D	YER / J	IM HA	RRISON	То	ol Pusi	ner	GID	DIGNS			OBI	M	8	365 gpm	1	4	,935	psi
	MUD	PROPE	RTY SPECIF	ICATION	S		MUD VO	LUME (BB	SL)	ı	PUMP	#1		PUMP #2		RISI	ER B	DOSTER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	783	3 bbl	Liner S	Size	5.25	Liner	Size 5.	25	Liner	Size	5.25
9-10.5	5-20	4-15	>350	±265K	<10 <15	<10	In Hole	631	l bbl	Strok	ке	12	Stro	ke 1	2	Stro	ke	12
				1/19/21		1/18/21	Active	141	4 bbl	bbl/s	stk	0.0763	bbl/	stk 0.0	763	bbl/	stk	0.0763
Time Sample	Taken			2:00		14:30	Storage	<u>193</u>	4 bbl	stk/m	nin	135	stk/r	min 13	35	stk/r	min	0
Sample Locati	on			suction		shaker	Tot. on Loc	cation 334	8 bbl	gal/m	nin	433	gal/r	min 43	33	gal/ı	min	0
Flowline Temp	erature °F	=		155 °F		125 °F	F	PHHP = 249	92		CIR	CULATIO	N DA	ГА		n = 0	.628	K = 223.367
Depth (ft)				6,902'		4,461'	Bit [Depth = 7,2	250 '		٧	/ashout =	2%		Pump	Efficie	ency =	95%
Mud Weight (p	pg)			9.3		9.4	Drill String	Volume	to Bit	122.3	bbl	Strokes	To Bit	1,603		Time 1	o Bit	6 min
Funnel Vis (se	c/qt)		@ 130 °F	44		45	Disp.	Bottoms U	p Vol.	509.0	bbl	BottomsU	Stks	6,671	Botto	msUp	Time	25 min
600 rpm				34		30	76.3 bbl	TotalCir	rc.Vol.	1414.3	3 bbl	TotalCir	c.Stks	18,535	Tota	l Circ.	Time	69 min
300 rpm				22		20		DRILLING	G ASS	SEMBL'	Y DAT	Ά		s	OLIDS	S CON	NTRO	L
200 rpm				18		15	Tubulars	OD (in.)	ID	(in.)	Lenç	gth T	ор	Unit		Scre	ens	Hours
100 rpm				13		10	Drill Pipe	5.000	4.2	276	4,57	77'	0'	Shaker	1	140	-80	24.0
6 rpm				7		5	Agitator	6.750	2.0	000	30	' 4,	577'	Shaker	2	140	-80	24.0
3 rpm				6		4	Drill Pipe	5.000	4.2	276	2,06	64' 4,0	607'	Shaker	3	140	-80	24.0
Plastic Viscosi	ity (cp)		@ 150 °F	12		10	Dir. BHA	8.000	2.	750	580	0' 6,0	670'					
Yield Point (lb/	/100 ft²)		T0 = 5	10		10		CASIN	IG & F	HOLE D	ATA							
Gel Strength (lb/100 ft²)	1	0 sec/10 min	7/12		4/8	Casing	OD (in.)	ID	(in.)	Dep	th T	ор	Centrifug	ge 1	14	0	24.0
Gel Strength (lb/100 ft ²)		30 min	16		10	Riser							VOLUM	IE AC	COU	NTING	(bbls)
HTHP Filtrate	(cm/30 mi	in)	@ 250 °F	8.0		9.0	Surface	10 3/4	9.9	950	2,90	06'	0'	Prev. T	otal o	n Loc	ation	2963.1
HTHP Cake T	hickness ((32nds)		2.0		1.0	Int. Csg.						0'	Transfe	erred li	n(+)/C	ut(-)	481.0
Retort Solids (Content			11%		10%	Washout 1								Oil	Adde	d (+)	241.3
Corrected Soli	ds (vol%)			9%		7.9%	Washout 2							ı	Barite	Adde	d (+)	0.0
Retort Oil Con	tent			67%		68%	Open	Hole Size	10.	.073	7,25	50'		Other Pr	oduct	Usag	e (+)	17.4
Retort Water (Content			22%		22%	ANI	NULAR GE	OME	TRY &	RHEO	LOGY		١	Water	Adde	d (+)	150.0
O/W Ratio				75:25		76:24	annular	me	eas.	veloc	sity	flow E	CD	Le	ft on C	Cutting	js (-)	-405.8
Whole Mud Ch	nlorides (n	ng/L)		50,000		52,000	section		pth	ft/m			gal	Non-Rec	overa	ble Vo	ol. (-)	-98.7
Water Phase S	Salinity (p	pm)		262,745		270,413												
Whole Mud Al	kalinity, P	om		4.0		3.0	9.95x5	2,9	906'	286	.6	turb 9	.72	Est. T	otal o	n Loca	ation	3348.4
Excess Lime (lb/bbl)			5.2 ppb		3.9 ppb	10.073x	5 4,5	577'	277	.4	turb 9	.83	Est. Los	ses/G	ains (-	-)/(+)	0.0
Electrical Stab	ility (volts))		422 v		455 v	10.073x6.	75 4,6	607'	379	.4	turb 10	.01	BIT	HYDR	RAULI	CS D	ATA
Average Spec			ds	2.83		3.22	10.073x	,	670'	277			.05	Bit H.S.I.	Bit	1		es (32nds)
Percent Low G	•	*		6.5%		4%	10.073x	,	250'	566			.35	1.90	288	-	14	14 14
ppb Low Grav	-			54 ppb		33 ppb		,-		•			F		Noz	•	14	14 14
Percent Barite				2.5%		3.9%								Bit Impact Force	Velo	city	16	16 16
ppb Barite				35 ppb		56 ppb	BIT D	ATA	Ma	nuf./Ty	pe	Ulterra SF	L613	776 lbs	18	, ,		
Estimated Total	al LCM in	System	ppb				Size	Depth In		ours	Foota	- 1	ft/hr	Motor/M			Circ	Pressure
Sample Taken		2,0.0111		A ROMAN	0	M.Washburn	9 7/8	2,916 ft		9.0	4,33		8.1	1,330 p			3,858	
Sample Takel	. <i>D</i> y						3 1,73	_,5 15 11	ļ ''		,,55	22		.,000 }	- 01		5,000	L-1

Remarks/Recommendations:

OBM RECEIVED: 3444 bbls / OBM RETURNED: 0

OBM ON SURFACE--- 2679 bbls (Storage + Active)

OBM LOSS/GAIN--(Daily: -96bbls)----Total (-96bbls)

Rig Activity:

In the past 24hrs: TIH tag top of float collar, drill out shoe track and perform FIT to 11.6EMW. Circulate and condition mud while performing repairs to Mud lines. Resume drilling operations on Intermediate section. With initial pump rate at 660gpm, drill into new formation, once BHA got pass the shoe, increase Rate to 886gpm, ROP 750-1000ft/hr. Elevated pump rate, surpass the performance on the shakers, and Dryer Shakers, causing OBM overflow into cuttings tank. estimated recovery (10%+-) of the overflow. Agressive additions of Diesel & Water to offset such losses, and respective chemicals to maintain properties. Transfer OBM as needed to maintain Volume in active system. At this time: Continue Drilling (rotating/Sliding) on Intermediate section, Bit currently passing 7350'.

Eng	j. 1:	Mil	ke Wa	ashbı	ırn	Er	ng. 2:	Adolf	Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Pho	one:	36	61-94	5-577	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 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	\$13,769.33	\$20,470.20
												INCLUDI	NG 3RD PAR	TY CHARGES	\$31,462.53	\$38,163.40

Date 01/19/21	Operator MAGI	NOLIA OIL		Well Name a	nd No. ABINE D 4-	н	Rig Name and 248			ort #4
	DAILY	USAGE 8	& COST							LATIVE
			Previous		Closing	Daily		Cı		
Item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost	Usa		Cum Cost
SAPP (50)	50# sk	\$44.56	10		10				30	\$1,336.80
PHPA LIQUID (pail)	5 gal	\$41.36	60		60				2	\$82.72
EVO-LUBE	gal	\$14.00	550		550					
NEW GEL (PREMIUM)	100# sk	\$19.75	70		70					
ALUMINUM TRISTEARATE	25# sk	\$162.83	19		19					
CACL2 (50)	50# sk	\$14.32	260		224	36	\$515.52		56	\$801.92
LIME (50)	50# sk	\$5.00	225		190	35	\$175.00		60	· ·
OPTI - G	50# sk	\$30.59	165		120	45	\$1,376.55		45	\$1,376.55
BENTONE 38 (50)	50# sk	\$163.94	19		15	4	\$655.76		4	\$655.76
BENTONE 910 (50)	50# sk	\$59.40	40		40					
BENTONE 990 (50)	50# sk	\$83.59	50		50					
OPTI - MUL	gal	\$10.75	110		110				55	\$591.25
OPTI - WET	gal	\$8.34	440		385	55	\$458.70		110	<u> </u>
NEW PHALT	50# sk	\$38.72	200		160 40	40	\$1,548.80	<u> </u>	40	\$1,548.80
OIL SORB (25)	25# sk	\$4.75	40		40					
NEW CARB ULTIMIX	50# sk	\$6.35	106		90	16	\$101.60		16	\$101.60
NEW CARB (M)	50# sk	\$5.25	60		60					
CYBERSEAL	25# sk	\$21.47					6501.00	<u> </u>		# F0/ 1
MAGMAFIBER F (25)	25# sk	\$28.05	240		220	20	\$561.00		20	\$561.00
MAGMAFIBER R (30) VARISEAL	30# sk 50# sk	\$28.05 \$26.50	38 24		38 20	4	\$106.00		4	\$106.00
FIBER PLUG	30# sk	\$30.37	24		20	4	\$106.00		4	\$100.00
NUT PLUG M (50)	50# sk	\$12.04	75		65	10	\$120.40		10	\$120.40
1101 1 200 M (00)	oon ok	Ψ12.01	70		00	10	Ψ120.10		- 10	ψ120.10
NEW WATE (SACK BARITE)	100# sk	\$11.50	180		180					
BARITE BULK (100)	100# sk	\$7.00	1636		1636					
								-		
OPTI DRILL (OBM)	bbl	\$65.00	2611	481	2996	96	\$6,240.00		96	\$6,240.00
DISCOUNTED OBM	bbl	\$15.00	352		352					
				_						
								 		
								 		
	1									
							\$1,850.00			\$5,550.00
ENGINEERING (24 HR)	each	\$925.00						l		. u.a DO OO
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00		6	\$180.00
	-					2	\$60.00		6	\$180.00
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00		6	\$180.00
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00		6	\$180.00
ENGINEERING (DIEM) ENGINEERING (MILES)	bbl each	\$30.00 \$1.00				2	\$60.00		6	\$180.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt)	bbl each	\$30.00 \$1.00 \$2.65				2	\$60.00		6	\$180.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each	\$30.00 \$1.00 \$2.65 \$795.00				2	\$60.00		6	\$180.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min) PALLETS (ea)	each each each each	\$30.00 \$1.00 \$2.65				2	\$60.00		6	\$180.00
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min)	each each	\$30.00 \$1.00 \$2.65 \$795.00 \$12.00				2	\$60.00		6	\$180.00

Date	Operator			Well Name a	ınd No.		Rig Name an	d No.	Report No.	
01/19/21	MAG	NOLIA OIL	& GAS	S	ABINE D 4	-Н	24	18	Repo	rt #4
	DAILY	USAGE 8	& COST						CUMUL	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	120		120					
DIESEL DELIVERY 1-14-21	gal	\$1.74	7000			7000	\$12,180.00		7000	\$12,180.00
DIESEL DELIVERY 1-15-21	gal	\$1.79	7000		3920	3080	\$5,513.20		3080	\$5,513.20
		<u>I</u>	<u> </u>	<u> </u>	Delle C	ıb.Total #4	7 602 20		647.0	02.20
					Daily St	ıb-Total \$1	7,693.20		\$17,6	93.ZU
	1					 I				
	Cum	ulative Tota	I AES & 3rd	Party \$38	,163.40					

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name: MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: SAB

SABINE D 4-H

4/04/04 4/00/04 4/00/04 4/04/04		WEEK 3
1/21/21 1/22/21 1/23/21 1/24/21	1/25/21 1/26/21 1/27/21 1/28/21 1/29/21 1/30/21 1/31/21	
Thu Fri Sat Sun	Mon Tue Wed Thu Fri Sat Sun	Mon Tue Wed Thu Fri Sat Sun
3,346 3,346 3,346 3,346	3,346 3,346 3,346 3,346 3,346 3,346	3 3,348 3,348 3,348 3,348 3,348 3,348 3,348
3,348 3,348 3,348 3,348	3,348 3,348 3,348 3,348 3,348 3,348 3,348	3 3,348 3,348 3,348 3,348 3,348 3,348 3,348
comments:	Comments:	Comments:
	1/25/21	2/1/21
and a Marine CDM Large of the		
	1/26/21	2/2/21
	4/07/04	2/3/21
	1727/21	23/21
	1/28/21	2/4/21
	1/29/21	2/5/21
_		
	1/30/21	2/6/21
of is	3,348 3,348	3,348 3,348

110 Old Market St.

St Martinville, LA 70582

Mud Lost To Cuttings = bbls

Mud Lost To Formation = bbls

TEL: (337) 394-1078

2.7° 8,999' TVD

Operator MAGN	NOLIA (OIL & G	AS	Contractor PA	TTERSO	ON	County / Paris	h / Block	N	_	or Start Date	24 hr	ftg.		Drilled De	,188 f	t
Well Name and No	ABINE	D 4-H		Rig Name a	nd No. 248		State T	EXAS		Spud Da	ate 01/16/21		nt ROP 350 ft/h ı		Activity DF	RILLIN	IG
Report for	VED / II	IM LIAD	DICON	Report for	al Dual		Field / OSC-G			Fluid Ty	-	Circul	ating Rate			Pressure	
JAMES D'			TY SPECI		ool Pusl	iei		DDIGNS DLUME (BI	BI \		OBM PUMP #1		795 gpm		-	210 р R вооз	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	•	BL) 3 bbl	Liner				25	Liner S		5.25
9-10.5	5-20	4-15	>350	±265K	<10 <15		In Hol) bbl	Strol				2	Stroke		12
		JD PROP	ERTIES				Active		3 bbl	bbl/s				763	bbl/st		0763
Time Sample	Taken			2:00		15:30	Storag	je <u>193</u>	4 bbl	stk/n	nin 1	24 stk	:/min 1	24	stk/mi	n	
Sample Locat	ion			suction		shaker	Tot. on Lo	cation 352	7 bbl	gal/n	nin 3	97 ga	I/min 3	97	gal/mi	n	
Flowline Temp	perature °	F		155 °F		160 °F	Mud Wt.	= 9.3 PV	′=12	YP=	:10 CI	RCULATIO	ON DATA		n = 0.6	28 K=	223.4
Depth (ft)				6,902'		9,201'	Bit	Depth = 9,	188 '		Wash	nout = 2%		Pump	Efficien	cy = 95	%
Mud Weight (լ	ppg)			9.3		9.5	Drill String	Volume	to Bit	156.7	bbl St	rokes To Bi	t 2,054		Time To	Bit 8	min
Funnel Vis (se	ec/qt)		@ 135 °F	44		43	Disp.	Bottoms U	lp Vol.	653.0	bbl Bott	omsUp Stks	8,557	Botto	msUp Ti	me 35	5 min
600 rpm				34		36	88.9 bbl	TotalCii	rc.Vol.	1592.	7 bbl To	otalCirc.Stks	20,872	Tota	Circ. Ti	me 84	4 min
300 rpm				22		23		DRILLIN	G AS	SEMBL	Y DATA		S	OLID	CONT	ROL	
200 rpm				18		17	Tubulars	OD (in.)	ID	(in.)	Length	Тор	Unit		Scree	ns H	lours
100 rpm				13		11	Drill Pipe	5.000	4.2	276	6,515'		Shaker	1	140-8	0	
6 rpm				7		6	Agitator	6.750	2.0	000	30'	6,515'	Shaker	2	140-8	0	
3 rpm				6		5	Drill Pipe	5.000	4.2	276	2,064'	6,545'	Shaker	. 3	140-8	0	
Plastic Viscos	ity (cp)		@ 150 °F	12		13	Dir. BHA			750	580'	8,608'					
Yield Point (lb			T0 = 5	10		10				HOLE							
Gel Strength (,		ec / 10 min	7/12		6/9		OD (in.)	ID	(in.)	Depth	Тор	Centrifuç		140		
Gel Strength (30 min @ 250 °F	16 8.0		11	Riser		0.4	050	0.0001		VOLUM				
HTHP Filtrate	•		@ 250 F	2.0		7.2		10 3/4	9.8	950	2,906'		Prev. T				3348.3
HTHP Cake T Retort Solids ((321105)		11%		12%	Int. Csg. Washout 1						Transfe		Added	. ,	
Corrected Sol				9%		10%	Washout 2								Added	` '	
Retort Oil Con				67%		66%		n Hole Size	10.	.073	9,188'		Other Pr			` '	
Retort Water (22%		22%		NULAR GI				OGY	-		Added	` '	
O/W Ratio				75:25		75:25	annule	or.		volo	city flow	ECD	Le	ft on C	Cuttings	(-)	
Whole Mud C	hlorides (r	mg/L)		50,000		51,000	annula sectio	ı de	epth	veloo ft/m	,		Non-Red	overa	ble Vol.	(-)	
Water Phase	Salinity (p	pm)		262,745		266,599		ļ		1	<u> </u>						
Whole Mud Al	lkalinity, P	om		4.0		2.8	9.95x	5 2,9	906'	263	3.2 turb	9.80	Est. T	otal o	n Locat	ion 3	3348.3
Excess Lime ((lb/bbl)			5.2 ppb		3.6 ppb	10.073	x5 6,5	515'	254	.8 lam	9.94	Est. Los	ses/G	ains (-)/	(+)	178.4
Electrical Stat	oility (volts	s)		422 v		486 v	10.073x6	6.75 6,5	545'	348	s.5 turb	10.24	BIT	HYDR	AULIC	S DATA	4
Average Spec	ific Gravit	y of Solid	s	2.83		2.86	10.073	x5 8,6	808'	254	.8 lam	10.36	Bit H.S.I.	Bit	ΔΡ Ν	lozzles (32nds
Percent Low (Gravity So	lids		6.5%		7.1%	10.073	x8 9,′	188'	520	.0 turb	10.72	1.47	243	psi	14 14	14
ppb Low Grav	ity Solids			54 ppb		58 ppb							Bit Impact	Noz Velc		14 14	14
Percent Barite)			2.5%		2.9%			1				Force	(ft/s		16 16	16
ppb Barite				35 ppb		42 ppb	BIT	DATA	Ма	nuf./Ty	pe Ulte	rra SPL613	655 lbs	17	' 1		
Estimated Tot	al LCM in	System					Size	Depth In	Но	ours	Footage	ROP ft/hr	Motor/M	WD	Calc. 0	Circ. Pre	ssure
Sample Taker	п Ву			A ROMAN		M.Washburn	9 7/8	2,916 ft	19	9.0	4,334 ft	228.1	1,330	osi	3	,794 ps	si
Afternoon Rem			ons:				Afternoon F	Rig Activity:									
	g Volume						D-:III	na rotota	and -	olido -	riontin -	anglo is C	7/8" verica	l bols	0004:-	n mai-	toi~
Todays V	/olume =	bbls						J,		,	J	0	ep every 30			,	

fresh water for OWR, Lime and Optimul for alkalinty and ES, OptiG Gilsonite for HTHP control, and Newphalt for wellbore stability. Depth at time of report is 9346'. Recieve 480 bbls 0f 9.0 OBM from Newpark Madisonville WH.

9,511' TVD

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

0.7°

	NOLIA (OIL &	GAS		TTERSO	ON		Block HINGTO	N	_	1/16			2,674 ft		Drilled	9,92	24 ft	
Well Name and No.		D 4 11		Rig Name ar			State	-۷46		Spud Date		104	Current	ROP 178 ft/hi		Activity		0 11	
Report for	SABINE	υ 4-n		Report for	248		Field / OCS-G #	EXAS		Fluid Type	1/16	121		ting Rate		Circula	ting Pre	OH ssure	
JAMES D	YER / J	ІМ НА	RRISON	To	ol Pusi	her	GID	DIGNS			ОВІ	И		801 gpm	1	4	,820 4,820) psi	i
	MUD	PROPE	RTY SPECIF	ICATION	s		MUD VO	LUME (BE	3L)	F	PUMP	#1		PUMP #2		RIS	ER B	OOST	ER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	639	9 bbl	Liner S	Size	5.25	Liner	Size 5.	25	Liner	Size	5.2	25
9-10.5	5-20	4-15	>350	±265K	<10 <15	<10	In Hole	879	9 bbl	Strok	ке	12	Stro	oke 1	2	Stro	oke	12	2
	<u>I</u>			1/20/21		1/19/21	Active	149	6 bbl	bbl/s	tk	0.0763	bbl/	/stk 0.0	763	bbl	/stk	0.07	7 63
Time Sample	Taken			2:00		15:30	Storage	218	5 bbl	stk/m	nin	125	stk/	min 1	25	stk/	/min	0)
Sample Locati	on			suction		shaker	Tot. on Loc	cation 370	3 bbl	gal/m	nin	401	gal/	min 40	01	gal/	/min	0)
Flowline Temp	erature °F	=		160 °F		160 °F	F	PHHP = 225	53		CIR	CULATIC	N DA	TA		n = 0	0.670	K = 172	2.089
Depth (ft)				9,826'		9,201'	Bit I	Depth = 9,7	700 '		V	ashout =	2%		Pump	Effici	ency	= 95%	
Mud Weight (p	opg)			9.6		9.5	Drill String	Volume	to Bit	165.8	bbl	Strokes	To Bit	2,173		Time '	To Bit	9 m	nin
Funnel Vis (se	c/qt)		@ 135 °F	43		43	Disp.	Bottoms U	Jp Vol.	691.0	bbl	BottomsU	o Stks	9,056	Botto	msUp	Time	36 n	nin
600 rpm				35		36	92.3 bbl	TotalCi	rc.Vol.	1495.8	B bbl	TotalCir	c.Stks	19,603	Tota	ıl Circ.	Time	78 n	nin
300 rpm				22		23		DRILLIN	G ASS	SEMBLY	Y DAT	A		s	OLID	s co	NTRO	L	
200 rpm	•			17		17	Tubulars	OD (in.)	ID	(in.)	Leng	ıth T	ор	Unit		Scre	eens	Hou	ırs
100 rpm	rpm			12		11	Drill Pipe	5.000	4.	276	7,02	7'	0'	Shaker	1	140	08-0	24.	.0
6 rpm	•			6		6	Agitator	6.750	2.	000	30	7,0	027'	Shaker	2	140	08-0	24.	.0
3 rpm				5		5	Drill Pipe	5.000	4.	276	2,06	4' 7,0	057'	Shaker	3	140	0-80	24.	.0
Plastic Viscosi	ity (cp)		@ 150 °F	13		13	Dir. BHA	8.000	2.	750	580)' 9,	120'						
Yield Point (lb/	/100 ft²)		T0 = 4	9		10		CASIN	IG & I	HOLE D	ATA								
Gel Strength (lb/100 ft²)	10	0 sec/10 min	7/11		6/9	Casing	OD (in.)	ID	(in.)	Dep	th T	ор	Centrifuç	ge 1	14	40	24.	.0
Gel Strength (lb/100 ft ²)		30 min	14		11	Riser							VOLUM	IE AC	cou	NTIN	G (bbls	s)
HTHP Filtrate	(cm/30 m	in)	@ 250 °F	7.0		7.2	Surface	10 3/4	9.	950	2,90	6'	0'	Prev. T	otal o	n Loc	ation	334	48.3
HTHP Cake T	hickness	(32nds)		2.0		2.0	Int. Csg.						0'	Transfe	erred I	n(+)/C	Out(-)	4	76.0
Retort Solids (Content			12%		12%	Washout 1								Oil	Adde	ed (+)	17	75.6
Corrected Soli	ds (vol%)			10%		10%	Washout 2								Barite	Adde	ed (+)	;	33.8
Retort Oil Con	tent			67%		66%	Oper	Hole Size	10	.073	9,92	4'		Other Pr	oduct	Usag	ge (+)		7.6
Retort Water (Content			21%		22%	ANI	NULAR GE	ОМЕ	TRY & I	RHEO	LOGY		١	Nater	Adde	ed (+)	į.	50.0
O/W Ratio				76:24		75:25	annular	· me	eas.	veloc	,		CD	Le	ft on 0	Cutting	gs (-)	-26	63.5
Whole Mud Ch	nlorides (n	ng/L)		50,000		51,000	section	de	epth	ft/mi	in	reg lb/	gal gal	Non-Red	overa	ble V	ol. (-)	-7	74.9
Water Phase	Salinity (p	pm)		271,855		266,599									Centri	ifuge/	Evap	-(50.0
Whole Mud Al	kalinity, P	om		3.0		2.8	9.95x5	2,9	906'	265.	.4	urb 9	.96	Est. T	otal o	n Loc	ation	370	02.9
Excess Lime (lb/bbl)			3.9 ppb		3.6 ppb	10.073x	5 7,0	027'	256.	.8 1	urb 10	.02	Est. Los	ses/G	ains ((-)/(+)		0.0
Electrical Stab	ility (volts)		465 v		486 v	10.073x6.	75 7,0	057'	351.	.3 1	urb 10	.17	BIT	HYDR	RAUL	ICS D	ATA	
Average Spec	ific Gravit	y of Solid	ds	3.01		2.86	10.073x	5 9, ·	120'	256.	.8 1	urb 10	.24	Bit H.S.I.	Bit	ΔΡ	Nozz	les (32	nds)
Percent Low C	Gravity So	lids		6.2%		7.1%	10.073x	8 9,	700'	524.	.2 1	urb 10	.47	1.56	255	psi	14	14	14
ppb Low Grav	ity Solids			51 ppb		58 ppb								Bit Impact	Noz Velc	zzle	14	14	14
Percent Barite	1			3.8%		2.9%								Force	(ft/s	•	16	16	16
ppb Barite				54 ppb		42 ppb	BIT D	ATA	Ma	anuf./Ty	pe l	Jlterra SF	PL613	687 lbs	17	72			
Estimated Total	al LCM in	System	ppb				Size	Depth In	Н	ours	Foota	ige ROF	ft/hr	Motor/M	WD	Calc	. Circ	. Press	sure
Sample Taker	в Ву			A ROMAN	0	M.Washburn	9 7/8	2,916 ft	3	4.0	7,008	3 ft 20	6.1	1,330 ן	osi		4,01	9 psi	

Remarks/Recommendations:

OBM RECEIVED: 3920 bbls / OBM RETURNED: 0

OBM ON SURFACE--- 2837 bbls (Storage + Active)

OBM LOSS/GAIN--(Daily: -96bbls)----Total (-96bbls)

Rig Activity:

In the past 24hrs: Drilling operations on Intermediate section. Maintain pump rate at 886gpm, ROP 400-600ft/hr. Maintain agressive additions of Diesel & Water to offset evaporation and mud lost to cuttings, & chemicals to maintain properties. Pump 10bbls LCM sweep (Magmafiber/NewPhalt/Nut Plug) 4ppb/ea. every 300'. Transfer OBM as needed to maintain Volume in active system. Perform Electrical repairs to Top Drive 4hrs. Maintain circulation during this time. Resume drilling for 100', MWD not acquiring data. Troubleshoot with no success. Pump Slug and start POOH to change out MWD. At this time: Continue POOH passing 9600'.

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	Ph	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 1	O 1	carefully	and may be	ecommendation, ex used if the user so ation, and this is a	elects, however	, no representation	as been prepared on is made as to the	\$16,101.30	\$36,571.50
												INCLUDI	NG 3RD PAR	TY CHARGES	\$29,034.10	\$67,197.50

01/20/21	Operator MAGI	NOLIA OIL		Well Name a	ING INO. ABINE D 4-	Н	Rig Name an		No. Report #5
		USAGE 8							MULATIVE
Item	Unit	Unit Cost	Previous	Received	Closing	Daily	Daily Cost	Cun	Cum Cos
			Inventory	Received	Inventory	Usage	Daily Cost	Usag	je
SAPP (50)	50# sk	\$44.56	10		10				30 \$1,336.80
PHPA LIQUID (pail) EVO-LUBE	5 gal	\$41.36 \$14.00			60 550				2 \$82.72
NEW GEL (PREMIUM)	gal 100# sk	\$14.00	70		70				
ALUMINUM TRISTEARATE	25# sk	\$162.83	19		19				
		***************************************			1				
CACL2 (50)	50# sk	\$14.32	224		224				56 \$801.92
LIME (50)	50# sk	\$5.00	190		170	20	\$100.00		80 \$400.00
OPTI - G	50# sk	\$30.59	120		100	20	\$611.80		65 \$1,988.35
BENTONE 38 (50)	50# sk	\$163.94	15		15		·		4 \$655.76
BENTONE 910 (50)	50# sk	\$59.40	40		40				
BENTONE 990 (50)	50# sk	\$83.59	50		50				
OPTI - MUL	gal	\$10.75	110		110				55 \$591.25
OPTI - WET	gal	\$8.34	385		330	55	\$458.70		165 \$1,376.10
NEW PHALT	50# sk	\$38.72	160		140	20	\$774.40		60 \$2,323.20
OIL SORB (25)	25# sk	\$4.75	40		40				
NEW CARB ULTIMIX	50# sk	\$6.35	90		80	10	\$63.50		26 \$165.10
NEW CARB (M)	50# sk	\$5.25	60		60				
CYBERSEAL	25# sk	\$21.47							
MAGMAFIBER F (25)	25# sk	\$28.05	220		210	10	\$280.50		30 \$841.50
MAGMAFIBER R (30)	30# sk	\$28.05	38		38				
VARISEAL	50# sk	\$26.50	20		20				4 \$106.00
FIBER PLUG	30# sk	\$30.37	C.F.			40	£420.40		20 0240.00
NUT PLUG M (50)	50# sk	\$12.04	65		55	10	\$120.40		20 \$240.80
NEW WATE (SACK BARITE)	100# sk	\$11.50			180				
BARITE BULK (100)	100# sk	\$7.00	1636		1150	486	\$3,402.00		486 \$3,402.00
								<u> </u>	
								<u> </u>	
								-	
								<u> </u>	
ODTI DDII I (ODM)	LI. I	#05.00	2000	470	2050	400	¢7 000 00		210 044 470 00
OPTI DRILL (OBM)	bbl	\$65.00	2996	476	3350	122	\$7,930.00		218 \$14,170.00
DISCOUNTED OBM	bbl	\$15.00	352		352				
	501	Ψ10.00	332		332				
								<u> </u>	
								<u> </u>	
								<u> </u>	
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00	 	8 \$7,400.00
ENGINEERING (24 HR) ENGINEERING (DIEM)	bbl	\$30.00				2			8 \$240.00
ENGINEERING (MILES)	each	\$1.00				450			450 \$450.00
- \/		Ţ							Ţ.50.0C
	1								
								L	
	each	\$2.65							
TRUCKING (cwt) TRUCKING (min)	each each	\$795.00							

01/20/21	I	USAGE 8		S	ABINE D 4	-Н	24		Repo	rt #5
ltem		USAGE 8	k COST							
ltem	Unit							CU	MUL	ATIVE
nom		Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cu Usa	n ge	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75	120		120					
DIESEL DELIVERY 1-14-21	gal	\$1.74							7000	\$12,180.00
DIESEL DELIVERY 1-15-21	gal	\$1.79	3920			3920	\$7,016.80		7000	\$12,530.00
DIESEL DELIVERY 1-19-21	gal	\$1.74		14400	11000	3400	\$5,916.00		3400	\$5,916.00
								<u> </u>		
										<u> </u>
										<u> </u>
					Daily Su	ıb-Total \$1	2,932.80		30,62	26.00
					_					
	Cum	ulative Tota	I AES & 3rd	Party \$67,	197.50					
						1				

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name:

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: SAB

SABINE D 4-H

					WEEK 1							WEEK 2							WEEK 3			
	Date	1/18/21	1/19/21	1/20/21	1/21/21	1/22/21	1/23/21	1/24/21	1/25/21	1/26/21	1/27/21	1/28/21	1/29/21	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21
		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																		
Grand	Starting Depth	2,916	2,916	7,250	9,924																	
Totals	Ending Depth	2,916	7,250	9,924	•																	
	Footage Drilled	-,0.0	4,334	2,674	_	-	-	-	_	_	-	_	_	_	_	_	_	_	_	-	_	_
•	New Hole Vol.	-	411	253		_	-		-				-		-		-	-	-	-		
		+	_																			
	Starting System Volume Chemical Additions	2,480	2,963	3,348	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,70
_		6	17	8 176																		
	Base Fluid Added	+ -	241																			
	Barite Increase			34																		
	Weighted Mud Added	477	481	476																		
	Slurry Added	-	-	-																		
		-	150	50																		
	Added for Washout	-	-	-																		
2,116	Total Additions	483	890	743	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
174	Surface Losses	-	99	75																		
-	Formation Loss	-	-	-																		
669	Mud Loss to Cuttings	-	406	264																		
-	Unrecoverable Volume	-	-	-																		
50	Centrifuge Losses	-	-	50																		
893	Total Losses	-	505	388	-	-	_	-	-	-	-	-	-	-	_	-	-	-	_	-	-	-
	Mud Transferred Out	+																				
																					l	
3,703	Ending System Volume	2,963	3,348	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703
-	Mud Recovered																					
				С	omment	s:					_	omment	s:					С	omment	s:		
			Ninnle un	I I I DC							C	Omment										
				and test BC	P, Fill up p	oits with OE	BM Pre Tre	at with				Onnient										
		1/18/21	CaCl2 and	Lime. Opt	ti Wet and	oits with OE Opti Mul. S			1/25/21			omment				2/1/21						
	7	1/18/21		Lime. Opt	ti Wet and				1/25/21			omment				2/1/21						
3,914		1/18/21	CaCl2 and & 80's. NO	I Lime. Opt DV screens ermeditate	ti Wet and	Opti Mul. S	Screen up v M = losses	with 140's	1/25/21			omment				2/1/21 2/2/21						
3,914			CaCl2 and & 80's. NO	I Lime. Opt DV screens ermeditate	ti Wet and	Opti Mul. S	Screen up v M = losses	with 140's				omment										
3,914		1/19/21	CaCl2 and & 80's. NO Drilling Inte shakers. A	I Lime. Opt DV screens ermeditate	section. M	Opti Mul. S lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	1/26/21			Omment				2/2/21						
3,914			CaCl2 and & 80's. NO Drilling Inteshakers. A	I Lime. Opt DV screens ermeditate Aggressive	section. Madditions commedite see	Opti Mul. \$ lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.				Omment										
3,914		1/19/21	CaCl2 and & 80's. NO Drilling Inteshakers. A	I Lime. Opt DV screens ermeditate Aggressive ead on Inte	section. Madditions commedite see	Opti Mul. \$ lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	1/26/21			Omment				2/2/21						
3,914		1/19/21	CaCl2 and & 80's. NO Drilling Inteshakers. A	I Lime. Opt DV screens ermeditate Aggressive ead on Inte	section. Madditions commedite see	Opti Mul. \$ lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	1/26/21			omment				2/2/21						
3,914		1/19/21	CaCl2 and & 80's. NO Drilling Inteshakers. A	I Lime. Opt DV screens ermeditate Aggressive ead on Inte	section. Madditions commedite see	Opti Mul. \$ lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	1/26/21			omment				2/2/21 2/3/21 2/4/21						
3,914		1/19/21	CaCl2 and & 80's. NO Drilling Inteshakers. A	I Lime. Opt DV screens ermeditate Aggressive ead on Inte	section. Madditions commedite see	Opti Mul. \$ lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	1/26/21			omment				2/2/21						
3,914		1/19/21 1/20/21 1/21/21	CaCl2 and & 80's. NO Drilling Inteshakers. A	I Lime. Opt DV screens ermeditate Aggressive ead on Inte	section. Madditions commedite see	Opti Mul. \$ lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	1/26/21 1/27/21 1/28/21 1/29/21							2/2/21 2/3/21 2/4/21 2/5/21						
3,914		1/19/21	CaCl2 and & 80's. NO Drilling Inteshakers. A	I Lime. Opt DV screens ermeditate Aggressive ead on Inte	section. Madditions commedite see	Opti Mul. \$ lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	1/26/21 1/27/21 1/28/21							2/2/21 2/3/21 2/4/21						
3,914		1/19/21 1/20/21 1/21/21	CaCl2 and & 80's. NO Drilling Inteshakers. A	I Lime. Opt DV screens ermeditate Aggressive ead on Inte	section. Madditions commedite see	Opti Mul. \$ lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	1/26/21 1/27/21 1/28/21 1/29/21							2/2/21 2/3/21 2/4/21 2/5/21						

110 Old Market St. St Martinville, LA 70582

TEL: (337) 394-1078

4.9° 968' TVD

		OIL & G	AS		TERSO	ON	County / Paris	h / Block HINGT(N		/16/21	24 hr f			Orilled De	9,924	ft
Well Name and No		-		Rig Name ar			State	=>/.4.0		Spud Date	// 0/0/	Currer	nt ROP	A	Activity		
Report for	ABINE	D 4-H		Report for	248		Field / OSC-G	EXAS		01 Fluid Type	/16/21	Circula	ating Rate		Circulatin	RIH g Pressu	
JAMES D'	/ER / JI	M HAR	RISON		ol Pusi	ner		" DIGNS			ОВМ	Oirean	ating reace	Ì	Siroulatii	g 1 1000u	Ü
				FICATION				DLUME (E			JMP #1		PUMP #2		RISE	R BOC	STER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits		2 bbl	Liner Siz		Line		25	Liner S		5.25
9-10.5	5-20	4-15	>350	±265K	<10 <15	<10	In Hole		6 bbl	Stroke				2	Strok		12
		JD PROP			110 110	110	Active		0 bbl	bbl/stk				763	bbl/s		0.0763
Time Sample				2:00		11:00	Storag		35 bbl	stk/min			/min	., 00	stk/m		7.07 00
Sample Locati				suction		suction	Tot. on Lo			gal/min			/min		gal/m		
Flowline Temp		=		160 °F		Subtroff	Mud Wt. :		/=13	YP=9			N DATA				= 172.
Depth (ft)	Ciataic			9,826'		9,924'		Depth =		11 = 3	Washout			Pump I			
Mud Weight (r	opa)			9.6		9.6	Dit			: 10.8 bb		s To Bit			ime To		
	. 0,		@ 135 °F	43		45	Drill String Disp.										
Funnel Vis (se	c/qt)		@ 133 F	35			25.2 5.51			47.1 bb		•			nsUp T		
600 rpm						36	35.3 bbl			639.9 b		irc.Stks			Circ. T		
300 rpm				22		23	.			SEMBLY		_		OLIDS			
200 rpm				17		17	Tubulars	` '		` ,	ength	Тор	Unit		Scree		Hours
100 rpm				12		11	Drill Pipe			276	0'	01	Shaker		140-8		
6 rpm				6		6	Agitator			000	30'	0'	Shaker		140-8		
3 rpm				5		5	Drill Pipe			276	359'	30'	Shaker	r 3	140-8	30	
Plastic Viscos	• • • • • • • • • • • • • • • • • • • •		@ 150 °F	13		13	Dir. BHA	8.000		750	580'	389'					
Yield Point (lb.			T0 = 4	9		10				HOLE DA							
Gel Strength (lb/100 ft²)	10 se	ec / 10 min	7/11		7/10	Casing	OD (in.)	ID	(in.) I	Depth	Тор	Centrifuç		140		
Gel Strength (lb/100 ft2)	30 min	14		13	Riser						VOLUN	ME ACC	COUN	TING (obis)
HTHP Filtrate			@ 250 °F	7.0		7.0		10 3/4	9.9	950 2	2,906'		Prev. T				3702.9
HTHP Cake T	hickness	(32nds)		2.0		2.0	Int. Csg.						Transfe	erred In	ı(+)/Oı	ıt(-)	
Retort Solids (Content			12%		12%	Washout 1							Oil	Added	(+)	
Corrected Sol				10%		10.1%	Washout 2							Barite /		` ,	
Retort Oil Con	tent			67%		67%	Oper	Hole Siz	e 10.	.073 9	9,924'		Other Pr	oduct	Usage	(+)	
Retort Water (Content			21%		21%	AN	NULAR G	EOME	TRY & R	HEOLOG\		4	Water <i>i</i>		` ,	
O/W Ratio				76:24		76:24	annula		epth	velocity	, i i	ECD	Le	ft on C	uttings	s (-)	
Whole Mud Cl	nlorides (r	ng/L)		50,000		49,000	sectio	n		ft/min	reg	b/gal	Non-Red	overab	ole Vol	. (-)	
Water Phase	Salinity (p	pm)		271,855		267,875								Centrif	uge/E	vap	
Whole Mud Al	kalinity, P	om		3.0		2.8	9.95x	5	0'		lam	9.60	Est. T	otal or	Loca	tion	3702.9
Excess Lime (lb/bbl)			3.9 ppb		3.6 ppb	9.95x6.	75	30'		lam	9.60	Est. Los	ses/Ga	ains (-)	/(+)	0.0
Electrical Stab	ility (volts)		465 v		455 v	9.95x	5	389'		lam	9.60	BIT	HYDR	AULIC	S DAT	Α
Average Spec	ific Gravit	y of Solids	3	3.01		3.01	9.95x	8	969'		lam	9.60	Bit H.S.I.	Bit /	ΔP I	Nozzles	(32nds
Percent Low C	Gravity So	lids		6.2%		6.3%										14 1	4 14
ppb Low Grav	ity Solids			51 ppb		52 ppb							Bit Impact	Noz: Velo		14 1	4 14
Percent Barite	1			3.8%		3.8%			1				Force	(ft/se	-	16 1	6 16
ppb Barite				54 ppb		54 ppb	BIT	DATA	Ма	nuf./Type	e Ulterra S	SPL613					
Estimated Tot	al LCM in	System					Size	Depth Ir	Но	ours F	ootage R	OP ft/hr	Motor/M	WD	Calc.	Circ. P	ressure
Sample Taker	Ву			A ROMAN		M.Meehan	9 7/8	9,924 ft			#	DIV/0!				17 ps	i
Afternoon Rem	arks/Recor	mmendatio	ns:				Afternoon F	Rig Activity									
Pump 10	bbl swee	p every 30	00 ft. Swe	ep Contair	ns: 10 ppb)											
CalCarb I	Medium, 1	10 ppb Ne	wphalt an	d 10 ppb l	Magnafibe	er fine		tinue to F D. RIH.	ООН.	Laid do	wn BHA. N	1ake up	o new BHA	A with I	bit, mu	ıd mot	or and

TEL: (337) 394-1078

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° 0' TVD

MAGNOLIA OIL & GAS PATTERSON WASHINGTON 01/16/21 247 ft 10,171 ft Well Name and No Name and No. **SABINE D 4-H** 248 **TEXAS** 01/16/21 0 ft/hr LD BHA Field / OCS-G # Report fo eport for luid Type rculating Rate Circulating Pressure **Tool Pusher GIDDIGNS Bobby Gwin/ Kevin Burt OBM** 0 gpm MUD PROPERTY SPECIFICATIONS PUMP #1 PUMP #2 RISER BOOSTER MUD VOLUME (BBL) Weight CaCl2 **GELS** HTHP In Pits 425 bbl Liner Size 5.25 Liner Size 5.25 Liner Size 9-10.5 5-20 4-15 >350 ±265K <10 <15 <10 In Hole 996 bbl Stroke 12 Stroke 12 Stroke 12 1/21/21 1/20/21 425 bbl 0.0763 bbl/stk 0.0763 bbl/stk 0.0763 bbl/stk 2185 bbl stk/min 0 Time Sample Taken 2:00 11:00 Storage stk/min stk/min gal/min gal/min suction suction 3606 bbl Sample Location Tot. on Location gal/min O 0 O n = 0.670 K = 172.089 Flowline Temperature °F PHHP = 0**CIRCULATION DATA** Depth (ft) 10.171 9 924 Bit Depth = Washout = 2% Pump Efficiency = 95% Mud Weight (ppg) 9.5 96 Volume to Bit 0.0 bblStrokes To Bit Time To Bit Drill String Disp. Funnel Vis (sec/qt) @ 125 °F 46 45 Bottoms Up Vol. 0.0 bbl BottomsUp Stks BottomsUp Time 36 600 rpm 35 0.0 bbl TotalCirc Vol. 425.0 bbl TotalCirc Stks Total Circ. Time **DRILLING ASSEMBLY DATA SOLIDS CONTROL** 300 rpm 22 23 17 17 OD (in.) Unit 200 rpm **Tubulars** ID (in.) Length Top Screens Hours 12 11 Drill Pipe 4.276 0 0' Shaker 1 140-80 24.0 100 rpm 5.000 Shaker 2 6 6 6.750 2.000 140-80 Agitator 24.0 6 rpm 5 5 Drill Pipe 5.000 4.276 0' Shaker 3 140-80 24.0 3 rpm Dir. BHA 13 13 8.000 Plastic Viscosity (cp) Yield Point (lb/100 ft²) T0 = 9 10 **CASING & HOLE DATA** 7/10 7/10 Casing OD (in.) ID (in.) 3.0 Gel Strength (lb/100 ft²) 10 sec/10 min Depth Top Centrifuge 1 140 30 min 13 13 **VOLUME ACCOUNTING (bbls)** Gel Strength (lb/100 ft2) @ 250 °F 7.0 7.0 Surface 10 3/4 9.950 2.906 0' 3702.9 HTHP Filtrate (cm/30 min) Prev. Total on Location HTHP Cake Thickness (32nds) 2.0 2.0 Int. Csa 0' Transferred In(+)/Out(-) Retort Solids Content 11.8% 12% Washout 1 Oil Added (+) 107.4 Corrected Solids (vol%) 9.8% 10.1% Washout 2 Barite Added (+) 0.0 Retort Oil Content 66.7% 67% Open Hole Size 10.073 10,171 Other Product Usage (+) 1.7 **ANNULAR GEOMETRY & RHEOLOGY** 21.5% Retort Water Content 21% Water Added (+) 76:24 76:24 O/W Ratio Left on Cuttings (-) -24.3 annular meas velocity flow ECD section depth ft/min reg lb/gal 49,000 49.000 Whole Mud Chlorides (ma/L) -153.2 Seepage 263,285 267,875 Water Phase Salinity (ppm) Cent/ Evap/ Pits -29.0 Whole Mud Alkalinity, Pom 2.4 2.8 3605.5 Est. Total on Location Excess Lime (lb/bbl) 3.1 ppb 3.6 ppb Est. Losses/Gains (-)/(+) 0.0 465 v 455 v **BIT HYDRAULICS DATA** Electrical Stability (volts) 2.93 3.01 Bit H.S.I. Average Specific Gravity of Solids Bit ΔP Nozzles (32nds) 6.6% 6.3% Percent Low Gravity Solids 0.00 14 14 ppb Low Gravity Solids Nozzle 14 14 54 ppb 52 ppb 14 Bit Impact Velocity Force Percent Barite 3.2% 3.8% 16 16 16 ppb Barite 46 ppb 54 ppb **BIT DATA** Manuf./Type Ulterra SPL613 0 lbs 0 ROP ft/hr Estimated Total LCM in System Size Depth In Hours Footage Motor/MWD Calc. Circ. Pressure ppb 9.924 ft 5.0 247 ft Sample Taken By R. Bowlin M.Meehan 9 7/8 49.4 psi Remarks/Recommendations: Rig Activity: OBM RECEIVED: 3920 bbls / OBM RETURNED: 0 Made a BHA trip due to issues with the MWD tool, once on bottom drilled to interval OBM ON SURFACE--- 2610 bbls (Storage + Active) TD at 10.171'MD. Pumped one 30bbl sweep for the clean up, pump slug and TOOH. KOP at 9,924'MD 9,734'TVD. Maintained pump rate at 800gpm while drilling OBM LOSS/GAIN--(Daily: -97bbls)----Total (-315bbls)

the remaining 247', continued dilution rates as needed to maintain active MW at 9.45 9.5ppg. At the time of the morning report LD BHA

Е	ng. 1:	M	1att M	leeha	n	Er	ng. 2:	Rob	Bowlin	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Р	none:					Ph	none:	22-9	90-1055	Phone:	432-686-7361	Phone:	-			
W 1	P 1	Y 1	E 1	C 1	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	\$11,066.96	\$47,638.46
												INCLUDI	NG 3RD PAR	TY CHARGES	\$18,917.84	\$86,115.34

110 Old Market St

St Martinville, LA 70582

TEL: (337) 394-1078

12.4° 2,397' TVD

MAGNOLIA OIL & GAS PATTERSON WASHINGTON 01/16/21 10,171 ft Current ROP **SABINE D 4-H TEXAS** 01/16/21 248 **Run Casing** Report for Report for ield / OSC-G # Fluid Type Circulating Rate **Bobby Gwin/ Kevin Burt Tool Pusher GIDDIGNS** OBM **MUD PROPERTY SPECIFICATIONS** MUD VOLUME (BBL) PUMP #1 PUMP #2 RISER BOOSTER P\/ ΥP E.S. CaCl2 **GELS** In Pits 440 bbl 5.25 5.25 5.25 Weight HTHP Liner Size Liner Size Liner Size 9-10.5 5-20 4-15 >350 ±265K <10 <15 <10 In Hole 970 bbl Stroke 12 Stroke 12 Stroke 12 **MUD PROPERTIES** 646 bbl 0.0763 0.0763 0.0763 bbl/stk bbl/stk bbl/stk Active 2:00 Time Sample Taken 11:00 2185 bbl Storage stk/min stk/min stk/min Tot on Location 3595 bbl gal/min Sample Location suction suction gal/min gal/min Flowline Temperature °F Mud Wt. = 9.5PV=13 YP=9 **CIRCULATION DATA** n = 0.670 K = 172.1 Depth (ft) 10.171 10.171 Bit Depth = 2.408 ' Washout = 2% Pump Efficiency = 95% Mud Weight (ppg) 9.5 9.6 Volume to Bit 110.6 bbl Strokes To Bit Time To Bit Drill String @ 125 °F 46 46 Bottoms Up Vol. 95.6 bbl Funnel Vis (sec/qt) BottomsUp Stks BottomsUp Time 600 rpm 35 36 25.4 bbl TotalCirc.Vol. 646.1 bbl TotalCirc.Stks Total Circ. Time DRILLING ASSEMBLY DATA SOLIDS CONTROL 300 rpm 22 22 200 rpm 17 17 Tubulars OD (in.) ID (in.) Length Top Unit Screens Hours 100 rpm 12 11 Drill Pipe 7.625 6.875 2.408 Shaker 1 140-80 6 6 2,408 Shaker 2 140-80 6 rpm Agitator 5 5 Drill Pipe 2,408' Shaker 3 140-80 3 rpm @ 150 °F 13 14 Dir. BHA 2,408 Plastic Viscosity (cp) 9 8 **CASING & HOLE DATA** Yield Point (lb/100 ft2) T0 = 7/10 7/10 OD (in.) Gel Strength (lb/100 ft2) 10 sec / 10 min Casing ID (in.) Depth Top Centrifuge 1 140 **VOLUME ACCOUNTING (bbls)** 30 min 13 13 Gel Strength (lb/100 ft2) Riser HTHP Filtrate (cm/30 min) @ 250 °F 7.0 7 0 Surface 10 3/4 9.950 2.906' Prev. Total on Location 3605.6 2.0 2.0 HTHP Cake Thickness (32nds) Int. Csq. Transferred In(+)/Out(-) Retort Solids Content 11.8% 12% Washout 1 Oil Added (+) 9.8% 10.1% Corrected Solids (vol%) Washout 2 Barite Added (+) Retort Oil Content 66.7% 67% Open Hole Size 10.073 10.171 Other Product Usage (+) 21.5% 21% **ANNULAR GEOMETRY & RHEOLOGY** Retort Water Content Water Added (+) O/W Ratio 76:24 76:24 Left on Cuttings (-) ECD annular velocity depth section ft/min reg lb/gal Whole Mud Chlorides (mg/L) 49.000 49.000 Seepage 263.285 267.875 Cent/ Evap/ Pits -10.4 Water Phase Salinity (ppm) 2.4 2.2 9.95x7.625 2,408 9.50 3595.2 Whole Mud Alkalinity, Pom Est. Total on Location lam Excess Lime (lb/bbl) 3.1 ppb 2.9 ppb Est. Losses/Gains (-)/(+) 0.0 460 v **BIT HYDRAULICS DATA** Electrical Stability (volts) 465 v 2.93 3.01 Bit H.S.I. Nozzles (32nds) Average Specific Gravity of Solids Bit AP Percent Low Gravity Solids 6.6% 6.3% #DIV/0! #DIV/0! ppb Low Gravity Solids 54 ppb 52 ppb Nozzle Bit Impact Velocitv Percent Barite 3.2% 3.8% (ft/sec) **BIT DATA** ppb Barite 46 ppb 54 ppb Manuf./Type #DIV/0! Estimated Total LCM in System Size Depth In Hours ROP ft/hr Motor/MWD Calc. Circ. Pressure Footage M.Meehan #DIV/0! Sample Taken By R. Bowlin 9 7/8 10,171 ft Afternoon Remarks/Recommendations: Afternoon Rig Activity: Pump 10 bbl sweep every 300 ft. Sweep Contains: 10 ppb CalCarb Medium, 10 ppb Newphalt and 10 ppb Magnafiber fine Laid down BHA. Service the rig. Rigged up to run casing. Running 7 5/8" casing.

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110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° 0' TVD

Operator				Contractor			County / Parish /			Engineer Start [24 hr ft	-		Drilled			
MAGN Well Name and No.	NOLIA (OIL & G	AS	PA1 Rig Name ar	TERSO	ON	WASF State	HINGTO	N	01/1 Spud Date	6/21	Curren	0 ft		Activity	10,17	71 ft	
	ABINE	D 4-H			248			EXAS		01/1	6/21		0 ft/hr			ep to	Ski	id
Report for	Cwin/	Vovin I	D. 1 104	Report for	ol Pusi		Field / OCS-G #	DIGNS		Fluid Type OE) N.A	Circula	ting Rate		Circula	ing Pres	sure	
БОВВУ		Kevin I	TY SPECIF			ier		LUME (BE	21 \	PUM			0 gpm		RIS	ER BO	OOST	FR
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	LOWE (BE) 	Liner Size	5.25	Line		5.25	Liner		5.2	
9-10.5	5-20	4-15	>350	±265K	<10 <15	<10	In Hole	46	6 bbl	Stroke	12	Stro		12	Stro		12	
3 10.0	0 20	4 10	7000	1/23/21	110 110	1/21/21	Active		bbl	bbl/stk	0.0763			0763	bbl		0.07	
Time Sample	Taken			.,20,21		11:00	Storage			stk/min	0.0.00		min 0.	0.00	stk/		0	
Sample Location				suction		suction	Tot. on Loc		6 bbl	gal/min	0	gal/	/min	0	gal/	min	0)
Flowline Temp		=						PHHP = 0			RCULATI	ON DA	TA		n = 0	.670	K = 17.	2.089
Depth (ft)				10,171'		10,171'					Washout			Pump	Effici	ency =	95%	,
Mud Weight (p	pg)			9.5		9.6	Drill String	Volume	e to Bit	0.0 bbl	Stroke	s To Bit			Time ⁻	Го Bit		
Funnel Vis (se	c/qt)		@ 122 °F	46		46	Disp.	Bottoms L	Jp Vol.	0.0 bbl	Bottoms	Jp Stks		Botto	msUp	Time		
600 rpm				35		36	0.0 bbl	TotalCi	rc.Vol.	0.0 bbl	TotalC	irc.Stks		Tota	al Circ.	Time		
300 rpm				22		22		DRILLIN	G ASS	SEMBLY DA	TΑ			SOLID	s col	NTRO	L	
200 rpm				17		17	Tubulars	OD (in.)	ID	(in.) Lei	ngth	Тор	Uni	it	Scre	ens	Hou	urs
100 rpm				12		11	Drill Pipe				0'	0'	Shake	er 1	140	-80	21	.0
6 rpm				6		6	Agitator					0'	Shake	er 2	140	-80	21	.0
3 rpm				5		5	Drill Pipe					0'	Shake	er 3	140	-80	21	.0
Plastic Viscosi	ty (cp)		@ 150 °F	13		14	Dir. BHA					0'						
Yield Point (lb/	(100 ft²)		T0 = 4	9		8		CASI	IG & I	HOLE DATA	ı							
Gel Strength (I	b/100 ft ²)	10	sec/10 min	7/10		7/10	Casing	OD (in.)	ID	(in.) De	epth	Тор	Centrifu	ıge 1	14	10		
Gel Strength (I	b/100 ft ²)		30 min	13		13	Riser						VOLU	ME AC	cou	NTING	(bbl	s)
HTHP Filtrate	(cm/30 m	in)	@ 250 °F	7.0		7.0	Surface	10 3/4		2,9	906'	0'	Prev.	Total o	n Loc	ation	36	605.6
HTHP Cake TI	hickness	(32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	875 10,	148'	0'	Trans	ferred I	ln(+)/C	Out(-)	-30	77.0
Retort Solids C	Content			11.5%		12%	Washout 1							Oil	l Adde	d (+)		5.9
Corrected Solid	ds (vol%)			9.5%		10.1%	Washout 2							Barite	Adde	d (+)		0.0
Retort Oil Cont	tent			67%		67%	Oper	n Hole Size	0.	000 10,	171'		Other F	Product	Usag	e (+)		0.0
Retort Water C	Content			21.5%		21%	ANI	NULAR GE	OME	TRY & RHE	OLOGY			Water	Adde	d (+)		20.0
O/W Ratio				76:24		76:24	annular		eas.	velocity	1 1	ECD	L	eft on (Cutting	gs (-)		0.0
Whole Mud Ch	nlorides (n	ng/L)		49,000		49,000	section	n de	epth	ft/min	reg l	o/gal	Se	eepage	/ Inter	face	-	-72.5
Water Phase S	Salinity (p	pm)		263,285		267,875									Evap	/ Pits	-	-16.0
Whole Mud All	kalinity, P	om		2.4		2.2							Est.	Total c	n Loc	ation -	4	166.0
Excess Lime (I	lb/bbl)			3.1 ppb		2.9 ppb							Est. Lo	sses/G	ains (-)/(+)		0.0
Electrical Stab	ility (volts)		465 v		460 v								T HYDE	RAULI	CS D	ΑТА	
Average Speci			3	2.99		3.01							Bit H.S.I	. Bit	ΔΡ	Nozzl	es (32	inds)
Percent Low G	-	lids		6%		6.3%								1				
ppb Low Gravi				50 ppb		52 ppb							Bit Impac	t Velo	zzle ocity			\dashv
Percent Barite				3.5%		3.8%	pie -		T				. 5.66	(ft/s	sec)			$\overline{}$
ppb Barite		0:		50 ppb		54 ppb	BIT D	1		anuf./Type		D ('."	N4.4 "	4)A'C	<u> </u>	C:-	D	
Estimated Total		System	ppb	D D-: "	0	M M '	Size	Depth In	H	ours Foo	otage RC	P ft/hr	Motor/N		Calc	. Circ.	Pres	sure
Sample Taken Remarks/Reco				R. Bowlin	0	M.Meehan	Rig Activity:		1				ps	ol				

OBM RECEIVED: 3920 bbls / OBM RETURNED: 0

OBM LOSS/GAIN--(Daily: -63bbls)----Total (-377bbls)

466bbls Left in casing

3077bbls Skid Vol.

Over the past 24 hours Patterson 248 ran the intermediate casing string, setting the $\,$ shoe at 10,148'MD. Circulated one and a half casing volumes and cemented the same in good fashion. Observed 21bbls of interface contaminated OBM and 40bbls of spacer on surface this volume was diverted to the open top for disposal. Began to RD and prepare to skid to the C-3H. Left 466bbls of 9.0ppg OBM in the casing and 3077bbls will be the skid vol. Currently conditioning the active volume decreasing the density to 8.8-8.9ppg primarily with diesel. This will build volume and increase the oil% to be incorporated with the 40bbls of drill H2O in the surface casing string and blended with 10.0ppg OBM currently in the C-43 casing string.

E	ng. 1:	N	latt M	eeha	n	Er	ng. 2:	Rob	Bowlin	WH 1:	MIDLAND) WH	2: WH#	2 Rig Phone:	Daily Total	Cumulative Cost
PI	none:					Pł	none:	22-9	90-1055	Phone:	432-686-73	861 Pho	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		wever, no repres	rein, has been prepared entation is made as to the	\$6,812.50	\$54,450.96
												INC	LUDING 3RD	PARTY CHARGES	\$7,244.02	\$93,359.36

Date 01/22/21	Operator MAGI	NOLIA OIL		Well Name a	ind No. ABINE D 4-	Н	Rig Name ar	48	Report No. Repo	ort #7
		USAGE 8		<u></u> -			•		CUMUI	
Item	Unit	Unit Cost	Previous	Received	Closing	Daily	Daily Cost		Cum	Cum Cos
			Inventory		Inventory	Usage	Daily Cost		Usage	
SAPP (50)	50# sk	\$44.56	10	-10					30	
PHPA LIQUID (pail)	5 gal	\$41.36	60 550	-60				-	2	\$82.72
EVO-LUBE	gal	\$14.00	550	-550						
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75 \$162.83	70 19	-70 -19						
ALDIVINOW TRISTEARATE	25# SK	\$102.03	19	-19						
CACL2 (50)	50# sk	\$14.32	224	-224					56	\$801.9
IME (50)	50# sk	\$5.00	470	-470					80	
OPTI - G	50# sk	\$30.59	180	-180						\$1,988.3
BENTONE 38 (50)	50# sk	\$163.94	11	-11					8	\$1,311.5
BENTONE 910 (50)	50# sk	\$59.40	40	-40						
BENTONE 990 (50)	50# sk	\$83.59	50	-50						
DPTI - MUL	gal	\$10.75	550	-550					55	
OPTI - WET	gal	\$8.34	550	-550			1		165	
NEW PHALT	50# sk	\$38.72	130	-130			ļ		70	\$2,710.4
DIL SORB (25)	25# sk	\$4.75	40	-40						
· · · · · · · · · · · · · · · · · · ·										
NEW CARB ULTIMIX	50# sk	\$6.35	80	-80]	26	\$165.10
NEW CARB (M)	50# sk	\$5.25	180	-180						
CYBERSEAL	25# sk	\$21.47]		
MAGMAFIBER F (25)	25# sk	\$28.05	200	-200				1	40	\$1,122.00
MAGMAFIBER R (30)	30# sk	\$28.05	38	-38				1		
/ARISEAL	50# sk	\$26.50	20	-20			1	1	4	\$106.00
TIBER PLUG	30# sk	\$30.37						1		
IUT PLUG M (50)	50# sk	\$12.04	55	-55				1	20	\$240.80
• •										
NEW WATE (SACK BARITE)	100# sk	\$11.50	180	-180						
SARITE BULK (100)	100# sk	\$7.00	1150	-1150				-	106	\$3,402.00
STATE BOLK (100)	100# SK	φ1.00	1100	-1150			1	1	400	ψυ,+υ∠.υι
	+						1	-		
DPTI DRILL (OBM)	bbl	\$65.00	3254	-2725	466	63	\$ \$4,062.50		377	\$24,505.00
DISCOUNTED OBM	bbl	\$10.00	352	-352						
	JUI	ψ10.00	302	-332						
NONEFRING (04 LIP)		#00F 02					#4.050.55		4.5	#44.400 = 1
ENGINEERING (24 HR)	each	\$925.00					\$1,850.00	-		\$11,100.00
ENGINEERING (DIEM)	bbl	\$30.00				2			12	
NGINEERING (MILES)	each	\$1.00				840	\$840.00		1889	\$1,889.00
		. —			1			i	1 ———	
	each	\$2.65 \$650.00							4	\$650.00
RUCKING (min)	each	\$650.00							1	-
TRUCKING (cwt) TRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)									1 13 13	

Date	Operator			Well Name a	nd No.		Rig Name an	nd No.	Report No.	
01/22/21	MAGN	IOLIA OIL	& GAS	S	ABINE D 4	-Н	24	48	Repo	rt #7
	DAILY	USAGE 8	k COST						CUMUL	.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	120	-120						
DIESEL DELIVERY 1-14-21	gal	\$1.74							7000	\$12,180.00
DIESEL DELIVERY 1-15-21	gal	\$1.79							7000	\$12,530.00
DIESEL DELIVERY 1-19-21	gal	\$1.74	6488	-6240		248	\$431.52		8160	\$14,198.40
					Daily S	Sub-Total \$	3431.52		\$38,9	08.40
	Cum	ulative Tota	I AES & 3rd	Party \$93,	359.36					

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: MAG Rig Name: 248

MAGNOLIA OIL & GAS

Rig Name: Well Name:

SABINE D 4-H

					WEEK 1							WEEK 2							WEEK 3			
	Date	1/18/21	1/19/21		1/21/21	1/22/21	1/23/21	1/24/21		1/26/21	1/27/21	1/28/21	1/29/21		1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21
		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	9 7/8																
Grand	Starting Depth	2,916	2,916	7,250	9,924	10,171	10,171															
Totals	Ending Depth	2,916	7,250	9,924	10,171	10,171																
7.255	Footage Drilled	-	4,334	2,674	247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	New Hole Vol.	_	411	253	23	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
	Starting System Volume	2,480	2,963	3,348	3,703	3,610	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	47
20	Chemical Additions		17			6		4/1	4/1	4/1	471	4/1	4/1	471	471	471	4/1	4/1	4/1	471	471	47
	Base Fluid Added	- 6	241	176	107	0																
	Barite Increase	+ -	- 241	34	107																	
	Weighted Mud Added	477	481	476																		
1,434	Slurry Added	- 4//	- 401	4/6																		-
	Water Added	+ -	150	-		20																
		+ -	150	50		20																
	Added for Washout	_		-																		
	Total Additions	483	890	743	109	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surface Losses	-	99	75	14	16																
174	Formation Loss	-	-	-	123	51																
	Mud Loss to Cuttings	-	406	264	24																	
62	Unrecoverable Volume	-	-	-	40	22																
50	Centrifuge Losses	-	-	50																		
1.182	Total Losses	-	505	388	201	89	_	_	-	_	_	_	_	_	_	-	_	_	_	-	-	-
3 077	Mud Transferred Out					3,077									<u> </u>							
	Ending System Volume	2,963	3,348	3,703	3,610	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	47
		2,903	3,346	3,703	3,010	4/1	4/1	4/1	4/1	4/1	4/1	4/1	4/1	4/1	4/1	4/1	471	4/1	4/1	4/1	4/1	47
-	Mud Recovered																					
					omment						C	omment	s:					С	omment	s:		
		1/18/21	Nipple up	and test BC					1/25/24							2/1/21						
		1/18/21		OV screens		Opti Mui. 3	Screen up	WILIT 1405	1/25/21							2/1/21						
			Drilling Int	ermeditate	acation M	lessive CD	M looses	at the														
837		1/19/21		Aggressive					1/26/21							2/2/21						
	_		Drilling ah	ead on Inte	rmedite se	ction At 99	924' MWD 1	fail to														
		1/20/21	Sync. POC						1/27/21							2/3/21						
		4 /04 /04	Drilled to i	nterval TD	at 10,171'N	ИD, (KOP а	at 9,924'MD)	4/00/04							0/4/04						
		1/21/21	9,734'TVD)					1/28/21							2/4/21						
		1/22/21	Cement th	e intermedi	ate string v	with good re	eturns. Ski	d Vol.	1/29/21							2/5/21						
			3077bbls/	466bbls 9.0	Oppg left in	casing.			.,_,,							_,,,_,						
		1/23/21							1/30/21							2/6/21						
		1/24/24							1/21/24							2/7/24						
		1/24/21							1/31/21							2/7/21						

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

4.2° 9,782' TVD

Operator MAGI Well Name and No.	NOLIA (OIL &	GAS	PAT Rig Name ar	TERSO	N	County / Parish / WASH	Block	N	Engineer S O Spud Date	1/16/		24 hr ft	0 ft		Drilled D	Depth 10,1	71 ft	t
	ABINE	D 4-H	ı	Rig Name ar	248			EXAS			1/16/	21	Current	0 ft/hr			FIT /	DRIL	LING
Report for			<u> </u>	Report for			Field / OCS-G #			Fluid Type			Circula	ting Rate		Circulati	-		
JIM HAR	RISON/	JAME	S DYER	To	ol Push	ner	GID	DIGNS			OBN	1		0 gpm			р	si	
	MUD	PROPE	RTY SPECIF	ICATION	S		MUD VO	LUME (BE	3L)	F	PUMP	#1		PUMP #2		RISI	ER B	oos	TER
Weight	PV	ΥP	E.S.	CaCl2	GELS	HTHP	In Pits	887	7 bbl	Liner S	Size	4.75	Liner	Size 4.	75	Liner	Size	4.	.75
8.8-9.8	5-20	4-15	>450	±275K	<10 <15	<10	In Hole	407	7 bbl	Strok	e	12	Stro	oke 1	2	Stro	ke	1	12
	L L		•	3/13/21		1/21/21	Active	128	5 bbl	bbl/s	tk	0.0625	bbl	/stk 0.0	625	bbl/	stk	0.0	625
Time Sample	Taken			3:00		11:00	Storage	<u>126</u>	88 bbl	stk/m	iin	0	stk/	min	0	stk/r	min	(0
Sample Locati	on			suction		suction	Tot. on Loc	cation 256	2 bbl	gal/m	iin	0	gal/	min	0	gal/r	min	(0
Flowline Temp	erature °F							PHHP = 0		ı	CIR	CULATIC	N DA	TA		n = 0	.637	K = 17	72.351
Depth (ft)				10,171'		10,171'	Bit [Depth = 9,9	971 '		W	ashout =	1%		Pump	Efficie	ency =	= 95%	6
Mud Weight (p	pg)			9.0		9.6	Drill String	Volume	e to Bit	138.9	bbl	Strokes	To Bit	'		Time T	o Bit		
Funnel Vis (se	c/qt)		@ 80 °F	44		46	Disp.	Bottoms U	Jp Vol.	259.1	bbl E	3ottomsU _l	o Stks		Botto	msUp	Time		
600 rpm				28		36	59.8 bbl	TotalCi	rc.Vol.	1284.8	bbl	TotalCir	c.Stks		Tota	I Circ.	Time		
300 rpm				18		22		DRILLIN	G ASS	SEMBLY	/ DAT	4		s	OLID	s con	NTRO	L	
200 rpm				14		17	Tubulars	OD (in.)	ID	(in.)	Leng	th T	ор	Unit		Scre	ens	Но	ours
100 rpm				11		11	Drill Pipe	4.500	3.	826	7,23	4'	0'	Shaker	1	20	0	12	2.0
6 rpm				6		6	Agitator	5.375	3.	000	29'	7,2	234'	Shaker	2	20	0	12	2.0
3 rpm				4		5	Drill Pipe	4.500	3.	826	2,37	8' 7,2	263'	Shaker	. 3	20	0	12	2.0
Plastic Viscosi	ity (cp)		@ 150 °F	10		14	Dir. BHA	5.250	2.	500	330	9,6	641'						
Yield Point (lb/	/100 ft²)		T0 = 2	8		8		CASIN	NG & I	HOLE D	ATA								
Gel Strength (l	lb/100 ft²)	1	10 sec/10 min	6/10		7/10	Casing	OD (in.)	ID	(in.)	Dept	h T	ор	Centrifuç	ge 1	NC	V	4	.0
Gel Strength (l	lb/100 ft ²)		30 min	12		13	Riser							VOLUM	IE AC	COUN	NTING	dd) e	ls)
HTHP Filtrate	(cm/30 mi	n)	@ 250 °F	7.0		7.0	Surface	10 3/4			2,90	6'	0'	Prev. 7	otal o	n Loca	ation	4	465.9
HTHP Cake T	hickness (32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	875	10,14	8'	0'	Transfe	erred I	n(+)/O	ut(-)	20	083.0
Retort Solids (Content			10%		12%									Oil	Adde	d (+)		38.1
Corrected Soli	ds (vol%)			7.9%		10.1%									Barite	Adde	d (+)		0.0
Retort Oil Con	tent			69%		67%	Open	Hole Size	6.	818	10,17	'1'		Other Pr	roduct	Usag	e (+)		0.0
Retort Water 0	Content			21%		21%	ANI	NULAR GE	EOME	TRY & F	RHEO	LOGY		,	Water	Adde	d (+)		
O/W Ratio				77:23		76:24	annular	me	eas.	veloc	ity f	low E	CD	Le	ft on (Cutting	gs (-)		0.0
Whole Mud Ch	nlorides (m	ng/L)		52,000		49,000	section	de	epth	ft/mi	n I	reg lb/	gal gal	E	vap &	Centri	fuge		-25.0
Water Phase S	Salinity (pp	om)		279,688		267,875		•			•	•							
Whole Mud Al	kalinity, Po	om		1.8		2.2	6.875x4.	5 7,2	234'	0.0	1	am 9.	.04	Est. 7	otal o	n Loca	ation	2	562.0
Excess Lime (lb/bbl)			2.3 ppb		2.9 ppb	6.875x5.3	75 7,2	263'	0.0	1	am 9.	.04	Est. Los	ses/G	ains (-)/(+)		0.0
Electrical Stab	ility (volts)			470 v		460 v	6.875x4.	5 9,6	641'	0.0	1	am 9.	.04	BIT	HYDF	RAULI	CS D	ATA	
Average Spec	ific Gravity	of Soli	ids	2.71		3.01	6.875x5.2	25 9,9	971'	0.0	1	am 9.	.04	Bit H.S.I.	Bit	ΔΡ	Nozzl	es (3	2nds)
Percent Low G	Gravity Sol	ids		6.3%		6.3%								0.00	ŗ	osi	18	18	18
ppb Low Gravi	ity Solids			52 ppb		52 ppb								Bit Impact	Noz		18	18	18
Percent Barite				1.6%		3.8%								Force	(ft/s	ec)			
ppb Barite				23 ppb		54 ppb	BIT D	ATA	Ma	anuf./Typ	ре	GTD64	IM.	0 lbs	()			
Estimated Total	al LCM in	System	ppb				Size	Depth In	Н	ours	Foota	ge ROF	ft/hr	Motor/M	WD	Calc.	Circ.	Pres	ssure
Louinatoa rot																			,

Remarks/Recommendations:

OBM RECEIVED: 2083 bbls / OBM RETURNED: 0

OBM LOSSES: (- bbls DAY) / (-377bbls Cumulative)

OBM on surface: 1268bbls (Storage) / 887bbls (Active pits)

Rig Activity:

Over the past 24 hours: Skid from the C-3H. Nipple up BOP's and test same with all surface control equipment. Transfer all sack material and OBM from the C 3-H and update OBM inventory with the 466bbls of 9.0ppg OBM in the casing. Perform Rig Service and repairs to Top Drive prior to pick up new BHA for upcoming Curve and Lateral drilling. Circulate Active system within and pre-condition with Lime and CaCl2 for drilling out. Apply centrifuge and diesel additions to reduce density from 9.4ppg down to 9ppg. As requested by Operations. Pick up BHA and TIH, to the top of the float collar. At the time of the report: Installing Rotating head prior to start drilling, currently bit at 9971'.

—		B 41	L - 14/				_	A -1 - 16		14/11/4	MIDI AND	14// 1.0	14/11/10	D' - Dh	D-3-1-1-1	0
l F	ng. 1:	IVII	ke w	ashbı	urn	Er	ng. 2:	Adolf	o Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
F	hone:	36	61-94	5-577	77	Pł	none:	956-8	321-9994	Phone:	432-686-736	1 Phone:	-			
W 1	P 1	Y 1	E 1	C 1	g 1	G 1	H 1	0	carefully	and may be	used if the use		er, no represent	n, has been prepared ation is made as to the	\$1,910.00	\$56,360.96
														RTY CHARGES	\$5,590.00	\$98,949.36

SAPP MAN	Date 03/13/21	Operator MAG I	NOLIA OIL		Well Name a	ind No. ABINE D 4 -	<u>-Н</u>	Rig Name ar	d No. 48	Report No. Repo	ort #8
March Marc		DAILY	USAGE 8	& COST	•			•		CUMUI	LATIVE
SAMP 100	11			1	D i d	Closing	Daily	D-11- 01		Cum	0
### PAPE AL LED PAPE 50 50 50 50 50 50 50 5	item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cost
EVOLUE MEMORIAN 1009 48 1975 77 77 70 70 70 70 70 70 70 70 70 70 70											
NEW CLEEP (SPENMAN) NEW CLEEP					60	60				2	\$82.72
ALMANUMAT INSTRAMATE					70	70					
Symbol S		-									
Company											
June 1909		3									
June 1901											
COPTICAL Sort No. \$30.59 140 160	CACL2 (50)	50# sk	\$14.32		252	252				56	\$801.92
BENTONE 910 59 69 69 1 8 9.3.7 BENTONE 910 59 69 69 69 69 69 69 69 69 69 69 69 69 69	LIME (50)	50# sk	\$5.00		325	325				80	\$400.00
BENTONE 910 (20) OPH - MUL OPH	OPTI - G	50# sk	\$30.59								\$1,988.35
BENTONE 600 (60) 500 et al. \$383.50 32 32 5071 - MUIL 901 \$10.75 300 300 155 \$3.50 156 \$3.50 157 \$3.00 157 \$3.00 150 \$3.00		-								8	\$1,311.52
OPTI-MUL											
OPT1-WET 994 S.5.30 466 465 M.5 170 M.	` '					l					
NEW PHALT OIL SORB (23) 289 8K 98.79 101 101 102 289 8K 98.79 102 103 104 105 107 289 8K 98.79 108 108 108 108 108 108 108 10						l					
Oil SORB (25) 256 sk 54.75						l					
NEW CARR ULTIMIX SOF 84 SOF 85 SOF					170	170				70	φ2,7 10.4C
NEW CARE IM) OCHERSEAL MAGNAPIBER F (25) MAGNAPIBER R (25) MAGNAPIBER R (25) MAGNAPIBER R (25) NARISEAL SOR IA	OIL SOND (23)	25# 38	ψ4.73								
NEW CARR (M)	NEW CARR III TIMIY	50"	#C 0-		400	400				200	0405 15
CYBERSEAL MAGNAMAPBER F (25) 25		-	1		120	120		+		26	\$165.10
MAGMARRER F (28) MAGMARRER R (300) 309 sk \$280.50 VARISEAL 509 sk \$280.50 20 20 20 4 310 FIRER P (100) 309 sk \$30.37 NIT P LUG M (50) 509 sk \$31.204 40 40 40 70 70 324 70 80 80 80 80 80 80 80 80 80 80 80 80 80		50# SK	φ5.25								
MAGNAHERR R (30) 30e sk		25# sk	\$28.05		138	138				40	\$1 122 00
VARIBEAL 509 sk \$20.50					100	100				40	ψ1,122.00
FIRER PLUG SUB SK S30.37 NUT PLUG M (50) SUB SK S12.04 40 40 40 40 40 20 S24 S25 S24,55 S24,55 S26,50 S27,00 S28 S28,500 S28 S28 S28 S28 S28 S28 S28 S	·				20	20				4	\$106.00
NEW WATE (SACK BARITE) 100# sk \$11.50 100 190 486 \$3.40 486 \$3.40 486 \$3.40 486 \$3.40 486 \$3.40 486 \$3.40 487 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40											,
BARITE BULK (100) 100# sk \$7.00 1000 1000 486 \$3.40 486	NUT PLUG M (50)	50# sk	\$12.04		40	40				20	\$240.80
BARITE BULK (100) 100# sk \$7.00 1000 1000 486 \$3.40 486											
BARITE BULK (100) 100# sk \$7.00 1000 1000 486 \$3.40 486											
BARITE BULK (100) 100# sk \$7.00 1000 1000 486 \$3.40 486											
BARITE BULK (100) 100# sk \$7.00 1000 1000 486 \$3.40 486											
BARITE BULK (100) 100# sk \$7.00 1000 1000 486 \$3.40 486											
BARITE BULK (100) 100# sk \$7.00 1000 1000 486 \$3.40 486											
DESCRIPTION OF TRUCKING (CWI) Each \$2.65 TRUCKING (CWI) TRUCKING (CWI) Each \$50.00 TRUCKING (CWI) Each \$50.00 TRUCKING (CWI) Each \$50.00 TRUCKING (CWI) Each \$2.65 TRUCKING (CWI) Each \$50.00 TRUCKING (CWI) Each \$50.00 TRUCKING (CWI) Each \$2.65 TRUCKING (CWI) Each \$50.00 TRUCKING (CWI) Each \$50.00 TRUCKING (CWI) Each \$2.65 TRUCKING (CWI) Each \$50.00 Each \$50.00 TRUCKING (CWI) Each \$50.00 Each \$		-	· ·								
DISCOUNTED OBM bbl \$10.00 79 79	BARITE BULK (100)	100# sk	\$7.00		1000	1000				486	\$3,402.00
DISCOUNTED OBM bbl \$10.00 79 79											
DISCOUNTED OBM bbl \$10.00 79 79											
DISCOUNTED OBM bbl \$10.00 79 79											
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DISCOUNTED OBM bbl \$10.00 79 79											
DISCOUNTED OBM bbl \$10.00 79 79 79											
DISCOUNTED OBM bbl \$10.00 79 79	OPTI DRILL (OBM)	bbl	\$65.00	466	1650	2116		1		377	\$24,505.00
MAGNOLIA OBM (LGS) bbl 354 354 354 ENGINEERING (24 HR) ENGINEERING (DIEM) ENGINEERING (MILES) EACH EACH EACH S1.00 ENGINEERING (MILES) EACH EACH S1.00 EACH TRUCKING (cwt) TRUCKING (min) EACH EACH S2.65 TRUCKING (min) EACH EACH S2.65 TRUCKING (min) EACH EACH S1.00 EACH EACH S1.00 EACH EACH S1.00 EACH	DISCOLINTED ORM	bbl	\$10.00		70	70					
ENGINEERING (24 HR) each \$925.00			\$10.00								
ENGINEERING (DIEM) bbl \$30.00	MAGNOLIA OBM (LGS)	bbl			354	354					
ENGINEERING (DIEM) bbl \$30.00			-					1			
ENGINEERING (DIEM) bbl \$30.00								+			
ENGINEERING (DIEM) bbl \$30.00										1	
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00											
ENGINEERING (DIEM) bbl \$30.00	ENGINEERING (24 HR)	each	\$925.00					2 \$1,850.00		14	\$12,950.00
ENGINEERING (MILES)		-								-	
TRUCKING (min) each \$650.00 1 \$65 PALLETS (ea) each \$12.00 13 \$15 SHRINK WRAP (ea) each \$12.00 13 \$15		each	\$1.00							1889	
TRUCKING (min) each \$650.00 1 \$65 PALLETS (ea) each \$12.00 13 \$15 SHRINK WRAP (ea) each \$12.00 13 \$15											
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TRUCKING (min) each \$650.00 1 \$65 PALLETS (ea) each \$12.00 13 \$15 SHRINK WRAP (ea) each \$12.00 13 \$15											
PALLETS (ea) each \$12.00 13 \$15 SHRINK WRAP (ea) each \$12.00 13 \$15		each									
SHRINK WRAP (ea) each \$12.00 13 \$15		each	\$650.00								<u> </u>
			1								
Bullin Aud Tural Ar Ara Aa	SHRINK WRAP (ea)	each	\$12.00							13	\$156.00
Daily Sub-Total \$1,910.00 Cumulative Total \$56,360.96 \$56,360.96			Daily 6	ub-Total #4	1 910 00	Cumulati	ve Total 4	56 360 06		¢56.2	en oe

Date	Operator			Well Name a	nd No.		Rig Name and N	lo. Repor	t No.	
03/13/21	MAG	NOLIA OIL	& GAS	S	ABINE D 4	-Н	248		Repo	ort #8
	DAILY	USAGE 8	k COST					CI	JMUI	LATIVE
ltem	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		um age	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	\$41.75		100	100					
TURBO CHEM / SYNSEAL	25# sk	\$85.00		100	100					
DIFCEL DELIVEDY 4 44 24		¢4.74							7000	£40,400,00
DIESEL DELIVERY 1-14-21	gal	\$1.74						-		\$12,180.00
DIESEL DELIVERY 1-15-21	gal	\$1.79								\$12,530.00 \$14,198.40
DIESEL DELIVERY 1-19-21 DIESEL TRANSFER F/C 3H	gal	\$1.74 \$2.30		6502	4902	1600	\$3,680.00			\$3,680.00
DIESEL TRANSFER F/C 3H	gal	\$2.30		7200		1600	\$3,000.00		1600	\$3,000.00
DIESEL TRANSFER F/C 3H	gal	\$2.29		1800						
DIESEL TRANSFER F/C 3H	gal	\$2.37		1600	1600					
	l			•	Daily S	ub-Total \$	3,680.00		\$42,5	88.40
								<u> </u>		
	Cum	ulative Tota	I AES & 3rd	l Party \$98,	949.36					

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: MAG
Rig Name: 248

MAGNOLIA OIL & GAS

Rig Name: Well Name:

SABINE D 4-H

					WEEK 1							WEEK 2							WEEK 3			
	Date	3/8/21	3/9/21	3/10/21	3/11/21	3/12/21	3/13/21	3/14/21	3/15/21	3/16/21	3/17/21	3/18/21	3/19/21	3/20/21	3/21/21	3/22/21	3/23/21	3/24/21	3/25/21	3/26/21	3/27/21	3/28/21
		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	9 7/8	6 3/4															
Grand	Starting Depth	2,916	2,916	7,250	9,924	10,171	10,171	10,171														
Totals	Ending Depth	2,916	7,250	9,924	10,171	10,171	10,171															
7.255	Footage Drilled	-	4,334	2,674	247	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	New Hole Vol.	-	411	253	23	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_
	Starting System Volume	2,480	2,963	3,348	3,703	3,610	466	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562
20	Chemical Additions	6	17	8	2	6	-	2,002	2,002	2,002	2,502	2,002	2,002	2,002	2,002	2,502	2,002	2,002	2,002	2,002	2,502	2,002
	Base Fluid Added	-	241	176	107	0	38															
	Barite Increase	 	-	34	107		-															
	Weighted Mud Added	477	481	476			2,083															
3,31 <i>1</i>	Slurry Added	-	-	470			2,003															
	Water Added	-	150	50		20	-															
- 220	Added for Washout	-	-	-		20	-															
		-																				
	Total Additions	483	890	743	109	26	2,121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surface Losses	-	99	75	14	16	-															
174	Formation Loss	-	-	-	123	51	-															
	Mud Loss to Cuttings	-	406	264	24		-															
62	Unrecoverable Volume	-	-	-	40	22	-															
75	Centrifuge Losses	-	-	50			25															
1,207	Total Losses	-	505	388	201	89	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,082	Mud Transferred Out					3,082																
-,		2,963	3,348	3,703	3,610	466	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562	2,562
<u> </u>		2,303	3,340	3,703	3,010	700	2,302	2,302	2,502	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302
-	Mud Recovered																					
				С	omment	s:					С	omment	s:					С	omment	s <i>:</i>		
		3/8/21	Nipple up a	and test BC Lime. Op					3/15/21							3/22/21						
	=		& 80's. NO	OV screens																		
2,915		3/9/21		ermeditate					3/16/21							3/23/21						
2,510		0,0,21	shakers. <i>F</i>	Aggressive	additions o	of Diesel-W	ater and ch	nemicals.	0,10,21							0/20/21						
		2/4.0/24	Drilling ahe	ead on Inte	rmedite se	ction. At 99	24' MWD f	ail to	2/47/24							0/04/04						
		3/10/21	Sync. POC	OH to chan	ge out sam	e.			3/17/21							3/24/21						
		0// 4/04	Drilled to in	nterval TD	at 10,171'N	ID, (KOP a	t 9,924'MD)								0.10 = 10.1						
		3/11/21	9,734'TVD						3/18/21							3/25/21						
			Cement the	e intermedi	ate string v	vith good re	eturns. Ski	d Vol.														
		3/12/21	3077bbls/	466bbls 9.0	Oppg left in	casing.			3/19/21							3/26/21						
				e on Volum																		
		3/13/21	from C 3-H up BHA ar		aown to 9p	opg w/Cent	riiuge & Di	esei. Pick	3/20/21							3/27/21						
		3/14/21							3/21/21							3/28/21						
		3/14/21							3/21/21							3/28/27						

OUTSOURCE FLUID SOLUTIONS LLC.

Report 8 pm

TEL: (337) 394-1078

39.5° 10,300' TVD

Operator	Contractor			County / Parisl	n / Block		Engine	er Start Date	24 h	r ftg.		Drilled De	epth		
MAGNOLIA OIL & GAS		TTERSO	ON		HINGTO	N		01/16/21					0,54	0 ft	
Well Name and No. SABINE D 4-H	Rig Name a	nd No. 248		State T	EXAS		Spud D	o _{ate} 01/16/21		ent ROP 52 ft/hr	,	Activity DRL	G C	UR\	VF
Report for	Report for			Field / OSC-G			Fluid T			ulating Rate		Circulatin			
JIM HARRISON/JAMES DYE	R To	ool Pusi	ner	GIE	DIGNS			OBM		388 gpm	1	3,	600	psi	
MUD PROPERTY SPE	CIFICATIO	NS		MUD VO	DLUME (BI	BL)		PUMP #1		PUMP #2		RISE	R BO	OSTI	ER
Weight PV YP E.S	CaCl2	GELS	HTHP	In Pits	887	7 bbl	Liner	Size 4.	75 Lin	er Size 4.	75	Liner S	Size	4.7	5
8.8-9.8 5-20 4-15 >45	±275K	<10 <15	<10	In Hole	e 421	l bbl	Stro	oke 1	2 S	troke 1	2	Strok	е	12	2
MUD PROPERTIE	8		•	Active	130	8 bbl	bbl	/stk 0.0	625 b	bl/stk 0.0	625	bbl/s	tk	0.06	25
Time Sample Taken	3:00		14:00	Storage	e <u>126</u>	8 bbl	stk/	min 7	'2 s	k/min 7	76	stk/m	in		
Sample Location	suction		shaker	Tot. on Loc	cation 257	6 bbl	gal/	min 1	89 g	al/min 1	99	gal/m	in		
Flowline Temperature °F			126 °F	Mud Wt. =	= 9.0 PV	=10	YP)=8 CI	RCULATI	ON DATA		n = 0.6	637 k	ζ = 17	72.4
Depth (ft)	10,171'		10,540'	Bit D	epth = 10,	540 '		Wash	out = 1%		Pump	Efficier	ncy =	95%	
Mud Weight (ppg)	9.0		8.9	Drill String	Volume	to Bit	147.	0 bbl St	rokes To E	sit 2,354	7	Time To	Bit	16 m	nin
Funnel Vis (sec/qt) @ 116	°F 44		42	Disp.	Bottoms U	p Vol.	273.	7 bbl Botte	omsUp Stk	s 4,382	Bottor	nsUp T	ime	30 m	nin
600 rpm	28		31	62.9 bbl	TotalCir	rc.Vol.	1307	.6 bbl To	talCirc.Stk	as 20,932	Total	Circ. T	ime	141 r	min
300 rpm	18		20		DRILLING	G ASS	SEMB	LY DATA		S	OLIDS	CON.	TROL		
200 rpm	14		17	Tubulars	OD (in.)	ID	(in.)	Length	Тор	Unit		Scree	ns	Hou	ırs
100 rpm	11		12	Drill Pipe	4.500	3.8	326	7,803'		Shake	r 1	200)		
6 rpm	6		5	Agitator	5.375	3.0	000	29'	7,803'	Shake	r 2	200)		
3 rpm	4		4	Drill Pipe	4.500	3.8	326	2,378'	7,832'	Shake	r 3	200)		
Plastic Viscosity (cp) @ 150	°F 10		11	Dir. BHA	5.250	2.5	500	330'	10,210						
Yield Point (lb/100 ft²) T0 =	2 8		9		CASIN	IG & I	HOLE	DATA							
Gel Strength (lb/100 ft²) 10 sec / 10	nin 6/10		5/8	Casing	OD (in.)	ID ((in.)	Depth	Тор	Centrifuç	ge 1	NO\	/		
Gel Strength (lb/100 ft2) 30 r	in 12		11	Riser						VOLUN	IE AC	COUN	TING	(bbls	s)
HTHP Filtrate (cm/30 min) @ 250	°F 7.0		7.6	Surface	10 3/4			2,906'		Prev. T	otal or	n Locat	tion	256	62.0
HTHP Cake Thickness (32nds)	2.0		2.0	Int. Csg.	7 5/8	6.8	375	10,148'		Transfe	erred Ir	n(+)/Ou	ıt(-)		
Retort Solids Content	10%		10%								Oil	Added	(+)		
Corrected Solids (vol%)	7.9%		7.7%								Barite	Added	(+)		
Retort Oil Content	69%		67%	Open	Hole Size	6.8	318	10,540'		Other Pr	oduct	Usage	(+)		
Retort Water Content	21%		23%	AN	NULAR GE	OME	TRY	& RHEOLO	OGY	1 ,	Water	Added	(+)		
O/W Ratio	77:23		74:26	annula	ır	41-	velc	ocity flow	ECD	Le	ft on C	Cuttings	s (-)		
Whole Mud Chlorides (mg/L)	52,000		57,000	section	n de	pth	ft/n	-	lb/gal	E	/ap & (Centrif	uge		
Water Phase Salinity (ppm)	279,688		279,856		*		•	•	•						
Whole Mud Alkalinity, Pom	1.8		1.7	6.875x4	1.5 7,8	303'	35	2.3 turb	9.90	Est. T	otal or	n Locat	tion	256	62.0
Excess Lime (lb/bbl)	2.3 ppb		2.2 ppb	6.875x5.	375 7,8	332'	51	7.9 turb	9.95	Est. Los	ses/Ga	ains (-).	/(+)	1	13.6
Electrical Stability (volts)	470 v		480 v	6.875x4	1.5 10,	148'	35	2.3 turb	9.97	ВІТ	HYDR	AULIC	S DA	TA	
Average Specific Gravity of Solids	2.71		2.41	6.818x4	1.5 10,	210'	36	2.8 turb	10.01	Bit H.S.I.	Bit .	ΔP	Nozzle	s (32r	nds)
Percent Low Gravity Solids	6.3%		7.5%	6.818x5	.25 10,	540'	502	2.9 turb	10.11	0.36	56	psi	18	18	18
ppb Low Gravity Solids	52 ppb		61 ppb							Bit Impact	Noz		18	18	18
Percent Barite	1.6%		0.3%							Force	Velo (ft/s	-			
ppb Barite	23 ppb		4 ppb	BIT D	DATA	Ма	nuf./T	ype G	TD64M	152 lbs	84	4			
Estimated Total LCM in System				Size	Depth In	Но	urs	Footage	ROP ft/h	r Motor/M	WD	Calc.	Circ. F	Press	sure
Sample Taken By	A. ROMAN	ı		6 3/4	10,171 ft					2,240	psi	3	,673	psi	
Afternoon Remarks/Recommendations:	•	•		Afternoon R	ig Activity:	•				•					

Pump 10 bbl sweep every 300 ft. Sweep Contains: 10 ppb

CalCarb Medium, 10 ppb Newphalt and 10 ppb Magnafiber fine

Trip in hole with BHA #3, tag float collar @ 10557, drill cement, shoe, and 10' of new formation to 10181, perform F.I.T. to 2070 PSI, 13.0 EMW. Sliding and rotating 6-3/4" hole section, orienting curve last survey at 10474 MD 36.7 DEG INCL, 10251 TVD. Maintain mud wt at 8.9#, mix LCM sweep in preparation for lateral protocol. Adding Bentone clays to increase YP and low end rheologies, OptiG to reduce HTHP, Lime for alkalinities and CaCl for WPS. Receiving 9.0 OBM from Newpark Madisonville and Cotulla WH.

OUTSOURCE FLUID SOLUTIONS LLC.

13.5°

5,598' TVD

TEL: (337) 394-1078

Operator				Contractor			County / Parish /			Engineer Start		24 hr f	-		Drilled D	•	
MAGI Well Name and No.	NOLIA	OIL & G	SAS	PA1	TERSO	ON	WASH State	HINGTO	N	01/	16/21	Curror	749 ft		Activity	0,92	0 ft
	SABINE	D 4-H			248			EXAS			16/21	Currer	58 ft/hr	ľ	-	ООН	/TIH
Report for JIM HAR	DISON	IAMES	DVED	Report for	ol Pusi	201	Field / OCS-G #	DIGNS		Fluid Type	вм		ating Rate 388 gpn		Circulatir	-	
JIWI HAK			TY SPECIF			ICI		LUME (BE	RI V		VIP #1	+	PUMP #2			,863 R BO	OSTER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	•	9 bbl	Liner Size		Line		.75	Liner		4.75
8.8-9.8	5-20	4-15	>450	±275K	<10 <15	<10	In Hole		4 bbl	Stroke	12			12	Strok		12
0.0 0.0	0 20	1 10	7400	3/14/21	710 710	3/13/21	Active		5 bbl	bbl/stk	0.062			625	bbl/s		0.0625
Time Sample	Taken			3:00		14:00	Storage		5 bbl	stk/min	72			76	stk/m		0
Sample Locati				suction		shaker	•	cation 321		gal/min	189			99	gal/n		0
Flowline Temp		=				126 °F		PHHP = 87			CIRCULA	ŭ					C = 265.629
Depth (ft)				10,920'		10,540'		Depth = 5,7			Washou			Pump			
Mud Weight (r	opa)			8.9		8.9				78.3 bbl	Strok	es To Bit		1	Time T		8 min
Funnel Vis (se	,		@ 100 °F	43		42	Drill String Disp.			147.3 bb	Bottom	sUp Stks			nsUp 1		16 min
600 rpm	49			30		31	36.6 bbl			1014.6 bb		Circ.Stks	,				110 min
300 rpm				20		20		<u> </u>		SEMBLY D				OLIDS			
200 rpm				14		17	Tubulars	OD (in.)	ID	(in.) Le	ength	Тор	Unit		Scree	ens	Hours
100 rpm				11		12	Drill Pipe	4.500	3.	826 2	,973'	0'	Shake	r 1	200)	20.0
6 rpm				5		5	Agitator	5.375	3.	000	29'	2,973'	Shake	r 2	200)	20.0
3 rpm				4		4	Drill Pipe	4.500	3.	826 2	,378'	3,002'	Shake	r 3	200)	20.0
Plastic Viscos	ity (cp)		@ 150 °F	10		11	Dir. BHA	5.250	2.	500	330'	5,380'					
Yield Point (lb/	/100 ft²)		T0 = 3	10		9		CASIN	NG & I	HOLE DAT	A		-				
Gel Strength (lb/100 ft²)	10	sec/10 min	5/9		5/8	Casing	OD (in.)	ID	(in.)	epth	Тор	Centrifu	ge 1	NO	V	2.0
Gel Strength (lb/100 ft ²)		30 min	12		11	Riser						VOLUN	/IE AC	COUN	TING	(bbls)
HTHP Filtrate	(cm/30 m	in)	@ 250 °F	7.0		7.6	Surface	10 3/4		2	,906'	0'	Prev.	Γotal o	n Loca	tion	2562.0
HTHP Cake T	hickness	(32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	875 10),148'	0'	Transfe	erred Ir	n(+)/O	ut(-)	657.0
Retort Solids (Content			9%		10%								Oil	Added	l (+)	26.2
Corrected Soli	ids (vol%)			6.8%		7.7%								Barite	Added	l (+)	10.4
Retort Oil Con	itent			69%		67%	Oper	n Hole Size	6.	818 10	0,920'		Other P	roduct	Usage	+)	13.1
Retort Water (Content			22%		23%	AN	NULAR GE	ОМЕ	TRY & RH	EOLOGY			Water	Added	l (+)	
O/W Ratio				76:24		74:26	annula	r me	eas.	velocity	flow	ECD	Le	eft on C	Cutting	s (-)	-25.4
Whole Mud Cl	hlorides (r	ng/L)		55,000		57,000	section	n de	epth	ft/min	reg	lb/gal	E	vap & 0	Centrif	uge	-25.2
Water Phase	Salinity (p	pm)		281,620		279,856		•									
Whole Mud Al	kalinity, P	om		2.2		1.7	6.875x4	.5 2,9	973'	352.3	turb	9.74	Est.	Γotal o	n Loca	tion	3218.2
Excess Lime (lb/bbl)			2.9 ppb		2.2 ppb	6.875x5.3	375 3,0	002'	517.9	turb	9.81	Est. Los	ses/Ga	ains (-)	/(+)	0.0
Electrical Stab	ility (volts)		501 v		480 v	6.875x4	.5 5,	380'	352.3	turb	9.82	BIT	HYDR	AULIC	S DA	TA
Average Spec	ific Gravit	y of Solids	3	2.69		2.41	6.875x5.	25 5,	710'	483.0	turb	9.94	Bit H.S.I.	Bit .	ΔΡ	Nozzle	s (32nds)
Percent Low 0	Gravity So	lids		5.4%		7.5%							0.35	56	psi	18	18 18
ppb Low Grav	ity Solids			45 ppb		61 ppb							Bit Impact	Noz Velo		18	18 18
Percent Barite				1.3%		0.3%							Force	(ft/s	-		
ppb Barite				19 ppb		4 ppb	BIT D	ATA	Ma	anuf./Type	GTI	064M	150 lbs	84	4		
Estimated Tot	al LCM in	System	ppb				Size	Depth In	Н	ours Fo	otage R	OP ft/hr	Motor/M	WD	Calc.	Circ.	Pressure
Sample Taker	п Ву			A. ROMAN	0	0	6 3/4	10,171 ft	1	3.0 7	'49 ft	57.6	2,240	psi	;	3,114	psi
Remarks/Reco	mmendati	ons:					Rig Activity:										

OBM RECEIVED: 2083 bbls / OBM RETURNED: 0

OBM LOSSES: (- bbls DAY) / (-377bbls Cumulative)

OBM on surface: 1965bbls (Storage) / 789bbls (Active pits)

Over the past 24 hours: TIH and drill out Shoe track. perform FIT to 13EMW (2070psi). Resume Drilling 6.75" hole on curve section. MW balance out at 8.9ppg, maintain diesel additions for dilution, add necessary chemicals to maintain properties. As Drilling continues, MWD fail at 10920', attempts to reset same with unsuccesful results. Pump Slug and POOH to replace MWD. At 5710', Top drive start leaking oil. Trip stop and perfrom repairs on Top Drive. At the time of the report: Waiting on Mechanic to arrive on location for repairs. Bit at 5710'. At the time of the

Е	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
Р	none:	3	61-94	5-57	77	Ph	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 1	O 1	carefully	and may be	ecommendation, ex used if the user so ation, and this is a	elects, however	, no representation	nas been prepared on is made as to the	\$7,019.44	\$63,380.40
												INCLUDI	NG 3RD PAR	TY CHARGES	\$9,554.04	\$108,503.40

Date 03/14/21	Operator MAG I	NOLIA OIL		Well Name a	ind No. ABINE D 4-		Rig Name and No. 248		ort #9
	DAILY	USAGE 8	& COST					СИМИ	LATIVE
11			Previous	D i d	Closing	Daily	Daily Cost	Cum	0
ltem	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost	Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	10 60		10 60			30	-
PHPA LIQUID (pail) EVO-LUBE	5 gal gal	\$41.36 \$14.00	60		60			2	\$82.72
NEW GEL (PREMIUM)	100# sk	\$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	\$162.83	19		19				
DYNA DET	5 gal	\$32.23	34		34				
CACL2 (50)	50# sk	\$14.32	252		196	56	\$801.92	112	\$1,603.84
LIME (50)	50# sk	\$5.00	325		295	30	\$150.00	110	\$550.00
OPTI - G	50# sk	\$30.59	160		140	20	\$611.80	85	\$2,600.15
BENTONE 38 (50)	50# sk	\$163.94	50		46	4	\$655.76	12	\$1,967.28
BENTONE 910 (50)	50# sk	\$59.40	50		50				
BENTONE 990 (50)	50# sk	\$83.59	32		28	4	\$334.36	4	
OPTI - MUL	gal	\$10.75	330		330			55	
OPTI - WET	gal	\$8.34	495		495	20	¢4.404.00	165	
NEW PHALT OIL SORB (25)	50# sk 25# sk	\$38.72 \$4.75	170		140	30	\$1,161.60	100	\$3,872.00
OIL SOND (23)	23# SK	φ4.73							
NEW CARR ULTIMIX	50# sk	\$6.35	120		110	10	\$63.50	36	\$228.60
NEW CARB (M) CYBERSEAL	50# sk	\$5.25			-			-	
MAGMAFIBER F (25)	25# sk	\$28.05	138		128	10	\$280.50	50	\$1,402.50
MAGMAFIBER R (30)	30# sk	\$28.05	130		120	10	φ200.50	30	\$1,402.50
VARISEAL	50# sk	\$26.50	20		20			4	\$106.00
FIBER PLUG	30# sk	\$30.37							ψ.:σσ.σσ
NUT PLUG M (50)	50# sk	\$12.04	40		40			20	\$240.80
NEW WATE (SACK BARITE)	100# sk	\$11.50	180		180				
BARITE BULK (100)	100# sk	\$7.00	1000		850	150	\$1,050.00	636	\$4,452.00
ODTI DDILL (ODM)	E. C. C.	ФОТ 00	0416	65-	0776				Φ04 Ε0Ε 0
OPTI DRILL (OBM)	bbl	\$65.00	2116	657	2773			377	\$24,505.00
DISCOUNTED OBM	bbl	\$10.00	79		79				
MAGNOLIA OBM (LGS)	bbl	<u>L</u>	354		354				
MAGNOLIA OBM EXCESS	bbl			12	12				
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00	16	\$14,800.00
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00	16	1
ENGINEERING (MILES)	each	\$1.00						1889	
,									
TDLICKING (out)	, li	#0.05					l		
	each	\$2.65							# 050.00
TRUCKING (min)	each	\$650.00						1	· ·
TRUCKING (cwt) TRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)								1 13 13	\$156.00

Date	Operator			Well Name a	ind No.		Rig Name an	ame and No. Report No.			
03/14/21	MAG	NOLIA OIL	& GAS	S	ABINE D 4	-Н	24	48	Repo	ort #9	
	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	100		100			-			
TURBO CHEM / SYNSEAL	25# sk	\$85.00	100		100			-			
								•			
								•			
DIESEL DELIVERY 1-14-21	gal	\$1.74							7000	\$12,180.00	
DIESEL DELIVERY 1-15-21	gal	\$1.79							7000	\$12,530.00	
DIESEL DELIVERY 1-19-21	gal	\$1.74						_	8160	\$14,198.40	
DIESEL TRANSFER F/C 3H	gal	\$2.30	4902		3800	1102	\$2,534.60	<u>.</u>	2702	\$6,214.60	
DIESEL TRANSFER F/C 3H	gal	\$2.29	7200		7200						
DIESEL TRANSFER F/C 3H	gal	\$2.37	1800		1800						
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		<u> </u>		<u> </u>	Deller C	ub Tatal A) F24 CC	d	645.4	22.00	
					Daily S	ub-Total \$2	2,534.60		\$45,1	∠3.00	
								_			
	Cumu	ılative Total	AES & 3rd	Party \$108	,503.40						
						l					
L											

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: Rig Name: MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: SAB

SABINE D 4-H

		WEEK 1							WEEK 2							WEEK 3						
	Date	3/8/21	3/9/21	3/10/21	3/11/21	3/12/21	3/13/21	3/14/21	3/15/21	3/16/21	3/17/21	3/18/21	3/19/21	3/20/21	3/21/21	3/22/21	3/23/21	3/24/21	3/25/21	3/26/21	3/27/21	3/28/21
		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	9 7/8	6 3/4	6 3/4														
Grand	Starting Depth	2,916	2,916	7,250	9,924	10,171	10,171	10,171	10,920													
Totals	Ending Depth	2,916	7,250	9,924	10,171	10,171	10,171	10,920														
	Footage Drilled	-	4,334	2,674	247	-	-	749	-	_	-	_	_		_	-	_	_	-	-	-	_
		+ -		253			-		-	-			-	-	-	-		-	-	-	-	-
720	New Hole Vol.	-	411		23	-		33					_					_				
	Starting System Volume	2,480	2,963	3,348	3,703	3,610	466	2,562	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218
	Chemical Additions	6	17	8	2	6	-	13														
	Base Fluid Added	-	241	176	107		38	26														
	Barite Increase	-	-	34			-	10														
	Weighted Mud Added	477	481	476			2,083	657														
•	Slurry Added	-	-	-			-	-														
	Water Added	-	150	50		20	-	-														
-	Added for Washout	-	-	-			-	-														
5,078	Total Additions	483	890	743	109	26	2,121	707	-	-	-	-	-	-	-	-	-	-	-	•	-	-
204	Surface Losses	-	99	75	14	16	-	-														
	Formation Loss	-	-	-	123	51	-	-														
719	Mud Loss to Cuttings	-	406	264	24		-	25														
62		-	-	-	40	22	-	-														
100	Centrifuge Losses	-	-	50			25	25														
4 250	Tatallanan	_	505	200	204	00	05	F4							_					_	_	
1,258		<u> </u>	505	388	201	89	25	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,082	Mud Transferred Out					3,082																
3,218	Ending System Volume	2,963	3,348	3,703	3,610	466	2,562	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218
-																						
	Mud Recovered																					
	Mud Recovered			G	omment	c.					C	omment	ç.					C	omment	ç.		
	Mud Recovered		Nimala		omment		M.P., T.,	-170			С	omment	s:					С	omment	s:		
	Mud Recovered	2/9/24		and test BC	P, Fill up p	oits with OE			2/45/24		С	omment	s:			2/22/24		С	omment	s:		
	Mud Recovered	3/8/21	CaCl2 and	and test BC Lime. Opt	P, Fill up p	oits with OE			3/15/21		С	omment	s:			3/22/21		C	omments	s:		
	Mud Recovered	3/8/21	CaCl2 and	and test BC	P, Fill up p	oits with OE			3/15/21		С	omment	s:			3/22/21		C	omments	s:		
	7		CaCl2 and & 80's. NO	and test BC I Lime. Opt DV screens	P, Fill up p i Wet and	oits with OE Opti Mul. S	Screen up v	with 140's			С	omment	s:					C	omment	s:		
3,572	7	3/8/21	CaCl2 and & 80's. NO	and test BC Lime. Opt	P, Fill up pill Wet and one	oits with OE Opti Mul. S lassive GPI	Screen up v M = losses	with 140's at the	3/15/21		С	omment	s:			3/22/21		C	omment	s:		
3,572	7		CaCl2 and & 80's. NO	and test BC I Lime. Opt DV screens ermeditate	P, Fill up pill Wet and one	oits with OE Opti Mul. S lassive GPI	Screen up v M = losses	with 140's at the			С	omment	s:					C	omment	s:		
3,572	7		CaCl2 and & 80's. NO Drilling Inte shakers. A	and test BC Lime. Opt DV screens ermeditate Aggressive	P, Fill up p i Wet and section. M additions c	oits with OE Opti Mul. \$ lassive GPl of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.			C	omment	s:					C	omment	s:		
3,572	7		CaCl2 and & 80's. NO Drilling Inteshakers. A	and test BC I Lime. Opt DV screens ermeditate Aggressive	P, Fill up pi Wet and section. Madditions commedite sec	oits with OE Opti Mul. S lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.			C	omment	s:					C	omment	s:		
3,572	7	3/9/21	CaCl2 and & 80's. NO Drilling Inteshakers. A	and test BC Lime. Opt DV screens ermeditate Aggressive	P, Fill up pi Wet and section. Madditions commedite sec	oits with OE Opti Mul. S lassive GPI of Diesel-W	Screen up v M = losses ater and ch	at the nemicals.	3/16/21		C	omment	s:			3/23/21		C	omment	s:		
3,572	7	3/9/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling ahe Sync. POO	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Intel DH to change	PP, Fill up p i Wet and section. M additions c	oits with OE Opti Mul. § lassive GPl of Diesel-W ction. At 99 e.	Screen up v M = losses ater and ch	at the nemicals.	3/16/21		C	omment	s:			3/23/21		C	omment	s:		
3,572	7	3/9/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling and Sync. POO Drilled to in	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Inter DH to change interval TD a	PP, Fill up p i Wet and section. M additions c	oits with OE Opti Mul. § lassive GPl of Diesel-W ction. At 99 e.	Screen up v M = losses ater and ch	at the nemicals.	3/16/21		C	omment	s:			3/23/21		C	omment	s:		
3,572	7	3/9/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling ahe Sync. POO	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Inter DH to change interval TD a	PP, Fill up p i Wet and section. M additions c	oits with OE Opti Mul. § lassive GPl of Diesel-W ction. At 99 e.	Screen up v M = losses ater and ch	at the nemicals.	3/16/21		C	omment	s:			3/23/21		C	omments	s:		
3,572	7	3/9/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling and Sync. POO Drilled to in 9,734'TVD	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Inter DH to change	P, Fill up p i Wet and . section. M additions c rmedite see e out sam	opti Mul. \$ Opti Mul. \$ lassive GPI of Diesel-W ction. At 99 e.	M = losses 'ater and ch	at the nemicals.	3/16/21		C	omment	s:			3/23/21		C	omments	s:		
3,572	7	3/9/21 3/10/21 3/11/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling and Sync. POO Drilled to in 9,734TVD	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Inter DH to change interval TD and e intermedit	P, Fill up p i Wet and section. M additions c rmedite se ge out sam at 10,171'N	obits with OE Opti Mul. \$ lassive GPI dassive GPI f Diesel-W ction. At 99 e. MD, (KOP a	M = losses 'ater and ch	at the nemicals.	3/16/21 3/17/21 3/18/21		C	omment	S:			3/23/21 3/24/21 3/25/21		C	omments	5:		
3,572	7	3/9/21 3/10/21 3/11/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling and Sync. POO Drilled to in 9,734'TVD	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Inter DH to change interval TD and e intermedit	P, Fill up p i Wet and section. M additions c rmedite se ge out sam at 10,171'N	obits with OE Opti Mul. \$ lassive GPI dassive GPI f Diesel-W ction. At 99 e. MD, (KOP a	M = losses 'ater and ch	at the nemicals.	3/16/21		C	omment	S:			3/23/21		C	omments	S:		
3,572	7	3/9/21 3/10/21 3/11/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling and Sync. POO Drilled to in 9,734'TVD Cement the 3077bbls/	and test BC I Lime. Opt IV screens ermeditate Aggressive ead on Inter DH to change interval TD are e intermeditate 466bbls 9.0	P, Fill up p i Wet and section. M additions c rmedite ser ge out sam at 10,171'M ate string w pppg left in	bits with OE Opti Mul. \$ Opti Mul. \$ Idassive GPI of Diesel-W ction. At 99 e. MD, (KOP a with good re casing.	M = losses ater and ch 124' MWD f at 9,924'MD	at the nemicals.	3/16/21 3/17/21 3/18/21		C	omment	S:			3/23/21 3/24/21 3/25/21		C	omments	S:		
3,572	7	3/9/21 3/10/21 3/11/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling and Sync. POO Drilled to in 9,734'TVD Cement the 3077bbls/	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Inter DH to chang interval TD a e intermedi 466bbls 9.0	P, Fill up p i Wet and . section. M additions c rmedite se- ge out sam- at 10,171'M ate string v oppg left in e accounti	opti with OE Opti Mul. \$ Opti Mul. \$ Idassive GPI of Diesel-W ction. At 99 e. MD, (KOP a with good re casing. ng sheet. \$2	M = losses ater and ch 124' MWD f 1t 9,924'MD eturns. Ski	at the nemicals. ail to	3/16/21 3/17/21 3/18/21 3/19/21		C	omment	S:			3/23/21 3/24/21 3/25/21 3/26/21		C	omments	S:		
3,572	7	3/9/21 3/10/21 3/11/21	CaCl2 and & 80's. NO Drilling Intershakers. A Drilling and Sync. POO Drilled to in 9,734 TVD Cement the 3077bbls/ Modify date from C 3-H	and test BC I Lime. Opt DV screens ermeditate a Aggressive ead on Inter DH to change interval TD a e intermedi 466bbls 9.0 e on Volum H. Cut MW	P, Fill up p i Wet and . section. M additions c rmedite se- ge out sam- at 10,171'M ate string v oppg left in e accounti	opti with OE Opti Mul. \$ Opti Mul. \$ Idassive GPI of Diesel-W ction. At 99 e. MD, (KOP a with good re casing. ng sheet. \$2	M = losses ater and ch 124' MWD f 1t 9,924'MD eturns. Ski	at the nemicals. ail to	3/16/21 3/17/21 3/18/21 3/19/21		C	omment	s:			3/23/21 3/24/21 3/25/21		C	omments	S:		
3,572	7	3/9/21 3/10/21 3/11/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling and Sync. POO Drilled to in 9,734'TVD Cement th 3077bbls/ Modify dat from C 3-H up BHA an	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Intel DH to chang nterval TD a e intermedi 466bbls 9.0 e on Volum I. Cut MW and TIH.	P, Fill up p i Wet and section. M additions c rmedite ser ge out sam at 10,171'N ate string v ppg left in e accounti down to 9p	bits with OE Opti Mul. \$ Idassive GPI of Diesel-W ction. At 99 e. MD, (KOP a with good re casing. ng sheet. 2 ppg w/Cent	M = losses ater and ch 24' MWD f at 9,924'MD eturns. Ski 2083bbls T rifuge & Dia	at the nemicals. ail to d Vol. ransfer esel. Pick	3/16/21 3/17/21 3/18/21 3/19/21		C	omment	s:			3/23/21 3/24/21 3/25/21 3/26/21		C	omments	S:		
3,572	7	3/9/21 3/10/21 3/11/21 3/12/21	CaCl2 and & 80's. NO Drilling Inte shakers. A Drilling and Sync. POO Drilled to in 9,734'TVD Cement the 3077bbls/ Modify dat from C 3-Hup BHA an Drill out sh	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Inter DH to chang nterval TD a 466bbls 9.0 e on Volum H. Cut MW and TIH.	P, Fill up p i Wet and section. M additions c rmedite se- ge out sam- at 10,171'N ate string v Oppg left in e accounti down to 9p	opti with OE Opti Mul. \$ Opti Mul. \$ Idassive GPI of Diesel-W ction. At 99 e. MD, (KOP a with good re casing. ng sheet. \$ Opti Mile A opti Mile Cent opti Mile A opti Mile Cent opti Mile A opti Mile Cent opti Mile A opti	M = losses ater and children with the state of the state	at the nemicals. ail to d Vol. ransfer esel. Pick ve section	3/16/21 3/17/21 3/18/21 3/19/21 3/20/21		C	omment	S:			3/23/21 3/24/21 3/25/21 3/26/21 3/27/21		C	omments	S:		
3,572	7	3/9/21 3/10/21 3/11/21 3/12/21	CaCl2 and & 80's. NO Drilling Intershakers. A Drilling and Sync. POO Drilled to in 9,734 TVD Cement the 3077bbls/ Modify date from C 3-Hup BHA and Drill out she to 10920'.	and test BC I Lime. Opt DV screens ermeditate Aggressive ead on Inter DH to chang nterval TD a 466bbls 9.0 e on Volum H. Cut MW and TIH.	P, Fill up p i Wet and section. M additions c rmedite sege out same at 10,171'M ate string v oppg left in e accounti down to 9p	obits with OE Opti Mul. \$ Iassive GPI of Diesel-W ction. At 99 e. AD, (KOP a with good re casing. ng sheet. 2 ppg w/Cent Drilled ah eplace. To	M = losses ater and children with the state of the state	at the nemicals. ail to d Vol. ransfer esel. Pick ve section	3/16/21 3/17/21 3/18/21 3/19/21		C	omment	S:			3/23/21 3/24/21 3/25/21 3/26/21		C	omments	S:		

OUTSOURCE FLUID SOLUTIONS LLC.

11.4° 10,007' TVD

Operator MAGI Well Name and No.	NOLIA (OIL &	GAS	Contractor PA Rig Name ar	TTERSO	ON	County / Parish / WASH	Block	N		1/16		24 hr ftg	0 ft		Drilled I	10,9	20 ft	t
	SABINE	D 4-H	4	Rig Name ar	10 No. 248			EXAS		Spud Date	1/16	/21	Current	0 ft/hr		Activity	TI	н	
Report for	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	D 4.	•	Report for			Field / OCS-G #	-7/7/10		Fluid Type		, <u> </u>	Circulat	ting Rate		Circulat	ting Pre		
JIM HAR	RISON/	JAME	S DYER	To	ol Pusi	ner	GIDDIGNS			ОВМ				0 gpm			psi		
	MUD	PROPE	ERTY SPECIF	ICATION	s		MUD VOLUME (BBL)			PUMP #1				PUMP #2			RISER BOOSTER		TER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	80′	1 bbl	Liner S	Size	4.75	Liner	Liner Size 4		Liner	Size	4.	.75
8.8-9.8	5-20	4-15	>450	±275K	<10 <15	<10	In Hole	440	0 bbl	Strok	æ	12	Stro	oke 1	2	Stro	oke	1	12
		l		3/15/21		3/14/21	Active	120	ldd 8	bbl/s	tk	0.0625	bbl/	/stk 0.0	625	bbl/	/stk	0.0	625
Time Sample	Taken			3:00		14:00	Storage	196	5 bbl	stk/m	iin	0	stk/	stk/min 0		stk/	min	(0
Sample Locati	ion			suction		suction	Tot. on Location 3206 bbl			gal/m	nin	0	gal/	min	0	gal/	min	(0
Flowline Temp	lowline Temperature °F							PHHP = 0		ı	CIR	CULATIO	DN DA	TA		n = 0	0.628	K = 22	23.367
Depth (ft)				10,920'		10,920'	Bit Depth = 10,200 '				V	Vashout =	1%		Pump	Effici	ency :	= 95%	6
Mud Weight (p	Mud Weight (ppg)			9.1		8.9	Drill String	Volume	to Bit	142.2	bbl	Strokes	To Bit	l .		Time	To Bit		
Funnel Vis (se	Funnel Vis (sec/qt) @ 80 °			47		42	Disp.	Bottoms U	Jp Vol.	265.0	bbl	BottomsU	p Stks		Botto	msUp	Time		
600 rpm				34		31	61.1 bbl	TotalCi	rc.Vol.	1208.2	bbl	TotalCir	c.Stks		Tota	Total Circ. Time			
300 rpm				22		21	DRILLING ASSI			SEMBLY	/ DAT	A		s	OLID	IDS CONTROL			
200 rpm	200 rpm					16	Tubulars OD (in.) ID			(in.)	Len	gth T	ор	Unit	Unit Screens			Но	ours
100 rpm	00 rpm					12	Drill Pipe	4.500	3.	826	7,46	60'	0'	Shaker	1	20	00	12	2.0
6 rpm				6		5	Agitator	5.375	3.	000 29' 7,46		460'	Shaker 2		20	00	12	2.0	
3 rpm				4		4	Drill Pipe	4.500	3.	826	2,37	78' 7,	489'	Shaker 3		20	00	12	2.0
Plastic Viscos	·		@ 150 °F	12		10	Dir. BHA	5.250	2.	500	33	3' 9,	867'						
Yield Point (lb.	/100 ft²)		T0 = 2	10		11		CASIN	IG & I	HOLE D	ATA								
Gel Strength (lb/100 ft²)	1	10 sec/10 min	6/11		5/9	Casing	OD (in.)	ID	(in.)	Dep	oth T	ор	Centrifuç	ge 1	NC	ΟV		
Gel Strength (lb/100 ft ²)		30 min	14		11	Riser						•	VOLUN	IE AC	COU	NTING	G (bb	ls)
HTHP Filtrate	(cm/30 mi	in)	@ 250 °F	7.0		7.0	Surface	10 3/4			2,90	06'	0'	Prev. 7	otal o	n Loc	ation	32	218.2
HTHP Cake T	hickness ((32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	875	10,1	48'	0'	Transfe	erred I	n(+)/C	Out(-)		
Retort Solids (Content			11%		9%									Oil	Adde	ed (+)		0.0
Corrected Soli	ids (vol%)			8.8%		6.8%									Barite	Adde	ed (+)		0.0
Retort Oil Con	itent			67%		69%	Oper	Hole Size	6.	818	10,9	20'		Other Pr	roduct	Usag	je (+)		0.0
Retort Water (Content			22%		22%	ANI	NULAR GE	ОМЕ	TRY & I	RHEC	LOGY		,	Water	Adde	ed (+)		
O/W Ratio				75:25		76:24	annular	· me	eas.	veloc	ity	flow E	CD	Le	ft on (Cutting	gs (-)		0.0
Whole Mud Cl	hlorides (n	ng/L)		54,000		54,500	section	de	epth	ft/mi	in	reg lb	/gal	E	vap &	Centr	ifuge		
Water Phase	Salinity (p	pm)		277,923		279,776		•			•			Non-Red	covera	ble V	ol. (-)		-12.5
Whole Mud Al	kalinity, P	om		2.0		2.0	6.875x4.	5 7,4	460'	0.0)	lam 9	.10	Est. 7	otal o	n Loc	ation	32	205.7
Excess Lime (lb/bbl)			2.6 ppb		2.6 ppb	6.875x5.3	7,4	489'	0.0)	lam 9	.10	Est. Losses/0		ains (-)/(+)		0.0
Electrical Stab	oility (volts))		485 v		495 v	6.875x4.	5 9,8	867'	0.0		lam 9	.10	BIT HY		RAULI	ICS D	ATA	
Average Spec	ific Gravit	y of Soli	ids	2.55		2.68	6.875x5.2	25 10,	,148'	0.0)	lam 9	.10	Bit H.S.I.	Bit	ΔΡ	Nozz	les (32	2nds)
Percent Low 0	Gravity Sol	lids		7.8%		5.5%	6.818x5.2	25 10,	,200'	0.0)	lam 9	.10	0.00	ŗ	osi	18	18	18
ppb Low Grav	ity Solids			64 ppb		45 ppb								I Rit Impact		zzle ocity	18	18	18
Percent Barite	ercent Barite			1%		1.3%								Force		sec)			
ppb Barite	ppb Barite			14 ppb		19 ppb	BIT D	ATA	Ma	anuf./Ty	ре	GTD6	4M	0 lbs)			
Estimated Tot	Estimated Total LCM in System ppb						Size	Depth In	Н	ours	Foot	age ROI	⊃ ft/hr	Motor/M	WD	Calc	. Circ	Pres	sure
Sample Taker	Sample Taken By				0	M Washburn	6 3/4	10,920 ft		0.0	0 1	t #D	IV/0!	2,240	psi				
, , , , , , , , , , , , , , , , , , , ,	,			A. ROMAN	<u> </u>														

Remarks/Recommendations:

OBM RECEIVED: 2083 bbls / OBM RETURNED: 0

OBM LOSSES: (- bbls DAY) / (-377bbls Cumulative)

OBM on surface: 1965bbls (Storage) / 789bbls (Active pits)

Rig Activity:

Over the past 24 hours: Repairs to Top Drive rotating link adapter completed. Refill Hydraulic and Gear oil, dress up Top drive and all corresponding hydraulic lines. Function test and release from repairs. As well is been shut in for the repairs (18hrs), Casing pressure 0psi, open well up and monitor for flow. Well in static conditions, resume POOH to change out MWD, Mud Motor and Bit. TIH with new BHA to resume Drilling operations. As previously pumped slug has been displaced from wellbore, reflected an increase in the MW and such solids incresed. Will treat and dilute accordingly as circulation is resotre. At the time of the report: Continue TIH, Bit passing 10322'.

F	na. 1:	Mi	ke W	ashhi	ırn	Fr	na 2.	Adolf	Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
	hone:		61-94				5		21-9994	Phone:	432-686-7361	Phone:	-	rag i none.	Daily Total	Guirialauvo Goot
W 1	P 1	Y 1	E 1	C 1	g 1	G 1	H 1	O 1	carefully	and may be	ecommendation, ex used if the user so ation, and this is a	elects, however	, no representation	nas been prepared on is made as to the	\$1,910.00	\$65,290.40
												INCLUDI	NG 3RD PAR	TY CHARGES	\$1,910.00	\$110,413.40

Date 03/15/21	Operator MAG I	NOLIA OIL		Well Name a	ING INO. ABINE D 4-	Н	Rig Name ar	10 No. 48	Report No. Repo	rt #10
	DAILY	USAGE 8	& COST						CUMUI	LATIVE
			Previous		Closing	Daily			Cum	
ltem	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost		Usage	Cum Cos
SAPP (50)	50# sk	\$44.56			10				30	
PHPA LIQUID (pail)	5 gal	\$41.36			60				2	\$82.7
EVO-LUBE	gal	\$14.00								
NEW GEL (PREMIUM)	100# sk	\$19.75			70					
ALUMINUM TRISTEARATE	25# sk	\$162.83	19		19					
DYNA DET	5 gal	\$32.23	34		34					
CACL2 (50)	50# sk	\$14.32	196		196				112	\$1,603.8
IME (50)	50# sk	\$5.00	295		295				110	\$550.0
PTI - G	50# sk	\$30.59	140		140				85	\$2,600.1
BENTONE 38 (50)	50# sk	\$163.94	46		46				12	\$1,967.2
BENTONE 910 (50)	50# sk	\$59.40	50		50					
BENTONE 990 (50)	50# sk	\$83.59	28		28				4	\$334.3
OPTI - MUL	gal	\$10.75	330		330				55	\$591.2
PPTI - WET	gal	\$8.34	495		495			1	165	-
IEW PHALT	50# sk	\$38.72	140		140			1	100	
DIL SORB (25)	25# sk	\$4.75								
								1		
IEW CARB ULTIMIX	50# sk	\$6.35	110		110			1	36	\$228.60
IEW CARB (M)	50# sk	\$6.35 \$5.25	110		110			1	30	φ∠∠δ.δ
CYBERSEAL	50# SK	φ3.∠5								
AGMAFIBER F (25)	25# sk	\$28.05	128		128			1	50	\$1,402.5
	+		120		120				50	\$1,402.5
MAGMAFIBER R (30) /ARISEAL	30# sk	\$28.05 \$26.50	20		20		1		4	¢100.0
IBER PLUG	50# sk 30# sk	\$26.50 \$30.37	20		20		1	-		\$106.0
		\$30.37	40		40		1	-	20	00400
UT PLUG M (50)	50# sk	\$12.04	40		40				20	\$240.8
		4								
NEW WATE (SACK BARITE)	100# sk	\$11.50			180		1	-		A. :-
SARITE BULK (100)	100# sk	\$7.00	850		850		-	-	636	\$4,452.0
		-					1	-		
								<u> </u>		
DETURNIL (OF: ")		A = -								004 = 1
PTI DRILL (OBM)	bbl	\$65.00	2773		2773				377	\$24,505.0
ISCOUNTED OBM	bbl	\$10.00	79		79					
MAGNOLIA OBM (LGS)	bbl		354		354]		
MAGNOLIA OBM EXCESS	bbl		12			12	!		12	
-										
NGINEERING (24 HR)	each	\$925.00				2	\$1,850.00		18	\$16,650.0
NGINEERING (DIEM)	bbl	\$30.00				2	\$60.00		18	\$540.0
NGINEERING (MILES)	each	\$1.00							1889	
								1		
	each	\$2.65								
RUCKING (min)	each	\$650.00							1	-
RUCKING (cwt) RUCKING (min) PALLETS (ea) SHRINK WRAP (ea)									1 13 13	

Date	Operator			Well Name a	ind No.		Rig Name and	me and No. Report No.		
03/15/21	MAG	NOLIA OIL	& GAS	S	ABINE D 4	-Н	24	18	Repoi	rt #10
	DAILY	USAGE 8	k COST						CUMUL	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	100		100			•		
TURBO CHEM / SYNSEAL	25# sk	\$85.00	100		100			•		
DIESEL DELIVERY 1-14-21	gal	\$1.74							7000	\$12,180.00
DIESEL DELIVERY 1-15-21	gal	\$1.79							7000	\$12,530.00
DIESEL DELIVERY 1-19-21	gal	\$1.74						-	8160	\$14,198.40
DIESEL TRANSFER F/C 3H	gal	\$2.30			3800			-	2702	\$6,214.60
DIESEL TRANSFER F/C 3H	gal	\$2.29			7200					
DIESEL TRANSFER F/C 3H	gal	\$2.37	1800		1800					
								-		
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									\$45,1	23.00
								-		
	Cumu	ılative Tota	AES & 3rd	Party \$110	,413.40					

FLUID VOLUME ACCOUNTING Operator: N

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: SAB

SABINE D 4-H

					WEEK 1							WEEK 2							WEEK 3			
	Date	3/8/21	3/9/21	3/10/21	3/11/21	3/12/21	3/13/21	3/14/21	3/15/21	3/16/21	3/17/21	3/18/21	3/19/21	3/20/21	3/21/21	3/22/21	3/23/21	3/24/21	3/25/21	3/26/21	3/27/21	3/28/21
		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	9 7/8	6 3/4	6 3/4	6 3/4													
Grand	Starting Depth	2,916	2,916	7,250	9,924	10,171	10,171	10,171	10,920	10,920												
Totals	Ending Depth	2,916	7,250	9,924	10,171	10,171	10,171	10,920	10,920													
	Footage Drilled	-	4,334	2,674	247	-	-	749	-	-	_	_		_	_	_	_	_	_	_		-
,	New Hole Vol.	-	411	253	23	-		33	_								-	_				
	Starting System Volume	2,480	2,963	3,348	3,703	3,610	466	2,562	3,218	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206
	Chemical Additions		,	-	-		400		3,210	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
	Base Fluid Added	- 6	241	8 176	107	6	38	13 26	-													
	Barite Increase		- 241	34	107		-	10	-													
		477		476				657														
	Weighted Mud Added Slurry Added	- 4//	481	-			2,083	- 007	-													
	-		150	50		20		<u> </u>														
	Water Added	-	150	- 50		20	-	-	-													
	Added for Washout																					
•	Total Additions	483	890	743	109	26	2,121	707	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surface Losses	-	99	75	14	16	-	-	12													
	Formation Loss	-	-	-	123	51	-	-	-													
	Mud Loss to Cuttings	-	406	264	24		-	25	-													
	Unrecoverable Volume	-	-	-	40	22	-	-	-													
100	Centrifuge Losses	-	-	50			25	25	-													
1,270	Total Losses	-	505	388	201	89	25	51	12	-	-	-	-	-	-	-	-	-	-	-	-	-
3 082	Mud Transferred Out					3,082																
, and the second se						· · · · ·	1	1									1					
5 206	Ending System Volume	2 963	3 348	3 703	3 610	466	2 562	3 218	3 206	3 206	3 206	3 206	3 206	3 206	3 206	3 206	3 206	3 206	3 206	3 206	3 206	3 206
	Ending System Volume	2,963	3,348	3,703	3,610	466	2,562	3,218	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206
	Ending System Volume Mud Recovered	2,963	3,348	3,703	3,610	466	2,562	3,218	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206	3,206
		2,963	3,348	·	3,610 omment		2,562	3,218	3,206	3,206	•	3,206 omment	,	3,206	3,206	3,206	3,206	,	3,206 omment	,	3,206	3,206
			Nipple up	C and test BC	omment	s: pits with OF	BM Pre Tre	at with		,	С	omment	s:				3,206	,	,	,	3,206	3,206
		2,963	Nipple up CaCl2 and	C and test BC Lime. Op	omment	s: pits with OF	BM Pre Tre	at with		,	С	omment	s:	3,206		3,206	3,206	,	,	,	3,206	3,206
			Nipple up	C and test BC Lime. Op	omment	s: pits with OF	BM Pre Tre	at with		,	С	omment	s:				3,206	,	,	,	3,206	3,206
-		3/8/21	Nipple up CaCl2 and & 80's. No	cand test BC Lime. Op DV screens	omment. DP, Fill up pti Wet and	s: Dits with OF	BM Pre Tre Screen up v	at with with 140's	3/15/21	,	С	omment	s:			3/22/21	3,206	,	,	,	3,206	3,206
			Nipple up CaCl2 and & 80's. NO	cand test BC Lime. Op DV screens	omment: DP, Fill up pti Wet and	s: Dits with OBO Opti Mul.	BM Pre Tre Screen up v M = losses	at with with 140's		,	С	omment	s:				3,206	,	,	,	3,206	3,206
-		3/8/21	Nipple up CaCl2 and & 80's. NO	and test BC I Lime. Opi DV screens	omment: DP, Fill up pti Wet and	s: Dits with OBO Opti Mul.	BM Pre Tre Screen up v M = losses	at with with 140's	3/15/21	,	С	omment	s:			3/22/21	3,206	,	,	,	3,206	3,206
-		3/8/21	Nipple up CaCl2 and & 80's. No	and test BC Lime. Op DV screens ermeditate Aggressive	omment: DP, Fill up p ti Wet and . section. M additions of	s: Opti Mul. S lassive GP of Diesel-W	BM Pre Tre Screen up v M = losses ater and ch	at with with 140's at the nemicals.	3/15/21	,	С	omment	s:			3/22/21	3,206	,	,	,	3,206	3,206
-		3/8/21	Nipple up CaCl2 and & 80's. No	and test BC Lime. Op DV screens ermeditate Aggressive	omment. DP, Fill up pti Wet and . section. Madditions commedite sec	s: Opti Mul. S lassive GP of Diesel-W	BM Pre Tre Screen up v M = losses ater and ch	at with with 140's at the nemicals.	3/15/21	,	С	omment	s:			3/22/21	3,206	,	,	,	3,206	3,206
-		3/8/21	Nipple up CaCl2 and & 80's. No	and test BC Lime. Op DV screens ermeditate Aggressive	omment. DP, Fill up pti Wet and . section. Madditions commedite sec	s: Opti Mul. S lassive GP of Diesel-W	BM Pre Tre Screen up v M = losses ater and ch	at with with 140's at the nemicals.	3/15/21	,	С	omment	s:			3/22/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21	Nipple up CaCl2 and & 80's. NO Drilling International Sync. POC	and test BC Lime. Op DV screens ermeditate Aggressive	omment. DP, Fill up p ti Wet and . section. M additions c	s: Opti Mul. S lassive GP of Diesel-W ction. At 95	BM Pre Tre Screen up v M = losses later and ch	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21	3,206	,	,	,	3,206	3,206
-		3/8/21	Nipple up CaCl2 and & 80's. NO Drilling International Sync. POC	C and test BC Lime. Opportunities of the Common Com	omment. DP, Fill up p ti Wet and . section. M additions c	s: Opti Mul. S lassive GP of Diesel-W ction. At 95	BM Pre Tre Screen up v M = losses later and ch	at with with 140's at the nemicals.	3/15/21	,	С	omment	s:			3/22/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21	Nipple up CaCl2 and & 80's. No Drilling International Sync. POO	C and test BC Lime. Opportunities of the Common Com	omment. DP, Fill up p ti Wet and . section. M additions c	s: Opti Mul. S lassive GP of Diesel-W ction. At 95	BM Pre Tre Screen up v M = losses later and ch	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21	Nipple up CaCl2 and & 80's. No Drilling International Cache	C and test BC Ltime. Opportunities of the control o	omment. DP, Fill up p ti Wet and . section. M additions c rmedite sege out same	s: Opti Mul. 3 lassive GP of Diesel-W ction. At 99 e.	BM Pre Tre Screen up v M = losses l'ater and ch D24' MWD f	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21 3/18/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21 3/25/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21	Nipple up CaCl2 and & 80's. No Drilling International Cache	and test BG I Lime. Opport Some of the Common of the Commo	omment. DP, Fill up p ti Wet and section. M additions c rmedite sec ge out sam at 10,171'M	s: Dits with OD Opti Mul. lassive GP of Diesel-W ction. At 99 e. MD, (KOP a	BM Pre Tre Screen up v M = losses l'ater and ch D24' MWD f	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21	Nipple up CaCl2 and & 80's. No Drilling Introduced Sync. Pool Drilled to in 9,734'TVD Cement the 3077bbls/	and test BC Lime. Opin DV screens ermeditate Aggressive ead on Inte DH to change the control of	omment. DP, Fill up p ti Wet and . section. M additions of the section and the section and the section are setting with the section and the section and the section are string with the section and the section are string with the section and the section are setting with the section and the section are setting with the section and the section are setting with the section are setting with the section and the section are setting with the section and the section are setting with the section are setting with the section and the section are setting with the section are	s: Dits with OP Opti Mul. ! lassive GP of Diesel-W ction. At 99 e. MD, (KOP a	BM Pre Trees Screen up v M = losses later and cl 224' MWD f at 9,924'MD	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21 3/18/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21 3/25/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21 3/11/21	Nipple up CaCl2 and 8 80's. No Drilling Introduced Sync. POC Drilled to in 9,734 TVD Cement th 3077bbls/	and test BC I Lime. Opi DV screens ermeditate Aggressive ead on Inte DH to chang interval TD e interval TD	omment. DP, Fill up p ti Wet and . section. M additions c rmedite sege out same at 10,171'M ate string w Dppg left in the accounting	S: Opti With OP Opti Mul. S lassive GP of Diesel-W ction. At 98 e. MD, (KOP a with good re casing. ng sheet. S	BM Pre Treescreen up v M = losses 'ater and cl 224' MWD f at 9,924'MD eturns. Ski	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21 3/18/21 3/19/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21 3/25/21 3/26/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21 3/11/21	Nipple up CaCl2 and & 80's. NO Drilling Introduced Shakers. A Drilling ah Sync. POO Drilled to it 9,734 TVD Cement th 3077bbls/ Modify dat from C 3-h	C and test BC Lime. Op/DV screens ermeditate Aggressive ead on Inte DH to change the interval TD e interval TD e interval 466bbls 9.0 e on Volum I. Cut MW	omment. DP, Fill up p ti Wet and . section. M additions c rmedite sege out same at 10,171'M ate string w Dppg left in the accounting	S: Opti With OP Opti Mul. S lassive GP of Diesel-W ction. At 98 e. MD, (KOP a with good re casing. ng sheet. S	BM Pre Treescreen up v M = losses 'ater and cl 224' MWD f at 9,924'MD eturns. Ski	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21 3/18/21 3/19/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21 3/25/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21 3/11/21	Nipple up CaCl2 and 8 80's. No Drilling Introduced Sync. POO Drilled to in 9,734'TVD Cement the 3077bbls/ Modify data from C 3-hup BHA and 12 and 12 and 12 and 13 and 14 and 15	and test BCI Lime. Opport Street BCI Lime. Opport Stre	omment. DP, Fill up p ti Wet and . section. M additions of the section and the section and the section are section and the section and the section and the section and the section are accounted down to 9p	s: Dits with OP Opti Mul. ! lassive GP of Diesel-W ction. At 98 e. MD, (KOP a with good re casing. ng sheet. : ppg w/Cent	BM Pre Trees Trees are and closes at 1924' MWD for the 1924' MWD f	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21 3/18/21 3/19/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21 3/25/21 3/26/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21 3/11/21 3/12/21	Nipple up CaCl2 and 8 80's. No Drilling Introduced Sync. POC Drilled to in 9,734 TVD Cement th 3077bbls/ Modify dat from C 3-hup BHA ar Drill out sh	and test BC I Lime. Opi DV screens ermeditate Aggressive ead on Inte DH to chang interval TD e interval TD e on Volum I. Cut MW dd TIH.	omment. DP, Fill up p ti Wet and section. M additions c rmedite sege out same at 10,171'M ate string w Dppg left in the accountification of the section of t	s: Opti Wul. S lassive GP f Diesel-W ction. At 98 e. MD, (KOP a with good re casing. ng sheet. S ppg w/Cent	BM Pre Treescreen up v M = losses later and cl 224' MWD f at 9,924'MD eturns. Ski 2083bbls T rifuge & Di ead on cur	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21 3/18/21 3/19/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21 3/25/21 3/26/21	3,206	,	,	,	3,206	3,206
-		3/8/21 3/9/21 3/10/21 3/11/21 3/12/21	Nipple up CaCl2 and & 80's. No Drilling Introduced Sync. POO Drilled to in 9,734 TVD Cement th 3077bbls/ Modify dat from C 3-hup BHA ar Drill out should be to 10920'.	and test BC I Lime. Opi DV screens ermeditate Aggressive ead on Inte DH to chang interval TD e interval TD e on Volum I. Cut MW dd TIH.	omment. DP, Fill up pti Wet and . section. Madditions commedite sege out same at 10,171'Mate string with the accounting down to 9pti T 13EMW POOH to r	s: Opti with OF Opti Mul. ! lassive GP of Diesel-W ction. At 99 e. AD, (KOP a with good r casing. ng sheet. : ppg w/Cent Drilled ah eplace. To	BM Pre Treescreen up v M = losses later and cl 224' MWD f at 9,924'MD eturns. Ski 2083bbls T rifuge & Di ead on cur	at with with 140's at the nemicals.	3/15/21 3/16/21 3/17/21 3/18/21 3/19/21	,	С	omment	s:			3/22/21 3/23/21 3/24/21 3/25/21 3/26/21	3,206	,	,	,	3,206	3,206

OUTSOURCE FLUID SOLUTIONS LLC.

110 Old Market St.

St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

86.8°

10,630' TVD

		OIL & G	AS		TERSO	ON		HINGTOI			er Start Date 01/16/21		r ftg.			2,12() ft	
Well Name and No.	ABINE	D 4-H		Rig Name ar	248		State T	EXAS		Spud D	^{oate} 01/16/21	Curr	ent ROP 308 ft/hr		Activity DRL	3 LAT	ER/	ΑL
Report for	7.01112	<u> </u>		Report for			Field / OSC-G			Fluid Ty		Circ	ulating Rate		Circulatir			_
JIM HARF	RISON/	JAMES	DYER	То	ol Pusł	ner	GIE	DIGNS			OBM		386 gpm	1	4,	670	psi	
	MUD	PROPERT	Y SPECI	FICATION	IS		MUD V	DLUME (BE	BL)		PUMP #1		PUMP #2		RISE	R BO	OSTE	ΕR
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	801	bbl	Liner	Size 4.	75 Lin	er Size 4.	75	Liner S	Size	4.75	5
8.8-9.8	5-20	4-15	>450	±275K	<10 <15	<10	In Hole	e 483	bbl	Stro	oke 1	2 S	troke 1	2	Strok	e	12	:
	M	UD PROP	ERTIES				Active	1284	4 bbl	bbl/	/stk 0.0	625 b	obl/stk 0.0	625	bbl/s	tk	0.062	25
Time Sample	Taken			3:00		13:00	Storag	e <u>1965</u>	5 bbl	stk/i	min 7	5 s	tk/min 7	'2	stk/m	iin		
Sample Locati	ion			suction		suction	Tot. on Lo	cation 3249	9 bbl	gal/i	min 19	97 g	al/min 18	89	gal/m	iin		
Flowline Temp	erature °	F				136 °F	Mud Wt. =	= 9.1 PV=	=12	YP=	=10 CI I	RCULATI	ION DATA		n = 0.	528 K	= 22	23.4
Depth (ft)				10,920'		12,110'	Bit D	epth = 12,	120 '		Wash	out = 1%		Pump	Efficie	ncy = 9	95%	
Mud Weight (p	opg)			9.1		9.0	Drill String	Volume	to Bit	169.	5 bbl Str	okes To E	Bit 2,713		Γime Τα	Bit	18 m	nin
Funnel Vis (se	ec/qt)		@ 122 °F	47		44	Disp.	Bottoms Up	o Vol.	314.0	0 bbl Botto	msUp Stk	s 5,026	Bottor	nsUp T	ïme	34 m	nin
600 rpm				34		30	71.5 bbl	TotalCire	c.Vol.	1284.	.4 bbl To	talCirc.Stk	s 20,562	Total	Circ. T	ime ´	140 m	nin
300 rpm				22		20		DRILLING	S ASS	SEMB	LY DATA		s	OLIDS	CON	TROL		
200 rpm	•					16	Tubulars	OD (in.)	ID ((in.)	Length	Тор	Unit		Scree	ens	Hour	rs
100 rpm				12		12	Drill Pipe	4.500	3.8	326	9,380'		Shaker	1	200)		
6 rpm						6	Agitator	5.375	3.0	000	29'	9,380'	Shaker	2	200)		
3 rpm				4		5	Drill Pipe	4.500	3.8	326	2,378'	9,409'	Shaker	3	200)		
Plastic Viscosi	ity (cp)		@ 150 °F	12		10	Dir. BHA	5.250	2.5	500	333'	11,787	•					
Yield Point (lb/	/100 ft²)		T0 = 2	10		10		CASIN	G & I	HOLE	DATA							
Gel Strength (lb/100 ft²)	10 se	ec / 10 min	6/11		5/10	Casing	OD (in.)	ID ((in.)	Depth	Тор	Centrifug	ge 1	NO	V		
Gel Strength (lb/100 ft2)	30 min	14		12	Riser						VOLUM	IE AC	COUN	TING	(bbls	;)
HTHP Filtrate	(cm/30 m	in)	@ 250 °F	7.0		6.4	Surface	10 3/4			2,906'		Prev. T	otal o	n Loca	tion	320	05.7
HTHP Cake TI	hickness	(32nds)		2.0		2.0	Int. Csg.	7 5/8	6.8	375	10,148'		Transfe	rred Ir	า(+)/Oเ	ut(-)		
Retort Solids (Content			11%		11%								Oil	Added	(+)		
Corrected Soli	ids (vol%))		8.8%		8.8%							1	Barite	Added	(+)		
Retort Oil Con	tent			67%		67%	Oper	Hole Size	6.8	318	12,120'		Other Pr	oduct	Usage	(+)		
Retort Water 0	Content			22%		22%	AN	NULAR GE	ОМЕ	TRY 8	& RHEOLO	GY	\	Nater	Added	(+)		
O/W Ratio				75:25		75:25	annula	ır dej	oth	velo	ocity flow	ECD	Le	ft on C	Cuttings	s (-)		
Whole Mud Ch	hlorides (r	mg/L)		54,000		55,000	section	n de,	pui	ft/n	nin reg	lb/gal	Ev	/ap & (Centrif	uge		
Water Phase \$	Salinity (p	pm)		277,923		281,620		•	•	=	•		Non-Rec	overal	ole Vol	. (-)		
Whole Mud Al	kalinity, P	om		2.0		2.0	6.875x4	1.5 9,3	80'	349	9.9 turb	10.20	Est. T	otal o	n Loca	tion	320	05.7
Excess Lime (lb/bbl)			2.6 ppb		2.6 ppb	6.875x5.	375 9,4	09'	514	4.4 turb	10.47	Est. Los	ses/Ga	ains (-)	/(+)	4	43.7
Electrical Stab	ility (volts	s)		485 v		445 v	6.875x4	4.5 10, ²	148'	349	9.9 turb	10.69	ВІТ	HYDR	AULIC	S DA	ГΑ	
Average Spec	ific Gravit	y of Solids	3	2.55		2.40	6.818x4	1.5 11,7	787'	360	0.3 turb	10.99	Bit H.S.I.	Bit	ΔΡΙ	Nozzles	s (32n	nds)
Percent Low G	Gravity So	lids		7.8%		8.6%	6.818x5	.25 12,1	120'	499	9.5 turb	11.33	0.35	56	psi	18	18	18
ppb Low Gravi	ity Solids			64 ppb		70 ppb							Bit Impact	Noz Velo		18	18	18
Percent Barite	1			1%		0.2%							Force	(ft/s	-			
ppb Barite				14 ppb		4 ppb	BIT [DATA	Mai	nuf./T	ype G	TD64M	151 lbs	8	3			
Estimated Total	al LCM in	System					Size	Depth In	Но	urs	Footage	ROP ft/h	nr Motor/M	WD	Calc.	Circ. F	ressi	ure
Sample Taken	Ву			A. ROMAN		M Washburn	6 3/4	10,920 ft				#DIV/0!	. 2,240 p	osi	3	3,920	psi	
Afternoon Rema	arks/Reco	mmendatio	ns:				Afternoon F	Rig Activity:					-					

Pump 10 bbl sweep every 300 ft. Sweep Contains: 10 ppb

CalCarb Medium, 10 ppb Newphalt and 10 ppb Magnafiber fine

Drilling 6-3/4" lateral hole section, land curve at 11297 MD, 86 deg INCL, 10588 TVD, Maintain mud wt at 9.0, adding diesel and water for OWR maintenance, Lime and primary emulsifier for ES and alkalinities, CaCl for WPS, OptiG and Newphalt for HTHP reduction and wellbore stability. Pump 10 bbls LCM sweep every 300', samples at 12120' were 100% Austin Chalk.

TEL: (337) 394-1078

96.1° 10,680' TVD

_	NOLIA	OIL & (GAS		TTERSO	ON		Block	N		16/21	24 hr f	2,472 ft		13,3	92 f	t
Well Name and No.	SABINE	D 4-H		Rig Name ar	nd No. 248		State TF	EXAS		Spud Date	16/21	Currer	nt ROP 112 ft/hr		ivity RLG L	ATE	RAL
Report for	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>		Report for			Field / OCS-G #			Fluid Type		Circula	ating Rate		culating Pre		
JIM HAR	RISON	JAME	S DYER	To	ol Pusi	ner	GID	DIGNS		О	ВМ		399 gpm	1	4,67) ps	3i
	MUD	PROPE	RTY SPECIF	ICATION	s		MUD VO	LUME (BI	BL)	PUI	MP #1		PUMP #2	F	RISER B	oos	TER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	73	5 bbl	Liner Size	4.7	Line	r Size 4.	75 Li	ner Size	4.	.75
8.8-9.8	5-20	4-15	>400	±280K	<10 <15	<10	In Hole	53	4 bbl	Stroke	12	Str	oke 1	2	Stroke	1	12
	I		· I	3/16/21		3/15/21	Active	126	69 bbl	bbl/stk	0.062	25 bb	l/stk 0.0	625	bbl/stk	0.0	625
Time Sample	Taken			3:00		13:00	Storage	231	12 bbl	stk/min	76	stk	:/min 7	76	stk/min		0
Sample Locati	on			suction		suction	Tot. on Loc	cation 358	31 bbl	gal/min	199	gal	l/min 1	99	gal/min		0
Flowline Temp	erature °l	=		145 °F		136 °F	F	PHHP = 10	87	C	CIRCULA	TION DA	ATA	n	= 0.608	K = 2	42.063
Depth (ft)				13,332'		12,110'	Bit C	epth = 13	,392 '		Washo	ut = 1%		Pump Ef	ficiency	= 95%	6
Mud Weight (p	ppg)			9.1		9.0	Drill String	Volum	e to Bit	187.6 bb	Stro	kes To Bit	3,003	Tin	ne To Bit	20	min
Funnel Vis (se	ec/qt)		@ 122 °F	47		44	Disp.	Bottoms l	Jp Vol.	346.4 bb	Botton	sUp Stks	5,545	Bottoms	Up Time	36	min
600 rpm				32		30	78.5 bbl	TotalC	irc.Vol.	1269.0 bb	ol Tota	ICirc.Stks	20,314	Total C	irc. Time	134	min
300 rpm				21		20		DRILLIN	IG ASS	SEMBLY D	ATA		s	OLIDS (CONTRO	DL	
200 rpm				16		16	Tubulars	OD (in.)	ID	(in.) Lo	ength	Тор	Unit	S	creens	Но	ours
100 rpm				11		12	Drill Pipe	4.500	3.	826 10	0,652'	0'	Shaker	1	200	24	4.0
6 rpm				7		6	Agitator	5.375	3.	000	29'	10,652'	Shaker	2	200	24	4.0
3 rpm				6		5	Drill Pipe	4.500	3.	826 2	,378'	10,681'	Shaker	. 3	200	24	4.0
Plastic Viscos	ity (cp)		@ 150 °F	11		10	Dir. BHA	5.250	2.	500	333'	13,059'					
Yield Point (lb.	/100 ft²)		T0 = 5	10		10		CASII	NG & I	HOLE DAT	Ά						
Gel Strength (lb/100 ft²)	10) sec/10 min	6/12		5/10	Casing	OD (in.)	ID	(in.)	epth	Тор	Centrifuç	ge 1	NOV	5	5.0
Gel Strength (lb/100 ft ²)		30 min	15		12	Riser						VOLUM	IE ACC	OUNTIN	G (bb	ls)
HTHP Filtrate	(cm/30 m	in)	@ 250 °F	6.0		6.4	Surface	10 3/4		2	,906'	0'	Prev. T	otal on l	_ocation	3	205.7
HTHP Cake T	hickness	(32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	875 10	0,148'	0'	Transfe	erred In(+	-)/Out(-)	:	334.0
Retort Solids (Content			11%		11%								Oil Ad	dded (+)		118.6
Corrected Soli	ds (vol%)			8.8%		8.8%								Barite Ad	dded (+)		0.0
Retort Oil Con	tent			68%		67%	Open	Hole Size	e 6.	818 13	3,392'		Other Pr	roduct Us	sage (+)		23.0
Retort Water (Content			21%		22%	ANI	NULAR G	EOME	TRY & RH	EOLOG	•	,	Water Ad	dded (+)		40.0
O/W Ratio				76:24		75:25	annular	. m	eas.	velocity	flow	ECD	Le	ft on Cut	tings (-)		-83.7
Whole Mud Cl	nlorides (r	ng/L)		53,000		55,000	section	de	epth	ft/min	reg	lb/gal	Ev	vap & Ce	entrifuge		-30.0
Water Phase	Salinity (p	pm)		283,542		281,620							Non-Red	coverable	e Vol. (-)		-26.7
Whole Mud Al	kalinity, P	om		3.5		2.0	6.875x4.	5 10	,148'	361.8	turb	10.06	Est. T	otal on l	_ocation	3	580.9
Excess Lime (lb/bbl)			4.6 ppb		2.6 ppb	6.818x4.	5 10	,652'	372.6	turb	10.16	Est. Los	ses/Gair	ıs (-)/(+)		0.0
Electrical Stab	ility (volts)		585 v		445 v	6.818x5.3	75 10	,681'	555.5	turb	10.26	BIT	HYDRA	JLICS E	ATA	
Average Spec	ific Gravit	y of Solid	ls	2.57		2.40	6.818x4.	5 13	,059'	372.6	turb	10.53	Bit H.S.I.	Bit ∆F	Nozz	les (3	2nds)
Percent Low C	Gravity So	lids		7.7%		8.6%	6.818x5.2	25 13	,392'	516.5	turb	10.71	0.39	60 ps	i 18	18	18
ppb Low Grav	ity Solids			63 ppb		70 ppb							Bit Impact	Nozzle Velocit		18	18
Percent Barite				1.1%		0.2%			•				Force	(ft/sec	-		
ppb Barite				16 ppb		4 ppb	BIT D	ATA	Ma	anuf./Type	GT	D64M	161 lbs	86			
Estimated Tot	al LCM in	System	ppb				Size	Depth In	Н	ours Fo	ootage	ROP ft/hr	Motor/M	WD C	alc. Circ	. Pres	ssure
Sample Taker	в Ву			A. ROMAN	0	M Washburn	6 3/4	10,920 ft	2	2.0 2,	472 ft	112.4	2,240	psi	4,14	5 psi	
Remarks/Reco	mmondati	0001					Ria Activity:										

OBM RECEIVED: 2417 bbls / OBM RETURNED: 0

OBM LOSSES: (- bbls DAY) / (-377bbls Cumulative)

OBM on surface: 2312bbls (Storage) / 735bbls (Active pits)

Rig Activity:

Over the past 24 hours: Resume Drilling operations, Landed curve @11297'MD /10588' TVD / 86deg. Continue drilling in lateral section, start on LCM Sweeps as planed, 10bbls/300' drilled. Mud Weight maintained at 9ppg, additions of Diesel and water for dilution, and Run Centrifuge 1hr every 3hrs to assist with solids removal. Chemical additions to Increase Rheology and to maintain properties. At 13150' cuttings showed 30%Chalk / 70%Shale. While sliding continues, @13200' (20:80%), 13300' (50:50%). Pending samples from last connection. Will treat and dilute accordingly as drilling continues. At the time of the report: Drilling ahead on lateral section, Bit passing 13,390' / 96deg / 395gpm.

SWEEP: 10ppb (2-MagmafiberF / 4-CalCarb M / 4-Newphalt)

	ng. 1: none:		ke W 61-94				5		o Roman 321-9994	WH 1: Phone:	MIDLAND 432-686-7361	WH 2: Phone:	WH #2 -	Rig Phone:	Daily Total	Cumulative Cost
W 1	P 1	Y 1	E 1	C 1	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 representati	nas been prepared on is made as to the	\$11,225.25	\$76,515.65
												INCLUDI	NG 3RD PAR	TY CHARGES	\$22,200.29	\$132,613.69

MATERIAL CONSUMPTION

Date 03/16/21	Operator MAG I	NOLIA OIL		Well Name a	ind No. ABINE D 4-	Н	Rig Name an		ort #11
	l .	USAGE 8		<u> </u>					LATIVE
Item	Unit	Unit Cost	Previous	Received	Closing	Daily	Daily Cost	Cum	Cum Cos
			Inventory		Inventory	Usage	, , , , , , ,	Usage	
SAPP (50) PHPA LIQUID (pail)	50# sk	\$44.56 \$41.36	10 60		10 60			30	
EVO-LUBE	5 gal gal	\$14.00			00				. φοζ./2
NEW GEL (PREMIUM)	100# sk	\$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	\$162.83	19		19				
DYNA DET	5 gal	\$32.23	34		14	20	\$644.60	20	\$644.60
CACL2 (50)	50# sk	\$14.32	196		168	28	\$400.96	140	- '
LIME (50)	50# sk	\$5.00	295		220	75	\$375.00	185	· ·
OPTI - G	50# sk	\$30.59	140		80	60	- ' '	145	
BENTONE 38 (50)	50# sk	\$163.94	46		38	8	\$1,311.52	20	\$3,278.80
BENTONE 910 (50)	50# sk	\$59.40	50		50	0	ФССО 7 О	46	¢4 002 00
BENTONE 990 (50) OPTI - MUL	50# sk	\$83.59	28 330		20	8	\$668.72		\$1,003.08
	gal	\$10.75			275	55	\$591.25 \$1.251.00		\$1,182.50
OPTI - WET NEW PHALT	gal 50# sk	\$8.34 \$38.72	495 140		345 100	150 40		315	
OIL SORB (25)	25# sk	\$4.75	140		100	40	\$1,546.60	140	\$5,420.00
NEW CARB ULTIMIX	50# sk	\$6.35	110		90	20	\$127.00	56	\$355.60
NEW CARB (M)	50# sk	\$6.35 \$5.25	110		90	20	φ1∠1.00	56	, φაυο.υί
CYBERSEAL	50# SK	φυ.∠5							
MAGMAFIBER F (25)	25# sk	\$28.05	128		108	20	\$561.00	70	\$1,963.50
MAGMAFIBER R (30)	30# sk	\$28.05	120		100	20	ψ301.00		ψ1,505.50
WARISEAL	50# sk	\$26.50	20		20				\$106.00
FIBER PLUG	30# sk	\$30.37	20		20				ψ100.00
NUT PLUG M (50)	50# sk	\$12.04	40		40			20	\$240.80
NOT 1 LOO IVI (30)	OU# SK	φ1∠.04	40		40			20	φ240.80
NEW WATE (SACK BARITE)	100# sk	\$11.50	180		180				
BARITE BULK (100)	100# sk	\$7.00	850		850			636	\$4,452.00
2,11112 2021 (100)	100 0.1	ψσσ	000		000				ψ., ισ2.σσ
OPTI DRILL (OBM)	bbl	\$65.00	2773	334	3107			377	\$24,505.00
DISCOUNTED OBM	bbl	\$10.00	79		79				
MAGNOLIA OBM (LGS)	bbl		354		354				
MAGNOLIA OBM EXCESS	bbl		354	41	41			12	!
ENGINEERING (24 HR)	each	\$925.00				2	\$1,850.00	20	\$18,500.00
ENGINEERING (DIEM)	bbl	\$30.00				2	\$60.00	20	\$600.00
ENGINEERING (MILES)	each	\$1.00						1889	\$1,889.00
	<u></u> _ <u> </u> _							I	
	each	\$2.65							
TRUCKING (min)	each	\$650.00						1	
TRUCKING (cwt) TRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)								13	\$156.00

THIRD PARTY COST SHEET

Date	Operator			Well Name a	ind No.		Rig Name an	nd No.	Report No.	
03/16/21	MAGI	NOLIA OIL	& GAS	S	ABINE D 4	-Н	2	48	Repo	rt #11
	DAILY	USAGE 8	& COST						CUMUL	_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	100		100			-		
TURBO CHEM / SYNSEAL	25# sk	\$85.00	100		100			-		
								-		
DIESEL DELIVERY 1-14-21	gal	\$1.74							7000	\$12,180.00
DIESEL DELIVERY 1-15-21	gal	\$1.79							7000	\$12,530.00
DIESEL DELIVERY 1-19-21	gal	\$1.74							8160	\$14,198.40
DIESEL TRANSFER F/C 3H	gal	\$2.30	3800			3800	\$8,740.00	_		\$14,954.60
DIESEL TRANSFER F/C 3H	gal	\$2.29	7200		6224	976	\$2,235.04		976	\$2,235.04
DIESEL TRANSFER F/C 3H	gal	\$2.37	1800		1800					
								_		
								-		
								-		
								-		
								-		
								-		
								-		
								-		
								-		
								-		
								_		
								_		
								-		
								-		
								-		
					Daily Su	ıb-Total \$1	0,975.04		\$56,0	98.04
								. L		
	Cumi	Ilative Tota	AES & 3rd	Party \$132	2,613.69					
	Gaine				,,,,,,,,,					

FLUID VOLUME ACCOUNTING Operator: MAG Rig Name: 248

MAGNOLIA OIL & GAS

Rig Name: Well Name:

SABINE D 4-H

					WEEK 1							WEEK 2							WEEK 3			
	Date	3/8/21	3/9/21	3/10/21	3/11/21	3/12/21	3/13/21	3/14/21	3/15/21	3/16/21	3/17/21	3/18/21	3/19/21	3/20/21	3/21/21	3/22/21	3/23/21	3/24/21	3/25/21	3/26/21	3/27/21	3/28/21
		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	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4												
Grand	Starting Depth	2,916	2,916	7,250	9,924	10,171	10,171	10,171	10,920	10,920	13,392											
Totals	Ending Depth	2,916	7,250	9,924	10,171	10,171	10,171	10,920	10,920	13,392												
	Footage Drilled	_,010	4,334	2,674	247	-	-	749	-	2,472	-	-	_	_	_	-	_	-		-	_	_
,	New Hole Vol.		411	253	23	-	<u> </u>	33	<u> </u>	109	-	_		_	-		<u> </u>	-	-	_		_
030	Starting System Volume	2,480	2,963	3,348	3,703	3,610	466	2,562	1	3,206	3,581		2 504		3,581		3,581	3,581				3,581
74	Chemical Additions				3,703	3,010	400	13	3,218	23	3,361	3,581	3,581	3,581	3,361	3,581	3,361	3,361	3,581	3,581	3,581	3,361
	Base Fluid Added	- 6	241	8 176	107	· ·	38	26		119												
	Barite Increase	-	241	34	107		-	10		-												
	Weighted Mud Added	477	481	476			2,083	657	-	334												
4,506	Slurry Added	-	401	476			2,003	- 007	-	- 334												
		-	150	-		20	-		-	40												
	Water Added			50		20		-														
	Added for Washout	-	-	-			-	-	-	-												
	Total Additions	483	890	743	109	26	2,121	707	-	516	-	-	-	-	-	-	-	-	-	-	-	-
216	Surface Losses	-	99	75	14	16	-	-	12													
174	Formation Loss	-	-	-	123	51	-	-	-													
802	Mud Loss to Cuttings	-	406	264	24		-	25	-	84												
88	Unrecoverable Volume	-	-	-	40	22	-	-	-	27												
130	Centrifuge Losses	-	-	50			25	25	-	30												
1,410	Total Losses	-	505	388	201	89	25	51	12	140	-	-	-	-	-	-	-	-	-	-	-	-
3.082	Mud Transferred Out					3,082																
3,581	Ending System Volume	2,963	3,348	3,703	3,610	466	2,562	3,218	3,206	3,581	3,581	3,581	3,581	3,581	3,581	3,581	3,581	3,581	3,581	3,581	3,581	3,581
	Mud Recovered			1		l l	1			-	1			<u> </u>			1			-	1	
	maa recovered		I.			<u>I</u>								<u>I</u>							l	<u>I</u>
					omment							omment	s:					C	omment	s:		
	_	3/8/21	CaCl2 and	and test BC Lime. Op OV screens	ti Wet and				3/15/21	Repairs co	ompleted.	POOH and	change ou	t BHA. Sta	rt TIH,	3/22/21						
3,906		3/9/21		ermeditate Aggressive					3/16/21	At 13100'	shale comi	ng up on cu	uttings. (Ea	with latera gleford) sta on cuttings	rt sliding	3/23/21						
	shakers. Aggressive additions of Diesel-Water and chemicals. 3/10/21 Shakers. Aggressive additions of Diesel-Water and chemicals. 3/10/21 Shakers. Aggressive additions of Diesel-Water and chemicals. 3/10/21 At 13100 shake conting up throutings. (Lagrendry) shat updip away from formation. @13300 50:50 on cuttings. 3/10/21 Sync. POOH to change out same.									3/24/21												
		3/11/21	Drilled to i	nterval TD	at 10,171'N	MD, (KOP a	at 9,924'MD)	3/18/21							3/25/21						
		3/12/21		e intermed 466bbls 9.0			eturns. Ski	d Vol.	3/19/21							3/26/21						
		3/13/21	Modify date from C 3-b up BHA ar						3/20/21							3/27/21						
		3/14/21	Drill out sh to 10920'.	noe track. F					3/21/21							3/28/21						

OUTSOURCE FLUID SOLUTIONS LLC.

Report 11 pm

TEL: (337) 394-1078

88.6° 10,686' TVD

Operator				Contractor			County / Parisl	h / Block		Engineer S	Start Date	24 h	ftg.		Drilled D	epth		
	NOLIA (3 AIC	GAS		TERSC	N		HINGTO	ON	_	1/16/21					3,86	7 ft	:
Well Name and No	ABINE	D 4-H	ı	Rig Name ar	nd No. 248		State T	EXAS		Spud Date	1/16/21	Curre	ent ROP 24 ft/hr		Activity DRL	G I A	TFF	RΔI
Report for	ADINE	U 4-1		Report for	240		Field / OSC-G			Fluid Type		Circu	lating Rate		Circulati			
JIM HARI	RISON/	JAME	S DYER	То	ol Push	ner	GIE	DIGNS	;		OBM		399 gpm	1	4	,060	ps	i
	MUD	PROPE	RTY SPECI	FICATION	IS		MUD VO	DLUME (E	BL)	Р	UMP #1		PUMP #2		RISE	R BC	OST	ΓER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	; 73	5 bbl	Liner Si	ze 4.	75 Lin	er Size 4.	75	Liner	Size	4.7	75
8.8-9.8	5-20	4-15	>400	±280K	<10 <15	<10	In Hole	e 55	3 bbl	Stroke	• 1	2 S	troke 1	2	Stro	ke	1:	2
	М	UD PR	OPERTIES				Active	128	88 bbl	bbl/stl	k 0.00	625 b	bl/stk 0.0	625	bbl/s	stk	0.06	625
Time Sample	Taken			3:00		13:00	Storage	e <u>23</u>	12 bbl	stk/mi	n 7	6 st	k/min 7	76	stk/n	nin		
Sample Locat	ion			suction		shaker	Tot. on Loc	cation 360	00 bbl	gal/mi	n 19	99 ga	al/min 1	99	gal/r	nin		
Flowline Temp	oerature °	F		145 °F		122 °F	Mud Wt. =	= 9.1 P	V=11	YP=1	0 CIF	RCULATI	ON DATA		n = 0.	608 I	K = 2	242.1
Depth (ft)				13,332'		13,867'	Bit D	Depth = 13	3,867 '		Wash	out = 1%		Pump	Efficie	ncy =	95%	, D
Mud Weight (ppg)			9.1		9.1	Drill String	Volum	e to Bit	194.3 k	obl Str	okes To B	it 3,111	-	Time T	o Bit	20 r	min
Funnel Vis (se	ec/qt)		@ 95 °F	47		47	Disp.	Bottoms I	Up Vol.	358.5 k	obl Botto	msUp Stk	s 5,739	Bottor	nsUp ⁻	Γime	38 ו	min
600 rpm				32		37	81.1 bbl	TotalC	irc.Vol.	1287.8	bbl To	talCirc.Stk	s 20,616	Total	Circ.	Γime	136	min
300 rpm				21		24		DRILLIN	IG AS	SEMBLY	/ DATA		S	OLIDS	S CON	ITROL	-	
200 rpm				16		17	Tubulars	OD (in.)	ID	(in.)	Length	Тор	Unit		Scre	ens	Ho	urs
100 rpm				11		12	Drill Pipe	4.500	3.8	826	11,127'		Shakei	r 1	20	0		
6 rpm				7		7	Agitator	5.375	3.0	000	29'	11,127'	Shakei	r 2	20	0		
3 rpm				6		6	Drill Pipe	4.500	3.8	826	2,378'	11,156'	Shakei	r 3	20	0		
Plastic Viscos	sity (cp)		@ 150 °F	11		13	Dir. BHA	5.250	2.	500	333'	13,534'						
Yield Point (lb	/100 ft²)		T0 = 5	10		11		CASI	NG &	HOLE D	ATA							
Gel Strength ((lb/100 ft ²)) 1	0 sec / 10 min	6/12		6/11	Casing	OD (in.)	ID	(in.)	Depth	Тор	Centrifuç	ge 1	NO	V		
Gel Strength ((lb/100 ft2	2)	30 min	15		13	Riser						VOLUN	IE AC	COUN	ITING	(bbl	is)
HTHP Filtrate	(cm/30 m	nin)	@ 250 °F	6.0		5.0	Surface	10 3/4			2,906'		Prev. T	otal o	n Loca	ition	35	581.0
HTHP Cake T	hickness	(32nds)	2.0		2.0	Int. Csg.	7 5/8	6.8	875 ·	10,148'		Transfe	erred In	n(+)/O	ut(-)		
Retort Solids	Content			11%		11%								Oil	Added	d (+)		
Corrected Sol	ids (vol%)		8.8%		8.7%								Barite	Added	d (+)		
Retort Oil Cor	ntent			68%		67%	Open	Hole Size	e 6.8	818	13,867'		Other Pr	oduct	Usage	+)		
Retort Water	Content			21%		22%	AN	NULAR G	EOME	TRY & I	RHEOLO	GY	,	Water	Added	d (+)		
O/W Ratio				76:24		75:25	annula	ar .		veloci	ty flow	ECD	Le	ft on C	Cutting	s (-)		
Whole Mud C	hlorides (mg/L)		53,000		58,000	section	l u	epth	ft/mir	-	lb/gal	Ev	/ap &	Centri	fuge		
Water Phase	Salinity (p	opm)		283,542		292,488				•			Non-Red	overa	ble Vo	l. (-)		
Whole Mud A	lkalinity, F	Pom		3.5		3.1	6.875x4	1.5 10),148'	361.8	3 turb	9.99	Est. T	otal o	n Loca	ition	35	581.0
Excess Lime	(lb/bbl)			4.6 ppb		4 ppb	6.818x4	l.5 11	,127'	372.6	turb	10.05	Est. Los	ses/Ga	ains (-)/(+)		18.9
Electrical Stat	oility (volts	s)		585 v		445 v	6.818x5.	375 11	,156'	555.5	5 turb	10.07	ВІТ	HYDR	AULI	CS DA	ΛTΑ	
Average Spec	cific Gravi	ty of Sc	lids	2.57		2.52	6.818x4	1.5 13	3,534'	372.6	6 turb	10.29	Bit H.S.I.	Bit	ΔΡ	Nozzle	es (32	2nds)
Percent Low 0	Gravity So	olids		7.7%		7.8%	6.818x5	.25 13	3,867'	516.5	5 turb	10.39	0.39	60	psi	18	18	18
ppb Low Grav	rity Solids			63 ppb		64 ppb							Bit Impact	Noz		18	18	18
Percent Barite	9			1.1%		0.9%							Force	Velo (ft/s	-			
ppb Barite				16 ppb		12 ppb	BIT D	DATA	Ма	ınuf./Typ	e G	TD64M	161 lbs	8	6			
Estimated Tot	al LCM ir	Syster	n				Size	Depth In	Нс	ours F	ootage	ROP ft/h	r Motor/M	WD	Calc.	Circ.	Pres	sure
Sample Taker	n By			A. ROMAN		M Washburn	6 3/4	10,920 f	t 22	2.0 2	2,472 ft	112.4	2,240	psi		4,205	psi	
Afternoon Rem	arks/Reco	mmend:	ations:				Afternoon R	Pia Activity:	-!				-1					

Pump 10 bbl sweep every 300 ft. Sweep Contains: 10 ppb

CalCarb Medium, 10 ppb Newphalt and 10 ppb Magnafiber fine

Drilling 6-3/4" lateral hole section, samples at 13150 showed 30% AC / 70% SHALE, at 13460 samples were 100% AC, at 13760 samples contained 70% AC / 30% ASH. Maintain mud wt at 9.0# - 9.1# in response to wellbore exposure to Eagleford Shale and Volcanic Ash reduce HTHP to <5 with additions of OPTIG, gilsonite and elevate WPS to 290,000 with CaCl salt. Pumping 15 bbls LCM sweep every 300' or as needed. Running mud chiller system MWD Temperature 275 degrees F. .

92.4° 10,742' TVD

Operator MAGN Well Name and No.	NOLIA (OIL &	GAS	PA1 Rig Name ar	TTERSO	ON	County / Parish / WASH	Block	N	Engineer Control Spud Date)1/16		24 hr ftg	1,456 ft		Drilled D	epth 4,8 4	18 ft	t
	ABINE	D 4-H	1	Rig Name ar	248			EXAS			•)1/16	6/21	Current	66 ft/hr		DRL	G LA	ΛΤΕΙ	RAL
Report for			-	Report for			Field / OCS-G #			Fluid Type			Circulat	ting Rate		Circulatir	_		
JIM HARI	RISON/	JAME	S DYER	To	ol Push	ner	GID	DIGNS			ОВ	М	;	399 gpm	1	5,	320	ps	și
	MUD	PROPE	ERTY SPECIF	ICATION	s		MUD VO	LUME (BE	BL)	ı	PUMI	P #1		PUMP #2		RISE	R BC	oos	ΓER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	67	4 bbl	Liner	Size	4.75	Liner	Size 4.	75	Liner S	Size	4.	.75
8.8-9.8	5-20	4-15	>400	±290K	<10 <15	<10	In Hole	592	2 bbl	Strok	ke	12	Stro	oke 1	2	Strok	е	1	12
		•		3/17/21		3/16/21	Active	126	6 bbl	bbl/s	stk	0.0625	bbl/	/stk 0.0	625	bbl/s	tk	0.0	625
Time Sample	Taken			3:00		13:00	Storage	231	2 bbl	stk/m	nin	76	stk/	min 7	' 6	stk/m	nin	(0
Sample Location	on			suction		shaker	Tot. on Loc	cation 357	'8 bbl	gal/n	nin	199	gal/	min 1	99	gal/m	nin	(0
Flowline Temp	erature °F	=		125 °F		122 °F	F	PHHP = 123	38	•	CII	RCULATIO	N DA	TA	•	n = 0.	632	K = 19	97.766
Depth (ft)				14,806'		13,867'	Bit D	Depth = 14,	848 '		١	Washout =	1%		Pump	Efficie	ncy =	95%	6
Mud Weight (p	pg)			9.1		9.1	Drill String	Volume	to Bit	208.3	bbl	Strokes	To Bit	3,334	-	Time To	o Bit	22	min
Funnel Vis (se	c/qt)		@ 80 °F	48		47	Disp.	Bottoms L	Jp Vol.	383.5	bbl	BottomsU	p Stks	6,139	Bottor	nsUp T	ime	40	min
600 rpm				31		37	86.4 bbl	TotalCi	rc.Vol.	1265.8	3 bbl	TotalCir	c.Stks	20,263	Total	l Circ. T	ime	133	min
300 rpm				20		24		DRILLIN	G ASS	SEMBL'	Y DA	TA		s	OLIDS	CON	TRO	L	
200 rpm				15		17	Tubulars	OD (in.)	ID	(in.)	Len	igth T	ор	Unit		Scree	ens	Но	ours
100 rpm				10		12	Drill Pipe	4.500	3.	.826	12,1	108'	0'	Shaker	1	200)	24	4.0
6 rpm				6		7	Agitator	5.375	3.	.000	2	9' 12	108'	Shaker	2	200)	24	4.0
3 rpm				5		6	Drill Pipe	4.500	3.	.826	2,3	78' 12	137'	Shaker	3	200)	24	4.0
Plastic Viscosi	ty (cp)		@ 150 °F	11		13	Dir. BHA	5.250	2.	.500	33	33' 14	515'						
Yield Point (lb/	'100 ft²)		T0 = 4	9		11		CASI	NG & I	HOLE D	ATA								
Gel Strength (I	b/100 ft ²)	1	10 sec/10 min	6/12		6/11	Casing	OD (in.)	ID	(in.)	De	pth T	ор	Centrifuç	ge 1	NO'	V	4	.0
Gel Strength (I	b/100 ft ²)		30 min	14		13	Riser							VOLUM	IE AC	COUN	TING	(bb	ls)
HTHP Filtrate	(cm/30 mi	in)	@ 250 °F	4.5		5.0	Surface	10 3/4			2,9	06'	0'	Prev. T	otal o	n Loca	tion	35	581.0
HTHP Cake TI	hickness ((32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	.875	10,1	148'	0'	Transfe	erred Ir	า(+)/Oเ	ut(-)		0.0
Retort Solids C	Content			10.1%		11%									Oil	Added	l (+)		37.5
Corrected Solid	ds (vol%)			7.6%		8.7%									Barite	Added	l (+)		0.0
Retort Oil Cont	tent			67.7%		67%	Open	Hole Size	6.	.818	14,8	348'		Other Pr	oduct	Usage	(+)		30.2
Retort Water C	Content			22.2%		22%	ANI	NULAR GE	ОМЕ	TRY &	RHE	DLOGY		,	Water	Added	l (+)		0.0
O/W Ratio				75:25		75:25	annular	r me	eas.	veloc	city	flow E	CD	Le	ft on C	Cuttings	s (-)		-49.3
Whole Mud Ch	nlorides (n	ng/L)		60,000		58,000	section	d€	epth	ft/m	in	reg lb	/gal	Ev	/ap & (Centrif	uge		-21.5
Water Phase S	Salinity (pp	pm)		297,657		292,488								Non-Red	overal	ble Vol	. (-)		
Whole Mud All	kalinity, Po	om		3.8		3.1	6.875x4.	.5 10	,148'	361	.8	turb 10	0.07	Est. T	otal o	n Loca	tion_	35	577.8
Excess Lime (I	lb/bbl)			4.9 ppb		4 ppb	6.818x4.	.5 12	,108'	372	.6	turb 10).24	Est. Los	ses/Ga	ains (-)	/(+)		0.0
Electrical Stab	ility (volts))		595 v		445 v	6.818x5.3	375 12	,137'	555	.5	turb 10	0.30	BIT	HYDR	AULIC	S D	ATA	
Average Speci	ific Gravity	y of Soli	ids	2.78		2.52	6.818x4.	.5 14	,515'	372	.6	turb 10).55	Bit H.S.I.	Bit	ΔΡ	Nozzle	es (32	2nds)
Percent Low G	Gravity Sol	lids		5.8%		7.8%	6.818x5.2	25 14	,848'	516	.5	turb 10).69	0.39	60	psi	18	18	18
ppb Low Gravi	ty Solids			47 ppb		64 ppb								Bit Impact	Noz Velo		18	18	18
Percent Barite				1.9%		0.9%								Force	(ft/s	•			
ppb Barite				27 ppb		12 ppb	BIT D	ATA	Ma	anuf./Ty	ре	GTD6	4M	162 lbs	86	6			
Estimated Tota	al LCM in	System	n ppb				Size	Depth In	Н	ours	Foot	tage ROI	o ft/hr	Motor/M	WD	Calc.	Circ.	Pres	sure
	Ву			A. ROMAN	0	M Washburn	6 3/4	10,920 ft	4	4.0	3,92	28 ft 8	9.3	2,240	nsi	_	1,335	nsi	

Remarks/Recommendations:

OBM RECEIVED: 2417 bbls / OBM RETURNED: 0

OBM LOSSES: (- bbls DAY) / (-377bbls Cumulative)

OBM on surface: 2312bbls (Storage) / 735bbls (Active pits)

Rig Activity:

Over the past 24 hours: Continue drilling ahead on lateral section, Mud Weight maintained at 9.1ppg. As drilling away from EF, cross through Ash, Cuttings showing 30%Ash @13790'. 10%Ash @14100'. 100% AC @14200'. Adjust Chemical treatment to OBM as Formations change on wellbore. Maintain Diesel additions for dilution (NO WATER) , Run Centrifuge 1hr every 3hrs to assist with solids removal. At the time of the report: Drilling ahead on lateral section, Bit passing 14,842' / 92deg / 395gpm. Cuttings @14700'-100%AC.

SWEEP: 10ppb (2-MagmafiberF / 4-CalCarb M / 4-Newphalt)

	ng. 1: none:		ke W 61-94				5		Roman 321-9994	WH 1: Phone:	MIDLAND 432-686-7361	WH 2: Phone:	WH #2 -	Rig Phone:	Daily Total	Cumulative Cost
W 1	P 1	Y 1	E 1	C 1	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 representati	nas been prepared on is made as to the	\$12,236.87	\$88,752.52
												INCLUDI	NG 3RD PAR	TY CHARGES	\$15,429,13	\$148.042.82

MATERIAL CONSUMPTION

Date 03/17/21	Operator MAG I	NOLIA OIL		Well Name a	ind No. ABINE D 4-		Rig Name and 24		ort #12
	DAILY	USAGE 8	& COST						LATIVE
			Previous		Closing	Daily		Cum	
Item	Unit	Unit Cost	Inventory	Received	Inventory	Usage	Daily Cost	Usage	Cum Cost
SAPP (50)	50# sk	\$44.56	10		10			30	
PHPA LIQUID (pail)	5 gal	\$41.36	60		60				\$82.72
EVO-LUBE	gal	\$14.00	70		70				
NEW GEL (PREMIUM) ALUMINUM TRISTEARATE	100# sk 25# sk	\$19.75 \$162.83	70 19		70 19				
DYNA DET	5 gal	\$32.23	19		19	14	\$451.22	34	\$1,095.82
	o gui	ψ02.20					ψ101.EE		41,000.02
CACL2 (50)	50# sk	\$14.32	168		56	112	\$1,603.84	252	2 \$3,608.64
LIME (50)	50# sk	\$5.00	220		150	70	\$350.00	255	
OPTI - G	50# sk	\$30.59	80			80	\$2,447.20	225	\$6,882.75
BENTONE 38 (50)	50# sk	\$163.94	38		33	5	\$819.70	25	\$4,098.50
BENTONE 910 (50)	50# sk	\$59.40	50		50				
BENTONE 990 (50)	50# sk	\$83.59	20		16	4	\$334.36	16	\$1,337.44
OPTI - MUL	gal	\$10.75	275		220	55	\$591.25	168	\$1,773.75
OPTI - WET	gal	\$8.34	345		220	125		440	+
NEW PHALT	50# sk	\$38.72	100		60	40	\$1,548.80	180	\$6,969.60
OIL SORB (25)	25# sk	\$4.75							
NEW CARB ULTIMIX	50# sk	\$6.35	90		70	20	\$127.00	76	\$482.60
NEW CARB (M)	50# sk	\$5.25		20	20				
CYBERSEAL									
MAGMAFIBER F (25)	25# sk	\$28.05	108		88	20	\$561.00	90	\$2,524.50
MAGMAFIBER R (30)	30# sk	\$28.05							
VARISEAL	50# sk	\$26.50	20		20			4	\$106.00
FIBER PLUG	30# sk	\$30.37							
NUT PLUG M (50)	50# sk	\$12.04	40		40			20	\$240.80
NEW WATE (SACK BARITE)	100# sk	\$11.50			180				
BARITE BULK (100)	100# sk	\$7.00	850		850			636	\$4,452.00
		1						-	
		-						-	
OPTI DRILL (OBM)	bbl	\$65.00	3107		3107			27	' \$24,505.00
	וטט	ψυυ.υυ			3107			37	ψετ,υυσ.υι
DISCOUNTED OBM	bbl	\$10.00	79		79				
MAGNOLIA OBM (LGS)	bbl		354		354				
MAGNOLIA OBM EXCESS	bbl		41		41			12	2
ENGINEERING (24 HR)	each	\$925.00				ာ	\$1,850.00	2.	2 \$20,350.00
	bbl	\$30.00				2	\$60.00	22	1
	each	\$1.00				450	\$450.00	2339	
ENGINEERING (DIEM)		Ψ1.00				700	\$ 100.00	200	\$2,000.0C
ENGINEERING (DIEM)					l l				
ENGINEERING (DIEM) ENGINEERING (MILES)		#0.05							
ENGINEERING (DIEM) ENGINEERING (MILES) FRUCKING (cwt)	each	\$2.65							Φ 050.00
ENGINEERING (DIEM) ENGINEERING (MILES) FRUCKING (cwt) FRUCKING (min)	each each	\$650.00						41	· ·
ENGINEERING (DIEM) ENGINEERING (MILES) TRUCKING (cwt) TRUCKING (min) PALLETS (ea) SHRINK WRAP (ea)	each							1:	\$156.00

THIRD PARTY COST SHEET

Date	Operator			Well Name a	nd No.		Rig Name ar	id No.	Report No.	
03/17/21	MAGI	NOLIA OIL	& GAS	S	ABINE D 4	-Н	2	48	Repo	rt #12
	DAILY	USAGE 8	k COST						CUMUL	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	100		100					
TURBO CHEM / SYNSEAL	25# sk	\$85.00	100		100					
DIESEL DELIVERY 1-14-21	gal	\$1.74							7000	\$12,180.00
DIESEL DELIVERY 1-15-21	gal	\$1.79							7000	\$12,530.00
DIESEL DELIVERY 1-19-21	gal	\$1.74							8160	\$14,198.40
DIESEL TRANSFER F/C 3H	gal	\$2.30							6502	\$14,954.60
DIESEL TRANSFER F/C 3H	gal	\$2.29	6224		4830	1394	\$3,192.26	<u> </u>	2370	\$5,427.30
DIESEL TRANSFER F/C 3H	gal	\$2.37	1800		1800			<u> </u>		
DIESEL DELIVERY 3-16-21	gal	\$2.39		7200	7200					
								<u> </u>		
								<u> </u>		
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		<u> </u>			Daile C	ub Total A	102.22		¢50.0	00.20
					Daily S	ub-Total \$3	5,192.26		\$59,2	90.30
	-							_		
	Cumi	ılative Total	AES & 3rd	Party \$148	,042.82					

FLUID VOLUME ACCOUNTING

OUTSOURCE FLUID SOLUTIONS LLC.

Operator: N Rig Name: 2

MAGNOLIA OIL & GAS

Rig Name: 248
Well Name: SAB

SABINE D 4-H

					WEEK 1							WEEK 2							WEEK 3			
	Date	3/8/21	3/9/21	3/10/21	3/11/21	3/12/21	3/13/21	3/14/21	3/15/21	3/16/21	3/17/21	3/18/21	3/19/21	3/20/21	3/21/21	3/22/21	3/23/21	3/24/21	3/25/21	3/26/21	3/27/21	3/28/21
		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	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	-										
Grand	Starting Depth	2,916	2,916	7,250	9,924	10,171	10,171	10,171	10,920	10,920	13,392	14,848										
Totals	Ending Depth	2,916	7,250	9,924	10,171	10,171	10,171	10,920	10,920	13,392	14,848											
	Footage Drilled		4,334	2,674	247	-	-	749	-	2,472	1,456	_	_	_	_	-	_	_	_	_	_	-
		 	4,334	253	23	-	-	33	-	-	64	-	-	-								-
694	New Hole Vol.	<u> </u>								109												
	Starting System Volume	2,480	2,963	3,348	3,703	3,610	466	2,562	3,218	3,206	3,581	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578
	Chemical Additions	6	17	8	2	6	-	13	-	23	30											1
	Base Fluid Added	-	241	176 34	107		38	26 10	-	119	38											
	Barite Increase Weighted Mud Added	- 477	- 481	476			2,083	657	-	334	-											
,	Slurry Added	- 4//	481	4/6			2,083	- 657	-	334	-											1
-		-	150	-		20	-	-	-	40	-											
260	Water Added Added for Washout	<u> </u>	150	50 -		20	-	-		-	-											
		!							-													
	Total Additions	483	890	743	109	26	2,121	707	-	516	68	-	-	-	-	-	-	-	-	-	-	-
	Surface Losses	-	99	75	14	16	-	-	12	-	-											
	Formation Loss	-	-	-	123	51	-	-	-	-												
	Mud Loss to Cuttings	-	406	264	24		-	25	-	84	49											
	Unrecoverable Volume	-	-	-	40	22	-	-	-	27												
152	Centrifuge Losses	-	-	50			25	25	-	30	22											
1,481	Total Losses	-	505	388	201	89	25	51	12	140	71	-	-	-	-	-	-	-	-	-	-	-
3,082	Mud Transferred Out					3,082																
3,578	Ending System Volume	2,963	3,348	3,703	3,610	466	2,562	3,218	3,206	3,581	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578	3,578
	Mud Recovered																					
					omment	c.						omment	c.						omment	c ·		
												Omment	s.						Omment	s.		
		3/8/21	CaCl2 and	and test BC I Lime. Opt DV screens	i Wet and				3/15/21	Repairs co	mpleted.	POOH and	change ou	t BHA. Sta	rt TIH,	3/22/21						
3,906		3/9/21		ermeditate Aggressive					3/16/21	At 13100's	shale comi	ng up on cu	uttings. (Ea	with latera gleford) sta	rt sliding	3/23/21						
]		SHAROIS. 7	- tggrcssive	additions	or Dieser VV	ator and or	icinicais.		updip awa	y from form	nation. @13	3300 50:50	on cuttings	i.							
		3/10/21		ead on Inte OH to chanç			24' MWD f	ail to				ral section. the time of		operties as 9% AC	drilled	3/24/21						
		3/11/21	Drilled to i	nterval TD :	at 10,171'N	ИD, (KOP а	t 9,924'MD	1	3/18/21							3/25/21						
		3/12/21	Cement th 3077bbls/	e intermedi 466bbls 9.0			eturns. Ski	d Vol.	3/19/21							3/26/21						
		3/13/21	Modify dat from C 3-H up BHA ar						3/20/21							3/27/21						
		3/14/21		noe track. F MWD fail,					3/21/21							3/28/21						

89.0° 10,752' TVD

MAGNOLIA OIL & GAS PATTERSON WASHINGTON 01/16/21 6 ft 14,574 ft Name and No 01/16/21 SABINE D 4-H ST01 248 **TEXAS** 1 ft/hr **Time Drill** Field / OCS-G # luid Type irculating Rate ulating Pressure JIM HARRISON/JAMES DYER **Tool Pusher GIDDIGNS OBM** 4.019 psi 399 apm MUD PROPERTY SPECIFICATIONS PUMP #1 PUMP #2 RISER BOOSTER MUD VOLUME (BBL) Weight CaCl2 **GELS** HTHP In Pits 697 bbl Liner Size 4.75 Liner Size 4.75 Liner Size 4.75 8.8-9.8 5-20 4-15 >400 ±290K <10 <15 <10 In Hole 581 bbl Stroke 12 Stroke 12 Stroke 12 3/18/21 3/17/21 3/17/21 1278 bbl bbl/stk 0.0625 bbl/stk 0.0625 bbl/stk 0.0625 76 76 0 Time Sample Taken 2:00 18:30 12:00 2312 bbl stk/min stk/min stk/min gal/min gal/min Sample Location suction suction shaker Tot. on Location 3590 bbl gal/min 199 199 0 n = 0.637 K = 172.351 127 °F Flowline Temperature °F 107 °F PHHP = 935 **CIRCULATION DATA** Depth (ft) 14.571 14 568 15.209 Bit Depth = 14,574 ' Washout = 1% Pump Efficiency = 95% Mud Weight (ppg) 8.9 9.1 9.0 Volume to Bit 204.4 bbl Strokes To Bit 3 272 Time To Bit 22 min **Drill String** Disp. Funnel Vis (sec/qt) @ 85 °F 52 58 52 Bottoms Up Vol. 376.5 bbl BottomsUp Stks 6.028 BottomsUp Time 40 min 37 600 rpm 28 35 84.9 bbl TotalCirc Vol. 1277.9 bbl TotalCirc Stks 20.457 Total Circ Time 135 min 18 23 **DRILLING ASSEMBLY DATA SOLIDS CONTROL** 300 rpm 22 15 17 17 OD (in.) Screens 200 rpm **Tubulars** ID (in.) Length Top Unit Hours 11 13 12 Drill Pipe 0' Shaker 1 200 24.0 100 rpm 4.500 3.826 11,834 5 6 5.375 29 11,834 Shaker 2 200 Agitator 3.000 24.0 6 rpm 4 5 6 Drill Pipe 4.500 3.826 2.378 11,863 Shaker 3 200 24.0 3 rpm 10 14 13 Dir. BHA 5.250 14.241 Plastic Viscosity (cp) Yield Point (lb/100 ft²) T0 = 8 9 9 **CASING & HOLE DATA** 6/10 6/11 OD (in.) ID (in.) 7.0 Gel Strength (lb/100 ft2) 10 sec/10 min 5/9 Casing Depth Top Centrifuge 1 NOV 30 min 12 13 14 Riser **VOLUME ACCOUNTING (bbls)** Gel Strength (lb/100 ft2) @ 300 °F 4.0 4.0 40 Surface 10 3/4 2.906 0' 3577.8 HTHP Filtrate (cm/30 min) Prev. Total on Location 2.0 Int. Csg. HTHP Cake Thickness (32nds) 2.0 2.0 7 5/8 6.875 10,148 Transferred In(+)/Out(-) 0' Retort Solids Content 9.5% 10.6% 9.5% Oil Added (+) 76.0 Corrected Solids (vol%) 7.2% 8.4% 7.1% Barite Added (+) 0.0 Retort Oil Content 68.5% 67.2% 68.5% Open Hole Size 6.818 14.574 Other Product Usage (+) 6.5 **ANNULAR GEOMETRY & RHEOLOGY** 22.2% Retort Water Content 22% 22% Water Added (+) 75:25 O/W Ratio 76:24 76:24 Left on Cuttings (-) -0.3 annular meas velocity flow ECD section depth ft/min reg lb/gal 57.000 56.000 59.000 Whole Mud Chlorides (ma/L) Evap & Centrifuge -34.0 288,902 283,438 296,038 Non-Recoverable Vol. (-) -36.0 Water Phase Salinity (ppm) Whole Mud Alkalinity, Pom 2.9 3.0 6.875x4.5 10.148 361.8 9.74 3589.9 turb Est. Total on Location 3.8 ppb 3.4 ppb 3.9 ppb 6.818x4.5 11,834 372.6 turb 9.83 Est. Losses/Gains (-)/(+) 0.0 Excess Lime (lb/bbl) 486 v 6.818x5.375 **BIT HYDRAULICS DATA** Electrical Stability (volts) 491 v 512 v 11,863 555.5 turb 9.84 2.55 2.61 6.818x4.5 14,241' 372.6 10.03 Bit H.S.I. Average Specific Gravity of Solids 2.70 turb Βίτ ΔΡ Nozzles (32nds) 6.3% 7.1% 5.7% 6.818x5.25 516.5 Percent Low Gravity Solids 14,574 turb 10.10 0.38 59 psi 18 18 18 Nozzle 18 18 ppb Low Gravity Solids 52 ppb 59 ppb 47 ppb 18 Bit Impact Velocity Force Percent Barite 0.8% 1.2% 1 4% ppb Barite 12 ppb 18 ppb 21 ppb **BIT DATA** Manuf./Type GTD64M 158 lbs 86 ROP ft/hr Estimated Total LCM in System Size Depth In Hours Footage Motor/MWD Calc. Circ. Pressure ppb 10.920 ft 62.0 4.297 ft 2.050 psi Sample Taken By R. Bowlin R. Bowlin M.Meehan 6 3/4 69.3 4.023 psi

Remarks/Recommendations:

OBM RECEIVED: 2417 bbls / OBM RETURNED: 0

OBM LOSSES: (- bbls DAY) / (-327bbls Cumulative)

OBM on surface: 2312bbls (Storage) / 697bbls (Active pits)

SWEEP: 10ppb (2-MagmafiberF / 4-CalCarb M / 4-Newphalt)

Ria Activity:

Over the past 24 hours Patterson 248 continued drilling ahead on the lateral section from 14,848' MD to 15,209'MD experiencing tight hole conditions with increased Ash in the surface samples. Samples at 15,209'MD showed 60% AC / 40% ASH. Made a wiper trip from 14,568 to 13,584'MD in an attempt to open the hole and reduce tight hole. Began troughing at 14,538 to 14,568'MD. No sweeps while attempting to sidetrack. Maintained active density at 8.9-9.0ppg with diesel dilutions, no drill H2O currently. Processed active system for 7hrs to remove LGS attributed to the Ash drilled and the carbonic acid converted into calcium carbonate. At the time of the am report time drilling at 14,574'MD.

Eı	ng. 1:	M	latt M	leeha	n	Er	ng. 2:	Rob	Bowlin	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Pl	none:					Pł	none:	228-9	990-1055	Phone:	432-686-7361	Phone:	-			
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 user		r, no representati	has been prepared on is made as to the	\$1,285.87	\$90,038.39
												INCLUD	ING 3RD PAR	TY CHARGES	\$8,483.07	\$156,525.89

110 Old Market St.

St Martinville, LA 70582

92.4° 10,745' TVD

,783 f	
	<u> </u>
ressure	
98 ps	
BOOS	
	4.75
	12
	.0625
7 K=	 = 172.
y = 959	5%
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ne 40	0 min
ne 133	33 mir
ROL	
s Ho	Hours
1	12.0
1	12.0
1	12.0
2	2.0
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CalCarb Medium, 10 ppb Newphalt and 10 ppb Magnafiber fine

Drilling 6-3/4" lateral hole section. Samples at 14700 showed 90% Austin Chalk and 10% Shale. Maintain mud wt at 9.0 ppg. Maintain the HTHP to <5 with additions of OPTI-G. Pumping 10 bbls LCM sweep every 300' or as needed. Running mud chiller system MWD Temperature 275 degrees F. Running the centrifuge as needed to maintain the mud wt.

93.3° 10,728' TVD

	NOLIA (OIL & C	GAS		TTERSO	ON	_	INGTO	N	(Start D		24 hr ft	633 ft			-	07 ft	
Well Name and No. SAE Report for	BINE D	4-H ST	01	Rig Name ar	248		TE Field / OCS-G #	EXAS		Spud Da	01/16	6/21	Circula	0 ft/hr		Activity W Circulat	-	Trip	
	/ Gwin/	Kevin	Burt	·	ol Pusi	her		DIGNS		Fiuld Typ	。 OB	м		ating Rate 399 gpn				: psi	
2000)			RTY SPECIF					LUME (BE	BL)		PUMI			PUMP #2				OOSTE	R
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	•	0 bbl	Liner		4.75	Line		.75	Liner		4.75	
8.8-9.8	5-20	4-15	>400	±290K	<10 <15		In Hole		7 bbl	Stro		12			12	Stro		12	
				3/19/21		3/18/21	Active		9 bbl	bbl/s		0.0625			625	bbl/		0.062	5
Time Sample	Taken			3:00		11:00	Storage	e <u>231</u>	2 bbl	stk/r	min	76	stk	/min 7	76	stk/r	nin	0	
Sample Locati	on			suction		shaker	Tot. on Loc	cation 365	i9 bbl	gal/r	min	199	gal	/min 1	99	gal/ı	min	0	
Flowline Temp	erature °F	=		104 °F		110 °F		PHHP = 86	6		CIF	RCULATI	ON DA	TA	[n = 0	.646	K = 208.2	293
Depth (ft)				15,207'		14,783'	Bit D	Depth = 15,	018 '		١	Vashout	= 1%		Pump	Efficie	ency =	95%	_
Mud Weight (p	ppg)			9.0		9.0	Drill String	Volume	to Bit	210.7	bbl /	Stroke	s To Bit	3,373		Time 1	o Bit	22 mi	n
Funnel Vis (se	c/qt)		@ 88 °F	54		54	Disp.	Bottoms L	Jp Vol.	387.8	3 bbl	Bottoms	Jp Stks	6,209	Botto	msUp	Time	41 mi	n
600 rpm				36		41	87.3 bbl	TotalCi	rc.Vol.	1338.	5 bbl	TotalC	irc.Stks	21,428	Tota	l Circ.	Time	141 m	in
300 rpm				23		25		DRILLIN	G ASS	SEMBL	Y DA	TA		S	OLID	S CON	ITRO	L	
200 rpm				18		17	Tubulars	OD (in.)	ID	(in.)	Len	gth	Тор	Unit		Scre	ens	Hours	3
100 rpm				12		12	Drill Pipe	4.500	3.	826	12,2	278'	0'	Shake	r 1	20	0	24.0	
6 rpm				6		6	Agitator	5.375	3.	000	2	9' 12	2,278'	Shake	r 2	20	0	24.0	
3 rpm				5		5	Drill Pipe	4.500	3.	826	2,3	78' 12	2,307'	Shake	r 3	20	0	24.0	
Plastic Viscos	ity (cp)		@ 150 °F	13		16	Dir. BHA	5.250	2.	500	33	33' 14	1,685'						
Yield Point (lb.	/100 ft²)		T0 = 4	10		9		CASIN	IG & I	HOLE [DATA								
Gel Strength (lb/100 ft²)	10	sec/10 min	6/11		6/10	Casing	OD (in.)	ID	(in.)	De	pth	Тор	Centrifuç	ge 1	NC	V	2.0	
Gel Strength (lb/100 ft ²)		30 min	13		13	Riser							VOLUN	ME AC	COU	ITING	(bbls)	
HTHP Filtrate	(cm/30 mi	in)	@ 300 °F	4.4		4.0	Surface	10 3/4			2,9	06'	0'	Prev. 7	otal o	n Loc	ation	3589	€.6
HTHP Cake T	hickness ((32nds)		2.0		2.0	Int. Csg.	7 5/8	6.	875	10,1	148'	0'	Transfe	erred li	n(+)/C	ut(-)		
Retort Solids (Content			9.9%		10%									Oil	Adde	d (+)	82	2.6
Corrected Soli	ds (vol%)			7.7%		7.6%									Barite	Adde	d (+)	(0.0
Retort Oil Con	tent			68.3%		67%	Oper	n Hole Size	6.	818	15,2	207'		Other Pr	roduct	Usag	e (+)	10	0.6
Retort Water (Content			21.8%		23%	ANI	NULAR GE	ОМЕ	TRY &	RHE	DLOGY		,	Water	Adde	d (+)		
O/W Ratio				76:24		74:26	annular	r me	eas.	velo	city	flow I	ECD	Le	eft on C	Cutting	js (-)	-20	0.0
Whole Mud Cl	nlorides (n	ng/L)		55,000		59,000	section	de	epth	ft/m	nin	reg I	o/gal	E,	vap &	Centri	fuge	-4	4.1
Water Phase	Salinity (p	pm)		283,471		286,859								Non-Red	covera	ble Vo	ol. (-)		
Whole Mud Al	kalinity, P	om		2.8		3.0	6.875x4.	.5 10	,148'	361	.8	turb	9.90	Est. 7	Total o	n Loc	ation _	3659	9.0
Excess Lime (lb/bbl)			3.6 ppb		3.9 ppb	6.818x4.	.5 12	,278'	372	2.6	turb 1	0.04	Est. Los	ses/G	ains (-)/(+)	(0.0
Electrical Stab	ility (volts))		478 v		506 v	6.818x5.3	375 12	,307'	555	5.5	turb 1	0.05	BIT	HYDR	RAULI	CS D	ATA	
Average Spec	ific Gravity	y of Solid	s	2.64		2.55	6.818x4.	.5 14	,685'	372	2.6	turb 1	0.25	Bit H.S.I.	Bit	ΔΡ	Nozzl	es (32nd	(st
Percent Low C	Gravity Sol	lids		6.4%		6.7%	6.818x5.2	25 15	,018'	516	6.5	turb 1	0.34	0.39	59	psi	18	18 1	18
ppb Low Grav	ity Solids			53 ppb		55 ppb								Bit Impact	Noz Velc		18	18 1	18
Percent Barite	1			1.2%		0.9%								Force	(ft/s	-			
ppb Barite				18 ppb		13 ppb	BIT D	ATA	Ma	anuf./Ty	/ре	GTD	64M	160 lbs	8	6			
Estimated Tot	al LCM in	System	ppb				Size	Depth In	Н	ours	Foot	tage RC	P ft/hr	Motor/M	WD	Calc.	Circ.	Pressu	re
Sample Taker	в Ву			R. Bowlin	0	M.Meehan	6 3/4	10,920 ft	8	6.0	5,13	39 ft	59.8	1,700	psi		3,879	psi	

Remarks/Recommendations:

OBM RECEIVED: 3484 bbls / OBM RETURNED: 0

OBM LOSSES: (- bbls DAY) / (-258bbls Cumulative)

OBM on surface: 2312bbls (Storage) / 740bbls (Active pits)

Rig Activity:

Over the past 24 hours completed sidetracking the wellbore achieving separation from the previous wellbore. Maintained active density at 8.9-9.0ppg with diesel dilutions, no drill H2O over the past 24 hours. Minimal chemical treatments have been made to maintain the drilling fluid within the recommended parameters. Resumed pumping 10bbl LCM laden sweeps every 300' drilled down. At the time of the am report drilled to 15,207'MD. Currently making a 3 stand wiper trip due to poor ROP.

SWEEP: 10ppb (2-MagmafiberF / 4-CalCarb M / 4-Newphalt)

W P 1 1	Y 1	1 1	1 1	g 1	G 1	1 1	1	carefully	and may be		elects, however, ecommendation	, no representation only.	on is made as to the	\$593.68 \$8.539.98	\$90,632.07 \$165.065.87
Phone:		85-35					228-9	90-1055 Any opin	Phone:	432-686-7361 ecommendation, exp	Phone:	- written herein h	as been prepared	¢ E02 60	¢00 622 07
Eng. 1:	N	1att M	leeha	n	En	ıg. 2:	Rob	Bowlin	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost

TEL: (337) 394-1078

87.9° 10,605' TVD

_	NOLIA (OIL &	GAS		TTERSO	ON	_	Block IINGTOI	N	_)1/16		24 hr ft	3 ft			-	0 ft	
Well Name and No	BINE D	۷-H &.	T01	Rig Name ar	nd No. 248		State	EXAS		Spud Dat	•)1/16	3/21	Current	ROP	,	Activity	Surv	ω.	
Report for	JINE D	4-11 0	101	Report for	240		Field / OCS-G #	-740		Fluid Type)/ <u>L</u> I	Circulat	ing Rate	(Circulatin			
Bobby	y Gwin/	Kevir	n Burt	То	ol Pusi	ner	GID	DIGNS			ОВ	М		197 gpm	1				
	MUD	PROPI	ERTY SPECIF	ICATION	s		MUD VO	LUME (BE	BL)	I	PUMI	P #1		PUMP #2		RISE	R BC	OST	ER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	745	5 bbl	Liner	Size	4.75	Liner	Size 4.	75	Liner S	Size	4.7	' 5
8.8-9.8	5-20	4-15	>400	±290K	<10 <15	<10	In Hole	626	6 bbl	Strok	ke	12	Stro	ke 1	2	Strok	е	12	2
	I	1		3/20/21		3/19/21	Active	120	7 bbl	bbl/s	stk	0.0625	bbl/	stk 0.0	625	bbl/st	tk	0.06	325
Time Sample	Taken			2:00		11:00	Storage	230	0 bbl	stk/m	nin	75	stk/	min		stk/m	in	0	1
Sample Locati	ion			suction		shaker	Tot. on Loc	cation 367	1 bbl	gal/n	nin	197	gal/	min (0	gal/m	in	0	1
Flowline Temp	perature °F	F						PHHP = 0			CIF	RCULATIO	DN DA	TA	ı	n = 0.6	646	< = 208	8.293
Depth (ft)				15,210'		15,210'	Bit C	epth = 11,	573 '		١	Nashout =	1%		Pump	Efficier	ncy =	95%	
Mud Weight (բ	opg)			9.3		9.0	Drill String	Volume	to Bit	161.7	bbl	Strokes	To Bit	2,589	٦	Time To	Bit	35 n	nin
Funnel Vis (se	ec/qt)		@ 78 °F	59		55	Disp.	Bottoms U	lp Vol.	300.0	bbl	BottomsU	p Stks	4,803	Botton	nsUp T	ime	64 n	nin
600 rpm				36		38	68.6 bbl	TotalCi	rc.Vol.	1206.7	7 bbl	TotalCir	c.Stks	19,318	Total	Circ. T	ime	258 r	min
300 rpm				23		24		DRILLING	G ASS	SEMBL	Y DA	TA		s	OLIDS	CON	TRO	L	
200 rpm				17		18	Tubulars	OD (in.)	ID	(in.)	Len	igth T	ор	Unit		Scree	ns	Hou	ırs
100 rpm				12		12	Drill Pipe	4.500	3.	826	8,8	33'	0'	Shaker	1	200)	24.	.0
6 rpm				6		6	Agitator	5.375	3.	000	29	9' 8,	833'	Shaker	2	200)	24.	.0
3 rpm				5		5	Drill Pipe	4.500	3.	826	2,3	78' 8,	862'	Shaker	. 3	200)	24.	.0
Plastic Viscos	ity (cp)		@ 150 °F	13		14	Dir. BHA	5.250	2.	500	33	33' 11	240'						
Yield Point (lb.	/100 ft²)		T0 = 4	10		10		CASIN	IG & I	HOLE D	ATA								
Gel Strength ((lb/100 ft²)	,	10 sec/10 min	6/11		6/10	Casing	OD (in.)	ID	(in.)	De	pth T	ор	Centrifuç	ge 1	NO\	/		
Gel Strength ((lb/100 ft ²)		30 min	13		13	Riser							VOLUM	IE AC	COUN	TING	(bbls	s)
HTHP Filtrate	(cm/30 m	in)	@ 300 °F	4.4		4.0	Surface	10 3/4			2,9	06'	0'	Prev. T	otal or	n Locat	tion	36	59.0
HTHP Cake T	hickness	(32nds)	1	2.0		2.0	Int. Csg.	7 5/8	6.	875	10,1	148'	0'	Transfe	erred Ir	n(+)/Ou	ıt(-)		
Retort Solids (Content			11%		10%									Oil	Added	(+)	2	24.8
Corrected Sol	ids (vol%)			8.8%		7.8%									Barite	Added	(+)		0.0
Retort Oil Con	ntent			67%		68%	Open	Hole Size	6.	818	15,2	210'		Other Pr	roduct	Usage	(+)		0.0
Retort Water	Content			22%		22%	ANI	NULAR GE	ОМЕ	TRY &	RHE	DLOGY		1	Water	Added	(+)		
O/W Ratio				75:25		76:24	annular		eas.	veloc	,	l l	CD	Le	ft on C	uttings	s (-)		-0.1
Whole Mud C	hlorides (n	ng/L)		55,000		56,000	section	de	epth	ft/m	iin	reg lb	/gal	Ev	vap & 0	Centrif	uge		
Water Phase	Salinity (p	pm)		281,620		285,280								See	epage (Surge I	PSI		12.7
Whole Mud Al	lkalinity, P	om		2.2		2.7	6.875x4.	5 8,8	333'	178	.5	lam 9	.77	Est. T	otal or	n Locat	tion_	367	71.0
Excess Lime ((lb/bbl)			2.9 ppb		3.5 ppb	6.875x5.3	75 8,8	362'	262	.5	lam 9	.77	Est. Los	ses/Ga	ains (-)	/(+)		0.0
Electrical Stab	oility (volts)		481 v		498 v	6.875x4.	5 10,	148'	178	.5	lam 9	.77	BIT	HYDR	AULIC	S D	ATA	
Average Spec	cific Gravit	y of Sol	ids	2.82		2.59	6.818x4.	5 11,	240'	183	.8	lam 9	.79	Bit H.S.I.	Bit A	AP N	Nozzle	es (32)	nds)
Percent Low 0	Gravity So	lids		6.4%		6.7%	6.818x5.2	25 11,	573'	254	.9	lam 9	.81	0.05	15	psi	18	18	18
ppb Low Grav	ity Solids			53 ppb		55 ppb								Bit Impact	Noz Velo		18	18	18
Percent Barite)			2.3%		1.1%			1					Force	(ft/se	-			
ppb Barite				33 ppb		16 ppb	BIT D	ATA	Ma	anuf./Ty		U613	S	40 lbs	42	2			
Estimated Tot	al LCM in	System	n ppb				Size	Depth In	Н	ours	Foot	tage RO	P ft/hr	Motor/M	WD	Calc.			sure
Sample Taker	п Ву			R. Bowlin	0	M.Meehan	6 3/4	15,210 ft	(0.0	0	ft #D	IV/0!				640	psi	

Remarks/Recommendations:

OBM RECEIVED: 3484 bbls / OBM RETURNED: 0

OBM LOSSES: (- bbls DAY) / (-258bbls Cumulative)

OBM on surface: 2300bbls (Storage) / 745bbls (Active pits)

Rig Activity:

Over the past 24 hours Patterson 248 has wash and ream out of the hole to the shoe at 10,148'MD. At this depth spotted 50bbls of 16.0ppg kill mud with no SICP and the well flowing at 2BPH. From 10,148'MD striped out to the top of the kill mud at 9,009'MD, observed zero flow or SICP and continued to TOOH conventionally. LD BHA #5 and PU BHA #6, performed surface tests and TIH to 9,024'MD slip and cut. TIH to 11,330'MD and circulated out the mud cap. Began diverting to the open tops at 11ppg highest MW out at 14.3ppg, diverted for reuse 76bbls total. At the time of the am report TIH at 11,572'MD currently pumping up a survey.

SWEEP: 10ppb (2-MagmafiberF / 4-CalCarb M / 4-Newphalt)

							i						TY CHARGES	\$4.387.60	\$169.453.47
W P 1 1	Y 1	E 1	C 1	g 1	G 1	H 1	O 1	carefully	and may be	ecommendation, exp used if the user so ation, and this is a re	elects, however,	no representation	on is made as to the	\$1,910.00	\$92,542.07
Phone	:	985-35	51-756	61	Ph	one:	228-9	90-1055	Phone:	432-686-7361	Phone:	-			
Eng. 1	:	Matt N	1eeha	n	En	ıg. 2:	Rob	Bowlin	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost

110 Old Market St.

St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

93.2° 10,712' TVD

Operator MAGNOLIA OIL & GA	ıs		TERSO)N		n / Block HINGT	ON	C	r Start Date)1/16/21		84 1	ft		•	94 ft	
Well Name and No. SABINE D 4-H ST01		Rig Name an	d No. 248		State	EXAS		Spud Da	^{ite})1/16/21	Cur	rent ROP 45 ft	/hr	Activity	Drill	ina	
Report for		Report for	240		Field / OSC-G			Fluid Typ		Circ	culating Rate	111	Circulati			
Bobby Gwin/ Kevin B	urt	То	ol Pusł	ner	GIE	DIGN	S	1.	ОВМ		394 g	pm		-	psi	í
MUD PROPERTY	Y SPECII	FICATION	s		MUD VC	DLUME	(BBL)	ı	PUMP #1		PUMP	#2	RISE	ER B	OOST	ER
Weight PV YP	E.S.	CaCl2	GELS	HTHP	In Pits	; -	747 bbl	Liner	Size 4.	75 Lii	ner Size	4.75	Liner	Size	4.7	75
8.8-9.8 5-20 4-15	>400	±290K	<10 <15	<10	In Hole	e (609 bbl	Strok	ke 1	2	Stroke	12	Stro	ke	12	2
MUD PROPE	RTIES				Active	1	356 bbl	bbl/s	stk 0.0	625	bbl/stk	0.0625	bbl/s	stk	0.06	325
Time Sample Taken		2:00		11:00	Storage	e <u>2</u>	300 bbl	stk/n	nin 7	5 s	stk/min	75	stk/r	nin		
Sample Location		suction		shaker	Tot. on Loc	cation 3	656 bbl	gal/n	nin 19	97 (gal/min	197	gal/r	min		
Flowline Temperature °F				110 °F	Mud Wt. =	= 9.3	PV=13	YP=	10 CI I	RCULAT	ION DAT	A	n = 0	.646	K = 20	08.3
Depth (ft)		15,210'		15,294'	Bit D	epth =	15,294 '		Wash	out = 1%	6	Pump	Efficie	ency =	= 95%	,
Mud Weight (ppg)		9.3		9.0	Drill String	Volu	me to Bit	214.6	bbl Str	okes To I	Bit 3,43	6	Time T	o Bit	23 n	min
Funnel Vis (sec/qt)	@ 78 °F	59		54	Disp.	Bottom	s Up Vol.	394.9	bbl Botto	msUp St	ks 6,32	1 Botto	omsUp ⁻	Time	42 n	min
600 rpm		36		39	88.9 bbl	Tota	ICirc.Vol.	1356.5	5 bbl To	talCirc.St	ks 21,7	15 Tota	al Circ.	Time	145 ı	min
300 rpm		23		24		DRILL	ING AS	SEMBL	Y DATA			SOLIE	S CON	ITRO	L	
200 rpm		17		18	Tubulars	OD (in	n.) ID	(in.)	Length	Тор	ι	Jnit	Scre	ens	Hou	urs
100 rpm		12		12	Drill Pipe	4.500	3.8	826	12,554'		Sha	aker 1	20	0	6.0	0
6 rpm		6		6	Agitator	5.375	5 3.0	000	29'	12,554	l' Sha	aker 2	20	0	6.0	0
3 rpm		5		5	Drill Pipe	4.500	3.8	826	2,378'	12,583	3' Sha	aker 3	20	0	6.0	0
Plastic Viscosity (cp)	@ 150 °F	13		15	Dir. BHA	5.250	2.5	500	333'	14,961	•					
Yield Point (lb/100 ft²)	Γ0 = 4	10		9		CA	SING &	HOLE	DATA							
Gel Strength (lb/100 ft²) 10 sec	c / 10 min	6/11		6/10	Casing	OD (in	n.) ID	(in.)	Depth	Тор	Cent	rifuge 1	NO	V	3.0	0
Gel Strength (lb/100 ft2)	30 min	13		13	Riser						VOI	UME A	CCOUN	ITING	(bbl	s)
HTHP Filtrate (cm/30 min)	@ 300 °F	4.4		4.4	Surface	10 3/4	4		2,906'		Pre	v. Total	on Loca	ation	36	71.0
HTHP Cake Thickness (32nds)		2.0		2.0	Int. Csg.	7 5/8	6.8	875	10,148'		Tra	nsferred	In(+)/O	ut(-)		
Retort Solids Content		11%		10%								Oi	I Added	(+) b		
Corrected Solids (vol%)		8.8%		7.7%								Barite	e Added	(+)		
Retort Oil Content		67%		68%	Open	Hole S	ize 6.8	818	15,294'		Othe	r Produc	t Usage	e (+)		
Retort Water Content		22%		22%	ANI	NULAR	GEOME	TRY &	RHEOLO	GY		Wate	r Added	(+)		
O/W Ratio		75:25		76:24	annula	ır	depth	veloc	city flow	ECD		Left on	Cutting	JS (-)		-3.8
Whole Mud Chlorides (mg/L)		55,000		57,000	section	n	ССРП	ft/m	in reg	lb/gal		Evap &	Centri	fuge	-	-10.7
Water Phase Salinity (ppm)		281,620		288,902								Seepage	Surge	PSI		
Whole Mud Alkalinity, Pom		2.2		2.5	6.875x4	l.5	10,148'	357	.0 turb	10.24	E	st. Total	on Loca	ation	36	56.5
Excess Lime (lb/bbl)		2.9 ppb		3.3 ppb	6.818x4	l.5	12,554'	367	.7 turb	10.44	Est.	Losses/G	ains (-)/(+)		0.0
Electrical Stability (volts)		481 v		470 v	6.818x5.3	375 ·	12,583'	548	.2 turb	10.48	ı	BIT HYD	RAULI	CS D	ATA	
Average Specific Gravity of Solids		2.82		2.59	6.818x4	l.5	14,961'	367	.7 turb	10.72	Bit H.	S.I. Bi	tΔP	Nozz	es (32	!nds)
Percent Low Gravity Solids		6.4%		6.6%	6.818x5.	.25	15,294'	509	.7 turb	10.85	0.38	60	psi	18	18	18
ppb Low Gravity Solids		53 ppb		55 ppb							Bit Imp	act Vel	zzle ocity	18	18	18
Percent Barite		2.3%		1.1%							Ford	e	sec)			
ppb Barite		33 ppb		15 ppb	BIT	DATA	Ма	nuf./Ty	pe l	J613S	161 I	bs 8	35			
Estimated Total LCM in System					Size	Depth	In Ho	ours	Footage	ROP ft/	hr Moto	r/MWD	Calc.	Circ.	Press	sure
Sample Taken By		R. Bowlin		M.Meehan	6 3/4	15,210) ft2	2.0	84 ft	42.0	2,00	00 psi		4,218	s psi	

Afternoon Remarks/Recommendations:

Pump 10 bbl sweep every 300 ft. Sweep Contains: 10 ppb

CalCarb Medium, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

RIH to 14500 ft. Wash and ream to bottom. Drilling ahead and sliding as needed to maintain the angle in the lateral hole section. Pumping a 10 bbl LCM sweep every 300 ft. Reduced the mud wt. from 9.3 ppg to 9.0 ppg through use of the centrifuge and additions of diesel. Maximum gas at B/U was 3381 units. Making additions of Lime to increase the alkalinity. Maintaining the rheology with additions of Bentone 38 and Bentone 990. Maintaining the chlorides with additions of CaCL2. Max temp at the MWD is 293 degrees.

10,830' TVD

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

82.3°

MAGNOLIA OIL & GAS PATTERSON WASHINGTON 01/16/21 1,228 ft 16,438 ft Name and No. t ROF 01/16/21 SABINE D 4-H ST01 248 **TEXAS** 197 ft/hr Drilling Field / OCS-G # Report fo eport for -luid Type ating Rate Circulating Pressure **Tool Pusher Bobby Gwin/ Kevin Burt GIDDIGNS OBM** 3.379 psi 299 apm MUD PROPERTY SPECIFICATIONS PUMP #1 PUMP #2 RISER BOOSTER MUD VOLUME (BBL) Weight CaCl2 **GELS** HTHP In Pits 668 bbl Liner Size 4.75 Liner Size 4.75 Liner Size 4.75 5-20 4-15 >400 ±290K <10 <15 <10 In Hole 655 bbl Stroke 12 Stroke 12 Stroke 12 8.8-9.8 3/21/21 3/20/21 1323 bbl 0.0625 bbl/stk 0.0625 bbl/stk 0.0625 57 57 0 Time Sample Taken 2:00 11:00 2296 bbl stk/min stk/min stk/min gal/min gal/min Sample Location suction shaker Tot. on Location 3619 bbl gal/min 150 150 O n = 0.585 K = 212.503 Flowline Temperature °F 90 °F 110 °F PHHP = 590 **CIRCULATION DATA** Depth (ft) 16.290 15 294 Bit Depth = 16,438 ' Washout = 1% Pump Efficiency = 95% Mud Weight (ppg) 88 9.0 Volume to Bit 230.9 bbl Strokes To Bit 3 696 Time To Bit 32 min **Drill String** Disp. Funnel Vis (sec/qt) @ 72 °F 51 54 Bottoms Up Vol. 424.0 bbl BottomsUp Stks 6,788 BottomsUp Time 60 min 24 600 rpm 39 95.1 bbl TotalCirc Vol. 1322.9 bbl TotalCirc Stks 21.178 Total Circ Time 186 min **DRILLING ASSEMBLY DATA** SOLIDS CONTROL 16 24 300 rpm 12 OD (in.) Screens 200 rpm 18 **Tubulars** ID (in.) Length Top Unit Hours 10 12 Drill Pipe 0' Shaker 1 200 24.0 100 rpm 4.500 3.826 13,698 5 6 5.375 29 13,698 Shaker 2 200 Agitator 3.000 24.0 6 rpm 4 5 Drill Pipe 4.500 3.826 2.378 13,727 Shaker 3 200 24.0 3 rpm 8 15 Dir. BHA 5.250 16.105 Plastic Viscosity (cp) Yield Point (lb/100 ft²) T0 = 8 9 **CASING & HOLE DATA** 6/10 Casing OD (in.) ID (in.) Gel Strength (lb/100 ft2) 10 sec/10 min 4/9 Depth Top Centrifuge 1 NOV 10.0 30 min 10 13 Riser **VOLUME ACCOUNTING (bbls)** Gel Strength (lb/100 ft2) Surface @ 300 °F 5.2 44 10 3/4 2.906 0' 3671.0 HTHP Filtrate (cm/30 min) Prev. Total on Location HTHP Cake Thickness (32nds) 2.0 2.0 Int. Csg 7 5/8 6.875 10,148 Transferred In(+)/Out(-) 0' Retort Solids Content 8 7% 10% Oil Added (+) 212.0 Corrected Solids (vol%) 6.5% 7.7% Barite Added (+) 0.0 Retort Oil Content 69.5% 68% Open Hole Size 6.818 16.438 Other Product Usage (+) 12.2 **ANNULAR GEOMETRY & RHEOLOGY** 21.8% Retort Water Content 22% Water Added (+) O/W Ratio 76:24 76:24 Left on Cuttings (-) -44.4 annular meas velocity flow ECD section depth ft/min reg lb/gal 54.000 57.000 Whole Mud Chlorides (ma/L) Evap & Centrifuge -35.0 279,759 288,902 Water Phase Salinity (ppm) Partial Losses -196.9 Whole Mud Alkalinity, Pom 2.4 2.5 6.875x4.5 10.148 271.3 9.50 Est. Total on Location 3618.9 turb 3.1 ppb 3.3 ppb 6.818x4.5 13,698 279.4 turb 9.85 Est. Losses/Gains (-)/(+) 0.0 Excess Lime (lb/bbl) 493 v 470 v 6.818x5.375 **BIT HYDRAULICS DATA** Electrical Stability (volts) 13,727 416.6 turb 10.08 2.60 2.59 6.818x4.5 16,105' 279.4 10.40 Bit H.S.I. Average Specific Gravity of Solids turb Bit ΔP Nozzles (32nds) 5.6% 6.6% 6.818x5.25 387.4 Percent Low Gravity Solids 16,438' turb 10.67 33 psi 18 18 18 Nozzle 18 18 ppb Low Gravity Solids 46 ppb 55 ppb 18 Bit Impact Velocity Force Percent Barite 0.9% 1.1% ppb Barite 13 ppb 15 ppb **BIT DATA** Manuf./Type U613S 88 lbs 64

Remarks/Recommendations:

Sample Taken By

Estimated Total LCM in System

OBM RECEIVED: 3484 bbls / OBM RETURNED: 0

OBM LOSSES: (- 40bbls DAY) / (-298bbls Cumulative)

ppb

R. Bowlin

OBM on surface: 2300bbls (Storage) / 668bbls (Active pits)

6 3/4 Rig Activity:

M.Meehan

Size

Depth In

15.210 ft

Hours

18.0

Finish TIH worked the BHA through the sidetrack pumps off and pumped up a survey to confirm reentry into the sidetrack. Drill/ Slide from 15,210'MD to 16,438'MD. Pumping 10bbl/10ppb LCM laden sweeps every 300' drilled down. Maintaining active density at 9.0ppg. At 15,800'MD began to observe partial losses at 36bph, proactively began background LCM additions of First Response and Ultimix CalCarb at 5sx each every 15 min in the suction. Decreased the active density from 9.0ppg to 8.8ppg and slowed the pumps to 352GPM losses decreased to 20-25BPH once an 8.85 was back to surface. Increased the sweep frequency to 10bbls every stand. At the time of the am report observed losses at 23BPH at 300GPM.

ROP ft/hr

68.2

Motor/MWD

2.050 psi

Calc. Circ. Pressure

3.295 psi

Footage

1.228 ft

	ng. 1: hone:			leeha			ng. 2:		Bowlin 90-1055	WH 1: Phone:	MIDLAND 432-686-7361	WH 2: Phone:	WH #2 -	Rig Phone:	Daily Total	Cumulative Cost
W 1	P 1	Y 1	E 1	C 0	g 1	G 1	H 1	O 1	carefully	and may be		elects, however	, no representati	nas been prepared on is made as to the	\$8,421.92	\$100,963.99
								•				INCLUDI	NG 3RD PAR	TY CHARGES	\$34,800.87	\$204,254.34

110 Old Market St.

St Martinville, LA 70582

79.2° 10,889' TVD

	NOLIA (OIL &	GAS		TERSO)N	_	n / Block HINGTO	N		/16/21	24 hr	382 ft			820	ft
Well Name and No.	INE D 4	4-H S	ST01	Rig Name ar	nd No. 248		State T	EXAS		Spud Date 01	/16/21	Curre	nt ROP	A	ctivity Cir	cula	ite
Report for				Report for			Field / OSC-G			Fluid Type		Circul	ating Rate		Circulating I	Pressur	e
Bobby					ol Push	ner		DIGNS			ОВМ		289 gpm		-	94 p	
	l	1	ERTY SPECI					DLUME (B			JMP #1		PUMP #2	-	RISER		
Weight	PV	YF		CaCl2	GELS	HTHP	In Pits		3 bbl	Liner Siz					Liner Siz	е	4.75
8.8-9.8	5-20	4-1		±290K	<10 <15	<10	In Hole		0 bbl	Stroke				12	Stroke		12
	M	UD PR	ROPERTIES	T			Active	133	ldd 8	bbl/stk	0.06	325 bb	ol/stk 0.0	625	bbl/stk	0	.0625
Time Sample	Taken			2:00		11:00	Storage	e <u>198</u>	6 bbl	stk/mir	n 56	6 stk	/min 5	54	stk/min		
Sample Locat	ion			suction		shaker	Tot. on Loc	cation 332	4 bbl	gal/mir	n 14	7 ga	I/min 1	42	gal/min		
Flowline Temp	erature °	F		90 °F		100 °F	Mud Wt. =	= 8.8 P\	V=8	YP=8	CIF	CULATIO	ON DATA	ı	n = 0.58	5 K:	= 212.5
Depth (ft)				16,290'		16,820'	Bit D	epth = 16	,820 '		Washo	out = 1%		Pump E	Efficienc	y = 9	5%
Mud Weight (p	opg)			8.8		9.0	Drill String	Volume	to Bit	236.3 b	bl Str	okes To Bi	t 3,783	Т	ime To E	Bit 3	4 min
Funnel Vis (se	ec/qt)		@ 72 °F	51		53	Disp.	Bottoms L	Jp Vol.	433.8 b	bl Botto	msUp Stks	6,944	Bottom	sUp Tim	e 6	3 min
600 rpm				24		29	97.2 bbl	TotalCi	rc.Vol.	1338.1 k	obl Tot	alCirc.Stks	21,421	Total	Circ. Tim	e 19	95 min
300 rpm				16		19		DRILLIN	G ASS	SEMBLY	DATA		S	OLIDS	CONTR	ROL	
200 rpm				12		13	Tubulars	OD (in.)	ID	(in.) L	-ength	Тор	Unit		Screens	s I	Hours
100 rpm				10		11	Drill Pipe	4.500	3.8	326 1	4,080'		Shake	r 1	200		12.0
6 rpm				5		5	Agitator	5.375	3.0	000	29'	14,080'	Shake	r 2	200		12.0
3 rpm				4		4	Drill Pipe	4.500	3.8	326	2,378'	14,109'	Shake	r 3	200		12.0
Plastic Viscos	ity (cp)		@ 150 °F	8		10	Dir. BHA	5.250	2.5	500	333'	16,487'					
Yield Point (lb.	/100 ft²)		T0 = 3	8		9		CASI	NG & I	HOLE D	ATA						
Gel Strength ([lb/100 ft²]) 1	10 sec / 10 min	4/9		5/9	Casing	OD (in.)	ID	(in.)	Depth	Тор	Centrifu	ge 1	NOV		4.0
Gel Strength (lb/100 ft2	.)	30 min	10		12	Riser						VOLUN	IE ACC	OUNTI	NG (l	obls)
HTHP Filtrate	(cm/30 m	nin)	@ 300 °F	5.2		5.2	Surface	10 3/4		:	2,906'		Prev. 7	otal on	Locatio	n	3618.9
HTHP Cake T	hickness	(32nds	s)	2.0		2.0	Int. Csg.	7 5/8	6.8	375 1	0,148'		Transfe	erred In	(+)/Out(-)	
Retort Solids (Content			8.7%		9.5%								Oil A	Added (-	+)	61.7
Corrected Soli	ids (vol%))		6.5%		7.3%								Barite A	Added (-	+)	
Retort Oil Con	itent			69.5%		68.5%	Open	Hole Size	6.8	318 1	6,820'		Other Pr	roduct l	Jsage (-	+)	
Retort Water (Content			21.8%		22%	ANI	NULAR G	EOME	TRY & F	RHEOLO	GY] ,	Water A	Added (-	+)	
O/W Ratio				76:24		76:24	annula	ır	41-	velocit	y flow	ECD	Le	ft on C	uttings (-)	-13.8
Whole Mud Cl	hlorides (mg/L)		54,000		56,000	section	i de	epth	ft/min	· 1	lb/gal	E	vap & C	entrifug	е	-22.7
Water Phase	Salinity (p	pm)		279,759		285,280		*						Lost R	eturns (-)	-320.0
Whole Mud Al	kalinity, F	om		2.4		2.2	6.875x4	.5 10,	148'	261.8	turb	9.25	Est. 7	otal on	Locatio	n	3324.1
Excess Lime ((lb/bbl)			3.1 ppb		2.9 ppb	6.818x4	.5 14,	,080'	269.6	turb	9.39	Est. Los	ses/Ga	ins (-)/(-	+)	0.0
Electrical Stab	oility (volts	s)		493 v		473 v	6.818x5.3	375 14,	109'	402.0	turb	9.39	BIT	HYDR	AULICS	DAT	A
Average Spec	ific Gravi	ty of S	olids	2.60		2.72	6.818x4	.5 16,	487'	269.6	turb	9.49	Bit H.S.I.	Bit A	AP No	zzles	(32nds)
Percent Low 0	Gravity Sc	olids		5.6%		5.7%	6.818x5.	.25 16,	820'	373.8	turb	9.53	0.14	30 p	osi 18	3 18	8 18
ppb Low Grav	ity Solids			46 ppb		47 ppb							Bit Impact	Nozz		3 18	8 18
Percent Barite)			0.9%		1.5%							Force	Veloc (ft/se			+
ppb Barite				13 ppb		22 ppb	BIT D	DATA	Ма	nuf./Type	e L	J613S	82 lbs	62	´		+
Estimated Tot	al LCM in	Syste	em				Size	Depth In	1			ROP ft/hr	Motor/M	WD	Calc. Ci	rc. Pr	essure
Sample Taker		-		R. Bowlin		M.Meehan	6 3/4	15,210 ft			,610 ft	57.5	1,800	psi	2,9	94 p	si
Afternoon Dom								-	1				<u> </u>				

Afternoon Remarks/Recommendations:

Pump 10 bbl sweep every 300 ft. Sweep Contains: 10 ppb

CalCarb Medium, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Drilling ahead in the lateral section to TD at 16820 ft. Pumped a series of three Drilling ahead in the lateral section to TD at 16820 ft. Pumped a series of three 30 bbl LCM sweeps and are circulating the hole clean. At 16720 gas increased to 3964 units. Circulated and raised the mud wt. to 9.0 ppg. Continued drilling to TD. Losses averaged 35 bbl per hour. Current loss rate is 20 bbl per hour. Adding 5 sacks per hour Newcarb, Newphalt, First Response and Syn Seal to the system. Maintaining the alkalinity with additions of Lime. Lowering the HTHP with additions of Opti-G. Maintaining the Rheology with additions of Bentone 38 and Bentone 990.

3,337' TVD

OUTSOURCE FLUID SOLUTIONS LLC.

15.5°

MAGNOLIA OIL & GAS PATTERSON WASHINGTON 01/16/21 382 ft 16,820 ft Name and No ROF **SABINE D 4-H ST01** 248 **TEXAS** 01/16/21 TOOH/LDDP Field / OCS-G # irculating Rate Report fo irculating Pressure eport for -luid Type **Tool Pusher GIDDIGNS Bobby Gwin/ Kevin Burt OBM** 0 qpm psi MUD PROPERTY SPECIFICATIONS PUMP #1 PUMP #2 RISER BOOSTER MUD VOLUME (BBL) Weight CaCl2 **GELS** HTHP In Pits 527 bbl Liner Size 4.75 Liner Size 4.75 Liner Size 4.75 8.8-9.8 5-20 4-15 >400 ±290K <10 <15 <10 In Hole 743 bbl Stroke 12 Stroke 12 Stroke 12 3/22/21 3/21/21 658 bbl bbl/stk 0.0625 bbl/stk 0.0625 bbl/stk 0.0625 0 0 0 Time Sample Taken 2:00 11:00 1958 bbl stk/min stk/min stk/min gal/min gal/min suction gal/min Sample Location shaker Tot. on Location 3228 bbl Λ 0 O n = 0.559 K = 295.909 Flowline Temperature °F 100 °F PHHP = 0**CIRCULATION DATA** Depth (ft) 16.820 16 820' Bit Depth = 3,377 ' Washout = 1% Pump Efficiency = 95% Mud Weight (ppg) 92 9.0 Volume to Bit 45.2 bbl Strokes To Bit Time To Bit **Drill String** Disp. Funnel Vis (sec/qt) @ 70 °F 55 53 Bottoms Up Vol. 86.0 bbl BottomsUp Stks BottomsUp Time 600 rpm 28 29 23.9 bbl TotalCirc Vol. 658.2 bbl TotalCirc Stks Total Circ. Time **DRILLING ASSEMBLY DATA SOLIDS CONTROL** 300 rpm 19 19 14 OD (in.) Unit Screens 200 rpm 13 **Tubulars** ID (in.) Length Top Hours 11 11 Drill Pipe 0' Shaker 1 200 24.0 100 rpm 4.500 3.826 637 5 5 5.375 29 637 Shaker 2 200 Agitator 3.000 24.0 6 rpm 4 4 Drill Pipe 4.500 3.826 2.378 666 Shaker 3 200 24.0 3 rpm 9 10 Dir. BHA 5.250 3.044 Plastic Viscosity (cp) Yield Point (lb/100 ft²) T0 = 10 9 **CASING & HOLE DATA** 5/11 5/9 Casing OD (in.) ID (in.) 4.0 Gel Strength (lb/100 ft2) 10 sec/10 min Depth Top Centrifuge 1 NOV 30 min 13 12 Riser **VOLUME ACCOUNTING (bbls)** Gel Strength (lb/100 ft2) Surface @ 300 °F 4.8 52 10 3/4 2.906 0' 3618.9 HTHP Filtrate (cm/30 min) Prev. Total on Location Int. Csg. HTHP Cake Thickness (32nds) 2.0 2.0 7 5/8 6.875 10,148 0' Transferred In(+)/Out(-) Retort Solids Content 10.3% 9.5% Oil Added (+) 61.7 Corrected Solids (vol%) 8% 7.3% Barite Added (+) 45.6 Retort Oil Content 67.7% 68.5% Open Hole Size 6.818 16.820 Other Product Usage (+) 10.0 **ANNULAR GEOMETRY & RHEOLOGY** Retort Water Content 22% 22% Water Added (+) O/W Ratio 75:25 76:24 Left on Cuttings (-) -13.8 annular meas velocity flow ECD section depth ft/min reg lb/gal 57.000 56.000 -22.7 Whole Mud Chlorides (ma/L) Evap & Centrifuge 288,902 285,280 -471.3 Water Phase Salinity (ppm) Lost Returns (-) Whole Mud Alkalinity, Pom 1.8 6.875x4.5 637 0.0 9.20 3228.3 lam Est. Total on Location 6.875x5.375 2.3 ppb 2.9 ppb 666 0.0 9.20 Est. Losses/Gains (-)/(+) 0.0 Excess Lime (lb/bbl) lam 480 v 473 v 6.875x4.5 **BIT HYDRAULICS DATA** Electrical Stability (volts) 3,044' 0.0 lam 9.20 2.83 2.72 6.875x5.25 3.377 0.0 Bit H.S.I. Average Specific Gravity of Solids lam 9.20 Bit ΔP Nozzles (32nds) 5.8% Percent Low Gravity Solids 5.7% 0.00 18 18 18 ppb Low Gravity Solids Nozzle 18 18 47 ppb 47 ppb 18 Bit Impact Velocity Percent Barite 2.2% 1.5% ppb Barite 32 ppb 22 ppb **BIT DATA** Manuf./Type U613S 0 lbs 0 ROP ft/hr Estimated Total LCM in System Size Depth In Hours Footage Motor/MWD Calc. Circ. Pressure 15.210 ft 28.0 1.610 ft 1.800 psi Sample Taken By R. Bowlin M.Meehan 6 3/4 57.5

Remarks/Recommendations:

OBM RECEIVED: 3484 bbls / OBM RETURNED: 0

OBM LOSSES: (- 391bbls DAY) / (-689bbls Cumulative)

OBM on surface: 1958bbls (Storage) / 527bbls (Active pits)

Rig Activity:

casing PSI increase to 1300PSI gain of 10-15bbls. Shut well in and circ gas from the well. Increased MW from 8.7ppg T 9.0ppg with a gas cut to 8.3ppg. Resumed drilling, drilled to TD at 16,820' and performed the clean up pump (3) 30bbls sweeps in tandem. After 2.5 BU recorded SICP of 698PSI continued clean up (Max Gas 3380). Recorded SICP at 455PSI. W&R T 14,568' work through the side track pumped a survey. Strip to 10,148' and circ BU, lost 47bbls. Record SICP of 505PSI bled off to 475PSI, spot 116bbls of 16.0ppg Kill mud (Zero SICP). Strip to the top of the mud cap check flow, pumped a slug and TOOH conventionally LDDP at 2,978'MD.

Е	ng. 1:	N	1att M	leeha	n	Er	ng. 2:	Rob	Bowlin	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Р	none:	98	85-35	1-756	31	Pł	none:	228-9	990-1055	Phone:	432-686-736	61 Phone:	-			
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 use		ver, no represen	n, has been prepared tation is made as to the	\$38,644.24	\$139,608.23
										•		INCLU	DING 3RD PA	ARTY CHARGES	\$48,085.64	\$252,339.98

83.5° 10,707' TVD

Operator MAGI	NOLIA (OIL & (GAS	Contractor PA	TTERSO	ON	County / Parish /	Block HINGTOI	N	Engineer	Start Dat)1/16/		24 hr ft	g.		Drilled		20 ft
Well Name and No.	BINE D	4-H ST	01	Rig Name ar	nd No. 248		State TE	EXAS		Spud Date	e)1/16/	/21	Curren	t ROP		Activity Pr		asing
Report for	<u> </u>		-	Report for			Field / OCS-G #	DIONO		Fluid Type			Circula	ting Rate		Circula	ting Pre	ssure
Ворру	/ Gwin/				ool Pusi	ner		DIGNS			OBN			0 gpm PUMP #2		DIC	ED D	OOSTER
Maiakt		YP	RTY SPECIF			LITUD		LUME (BE			PUMP		1					OOSTER
Weight	PV	4-15	E.S. >400	CaCl2	GELS	HTHP	In Pits In Hole		6 bbl	Liner S		5.25 12	Stro		.75 12	Stro	Size	4.75 12
8.8-9.8	5-20	4-15	>400	±290K 3/23/21	<10 <15	<10 3/22/21	Active		3 bbl 8 bbl	bbl/s		0.0763			0625		/stk	0.0625
Time Sample	Takan			2:00		11:00	Storage		0 bbl	stk/m		0.0763		min U.U	J025	stk/		0.0625
Sample Locati				suction		shaker	•	tation 310		gal/n		0			0	gal/		0
Flowline Temp		=		Suction		SHARE	TOL OIT LO	PHHP = 0		gai/ii		CULATIO	Ŭ		0			K = 215.795
Depth (ft)	erature i			16,820'		16,820'	Rit F	Depth = 14,		1		/ashout =			Pump			
Mud Weight (p	nna)			9.3		9.2				275.2		Strokes			ı		To Bit	- 9370
Funnel Vis (se			@ 82 °F	54		56	Drill String Disp.	Bottoms U				BottomsU			Botto			
600 rpm	:c/qt)		@ 02 1	29		29	104.0 bbl			1138.0		TotalCii				l Circ.		
300 rpm				19		19	104.0 001	DRILLING			!_		U.OINS	s	OLID			1
200 rpm				13		14	Tubulars			(in.)	Leng		ор	Unit			ens	Hours
100 rpm				11		11	Casing	5.500		670	7.05		0'	Shake		20		24.0
6 rpm				5		5	Casing	5.000		276	7,08		053'	Shake		20		24.0
3 rpm				4		4		0.000		0	.,00		.136'	Shake		20		24.0
Plastic Viscosi	ity (cp)		@ 150 °F			10							,136'	o.iaito.	. •	_`		20
Yield Point (lb/			T0 = 3			9		CASIN	IG & I	HOLE D	DATA		,					
Gel Strength (10) sec/10 min	5/11		5/10	Casing			(in.)	Dep	th T	ор	Centrifug	ae 1	NC	ΟV	1.0
Gel Strength (I			30 min	13		13	Riser	,		,	·					COU	NTING	G (bbls)
HTHP Filtrate		in)	@ 300 °F	4.8		4.8	Surface	10 3/4			2,90	6'	0'	Prev. 7				3228.3
HTHP Cake T	•	•		2.0		2.0	Int. Csg.	7 5/8	6.	875	10,14	1 8'	0'	Transfe				50.0
Retort Solids (10.5%		10%	Prod.									Adde	` '	41.9
Corrected Soli	ds (vol%)			8.2%		7.8%	Prod.								Barite	Adde	ed (+)	0.0
Retort Oil Con	tent			67.5%		68%	Oper	n Hole Size	6.	818	16,82	20'		Other P	roduct	Usag	je (+)	0.0
Retort Water 0	Content			22%		22%	ANI	NULAR GE	OME	TRY &	RHEO	LOGY		,	Water	Adde	ed (+)	
O/W Ratio				75:25		76:24	annulai	r m	eas.	veloc	oity f	low E	CD	Le	eft on C	Cutting	gs (-)	0.0
Whole Mud Ch	nlorides (n	ng/L)		56,000		56,000	section		pth	ft/m	•		/gal	Non-Red	covera	ble V	ol. (-)	-2.1
Water Phase S	Salinity (p	pm)		285,280		285,280									Lost I	Returi	ns (-)	-209.0
Whole Mud All	kalinity, P	om		1.8		2.2	6.875x5	.5 7,0	053'	0.0) [lam 9	.30	Est. 7	Γotal o	n Loc	ation	3109.2
Excess Lime (lb/bbl)			2.3 ppb		2.9 ppb	6.875x5	5 10,	148'	0.0) [lam 9	.30	Est. Los	ses/G	ains (-)/(+)	0.0
Electrical Stab	ility (volts))		466 v		473 v	6.818x5	5 14,	136'	0.0) (lam 9	.30	BIT	HYDR	AULI	ICS D	ATA
Average Spec	ific Gravity	y of Solid	ls	2.93		2.90								Bit H.S.I.	Bit	ΔΡ	Nozz	es (32nds)
Percent Low G	Gravity Sol	lids		5.5%		5.3%												
ppb Low Gravi	ity Solids			45 ppb		44 ppb								Bit Impact	Noz			
Percent Barite				2.7%		2.5%								Force	Velo	-		
ppb Barite				39 ppb		35 ppb	BIT D	ATA	Ma	anuf./Ty	ре	U613	S					
Estimated Total	al LCM in	System	ppb				Size	Depth In	Н	ours	Foota	ige RO	P ft/hr	Motor/M	WD	Calc	. Circ.	Pressure
Sample Taken	Ву			R. Bowlin	0	M.Meehan	6 3/4	16,820 ft										

Remarks/Recommendations:

OBM RECEIVED: 3484 bbls / OBM RETURNED: 0

OBM LOSSES: (-119bbls DAY) / (-808bbls Cumulative)

OBM on surface: 1850bbls (Storage) / 596bbls (Active pits)

Rig Activity:

Finished TOOH laying down the drill string, RU Franks casing crew and make up the shoe track. Run 7,083' of 5" production and began running 5.5" production casing. Stop at 9,000'MD and broke circulation, pumped 50bbls and lost 19bbls. Continue in the hole to 10,208"MD circulate kill mud from the well, losing 62bbls during circulation. Observed 10.2ppg dumping 105bbls to the open top for reuse, mud cap had channeled and blended with the 9.2ppg never observing a density higher than 10.2ppg. Run casing in the hole to 11,398'MD again circulate a bottoms up, lost 128bbls during circulation, observing 10-12ppg density dumping 46bbls of the same for reuse. At the time of the morning report running production casing at 14,136'MD.

Е	ng. 1:	N	Matt Meehan Eng. 2: Rob Bowlin WH 1: MIDLAND								MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost		
Р	hone:	98	85-35	1-756	31	Pł	none:	228-9	990-1055	Phone:	432-686-7361	Phone:	-					
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 user		r, no representati	nas been prepared on is made as to the	\$9,645.00	\$149,253.23		
												INCLUD	ING 3RD PAR	TY CHARGES	\$13,534.60	\$265,874.58		

110 Old Market St. St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

0.0°

0' TVD

Operator		Contractor			County / Parish / Block			Engineer Start Date 24				ı.		Drilled Depth				
MAGI	NOLIA (OIL & G	SAS	PA	TTERSO	ON	WASH	HING	ГОИ	_	1/16/	21				16,820 ft		
Well Name and No.	INE D	4 II CT/	04	Rig Name ar			TEXAS			Spud Date		24	Current ROP			Activity Wait on Cement		
Report for	SINE D	4-n SI	ויט	Report for	248		Field / OCS-G #			01/16/21 Fluid Type			Circulating Rate				t On	
Bobby	Gwin/	Kevin	Burt	Тс	ol Pusi	ner	GID	DIGN	IS	ОВМ			0 gpm					
	MUD	PROPER	RTY SPECIF	CATIONS			MUD VOLUME (BBL)			PUMP #1			PUMP #2			RIS	ER B	OOSTER
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits		347 bbl	Liner S	Size	5.25	Liner	Size 4	1.75	Liner	r Size	4.75
8.8-9.8	5-20	4-15	>400	±290K	<10 <15	<10	In Hole		0 bbl	Strok	ке	12	Stro	ke	12	Stro	oke	12
				3/24/21		3/23/21	Active		347 bbl	bbl/s	tk	0.0763	bbl/s	stk 0.	0625	bbl	/stk	0.0625
Time Sample	Taken			2:00		11:00	Storage	e	2451 bbl	stk/m	nin		stk/r	min		stk/	min/	
Sample Locati	on			suction		shaker	Tot. on Lo	cation	2798 bbl	gal/m	nin	0	gal/r	min	0	gal/	/min	0
Flowline Temp	erature °F							PHHP	= 0	•	CIRC	ULATIO	N DA1	ΓΑ		n = ().585	K = 239.066
Depth (ft)				16,820'		16,820'					W	ashout =			Pump	o Effici	ency =	= 95%
Mud Weight (p	pg)			9.0		9.0	Drill String	Vol	ume to Bit	0.0 b	bl	Strokes	To Bit	•		Time	To Bit	
Funnel Vis (se	c/qt)		@ 88 °F	51		53	Disp.	Bottor	ns Up Vol.	0.0 b	obl E	ottomsUp	Stks		Botto	omsUp	Time	
600 rpm				27		27	0.0 bbl	Tot	alCirc.Vol.	347.0	bbl	TotalCirc	.Stks		al Circ. Time			
300 rpm				18		18		DRIL	LING ASS	SEMBL	Y DATA		SOLIC			DS CONTROL		
200 rpm				13		13	Tubulars	OD (in.) ID	(in.)	Leng	h To	ор	Uni	t	Scre	eens	Hours
100 rpm			10		11					0'	()'	Shake	er 1	20	00	24.0	
6 rpm			5		5						()'	Shake	er 2	20	00	24.0	
3 rpm				4		4						()'	Shake	er 3	20	00	24.0
Plastic Viscosi	ty (cp)		@ 150 °F	9		9						()'					
Yield Point (lb/	100 ft²)		T0 = 3	9		9		CA	SING &	HOLE D	ATA							
Gel Strength (I	b/100 ft ²)	10	sec/10 min	5/9		5/10	Casing	OD (in.) ID	(in.)	Dept	h To	ор	Centrifu	ige 1	N	VC	3.0
Gel Strength (lb/100 ft²) 30 min			11		13	Riser							VOLU	ME A	ccou	NTING	G (bbls)	
HTHP Filtrate (cm/30 min) @ 300 °F			4.8		4.8	Surface	10 3	4/4			()'	Prev.	Total	on Loc	ation	3109.2	
HTHP Cake T	hickness ((32nds)		2.0		2.0	Int. Csg.	7 5/	8			()'	Trans	ferred	In(+)/0	Out(-)	768.0
Retort Solids (Content			9.5%		9.5%	Prod.	5 1/	2 4.	.670	9,443	3' ()'		O	il Adde	ed (+)	91.8
Corrected Soli	ds (vol%)			7.2%		7.3%	Prod.	5	4.	.276	16,52	6' 9,4	43'		Barite	e Adde	ed (+)	40.5
Retort Oil Con	tent			68.5%		68.5%	Oper	n Hole S	Size 0.	.000	16,82	0'		Other Product			ct Usage (+)	
Retort Water 0	Content			22%		22%	AN	TRY &	RHEOL	.OGY		Water			r Added (+)			
O/W Ratio				76:24		76:24	annula	r	meas.	veloc	city fl		CD	L	eft on	Cuttin	gs (-)	0.0
Whole Mud Ch	nlorides (n	ng/L)		56,000		56,000	section	1	depth	ft/m	in r	eg lb/	gal		ı	Evap/	Cent	-22.0
Water Phase S	Salinity (p	om)		285,280		285,280									Lost	Retur	ns (-)	-1189.5
Whole Mud Al	kalinity, P	om		1.6		2.0								Est.	Total	on Loc	ation	2798.0
Excess Lime (lb/bbl)			2.1 ppb		2.6 ppb								Est. Lo	sses/C	Gains ((-)/(+)	0.0
Electrical Stab	ility (volts))		475 v		470 v								ВП	T HYD	RAUL	ICS D	ATA
Average Spec	ific Gravity	y of Solids	s	2.72		2.72								Bit H.S.I	Bi	tΔP	Nozz	les (32nds)
Percent Low G	Gravity Sol	ids		5.7%		5.7%												
ppb Low Gravi	ty Solids			47 ppb		47 ppb								Bit Impac	+ 1	zzle locity		
Percent Barite				1.5%		1.5%								Force		sec)		
ppb Barite				22 ppb		22 ppb	BIT D	ATA	Ма	anuf./Ty	ре	U6138	3					
Estimated Total	al LCM in	System	ppb				Size	Depth	n In H	ours	Foota	ge ROF	ft/hr	Motor/N	/WD	Calc	. Circ.	Pressure
Sample Taken	Ву			R. Bowlin	0	M.Meehan												
Remarks/Reco				_	Rig Activity:	· <u> </u>							_		_			

OBM RECEIVED: 3484 bbls / OBM RETURNED: 0

OBM LOSSES: (-1069bbls DAY) / (-1887bbls Cumulative)

OBM on surface: 2451bbls (Storage) / 347bbls (Active pits)

Run in with 5.5" casing from 14136' T 16809' at 50FPM landed. PU cement head and est. circ with approximetly 25% returns, RD casing crew while circ BU. Decrease MW from 9.3-9.0ppg. Decision was made to stage out of the hole to 16500' LD 5.5" casing to regain full returns (10-15% returns). Decision made to perform a two stage cement job, make up landing joint and land the casing/shoe at $\,$ 16526'. Pump first stage of cement @ 5BPH pumping 40bbls spacer and 141bbls cement, while displacing cement from the casing observed 60% returns. Built 17.0ppg OBM in slug pit to assit in obtaining injection rates, pump 80bbls 17.0ppg broke over at 1550PSI. Cement second stage (TOP JOB)

W P Y E C g G H O 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.	
carefully and may be used if the user so elects, however, no representation is made as to the	user so elects however no representation is made as to the

Report #20 TEL: (337) 394-1078

110 Old Market St. St Martinville, LA 70582

Skid Vol. 1951bbls @ \$65.00_79bbls @ \$10.00

Eng. 2: Rob Bowlin

Phone: 228-990-1055

O 1

WH 1:

Phone:

MIDLAND

432-686-7361

WH 2:

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.

WH #2

INCLUDING 3RD PARTY CHARGES

Rig Phone:

Daily Total

\$11,920.00

\$11,920.00

Cumulative Cost

\$238,363.32

\$366,565.07

Matt Meehan

E C g 0 2 1

Eng. 1:

Phone:

W 0 P 2

OUTSOURCE FLUID SOLUTIONS LLC.

0.0°

0' TVD

Operator				Contractor			County / Parish / Block			Engineer Sta		24 hr	ftg.		Drilled Depth			
MAG	NOLIA	OIL & C	BAS	PATTERSON Rig Name and No.			WASHINGTON State			01/16/21 Spud Date Cu			ent ROP		16,820 ft Activity			
	SINE D	4-H ST	01	itig ivaille ai	248			EXAS			/16/21	Curre	ant NOI		LD DP/ RD			
Report for				Report for			Field / OCS-G #						lating Rate		Circulating Pr	essure		
Bobby	y Gwin/	Kevin	Burt	To	ol Pusi	ner	GIDDIGNS			ОВМ			0 gpm					
	MUD	PROPER	RTY SPECIF	FICATIONS			MUD VOLUME (BBL)			PU	JMP #1		PUMP #2		RISER BOOSTER			
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits) bbl	Liner Siz	ze 5.	25 Line	er Size 4.	.75	Liner Size	4.75		
8.8-9.8	5-20	4-15	>400	±290K	<10 <15	<10	In Hole) bbl	Stroke	1	2 St	roke 1	12	Stroke	12		
				3/25/21			Active) bbl	bbl/stk	0.0	763 bi	ol/stk 0.0	625	bbl/stk	0.0625		
Time Sample	Taken						Storage)		stk/min	1	st	k/min		stk/min			
Sample Locati	ion			NO MUD			Tot. on Lo	cation) bbl	gal/min	1	0 ga	ıl/min	0	gal/min	0		
Flowline Temp	oerature °	F						PHHP =	0		CIRCUL	ATION D	ATA					
Depth (ft)											Wash	out =		Pump	Efficiency	= 95%		
Mud Weight (բ	opg)						Drill String	Volun	ne to Bit	0.0 bbl	I St	rokes To B	it		Time To Bi	t		
Funnel Vis (se	ec/qt)		@ 0 °F				Disp.	Bottoms	Up Vol.	0.0 bbl	l Botto	omsUp Stk	5	Botto	msUp Time	ısUp Time		
600 rpm							0.0 bbl	Total	Circ.Vol.	0.0 bbl	l To	otalCirc.Stk	S	Tota	al Circ. Time			
300 rpm								DRILLI	NG AS	SEMBLY	DATA		s	OLID	S CONTR	OL		
200 rpm							Tubulars	OD (in.) ID	(in.) I	Length	Тор	Unit		Screens	Hours		
100 rpm											0'	0'	Shake	Shaker 1 200				
6 rpm												0'	Shake	r 2	200			
3 rpm												0'	Shake	r 3	200			
Plastic Viscosity (cp) @ 0 °F												0'						
Yield Point (lb/100 ft²) T0 =								CAS	ING &	HOLE DA	TA							
Gel Strength (lb/100 ft²) 10 sec/10 min						Casing	(in.)	Centrifuge 1 NOV										
Gel Strength (lb/100 ft²) 30 min						Riser						VOLUME ACCOUNTING (bbls)						
HTHP Filtrate (cm/30 min) @ 0 °F						Surface		Prev. Total on Location 2798.										
HTHP Cake Thickness (32nds)						Int. Csg.	7 5/8				0'	Transfe	erred I	In(+)/Out(-)	-2644.0			
Retort Solids Content							Prod.	5 1/2	4	.670	9,443'	0'		0.0				
Corrected Solids (vol%)							Prod.	5	4	.276 1	16,526'	9,443'		Barite	Added (+)	0.0		
Retort Oil Cor	ntent						Oper	n Hole Siz	e 0	.000 1	16,820'		Other Product Usage (+)					
Retort Water	Content						AN	NULAR (EOME	TRY & RI	HEOLOG	3Y	,	Water	r Added (+)			
O/W Ratio							annula	r r	neas.	velocity	y flow	ECD	Le	eft on (Cuttings (-)	0.0		
Whole Mud C	hlorides (r	ng/L)					section	1 0	lepth	ft/min		lb/gal						
Water Phase	Salinity (p	pm)						II.		l.			Pits/	Fracs	/ Trucking	-154.0		
Whole Mud Al	lkalinity, P	om											Est. 7	Total c	on Location	0.0		
Excess Lime ((lb/bbl)												Est. Los	ses/G	ains (-)/(+)	0.0		
Electrical Stab	oility (volts	.)											ВІТ	HYDF	RAULICS I	DATA		
Average Spec	ific Gravit	y of Solid	S										Bit H.S.I.	Bit	ΔP Noz	zles (32nds)		
Percent Low 0	Gravity So	lids																
ppb Low Grav	ity Solids												Bit Impact	_	zzle			
Percent Barite)						1						Force		ocity —— sec)			
ppb Barite							BIT D	ATA	M	anuf./Type)		1					
Estimated Tot	al LCM in	System	ppb				Size	Depth I	n H	ours F	ootage	ROP ft/h	r Motor/M	WD	Calc. Cire	c. Pressure		
Sample Taker	n By			R. Bowlin	0	M.Meehan	1											
Remarks/Reco	ommendati	ons:					Rig Activity:		•	ı			•		•			
OBM REC	Transfer volumes owned d laying th	red +/- 2 are as foliscounte e down t	384bb ollows d OBN he ren	ls/8.8-9.0 1951bbls I and retunainder of	oppg total 20 \$65 20 urned 20 drivers of the driv	al OBM to 5.00, 79bb 60bbls to Il pipe. Th	I rig pits an the Castle ols at \$10.0 NewPark Me final mud arite, OBM	ewood 0, 35 //adis d repo	d pad. Sk 4bbls Mag onville. R ort will be	id gnolia ig crew is generated								
354bbls M	lagnolia (Owned L	GS Discou	nted OBN	VI		rig.						., 5=7					