KOLAR Document ID: 1716260

Confidentiality Requested:

Yes No

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No.:
Name:		Spot Description:
Address 1:		SecTwpS. R East West
Address 2:		Feet from North / South Line of Section
City: State: Z	′ip:+	Feet from _ East / _ West Line of Section
Contact Person:		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		□NE □NW □SE □SW
CONTRACTOR: License #		GPS Location: Lat:, Long:
Name:		(e.g. xxx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re-Entry	Workover	Field Name:
		Producing Formation:
Oil WSW SWD		Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR ☐ GSW		Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:		If yes, show depth set: Feet
Operator:		If Alternate II completion, cement circulated from:
Well Name:		feet depth to:w/sx cmt.
Original Comp. Date: Original 7	Fotal Depth:	
Deepening Re-perf. Conv. to E	EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to 0	GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
		Chloride content: ppm Fluid volume: bbls
_		Dewatering method used:
		Location of fluid disposal if bouled office.
		Location of fluid disposal if hauled offsite:
		Operator Name:
GOVV		Lease Name: License #:
Spud Date or Date Reached TD	Completion Date or	Quarter Sec TwpS. R
Recompletion Date	Recompletion Date	County: Permit #:

#### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II Approved by: Date:

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#### Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Molitor Oil, Inc.
Well Name	RICKARD M 1
Doc ID	1716260

## All Electric Logs Run

Compensated density/neotron
Dual induction
Micro
Sonic cement

Form	ACO1 - Well Completion
Operator	Molitor Oil, Inc.
Well Name	RICKARD M 1
Doc ID	1716260

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	214	Common POZ	200	na
Production	7.875	4.5	11.6	4623	H-Long	200	3% gas

<b>MORNING DRILL</b>	ING REPORT		
Sterling Drilling	Company, Rig #4	Well	site Geologist:
Box 1006, Pratt, Kansas	s 67124-1006	N	Max Lovely
Office Phone (620) 672-9	9508, Fax 672-9509		
Rig #4 Phone Numb	ers (Dog House)	IN USE	Toolpusher
Rig Cellular	(620) 388-4192	Yes	Lanny Saloga
Geologist Cellular	(620) 388-5995	Yes	C (620) 388-4193

Fax to: Mark Molitor												
# of Pages 1 Fax# N/A												
WELL N	IAME		Rickard	Rickard M #1								
LOCAT	ION		SE SE	NW NV	<u>/</u>							
SEC	30	TWP	29S	RNG	8W	СО	Kingman					
Molitor 8426 W Wichita	. North	ridge C		5								
ELEVATI	ON	G.L.	ELEVATION G.L. 1621 K.B. 1632 AP# 15-095-22									

On February 17th, 2023, Advantage Elevations Oilfield Surveyors staked the location. On February 21st, 2023, Mark Molitor, Tom Theis, and Lanny Saloga met at Rickard M #1 location to discuss layout prior to building location. Theis Dozer Service Inc. called Dig-Safe. Theis Dozer Service Inc. leveled location and dug earthen reserve pit starting on February 22nd, 2023 and finished the location on February 24th, 2023. Pumping water from Irrigation well located in Sec. 23-29S-9W; will lay out 3" polyline to location. SDC made spud call to KCC Disctrict #2 (Donna Sangster) at 8:15 AM on 02/28/23 for a 03/03/2023 spud date. Sunrise Oilfield Supplied 215'of 8-5/8" Surface Casing, along with Bradenhead.

Day	0	Date:	02/28/23	Tuesday	Currently 32°!	
Hauling loads f	rom Rice	County to the Rickard 'M'	#1 in Kingman	County at 7:00 A	AM. The crews will rig up today. Plan to Spud	on 03/03/2023!
*Plan to move	<mark>in and ri</mark> g	up today on the Rickard 'N	<mark>Л' #1 on 02/28</mark>	8/23. Plan to spu	ld on March 3rd, 2023 to give the rig crew time o	<mark>off!                                   </mark>
Day	0	<u>Date:</u>	03/01/23	Wednesday	Currently 38°!	
Rigged up and	Idle at 7:	00 AM. Plan to finish up so	me maintenar	nce today.		
Ran 0.00 Hour	s, Down 2	24.00 Hours (10.00 Hrs Mo	ve to location	and Rig Up, 2.00	Hrs Mix Mud/Fill Water Tank, 12.00 Hrs Drywa	tch Rig).
Day	0	Date:	03/02/23	Thursday	Currently 25°!	
Rigged up and	Idle at 7:	00 AM. Plan to finish up so	me maintenar	nce today.		
Ran 0.00 Hour	s, Down 2	24.00 Hours (10.00 Hrs Re	place Furnace	and wiring, 2.00	Hrs Rig unattended, 12.00 Hrs Drywatch Rig).	
Day	1	Date:	03/03/23	Friday	Currently 31°.	Basket Order - 2,3,4,1!
Getting ready	to Spud	Well at 7:00 AM. Drilled	0' in 24.00 h	nours.	Will Spud on well early this morning!	

Ran 0.00 hours, Down 24.00 hours - (12.00 Hrs Rig Was Down w/o a drywatcher, 12.00 Hrs Drywatch Rig).

<b>MORNING DRILLIN</b>	IG REPORT				Fax to:		Mark I	<u> Molitor</u>				
Sterling Drilling C	Company, Rig #4	Wel	lsite Ge	ologist:	# of Pag	ges	1	Fax#	N/A			
Box 1006, Pratt, Kansas 6	67124-1006		Max Lov	ely	WELL N	AME		Rickar	d M #1			
Office Phone (620) 672-950	08, Fax 672-9509				LOCAT	ION		SE SE	NW NN	/		
Rig #4 Phone Number	s (Dog House)	IN USE	Toolpu	ısher	SEC	30	TWP	29S	RNG	8W	CO	Kingman
Rig Cellular	(620) 388-4192	Yes	Lanny	Saloga	Molitor	Oil, Inc	<b>3.</b>					
Geologist Cellular	(620) 388-5995	Yes	C (620)	388-4193	8426 W	. North	ridge (	Ct.				
					Wichita	, Kans	sas 67	205-160	<b>65</b>			
					ELEVAT	ION	G.L.	1621	K.B.	163.	2 AP#	15-095-22352-00-00

	1	igsquare	ļ								<u>7205-1665</u>					
		Ш						ELEVAT	ION	G.L.	1621 F	K.B.	1632 A	P# '	15-095-22352-00-0	0
On February 17th																
Rickard M #1 loca										•						
reserve pit startin	g on Februa	ary 22nd,	, 2023 and	d finished t	the location	າ on I	February	24th, 202	3. Pun	nping w	ater from I	rrigation	well loca	ated in	Sec. 23-29S-9W	; will lay
out 3" polyline to	location. S	DC made	e spud cal	ll to KCC D	isctrict #2 (	Doni	na Sangs	iter) at 8:1	5 AM	on 02/2	8/23 for a	03/03/20	23 spud	date.	Sunrise Oilfield	
Supplied 215'of 8	-5/8" Surfa	ce Casing	, along wi	ith Braden	head.											
	_															
Day 6	5	Date:		03/08/23	Wednesda	'ay	Current	ly 40°!		Short	Trip (25)	Stnds (3,	937'-2,3	19'). 🧏	Strap Out - <u>0.89</u>	9' Long!
TIH w/ DST #1 at 3	937' at 7:0	0 am. Dr	rilled 286'	in 24 hour	s.		Survey	at 3,937' -	1.00°	!	DST #1 -	Swope/H	lertha (	3,852'	- 3,937').	
Ran 13.75 hours, D	own 10.25	hours (0.	.75 Hr Rig	g Check, 1	.25 Hrs Co	nnec	tions, 0.	75 Hr CFS	at 3,8	73', 0.7	5 Hr CFS a	at 3,906',				
1.25 Hrs CFS at 3,9						0.25	Hr Drop	Survey, 2.	.25 Hrs	s TOOH	for DST #	1; Strap C	Out,			
0.75 Hr Make up D																
Mud Properties: Cl									LCM 3							
Bit No. 1: 7-7/8" JZ											< Last 24				Mud Cost	
Day 7	_	Date:			Thursday			tly 49°; lig					o; TIH in	ıw/al	Rerun (SDC) B	it @3,937
Drilling at 4,125' at											off reseve					
Ran 12.50 hours, I																
1.75 Hrs TOOH w/																
Mud Properties: Cl			-											_		
Bit No. 2: 7-7/8" RF	-								Hrs.	15	< Last 24			44	Mud Cost	<u>\$12,87</u>
Day 8		Date:		03/10/23	-		Currentl	•				DST #3 - I	Wississi	ippi (4,	,214' - 4,239').	1
TOOH for DST #3 a								- Mississi								
Ran 5.75 hours, Do			U													
0.75 Hr Make up D				,		,				,	Ir Lay Dow	n DST To	ols, 2.25	Hrs T	TH w/ Bit; Brk	
Circ at 2500' & 360											<b>.</b>		_			
Mud Properties: Cl																
Bit No. 2: 7-7/8" RF	_							2' in 18.25 : <b>ly 45°</b> and			< Last 24	-KUP- /-	1/0 >	42	Mud Cost	\$14,43
Drilling at 4 435' at		Date:			Saturday		Surrent	y +∪ and	croudy							
Drilling at 4,435' at					E0 U- 0	ne .	one 0 =	0 Uz TOO:	160.5	OT #0	0.50 11.11	den DO	тт- '	4	Hro TILLIAN DOT	. 40
Ran 12.00 hours, D 3.00 Hrs DST #3, 1																#3,
Mud Properties: Cl				,											. ,	. 65
Bit No. 2: 7-7/8" RF											< Last 24			39	Mud Cost	
Day 10	-	Date:		03/12/23			Current				ey at 4,509				5000	<u> </u>
Drilling at 4,542' at	_				Januay			- Viola (4,	452' -				Savinge	starte	ed at 2:00 AM!	
Ran 5.75 hours, Do					50 Hr Conn											n DST #4
0.75 Hr Make up D																
2500' & 3800'. 1.00										, , , , , , , , , , , , , , , , , , , ,	, _ 5		,		, 0.	
Mud Properties: Cl		,		, ,	3 . (		,	hl. 5.5K L	CM 4#	: Wt. on	Bit - 42K,	RPM - 60	, Pump	Pressu	ure - 1030, SPM	- 65.
Bit No. 2: 7-7/8" RF											< Last 24			38	Mud Cost	
Day 11		Date:		03/13/23	Monday		Current	ly 27°!				RTD - 4,6	34' at 5:	15 AM	on 03/13/23!	
Drop Survey at 4,6	34' (RTD) a	t 7:00 am	n. Drilled	92' in 24 h	ours.		DST #5	- Simpsoi	ı (4,54	10' - 4,5	92').					
Ran 5.00 hours, Do												4,559', 1.5	0 Hrs C	FS at	4,592',	
1.75 Hrs TOOH for	DST #5, 0.	50 Hr Ma	ake up DS	ST tools, 1.	75 Hrs TIH	1 w/ D	OST #5, 2	2.00 Hrs D	ST #5,	, 2.75 H	rs TOOH v	v/ DST #5	, 0.50 H	r Lay [	Down DST Tools	s,
2.50 Hrs TIH w/ Bit;	Brk Circ at	t 2500' &	3800', 1.0	00 Hr CTC	H at 4,592'	', 1.5	0 Hrs Cl	TCH at 4,6	34', 0.2	25 Hr Di	rop Survey	·).		•		
Mud Properties: Cl	nemical/Pa	c - Wt. 9.	1, Vis. 62	, PV/YP 15	5/16, WL 8.	8, pl	1 10.5, C	hl. 6K LCI	VI 4#: \	Vt. on E	<u>3i</u> t - 42K, R	PM - 60, I	Pump <u>Pı</u>	ressure	e - 1040, SPM -	65.
Bit No. 2: 7-7/8" RF	TRX HC-5	517, SN#7	71132, (2	-16's, 1-18	3), in at 3,93	37', d	Irilled 69	7' in 41.00	Hrs.	18	< Last 24	-ROP- 7-	7/8">	37	Mud Cost	\$18,42
									-	-	_					

REFERENCE WELLS FOR STRUCTURE  A Pickrell Molitor 'A' #1 NW NW Sec. 30-29-8W  B Molitor Oil Molitor 'R' #1 W/2 NW NW SW Sec. 30-2	3297 -1 3285 -1 3297 -1 3508 3506 -1 3883 3884 -2 3883 3884 -2 3916 3918 -2 4117 4117 -2 4117 4216 -2 ok 4369 4371 -2 SD 4545 4547 -2	TRUCTURAL POSI	ITD 4634   ITD 4634	O.	Max R. Lovely  GEOLOGIST'S REPORT
REMARKS.	-769 -1654 -1667 -1879 -2246 -2277 -2479 -2563 -2737 -2874 -2916	URAL POSITION	SING PAIL SURVEYS  GEND	ELEVATIONS A A A	
DRILLING TIME PER Rate of Penetrat	Anhydrite Salt Sandstone  IN MINUTES FOOT	T CLUMOLOGY	SAMPLE DESCRIPTIONS	hert OIL SHOWS	Dolomite  REMARKS  3-5-2023
	240	00	SLTSTN, GRYCMT, SCTMICA, SOFT, VG Ø,NS  SS,WHTCMT, CLR FINE GRNS, SOFT, VG Ø, NS  SS,WHT CMT, CLR GRNS, CRS XTIN CMT, VG INT GRNLRØ, SL HRD NS		7:AM 3-6-2023 DRLG@3211
			S. GRY, FXTLN, HRD, TITE NS  A.A.  SS.CLR, MED GRNS, PCMT, YG Ø, NS  SS.CLR, CRS, XTLN CMT, SL HRP, PCMT'D, VG Ø, NS		
	350 LAWSIN 3508 -1	876	SH, GRY SS, CLRGRNS, SUB ANG, FAIR CMT'D, MHRD, FAIR Ø, NS  SS.CLR, ANG GRNS, FAIR CMT, MHRD, FAIR Ø, SCT MKA, NS  A.A.  S.BRN, FXTLN, VHRD, DNS, TITE, NS  A.A.  S.WHT, CRM, FXTLN, HRD, PSCT XTLN Ø, NS		
	360	00	S. TAN, BRN, LTGRY, VFXTLN, SL DNS, HRD, NO VISØ, NS  N.A.  US, LTGRY, VFXTLN, DNS, YHRD, TITE, NS  S. BOFF, FXTLN, DNS, TITE, NS  VHRD, TITE, NS  S, CRM, WH+, FXTLN, MHRD, VP PPØ, NS		
	c		SHIGRY  S, BRW, TAN, GRY, VFXTLN,  DNS, TITE, NS  S, TAN, F+M XTLN, MED HRD,  FOSS, FAIR XTLN PINS  A.A.  STRKY PPØINS  SH, BLK, CARB  S, TAN, BUFF, F XTLN, HRD,  DNS, TITE, F FRAC'D, NS		7:AM 3-7-2023 DRLG @ 3651'
	370		S.C.RM, VFXTLN, SOFT-> SCHRD, SLDNS, NO VIS BINS  AA.  S.TAN, VF XTLN, V DNS, V HRD.  TITE, NS  CHALK  S.G.RY, FXTLN, DNS, HRD,  TITE, NS  A.A.  AA.		MUD CHECK VIS: 55 WT: 9.1 CHLOR: 3,200 LCN: 4 FILT: 8.8
	380		SHIBLK, DKGRY  SITAN, VFXTLN WCRS EDGE  XTLS, MOSTLY TITE, HRD, NS  SICRM, FXTLN, MHRD,  NO APPP, 2 pcs W DD EDGE SW,  NO ODOR, NS FO  A.A. NS  LHT, BRN, OPAQ, SHARP, NS  LPC FRAC W/ FLUOR STN NSFO  MHRD, SCT FLUOR STRKS, FEW  PP FLUOR FOSPTS ON BRK,  NO ODOR  SIBUFF, VF XTLN, DNS, V HRD,  TITE, NS	2.pes pb sin Fluor sin ser flu Fo s Pis No obor	DST #1 3852 - 3937 30-45-45-60
C.E.S	25" Swop 3883-2 390 45" ABERTHA 3916-2 SWOP 3883-2 ABERTHA 3916-2	251	SH, GRN, RED. SH, GRN, RED. SH, BLK, CARB  S. TAM, WHT, M XTLN, SOFT. G STRKY Ø, NS  S. TAN, FXTLN, M HRD, G XTLN Ø G INT XTLNØ, GS FLOUR FO ON BRK, Y LT ODOR  LS, TAN, CRM, FXTLN, HRD, NO VIS Ø, NS  SH, BLK, CARB, Y HRP, NO GAS S, BRN, FXTLN, FILLED OOC'S, V HRD, DD FLUOR STN, NS FO, NO ODOR, TITE  S, BRN, M-CRS XTLN, G XTLNØ PCS OOC W/SL DD FLUOR STN, NO PO, NO ODOR	FLVOR FO V LT ODOR	IF: BOB 27" ISI: NO BB
		)O	L.S. WHT, CRM, TAN, F XTLN, HRD, TITE, NS  L.S. TAN, BRN, M XTLN, SOFT, VA XTLMO, NO SHO, NO OPOR  S. GRY, DK BRN, F XTLN, V HRD, DNS, TITE, NS  SH, DK GRY, V SL SLTY SH, LT GRY, S TICKY  S. TAN, F XTLN, LA PLOIS W/N, S. M HRD, NO VIS Ø. NS  S. TAN, WHT, HRD, F + M XTLN, NO VIS Ø. NS  S. LT GRY, VF XTLN, DNS, HRD, THE, NS  SH, GRY, SL FISSLE		
	410	0	S.CRM, VFXTLN, DNS, HRb,  TITE, NS  CHT, CRM/WHT, FRESH  SH, DK GRY  S.TAN, VF XTLN, V DNS, V HKD, FEW FOSS, TITE, NS  S,BRN, TAN, GRY, VF XTLN, V DNS, V HRD, TITE, NS  SH, DK GRY, GRN/GRY  S, GRY, DNS, VF XTLN, HRD, TITE, NS		
CAS CAS	C. C	SEE AAA	CHT, BRN, FOSS, OPAQ, SHARP  SH, DK GRY, SNDY, SL CARB  SLTSTN, GRY  LS. GRY/BRN, VFXTLN, DNS  TITE, NS  SGRY, P-VF XTLN, V HRD,  NO VIS Ø, NS  SH, GRY  LS. GRY, F XTLN, HRD, DNS,  TITE, NS  SH, GRY, F XTLN, HRD, DNS,  TITE, NS  SH, GRN, GRY, RED		7:AM 3-9-2023 DRLGQ 4122'  MUD CHECK FILT: 8.8 WT: 9.2 CHLOR: 41,000 LCM: 41 VIS:56  DST #2 4202-4212 30:30:30:30 IF: SURF BLO ISI: NO BB FF: DEAD FSI: NO BB
	420 Mississ 4204 - 2	2,572 \( \triangle \) \( \tria	Pes SCT FRACS, SL SHOGAS, G. Obor  CHT, CHINA WHT, DNS, FRESH, SMELL WET.  CHT, TAN FRESH, SCT FOSS, SHARP, NS  A.A.	G ø ÞoR G S F Ø BLEED S S G	FP: 12-14, 13-13 SIP: 26-19 HP: 2046-2050   133 UNIT KICK  7:AM 3-10-2023 DST#3@4239 MUD CHECK VIS: 64 WT: 9.3 CHLOR! 5,000 LCM: 3 FLT: 9.2  DST#3 4214-4239 20-45-20-90
	430		CHT, WHT, GRY, CLEAN, FRESH  NS  LS, TAN, BRN, F XTLN, HRD,  TITE, NS  LS, LT GRN, TAN, BRN, HRD,  PXTLN Ø, NS  SH, BURG, GRN  SLTSTN, BUR, RED, LG GRNS  LS, CRM, LTGRY, VF XTLN, V HRD,  DNS, TITE, NS  A.A.  SH, GRN, GRY  CHT, WHT, CHINA WHT, FRAC'D,  FRESH, NS		IF: GTS 16mm 151: 74"BB  FF: 8mm + HYDRO FS1: 114"BB  REC: 3553 G IP  127' SLOCGM  15'. G, 2'. OIL  63' SLWCOGCM  20'. G, 15'. OIL, 3'. W  189' SLMCOCW  5'. OIL, 93'. W  FP: 84-220.246-331  SIP: 437-437  HP: 2043-2038
	440		LS. GRY, DKTAW, VE XTLN, HRD.  DNS, TITE CHT, GRY, SHARP, NS  SH, GRY  SH, GRY  SH, GRY  SH, CRY  SH, LT GRY  A.A		INCR BACKGROUND GAS  - 7:Am 3-11-2023 DRLG @ 4433'
	450 VIOLA 4505- US'' DEV Y	2873 A A A A A A A A A A A A A A A A A A A	SH, GRY, V HRD  SH, BLK, PYRITIC  SH, BK, GREASY'  SH, BURG / BLK ORANG PLUOR MINS YN  SS, MED, CLR, RNA, TANCMT, V HRD TO SL FRIABLE, G INT Ø, SFO.BRK G FLUOR STNG, LT ODOR, GS GAS CHT, WHT, FRESH	llzu KICK KICK IGSU SFO GSGAS WTODOR	FP: 15-53, 52-104 SIP: 1573-1572 HP: 2177-2156
G/S	\$\frac{\simp_s}{\sigma_s} \frac{\simp_s}{\sigma_s} \frac{\simp_s}{\simp_s} \frac{\simp_s}{\si	2913	LS.TAN, BRN, VF XTLN, V HRD, DNS, TITE, CHT, TAN, SLOPAQ, FRESH, SHARP, NS CHT TAN, OPAQ, SHARP, NS CHT TAN, OPAQ, SHARP, NS CHT TAN/WHT, SHARP, FRESH, SS, CLRGRNS, SUBRND & SUB ANG, PCMT'D, GINT GRNLRØ, WHT, BR LT GRNCMT'S, SCT CHTGRNSWIN NS SS.CLRGRNS, TAN CMT, HRD, FRIRØ, NS SS, CLR, LG GRNS, VP CMT'D, MUCH UNCONSOL, SUBRND, NS SS, LG CLR, RND GRNS, PCMT'D, GS FLVOR FO, VGØ, OPOR SH, RED, SNDY SH, GRY SS, CLRGRNS, LG, RND, FAIR CMT, HBUN PYR WIN, GØ, NS SS, CLR GRNS, LT GRN CMT, GLAVC, HRD, W CMT'D, G Ø, NS SS, CLR GRNS, LT GRN CMT, GLAVC, HRD, W CMT'D, G Ø, NS	4SF0	7: AM 3-12.2023 DRLG & 4542'  MUD CHECK VIS: SO CHLOR: 6,000 LCM: 3 FILT: 8.8  DST#5 4540.4592 10-30-10-90 IF: BOB I MIN. 272" ISI: BOB 21 MIN. 272" FSI: 3"BB TOOL: 1%,0,94%,W REC: 2520' GW-100%, W 267' MUD 189' SLGCMW-10%, SOMW FP: 888-1216, 1275-1496 SIP: 1621-1625
	C DEV 1/2		GLAVC, HRB, WCMTD, GB.NS SH, GRY  SH, GRY  MUD-CO: BRAD BORTZ DIAMOND TESTING: RICKY RAY ELI LOGGING		SIP: 1621-1625 HP: 2198-2177 —  7:AM 3-13-2023 OUT FOR LOGGINGE 4634' MUD CHECK VIS: 96 WT: 9.2 CHLOR: 7,500 LCM: 3 FILT: 9.2
DRILLING TIME	0" 15" 20" 25" Minutes/Foot DEP	LITH	SAMPLE DESCRIPTIONS	OIL SHOWS	



Lease: Rickard "M" #1

Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

80

2023

DST #1

Formation: Swope/Hertha Test Interval: 3852 -

Total Depth: 3937'

3937

Time On: 05:56 03/08

Time Off: 14:10 03/08

Time On Bottom: 08:25 03/08 Time Off Bottom: 12:10 03/08

Electronic Volume Estimate:

368

1st Open Minutes: 30 Current Reading:

12.8" at 30 min

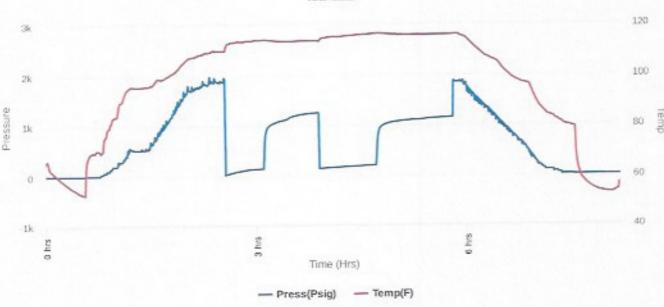
Max Reading: 12.8"

2nd Open Minutes: 45

Current Reading: 13.5" at 45 min

Max Reading: 13.5\*

Inside Recorder





Lease: Rickard "M" #1

Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN

State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE	
March	
08	
2023	

DST #1

Formation: Swope/Hertha Test Interval: 3852 - Total Depth: 3937'

3937"

Time On: 05:56 03/08

Time Off: 14:10 03/08

Time On Bottom: 08:25 03/08 Time Off Bottom: 12:10 03/08

ο.	~	-	-	7.41	-	ø.	e.	и
R	u	w	u	w	Ľ	В.	u	u

Foot	BBLS	Description of Fluid
146	1.498106	M
126	0.70071134	MCW
126	0.69048	SLMCW

Gas %	Oil 96	veiter 50	Muu 70
0	0	0	100
0	0	75	25
0	0	97	3

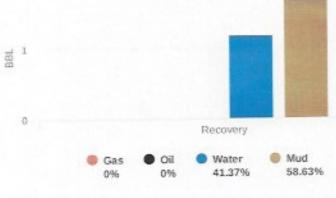
Total Recovered: 398 ft

Total Barrels Recovered: 2.88929734

4	Reversed Out
+	NO

Initial Hydrostatic Pressure	1863	PSI
Initial Flow	18 to 136	PSI
Initial Closed in Pressure	1250	PSI
Final Flow Pressure	141 to 202	PSI
Final Closed in Pressure	1154	PSI
Final Hydrostatic Pressure	1858	PSI
Temperature	117	°F
Pressure Change Initial	7.7	96
Close / Final Close		

## Recovery at a glance



GIP cubic foot volume: 0



Lease: Rickard "M" #1

Operation:

Test Complete

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March 08 DST #1

Formation: Swope/Hertha Test Interval: 3852 -

Total Depth: 3937'

3937

Time On: 05:56 03/08

Time Off: 14:10 03/08

Time On Bottom: 08:25 03/08 Time Off Bottom: 12:10 03/08

#### BUCKET MEASUREMENT:

2023

1st Open: 1/4 in. blow building. BOB in 27 mins.

1st Close: No blow back.

2nd Open: 1/4 in. blow building. BOB in 39 mins.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 97% Water 3% Mud

Ph: 7

Measured RW: .36 @ 64 degrees °F

RW at Formation Temp: 0.206 @ 117 °F

Chlorides: 60,000 ppm



Lease: Rickard "M" #1

Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN

State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API#: 15-095-22352

DATE March

80 2023 DST #1

Formation: Swope/Hertha Test Interval: 3852 - Total Depth: 3937'

Time On: 05:56 03/08

Time Off: 14:10 03/08

Time On Bottom: 08:25 03/08 Time Off Bottom: 12:10 03/08

## Down Hole Makeup

Heads Up: 30.27 FT

Packer 1:

3846.8 FT

Drill Pipe:

3599.64 FT

Packer 2: 3851.8 FT

Well Bore Size: 7 7/8

Bottom Choke: 5/8"

ID-3 1/4

Top Recorder: 3836.22 FT

Weight Pipe: FT

Bottom Recorder: 3910 FT

ID-2 7/8

ID-2 3/8

Collars: 249.86 FT

Surface Choke: 1"

Test Tool: 33.57 FT

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 85.2

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 63.7 FT

ID-3 1/4

4 1/2-FH

Change Over: 1 FT

Perforations: (below): 18 FT



Operation:

Company: Molitor Oil, Inc.

Lease: Rickard "M" #1

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

> 80 2023

DST #1

Formation: Swope/Hertha Test Interval: 3852 - Total Depth: 3937'

3937"

Time On: 05:56 03/08

Time Off: 14:10 03/08

Time On Bottom: 08:25 03/08 Time Off Bottom: 12:10 03/08

## Mud Properties

Mud Type: Chemical Weight: 9.1

Viscosity: 55

Filtrate: 8.8

Chlorides: 3,200 ppm



Operation:

Test Complete

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

March 09

2023

DST #2 F

Formation: Mississippi Test Interval: 4202 -

Total Depth: 4212'

4212"

Time On: 17:28 03/09

Time Off: 00:26 03/10

Time On Bottom: 19:52 03/09 Time Off Bottom: 21:52 03/09

Electronic Volume Estimate:

3"

1st Open Minutes: 30 Current Reading:

.1" at 30 min

Max Reading: .15"

1st Close Minutes 30

0" at 30 min

Max Reading: 0

2nd Open Minutes: 30

Current Reading:

0" at 30 min

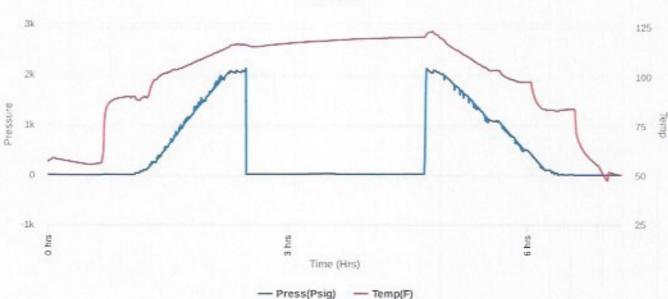
Max Reading: 0"

2nd Close Minutes: 30

0" at 30 mir

Max Reading: 01

Iraide Recorde





Lease: Rickard "M" #1

## Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN

State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March 09

2023

DST #2

Formation: Mississippi Test Interval: 4202 - Total Depth: 4212'

Time On: 17:28 03/09

Time Off: 00:26 03/10

Time On Bottom: 19:52 03/09 Time Off Bottom: 21:52 03/09

0.005

Recovered

BBLS Foot 0.00548 Description of Fluid

Oil % Gas % 0

GIP cubic foot volume: 0

Water %

Mud % 100

Total Recovered: 1 ft

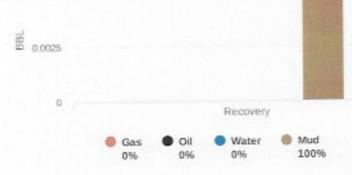
Total Barrels Recovered: 0.00548

rersed	
INO	

Initial Hydrostatic Pressure	2046	PSI
Initial Flow	12 to 14	PSI
Initial Closed in Pressure	26	PSI
Final Flow Pressure	13 to 13	PSI
Final Closed in Pressure	19	PSI
Final Hydrostatic Pressure	2050	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	27.2	96

Recovery at a glance

0





Operation:

# Company: Molitor Oil, Inc.

Lease: Rickard "M" #1

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

09

DST #2 Formation: Mississippi Test Interval: 4202 -

Total Depth: 4212'

4212"

Time On: 17:28 03/09

Time Off: 00:26 03/10

Time On Bottom: 19:52 03/09 Time Off Bottom: 21:52 03/09

#### BUCKET MEASUREMENT:

2023

1st Open: Weak, surface blow building slightly.

1st Close: No blow back. 2nd Open: No blow. 2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



Operation:

## Company: Molitor Oil, Inc. Lease: Rickard "M" #1

SEC: 30 TWN: 29S RNG: 8W County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE

March 09 2023

DST #2

Formation: Mississippi

Test Interval: 4202 - Total Depth: 4212'

4212"

Time On: 17:28 03/09

Time Off: 00:26 03/10

Time On Bottom: 19:52 03/09 Time Off Bottom: 21:52 03/09

### Down Hole Makeup

Heads Up: 32.78 FT

Packer 1: 4197 FT

Drill Pipe: 3952.35 FT Packer 2: 4202 FT

ID-3 1/4

Top Recorder: 4186.42 FT

Weight Pipe: FT

Bottom Recorder: 4205 FT

ID-2 7/8

Well Bore Size: 7 7/8

Collars: 249.86 FT ID-2 3/8

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 10

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/4

Change Over: FT

Perforations: (below): 8 FT

4 1/2-FH



Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

09

2023

DST #2

Formation: Mississippi Test Interval: 4202 - Total Depth: 4212'

4212"

Time On: 17:28 03/09

Time Off: 00:26 03/10

Time On Bottom: 19:52 03/09 Time Off Bottom: 21:52 03/09

## Mud Properties

Mud Type: Chemical Weight: 9.2

Viscosity: 56

Filtrate: 8.8

Chlorides: 4,000 ppm



Operation:

SEC: 30 TWN; 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March 10

2023

DST#3 Formation: Mississippi Test Interval: 4214 -

Total Depth: 4239'

4239"

Time On: 07:14 03/10

Time Off: 15:05 03/10

Time On Bottom: 09:23 03/10 Time Off Bottom: 12:18 03/10

Electronic Volume Estimate:

N/A

1st Open Minutes: 20 Current Reading:

GTS" at 20 min

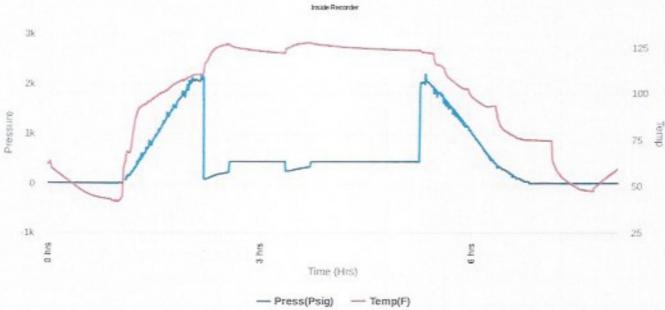
Max Reading: GTS"

2nd Open

Minutes: 20 Current Reading:

GTS" at 20 min

Max Reading: GTS"





Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE	
March	
10	
2023	

DST#3

Formation: Test Interval: 4214 -Mississippi

Total Depth: 4239'

4239"

Time On: 07:14 03/10

Time Off: 15:05 03/10

Time On Bottom: 09:23 03/10 Time Off Bottom: 12:18 03/10

## Recovered

Foot	BBLS
3553	36.457333
127	1.303147
63	0.646443
189	1.939329
313	2.01711234

Description of Fluid
G
SLOCSLGCM
SLWCSLOCGCM
SLMCSLOCW
SLMCW

2043

84 to 220

437

246 to 331

437

2038

128

0.0

Gas %	Oil %	Water %	Mud %
100	0	0	0
15	2	0	83
20	15	3	62
0	5	93	2
0	0	99	1

Recovery at a glance

Total Recovered: 4245 ft Total Barrels Recovered: 42.36336434

Initial Hydrostatic Pressure

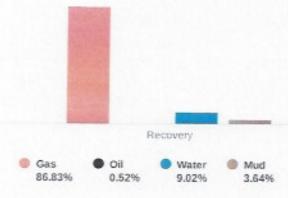
Initial Flow

I	Reversed	Out
l	NO	

Revers	sed Out
N	0

96

NO	
PSI	
PSI	最 20
PSI	
PSI	
PSI	a
PSI	
°F	
04	



GIP cubic foot volume: 206.51306

Initial Closed in Pressure
Final Flow Pressure
Final Closed in Pressure
Final Hydrostatic Pressure
Temperature
Pressure Change Initial
Close / Final Close



Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March 10

DST#3

Formation: Mississippi Test Interval: 4214 - Total Depth: 4239'

4239"

Time On: 07:14 03/10

Time Off: 15:05 03/10

Time On Bottom: 09:23 03/10 Time Off Bottom: 12:18 03/10

#### BUCKET MEASUREMENT:

2023

1st Open: 1 in. blow building. BOB in 30 secs.

1st Close: BOB blow back. 2nd Open: Gas to surface. 2nd Close: BOB blow back.

#### REMARKS:

Tool Sample: 100% Gas 0% Oil 0% Water 0% Mud

Ph: 7

Measured RW: .1 @ 51 degrees °F

RW at Formation Temp: 0.043 @ 128 °F

Chlorides: 110,000 ppm



County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

SEC: 30 TWN: 29S RNG: 8W

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

Operation:

DATE March

> 10 2023

DST #3

Formation: Mississippi Test Interval: 4214 - Total Depth: 4239'

4239'

Time On: 07:14 03/10

Time Off: 15:05 03/10

Time On Bottom: 09:23 03/10 Time Off Bottom: 12:18 03/10

## Down Hole Makeup

Heads Up: 18.58 FT

Packer 1: 4209 FT

Drill Pipe: 3950.15 FT

Packer 2: 4214 FT

ID-3 1/4

Top Recorder: 4198.42 FT

ID-2 7/8

Weight Pipe: FT

Bottom Recorder: 4217 FT

Collars: 249.86 FT

Well Bore Size: 7 7/8

ID-2 3/8

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 25

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/4

Change Over: FT

Perforations: (below): 23 FT

4 1/2-FH



Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

10

2023

DST #3

Formation: Mississippi

Test Interval: 4214 - Total Depth: 4239'

4239"

Time On: 07:14 03/10

Time Off: 15:05 03/10

Time On Bottom: 09:23 03/10 Time Off Bottom: 12:18 03/10

## **Mud Properties**

Mud Type: Chemical Weight: 9.2

Viscosity: 56

Filtrate: 8.8

Chlorides: 4,000 ppm



Lease: Rickard "M" #1

Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March 10 2023

Orifice

0.25

DST#3

Formation: Mississippi Test Interval: 4214 - Total Depth: 4239'

4239"

Time On: 07:14 03/10

Time Off: 15:05 03/10

Time On Bottom: 09:23 03/10 Time Off Bottom: 12:18 03/10

## Gas Volume Report

Remarks: Gas sample taken 20 mins. into first flow. Hydrostaticed out on first flow.

PSI MCF/D Too weak to measure Weak

Time	Orifice	PSI	MCF/D	
5	0.25	Too weak to measure	Weak	
20	0.25	Too weak to measure	Weak	

MCF/D

Time

20

um 20

Time (minutes)



Operation:

SEC: 30 TWN; 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

March 11

2023

DST #4 Formation: Viola

Test Interval: 4452 -

Total Depth: 4509'

4509"

Time On: 15:14 03/11

Time Off: 00:43 03/12

Time On Bottom: 17:54 03/11 Time Off Bottom: 21:39 03/11

Electronic Volume Estimate: 1401' 1st Open Minutes: 30 Current Reading:

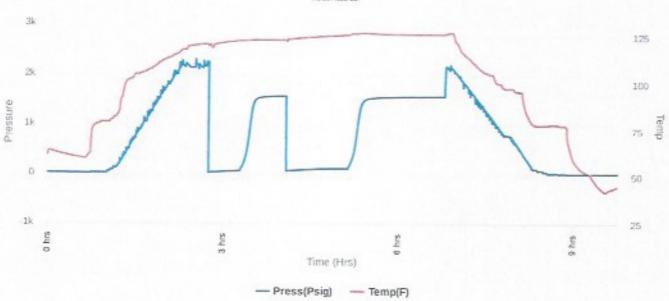
35.5" at 30 min

Max Reading: 35.5"

2nd Open Minutes: 60 Current Reading: 86.5" at 60 min

Max Reading: 86.5"

Inside Recorder





Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March 11 2023

Formation: Viola Test Interval: 4452 - Total Depth: 4509' DST #4

45091

Time On: 15:14 03/11

Reversed Out

NO

Time Off: 00:43 03/12

Time On Bottom: 17:54 03/11 Time Off Bottom: 21:39 03/11

#### Recovered

Eggs	BBLS
1081	11.04500034
240	1.3152

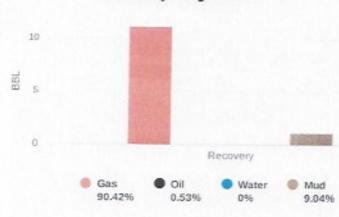
Total Recovered: 1321 ft Total Barrels Recovered:

1	2	2	C	0	2	0	0	0	
1	۷.	J	0	U.	Z	u	u	34	4

Initial Hydrostatic Pressure	2177	PSI
Initial Flow	15 to 53	PSI
Initial Closed in Pressure	1573	PSI
Final Flow Pressure	52 to 104	PSI
Final Closed in Pressure	1572	PSI
Final Hydrostatic Pressure	2156	PSI
Temperature	127	°F
Pressure Change Initial	0.0	96
Close / Final Close		

Description of Fluid Gas % Oil % Water % Mud % G 100 0 0 0 SLOCSLGCM 10 5 0 85

### Recovery at a glance



GIP cubic foot volume: 62.75057



Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

11

DST #4

Formation: Viola Test Interval: 4452 - Total Depth: 4509

4509"

Time On: 15:14 03/11

Time Off: 00:43 03/12

Time On Bottom: 17:54 03/11 Time Off Bottom: 21:39 03/11

#### BUCKET MEASUREMENT:

2023

1st Open: 1/4 in, blow building, BOB in 12 mins.

1st Close: No blow back.

2nd Open: 4 in, blow building, BOB in 30 secs.

2nd Close: 1/2 in. blow back.

#### REMARKS:

Tool Sample: 0% Gas 30% Oil 0% Water 70% Mud



Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

11 2023 DST #4

Formation: Viola Test Interval: 4452 - Total Depth: 4509'

4509"

Time On: 15:14 03/11

Time Off: 00:43 03/12

Time On Bottom: 17:54 03/11 Time Off Bottom: 21:39 03/11

### Down Hole Makeup

Heads Up: 3.39 FT

Packer 1: 4447.17 FT

Drill Pipe: 4173.13 FT Packer 2: 4452.17 FT

ID-3 1/4

Weight Pipe: FT

Top Recorder: 4436.59 FT

Bottom Recorder: 4487 FT

ID-2 7/8

Collars: 249.86 FT

Well Bore Size: 7 7/8

ID-2 3/8

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8\*

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 56.83

Anchor Makeup

Packer Sub: 1 FT

4 1/2-FH

Perforations: (top): 1 FT

Change Over: 1 FT

Drill Pipe: (in anchor): 31.83 FT

ID-3 1/4

Change Over: 1 FT

Perforations: (below): 21 FT

4 1/2-FH



State: Kansas

Drilling Contractor: Sterling Drilling

SEC: 30 TWN: 29S RNG: 8W

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

County: KINGMAN

Pool: Infield Job Number: 651 API #: 15-095-22352

Operation:

DATE March

11

2023

DST #4

Formation: Viola Test Interval: 4452 - Total Depth: 4509'

4509"

Time On: 15:14 03/11

Time Off: 00:43 03/12

Time On Bottom: 17:54 03/11 Time Off Bottom: 21:39 03/11

## **Mud Properties**

Mud Type: Chemical Weight: 9.2

Viscosity: 57

Filtrate: 8.8 Chlorides: 5,500 ppm



Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March 12

2023

DST #5

Formation: Simpson

Test Interval: 4540 -

Total Depth: 4592'

4592"

Time On: 13:13 03/12

Time Off: 22:52 03/12

Time On Bottom: 16:55 03/12 Time Off Bottom: 18:30 03/12

Electronic Volume Estimate: 4081

1st Open Minutes: 10 Current Reading:

272" at 10 min

Max Reading: 272"

Max Reading: 21.8°

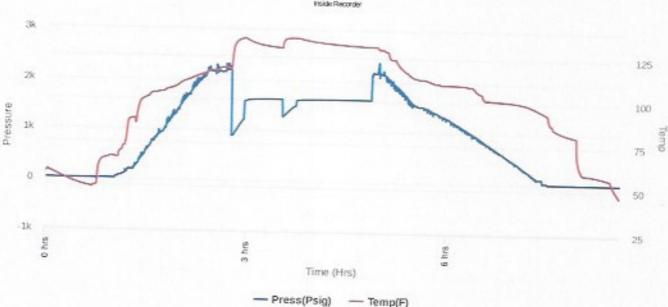
2nd Open Minutes: 10

Current Reading:

243" at 10 min

Max Reading: 243"

Inside Recorder





Operation:

Test Complete

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March 12 2023 DST #5 Formation: Simpson

Test Interval: 4540 -4592'

Total Depth: 4592

Time On: 13:13 03/12

Time Off: 22:52 03/12

Time On Bottom: 16:55 03/12 Time Off Bottom: 18:30 03/12

#### Recovered

FOOL	BBLS	
267	2.739687	
189	1.939329	
189	1.939329	
2520	24.66313934	

1

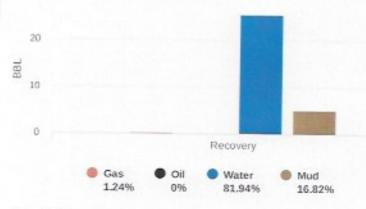
Gas %	Oil %	Water %	Mud %
0	0	0	100
10	0	0	90
10	0	50	40
0	0	100	0

Total Recovered: 3165 ft Total Barrels Recovered: 31.28148434

 	-
N(	)

Recovery	at	a	glance

Initial Hydrostatic Pressure	2198	PSI
Initial Flow	888 to 1216	PSI
Initial Closed in Pressure	1621	PSI
Final Flow Pressure	1275 to 1496	PSI
Final Closed in Pressure	1625	PSI
Final Hydrostatic Pressure	2177	PSI
Temperature	136	°F
Pressure Change Initial	0.0	96
Close / Final Close		



GIP cubic foot volume: 2.17767



Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

12 2023 DST #5 Formation: Simpson

Test Interval: 4540 -

Total Depth: 4592'

4592"

Time On: 13:13 03/12

Time Off: 22:52 03/12

Time On Bottom: 16:55 03/12 Time Off Bottom: 18:30 03/12

#### BUCKET MEASUREMENT:

1st Open: 1 in. blow building. BOB in 1 min.

1st Close: BOB blow back. 2nd Open: BOB Immediately. 2nd Close: 3 in. blow back.

#### REMARKS:

Tool Sample: 0% Gas 1% Oil 94% Water 5% Mud

Ph: 7

Measured RW: .45 @ 42 degrees °F

RW at Formation Temp: 0.154 @ 136 °F

Chlorides: 45,000 ppm



SEC: 30 TWN: 29S RNG: 8W County: KINGMAN

State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

Operation:

DATE

2023

DST #5

Formation: Simpson

Test Interval: 4540 - Total Depth: 4592'

4592"

March 12

Time On: 13:13 03/12

Time Off: 22:52 03/12

Time On Bottom: 16:55 03/12 Time Off Bottom: 18:30 03/12

## Down Hole Makeup

Heads Up: 11.13 FT Packer 1: 4535.2 FT

Drill Pipe: 4268.9 FT

Packer 2: 4540.2 FT

ID-3 1/4

Top Recorder: 4524.62 FT

Weight Pipe: FT

Bottom Recorder: 4577 FT

ID-2 7/8

Well Bore Size: 7 7/8

Collars: 249.86 FT ID-2 3/8

Surface Choke: 1"

Bottom Choke: 5/8"

Test Tool: 33.57 FT

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 51.8

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT

4 1/2-FH

Change Over: 1 FT

ID-3 1/4

Drill Pipe: (in anchor): 31.8 FT

Change Over: 1 FT

Perforations: (below):

16 FT

4 1/2-FH



Operation:

SEC: 30 TWN: 29S RNG: 8W

County: KINGMAN State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1623 EGL Field Name: Willowdale SE

Pool: Infield Job Number: 651 API #: 15-095-22352

DATE March

12

2023

DST #5

Formation: Simpson

Test Interval: 4540 - Total Depth: 4592'

4592"

Time On: 13:13 03/12

Time Off: 22:52 03/12

Time On Bottom: 16:55 03/12 Time Off Bottom: 18:30 03/12

## Mud Properties

Mud Type: Chemical Weight: 9.2

Viscosity: 50

Filtrate: 8.8

Chlorides: 6,000 ppm

# Mud-Co / Service Mud Inc.

2			316/26		7.		MUD	-				-	+			-					9	-	-	-	+	+	7	+	+	3/7 3720	+		3	2/28	het	DATE GEPTH	Stockpoint	Contractor	Well	Operator
SILLING			4.2814	Wichita	00 S. Me		CO / SE	Ì	1	1	1	1	Ť	T		Ť	Ħ		r	Г			$\neg$	$\neg$	$\neg$			$\neg$	_	9.1	$\neg$	9 0	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1	N S	меюнт	Pratt Ks.	Sterli	Ricka	Motitor Off
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ECAP			316/264-2814 Fax: 316/264-5024	202	#310		MUD-CO / SERVICE MUD INC.	Ī				1	T			T	П							24	5	17	22	00 1	2	17	(h	ω.	-	1		Wao	Date	20		
			)24				Ω										П							32	16	8	21	17	10	6	10	GT -	-	I	49	Macostr	50	84		l
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								Amount					1					-					19,356	19,366	18.422	17,491	14.936 DST	14 936	12.878 DST	12,758	10,602	9.391	7.521		0087	SALVYTVINO	426 FTMINRA	234 FTMINRA	Me	
								uni		Estimated Volume:	Reserve		1			1		Run Casing	Logs OX.	5 DST's.	LTD - 4636	RTD - 4634'.	Final:	Logs.	힉	Dig.	DST #3	Drig	DST #1	Drig.	Drla.	Drig.	Dria	Rig up spud			- 5			
Taxes	Trucking	Trucking Cost	Total Mud Cost					$\  \ $		d Volum	Pil, Chi							sing.	-		636"	634			samples.									bud	20					
	Surcharge	Cost	Cost							ne: 1,500 bbl	Reserve Pil, Chi content ppm:												DST # 5 AT 4592'	DST #4 AT 4509'	DST #3 AT 4238	DST #2 AT 4212	DST #1 AT 3937		Displaced at 3179	Gas defected @	Water well	Cal-120 ppm	Chl-100 ppm	Make up water	REHARKS AND TREATMENT		Total Depth			
								An	1		: 38,000 ppm												AT 4592"	T 4509	T 4238	T 4212"	T 3937"		81 3179	ed @	-	pm	mg	water	NEW		4	8	8	I
		1374.73	19355.98					Amount			ppm																		1	1566							4634" n		,	

				DELIVERY TICKET 136286									
	DDoGU DGDU S. Main, Suite 310 - Wichita, R	OGB (A)		The second second second second			F.O.B. WAREHOUSE D WELL SITE D	PREPAID  COLLECT	FINAL WELL TICKET				
SOLD	o molter oil			SHIPPED	-	rling 4	WELL NAME & NO	Rickord	m#1				
ADDR	The state of the s	and the same		SHIPPED	VIA -	3+33	COUNTY, STATE	Kingman					
CITY, 5	STATE, ZIP			ORDER N	0.	33198	SEC 30 TWN						
	PRODUCT		PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE		DUNT				
1.	UN# 1823 SODIUM HYDROXIDE - SOLI 8 II EMERGENCY CONTACT : C 1-800-424-9300 Customer Number: CCN65?	HEMTREC	50#	19	Sag								
2.	Mud-Co Gel		100#	140	Bag								
3.	Salt Clay		50#		Bag								
4.	Drill Starch		50#		Bag								
5.	Lime		50#	5	Вад								
6.	Cotton Seed Hulls		50#	300	Bag		District Control						
7.	Soda Ash	15	50#	35	Bag								
8.	Lignite		50#	20	Bag								
9.	Drill Pac		50#	10	Bag								
10.	Desco		25#	2	Bag	No. of the last			and the same				
11.	Co-Poly L		5gal	2	ВКТ								
12.	X-Cide 102W		5gal		вкт								
13.	Milguard		50#	10000	Bag								
14.	Flozan		25#	19.77 >	Bag	- and the							
15.	Barite		100#		Bag								
16.	Cedar Fiber		40#		Bag								
17.	Multi Seal		40#		Bag	12 4.1							
18.	SAPP		50#		Bag								
19.				100									
20.						The Live of							
21.													
22.		ARL TW											
	MATERIAL RECEIVED IN GOOD ORDER	TRANS	SPORTATIO	N CHARGE	s	SUB TOTAL							
	IN GOOD ORDER	TRUCK #	MILEAC	GE FI	ROM		Tan L						
	DATE RECEIVED		6			SALES TAX							
		Land Park	@										
	ST THE HOLD BEING		@			TRANSPORTAT	ION						
PURCHASE AUTHORIZED BY  TOTAL TRANSPORTATION CHARGES			N			TOTAL							

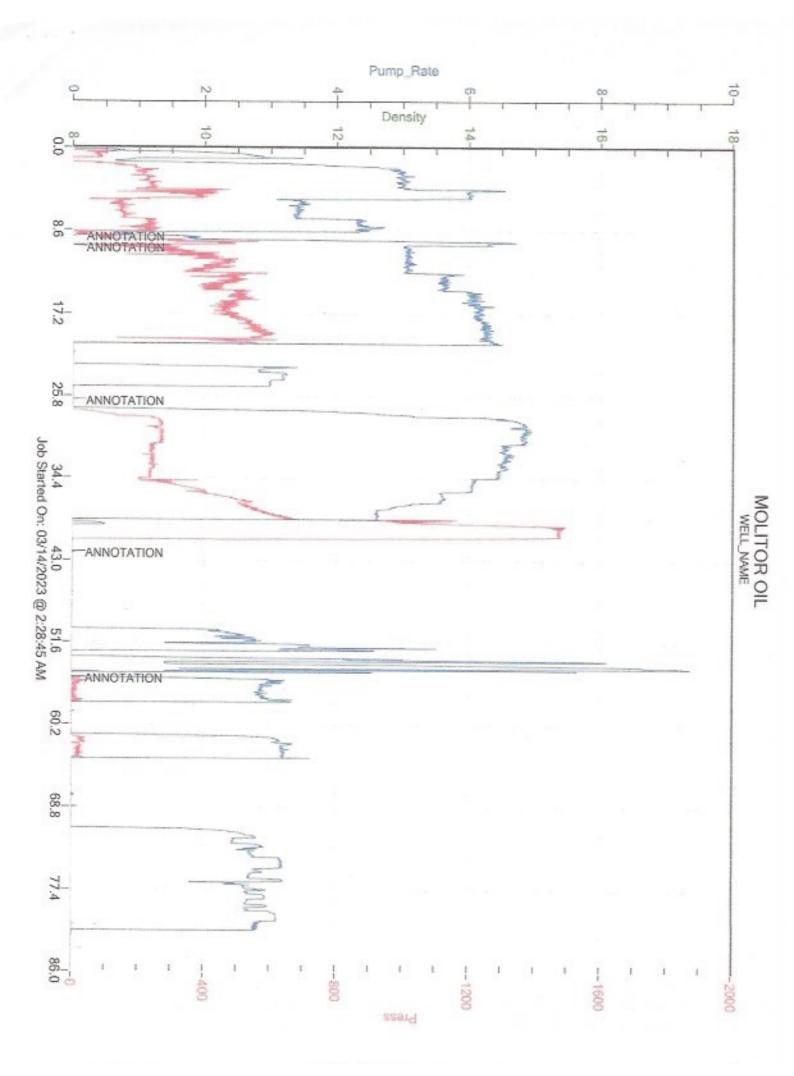
				DELI	VERY	RY TICKET 136285							
	DDoGU SEDU S. Main, Suite 310 - Wichita, K	033 <u>(</u> 2)		DATE SHIP	PED 2-25 IG WAREH	3 - 23 ouse	F.O.B.  WAREHOUSE D  WELL SITE D	PREPAID FINAL WELL  COLLECT  TICKET					
SOLD	10 reflom of			SHIPPED 1	10 Ste	erling 4	WELL NAME & NO	Rickard mil					
ADDR			HI B	SHIPPED	IN T	3+33	COUNTY, STATE	Kingman, KS					
CITY,	STATE, ZIP			ORDER NO	0.		SEC 30TWN 2	950 8W					
	PRODUCT		PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT AMOUNT PRICE						
1.	UN# 1823 SODIUM HYDROXIDE - SOLI 8 II EMERGENCY CONTACT : C 1-800-424-9300 Customer Number: CCN657	HEMTREC	50#	11	Bag								
2.	Mud-Co Gel		100#	420	Bag								
3.	Salt Clay		50#	102.000	Bag		7						
4.	Drill Starch		50#		Bag								
5.	Lime		50W		Bag								
6.	Cotton Seed Hulls		50#		Bag								
7.	Soda Ash		50#		Bag	14							
8.	Lignite	de Tall	50#	5	Bag								
9.	Drill Pac		50#		Bag								
10.	Desco		25#		Bag								
11.	Co-Poly L		5gal		ВКТ								
12.	X-Cide 102W		5gal		вкт	To the Miles							
13.	Milguard		50#		Bag		United the						
14.	Flozan	- July = 11	25#		Bag								
15.	Barite		100#		Bag		F I						
16.	Cedar Fiber		40#		Bag								
17.	Multi Seal		40#		Bag								
18.	SAPP		508	100	Bag								
19.		Part Street			1-71		11-62-2						
20.						15							
21.		and training				7 - 7							
22.							L-MARIE						
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	S Main, Suite 310 - Wichita, KS	3 A A S 67202 + 316-26		DELIVERIN	- 9-2. NG WAREH	3 DUSE	F.O.B.  WAREHOUSE D  WELL SITE D	PREPAID  COLLECT	FINAL WELL TICKET				
SOLD ADDRI	Molitor OIL			SHIPPED	line	4	COUNTY STATE	n	#1				
CITY. S	STATE, ZIP			ORDER NO	0.		SEC -TWN	RNG	w				
0.577.	PRODUCT		PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE		NOUNT				
1.	UN# 1823 SODIUM HYDROXIDE - SOLIU 8 II EMERGENCY CONTACT : CI 1-800-424-9360 Customer Number: CCN6577	HEMTREC	50#	10	Bag								
2.	Mud-Co Gel		100#		Bag								
3.	Salt Clay		50#		Bag								
4.	Drill Starch		50#		Bag								
5.	Lime		50#		Bag								
6.	Cotton Seed Hulls		50#	0120	Bag								
7.	Soda Ash		50A		Bag								
8.	Lignite		50#		Bag								
9.	Drill Pac		50#		Bag								
10.	Desco		25#		Bag								
11.	Co-Poly L		5gal		вкт								
12.	X-Cide 102W		5gal		BKT								
13.	Milguard		50#		Bag								
14.	Flozan		25#		Bag								
15.	Barite		100#	Lace parket	Bag								
16.			40#		Bag								
17.			40#		Bag								
18.			50#		Bag				- 134				
19.	JAF F												
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	PURCHASE AUTHORIZED BY  TOTAL TRANSPORTATION CHARGES			N			TOTAL						

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	DDoGU S. Main. Suite 310 - Wichita, KS	GG (A)		DELIVERIN	3 - 14. Proxi	-23 DUSE	F.O.B. WAREHOUSE D WELL SITE D	PREPAID  COLLECT	FINAL WELL				
SOLD	1,0 rotilam or			SHIPPED	TO Stp	rlingy	WELL NAME & NO	rd m	# 1				
ADDRI				SHIPPED	the state of the s	-33	COUNTY STATE Kingmon, KS						
CITY, S	STATE, ZIP			ORDER N	0.		SEC 30 TWN 29 RNG 8W						
	PRODUCT		PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	OUNT					
1.	UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CH 1-800-424-9300 Customer Number: CCN6577	HEMTREC	50#	1/	Bag				at land of				
2.	Mud-Co Gel		100#	118	Bag								
3.	Salt Clay		50#		Bag								
4,	Drill Starch		50#		Bag								
5.	Lime		50#	3	Bag								
6.	Cotton Seed Hulls		50#	158	Bag	117111							
7.	Soda Ash	75-100-1	50#	6	Bag								
8.	Lignite		50#	11	Bag								
9.	Drill Pac		50#	4	Bag								
10.	Desco		25#	[	Bag								
11.	Co-Poly L		5gal	2	BKT								
12.	X-Cide 102W		5gal	es Pout a	BKT								
13.	Milguard		50#		Bag								
14.	Flozan		25#		Bag		Final	Credat					
15.	Barite		100#		Bag		0						
16.	Cedar Fiber		40#		Bag		Kyon	1					
17.	Multi Seal		40#		Bag			100					
18.	SAPP		50#		Bag	alt vingue. Ture							
19.													
20.													
21.													
22.													
	MATERIAL RECEIVED	TRAN	ISPORTATIO	N CHARG	ES	SUB TOTAL							
	IN GOOD ORDER	TRUCK #	MILEAG		FROM								
L	DATE DESCRIPTION		8			SALES TAX							
	DATE RECEIVED		8										
						TRANSPOR	TATION		1				
	PURCHASE AUTHORIZED BY  TOTAL TRANSPORTATION CHARGES			N			TOTAL						



CEMENT	TRE	ATMEN	T REP	DRT					
Cust	omer	MOLITO	R OIL, I	NC.	Wells	RICK	ARD M-1	Ticket:	WP 4050
City,	States				County:	KINGI	MAN, KS.	Date:	3/14/2023
Field	d Repa	MARK N	OLITOR	2	S-T-R:	30-2	9S-08W	Service:	LONGSTRING
Down	nbale	Informatio	on.		Calculated Slurry -	DAT   MOUSE		Salari	
	Size:	THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE	-		Blend:	H-PLUG		Elend:	ated Slurry • Tail H-LONG • GAS BLOCK
Hole I					100000		- 1		
Casing		_	-	11.6	Weights	13.8 ppg	-	Weight:	15 ppg
Sales	(2010)	4622.71		11.0	Water / Sx:	6.9 gal/sx 1,43 ft <sup>2</sup> /sx	- 1	Water / Sx:	5.8 gal / sx 1.43 ft <sup>3</sup> / sx
Tubing /		_	in		Yield: Annular Bbls / Ft.:	bbs/ft.	- 1	Yield:	
STATE OF THE PARTY		4602.76			Depths	ft	- 1	Annular Bbis / Ft.:	bbs / ft.
Tool / Pa					Annular Volume:	0.0 bbis	- 1	Depth: Annular Volume:	0 bbls
	Depth:		n		Excess	0.0 bbis	- 1	Excess:	0 bois
Displace		_	bbls		Total Slurry:	12.0 bbls	- 1	Total Slurry:	51.0 bbls
		-	STAGE	TOTAL	Total Sacks:	50 sx	1	Total Sacks:	200 sx
TIME	RATE	PSI	BBLs		REMARKS	30 sx		Total Sacks:	200 8X
9:30PM					ON LOCATION - SPOT EC	QUIPMENT- RIG UP			
11:15PM					RUN 4 1/2" X 11.6# CASIN				
MONMONO				- 4	TURBOLIZERS-4,5,6,11,1				
1:15AM					CASING ON BOTTOM				
1:30AM				- 1	HOOK UP TO CASING- BI	REAK CIRCULATION			
2:30AM	5.0	400.0	12.0	12.0	2% KCL H2o AHEAD				
2:32AM	5.0	400.0	12.0	24.0	SUPERFLUSH II				
2:34AM	5,0	400.0	5.0	29.0	H2o SPACER				
2:35AM	5,5	300,0	51.0	0.08	MIX 200 SKS H-LONG +	3% GAS BLOCK CEM	ENT @ 15 PPG		
2:47AM		77,777,177		80.0	SHUT DOWN- CLEAR PU	MP AND LINES- DRO	P LATCH DOWN	PLUG	
3:02AM	6,0			80.0	START DISPLACEMENT				
3:07AM	5,0	250.0	40.0		LIFT PRESSURE				
3:12AM	4.0	800.0	60.0		SLOW RATE				
3:15AM	3.0	1,500.0	71.3		PLUG DOWN- HELD				
					CIRCULATION THRU JOS	3			
3:20AM	2.0		7.0		PLUG RAT HOLE W/ 30 S	KS HPLUG CEMENT	@ 13.8 PPG		
3:35AM	2.0		5.0		PLUG MOUSE HOLE W/2	SKS H PLUG CEME	NT @ 13.8 PPC	1	
3:45AM					WASH UP PUMP TRUCK				
					JOB COMPLETE,				
					THANKS- KEVEN AND CR	REW			
		CREW			UNIT	No. of Concession,		SUMMARY	
	nointer:	LESL			936		age Rate	Average Pressure	Total Fluid
Pump Ope		OSB			176-522	4.	3 bpm	481 psi	263 bbls
	ulk #1: ulk #2:	TREV	INO		625-534				
-	-								



marricane Services, Inc. 250 N. Water St., Suite #200 Wichita, KS 67202



Gustomer MOLITOR OIL, INC.			Lease & Well # RICKARD M-1									Date	3/1	4/2023	-	
Service District	PRATT, KS.			Count	y a si	tate K	INGM	AN, KS.		Legals S/TiR	30-295-	Wat	Job #			
Job Type	LONGSTRING	R PROD		CJ INJ	30120		SWD			New Well?		7 No	Ticket#	W	P 4050	
Equipment #	Driver						Job	Safety	Analy	sis - A Discusi	sion of Hazards &	Safety Pr	rocedures			
936	LESLEY	R Hard h	at			63	Glove	15			II Lockout/Tago	ut '	☐ Warning Signs	& Flagging		
176-522	OSBORN	@ H2S M				(2)	Eye P	rotectio	n.		□ Required Perr	nits	D Pall Protection			
525-534	TREVINO	2 Safety	Footwear				Respi	iratory F	Protect	ian	□ Slip/Trip/Fall I	4azards	El Specific Job St	quence/Exper	ctation	5
		a rac/p	otective	Clothin	9	D	Addi	6onal O	hemic	WACID PPE	D. Overhead Haz	ards	Ri Muster Point/	Medical Locati	ions	
		El Hearin	g Protect	5on		6	Fire I	ixtingui	sher		C) Additional co	ncems or is	sues noted below			
										Cor	mments					
		4 1/2"	LONG	STR	ING											
Product/ Service Code			Descr	ription	14			321	-	Joit of Measure	e Quantity				Net	Amount
CP030	M-Long									sack	200.00					\$7,000.00
CP065	H-Plug A									sack	50.00				4	\$700.00
CP165	Gas Block								-	b	564.00			1		\$2,538.00
FE670	4 1/2" Float Shor	- AFU Flags	per Type							60	1.00					\$350.00
PE096	4 1/2" Latch Dec									65	1.00					\$275.00
FE010	4 1/2" Turbolizer	5								63	11.00					\$770.00
11139	4 1/2" Cement C	able Scratch	ec							65	8.00					\$480.00
CP174	Super Flush II									get	500.00					\$875.00
AF066	Liquid KCL Subs	titute 2								gal	1.00					\$20.00
M015	Light Equipment	Mileage								mi	35.00					\$70.00
1010	Heavy Equipmen	nt Mileage								mi	70.00					\$200.00
10020	Ton Mileage									im	403.00					\$604.50
C060	Cement Blanding	& Mixing S	ervice	100						sack	250.00		1			\$350.00
0015	Depth Charge: 4	001'-5000"								job	1.00				_	\$2,500.00
C015	Cement Data Ad	quisition								job	1.00					\$250.00
C050	Cement Plug Co	ntainer							_	job	1.00			-		\$250.00
Ito61	Service Supervi	ser								day	1.00					\$275.00
Que	domer Section: O	n the folkowin	g scale t	law wa	old you	u rate H	jurrica	ne Serv	ices la	x 9				Net		\$17,587.5
		or other bases	No.								Total Taxable	\$ .	Tax Rate	-		><
ı	Based on this job,	how likely i	s it you	would i	recom	mend I	HSI to	a colle		enally Library	used on new well Humiciane Service	s to be sale is relies on t bove to mai	he customer provided te a determination if		5	17,587.5
											HSI Repres			EN 188	184	

TENERS: Cash in advance users Huricane Services inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts aball pay interest on the balance paid due at the rate of 1 1/5 per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an appropriate efforms the affect of the collection, Customer heady agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving or not invoice price. Upon severation, the full invoice price without discount is investigately due and subject to collection. Prices quoted are estimates only and are good for 10 days from the date of issue. Pricing does not include federal, state, or local taxes, or regalities and stated price adjustments. Activel changes may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days not payment terms or cash. DISCLAMMER MOTICE: Technical date is precented in good faith, but no warranty it stated or implied. HSI instruces no liability for advice or recommendations made conventing the results from the use of any product or service. The information presented is a best estimate of the advice service that may be achieved and should be such available for comparison purposes and HSI mainter or guarantees proper operational care of all customer evened equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms also only and acceptance of all terms and acceptance of all

CUSTOMER AUTHORIZATION SIGNATURE
----------------------------------

## Sterling Drilling Company, Rig #4

Box 1006, Pratt, Kansas 67124-1006 Office Phone (620) 672-9508, Fax 672-9509

#### SAMPLE LOG

#### Rickard M #1

LOCATION:

SE SE NW NW

Section 30 T 29S

R 8W

API:

15-095-22352-00-00

Kingman County, Kansas

OWNER: Molitor Oil, Inc.

CONTRACTOR: Sterling Drilling Company, Rig #4

COMMENCED:

03/03/23

COMPLETED:

03/14/23

TOTAL DEPTH:

DRILLER LOGGER

FEET 4,634 4,636 FEET Ground Elevation: KB Elevation:

1621 1632

LOG

5 FEET Top Soil 0 -Brown Clay, Sandy Clay, Sand 30 FEET 5 -Brown Sandy Clay, Sand 50 FEET 30 -Sand and Gravel 110 FEET Sand, Gravel, Clay 110 846 Shales and Salt 846 -2,330 FEET 4,109 FEET

2,330 -4,634 FEET 4,109 -

Limestone, Shale and Dolomite Limestone, Shale, Sands and Dolomite

#### CASING RECORDS

#### Surface Casing

Spud at 8:25 AM on 03/03/23. Drilled 12-1/4" hole to 217'. Ran (5) joints New, 23#, 8-5/8" casing. Casing Tallied 210.63', cutoff 8.63' = 202.00 + 12.30' LJ = 214.30'. Set at 214 KB. Strap bottom 3 joints, tack top 2 joints. Cemented with 225 Sks of 60/40 POZ, 2% Gel, 3% CC, and 1/2# Pheno Seal. Plug down at 4:15 PM on 03/03/23 by Quality Cement. Ticket #8253. Cement did circulate!.

#### Procuction Casing

Ran 106 joints (New) 11.6# 4-1/2" casing. Tallied 4,622', set at 4,632' KB, (4') off Bottom. Float Shoe on Bottom, SJ = 19.95', LD/Baffle in 1st Collar, Centralizers on jts: 4,5,6,11,12,14,19,20,72, 80,85. 11 total scratchers (4224-4250'). Cemented with 200 sacks H-Long. Plug down at 3:15am on 03/14/2023. Plugged RH & MH with 50 sks H-Plug. HSI Tkt #WP4050. Sterling reported to KCC Donna Sangster on 03/15/2023 at 8:30AM.

## DEVIATION SURVEYS

0.50	degree(s) at	217	feet
1.00	degree(s) at	3937	feet
0.25	degree(s) at	4509	feet
0.50	degree(s) at	4634	feet

MORNING DRILLIN	IG REPORT	Fax to:	Mai	k Molitor						
Sterling Drilling ( Box 1006, Pratt, Kansas	Company, Rig #4 67124-1006	100000	ste Geologist: Max Lovely	# of Page WELL N. LOCATIO	AME	1 Faxil N/A Rickard M #1 SE SE NW NW				
Office Phone (620) 672-95 Rig #4 Phone Numbe		IN USE	Toolpusher	SEC	30 TW	P 29S	RNG	SW	CO	Kingman
Rig Cellular				ga Molitor Oil, Inc.						
Geologist Cellular	(620) 388-5995	Yes	C (620) 388-4193		Northridg Kansas		665			· · · · · · · · · · · · · · · · · · ·
				ELEVATION	OW G.L	16	21 K.B.	- 10	APW	15-095-22352-00-00

On February 17th, 2023, Advantage Elevations Oilfield Surveyors staked the location. On February 21st, 2023, Mark Molitor, Tom Theis, and Lanny Saloga met at Rickard M #1 location to discuss layout prior to building location. Theis Dozer Service Inc. called Dig-Safe. Theis Dozer Service Inc. leveled location and dug earthen reserve pit starting on February 22nd, 2023 and finished the location on February 24th, 2023. Pumping water from Irrigation well located in Sec. 23-295-9W; will lay out 3" polyline to location. SDC made spud call to KCC Disctrict #2 (Donna Sangster) at 8:15 AM on 02/28/23 for a 03/03/2023 spud date. Sunrise Oilfield Supplied 215'of 8-5/8" Surface Casing, along with Bradenhead.

			annema T.	and a	Currently 32*!						
Day	0	Date: County to the Rickard 1	02/28/23 Tu	escay	AM The crows will	rin un today	Plan to Soud on 03	1/03/2023!			
Hauting lo	ads from Rice	County to the Hickard 1 up today on the Rickars	W #1 in Kingman Co	Otto to co	of on March 3et 30	123 to give the	rin crew time off				
			03/01/23 W	rioneday	Currently 38"!	and the same	The Gran strike and				
Day	0	Date:			Control of						
Rigged up	and idle at 7:1	00 AM. Plan to finish up 4.00 Hours (10.00 Hrs	Move to location an	d Rig Up 20	O Hrs Mix Mud/Fill V	Vater Tank, 1	2.00 Hrs Drywatch R	lig).			
	Hours, Down 2	Date:	03/02/23 Th	ursday	Currently 25"1						
Day		00 AM. Plan to finish up									
Paged up	Moure Down 2	4,00 Hours (10.00 Hrs	Regiage Furnace at	nd wiring, 2.0	0 Hrs Rig unattende	ed. 12.00 Hrs	Drywatch Rig).				
Day	1	Date:	03/03/23 Fri	iday	Currently 31°.			Basket C	Irder - 3	,4,1,2!	
_		Well at 7:00 AM. Drill			Will Spud on we	Il early this	morning!				
Gewing in	eady to Spud	24.00 hours - (12.00	Hee Din Mas Day	n win a day							
			03/04/23 Sa		Currently 44": Sa	oud at 8:25	AM on 03/03/23!	Survey a	t 217'-	1/2"!	
Day	2	Date:		Lorday	Short Trip (3) St			Tagged	Cement	@ 184?	
Drilling at	507° at 7:00	AM. Drilled 507' in 24 18.75 hours - (1.50 h	dr Eire up Matere/	Set Ready to							
Ran 5.25	hours, Down	Stnds, 0.50 Hr CTCH	of 217 0.25 Hr.J	et Cellar, 0.2	25 Hr Drop Survey	/TOOH, 1.00	Hr Rig up Casing	Tools/Run	Casing.		
n on Mr. S	Vier un Comon	tors/Cement Surface	Casing 10.00 Hrs	WOC. 0.50	Hr Drill Plug).						
Mud Pro	perties - Nativ	e/Premix: Wt. 9.0, Vi	\$ 27. LCM 0#; Wt.	On Bit 10/1	8,000, RPM 75, Po	ump Pressu	re 600, SPM 65.				
Surface	Bit RR HTC	VXZ 12-1/4", #604033	20, (4-15's), made	217 in 2.00	hours.	ROP - Surf	ace Hole (12-1/4") *				
Bit No. 1	7-7/8" JZ H	420, SN#1807032, (3	-16's), in at 217', d	rised 290' in	3.25 hours.		9 < Last 24-ROF	>- 7-7/8">	89	Mud Cost /	VA.
	Casino Data	-									
	Spud at	8:25 AM on 03/03/2	<ol> <li>Drilled 12-1/4"</li> </ol>	hole to 217	". Ran (5) joints	New, 23#, 8	5-5/8" casing.				
	Casing	Tallied 210.63', cuto	ff 8.63' = 202.00 +	12.30° LJ =	214.30°. Set at 2	214 KB. Str.	ap bottom 3				
	joints, t	ack top 2 joints. Ce	mented with 225	Sks of 60/4	0 POZ, 2% Gel, 3	% CC, and	1/2# Pheno Seal.				
	Plug do	wn at 4:15 PM on 03			licket #8253. Cer	ment did cir	culatel.	C-2 03 4 5	rg. Chal	llow Gas Zone!	
Day	3	Date:	03/05/23 St	unday	Currently 42°!				2 , 31101	IOW GBS CONG.	
Drilling a	t 1,937" at 7:0	00 am. Drilled 1,430"	in 24 hours.			tor at 1,930	" (Lag Depth) - 14)	F Univitar			
Ran 19.5	50 hours, Dov	vn 4.50 hours (1.00 H	r Rig Check, 3.50	Hrs Connec	tions).	nov 004	OF Dump Drage	- 000 E	PM 65		
Mud Pro	perties: Nativ	re w/ Premix - Wt. 9.5	, Vis. 28, pH 8.5,	CM, 1,500 L	CM OF, VVI. on Bit	- 38K, KPW	73 < Last 24-RO	P- 7-7/8">	76	Mud Cost	\$7,521
Bit No. 1		A20, SN#1807032, (3			Currently 44"!	-	10 1000 24110				
Day	4	Date:	03/05/23 M	onday							
Drilling a	at 2,900 at 7:0	0 am. Drilled 963" in	24 hours.	No Codes	CFS at 2,439" - 34						
Ran 19.	75 hours, Dov	wn 4.25 hours (1.25 H verPremix - Wt. 9.3, \	rs Rig check, 2.25	Hrs Conne	Alt on Bit ANK P	PM . 60 Pu	mp Pressure - 950	SPM - 65.			
Mud Pro	perties: Nati	verPremox - VVI, 9.3, V	ns. 26, Chi. 71,000	MIAN DER	in 42 50 hours	- OU, F U	49 < Last 24-RO	P- 7-7/8">	63	Mud Cost	\$9,390
		A20, SN#1807032, (3			Currently 37°.						
Day	5	Date:	03/07/23 T	desday	Displace Mud Sy	ortom at 7 17	WAT .				
Drilling a	M 3,651 7:00	am. Drilled 751' in 2- vn 3.25 hours (1.00 h	Figures.	Hre Connan							
Ran 20.	75 hours, Do	mical/Pac - Wt. 9.0, \	Ns 55 PV/YP 5/1	WL NC p	H 7.0. Chl. 44K LC	CM 4# Wt. o	on Bit - 40K, RPM -	60, Pump	Pressure	- 900, SPM - 65	
Be No.	1-7-7/8" (7 H	A20, SNW1807032, (3	1-16's), in at 217', (	frilled 3,434	in 63.25 hours.	1	36  < Last 24-RU	L- 1-110 >	Sub	WILL COS	\$15.55E
	6	Date:	03/08/23 M	Verdnesday	Currently 40"!	S	hort Trip (25) Stno	ls (3,937'-2	,319').	Strap Out - 0.89'	Long!
Day					Survey at 3,937		DST #1 - Sw	ope/Hertha	(3,852	- 3,9377.	
TIM WIL	751 #1 at 3,9	37 at 7:00 am. Drille wn 10.25 hours (0.75	Ur Dia Chark 12	5 Hrs Conne							
Man 13.	75 hours, Do	7, 1.25 Hrs Short Tri	1 00 Hr CTCH s	t 3 937 D 2	5 Hr Drop Survey.	2.25 Hrs T(	OOH for DST #1; S	trap Out,			
1.25 Hrs	S CFS at 3,93	Tools, 0.25 Hr Trip	eto Hole w/ DST #	H)	o in Diop corres.						
March Day	make up 03	mical/Pac - Wt. 9.2.	50 BO PV/VP 17/	18 WI 88	pH 11.5, Chl. 3.20	00. LCM 3#:	Wt. on Bit - 40K, R	PM - 60, P	ump Pre	ssure - 920, SPM	- 65
Re No	1 7-7/8" JZ H	A20, SN#1807032, (	3-16's) in at 217.	drilled 3,720	in 77.00 hours.	Г	21 < Last 24-RU	h-1-110 >	40	MUU COS	912,700
Day	7	Date:	03/09/23 7		Currently 49°; I	light drizzle	Bit #1 was to	ere up; Tih	in w/a	Rerun (SDC) Bit	@3,9377
		00 AM. Drilled 188' is	Control of the Contro	,,,,,,			bl. off reseve pit!				
Dec 12	50 hours Do	wen 11 50 hours (0.25	Hr Rig check, 0.7	5 Hr Conne	ctions, 1.50 Hrs Ti	IH w/ DST #	1; Pick up (13) Tes	t Jts, 3.25 l	Ars DST	Ø1.	
4 700 14-	- TOOK C	OT 44 D CO Hellow D	ours DST Tools 2	25 Hire TIH	w/ Bit: Brk Circ at	2600', 1.00	Hr CTCH at 3,937.	0.25 Hr W	DUE UD III	on).	00000
Mod Pr	operties: Che	mical/Pac - Wt. 9.2,	vis. 60, PV/YP 21/	19, WL 8.8.	pH 11.5, Chl. 4K	LCM 3#: Wt	on Bit - 40-42K, R	PM - 60, P	ump Piec	soure - ppu, or m	- 65.
Bit No	2 7-7/8" RR	TRX HC-517, SN#71	132, (2-16's, 1-18)	in at 3,937	drilled 188' in 12.	50 Hrs.	15 < Last 24-RC	P-7-7/8">	44	Mud Cost	\$12,878

MORNING DRILLIN	Fax to:	o: Mark Molitor									
Sterling Drilling C		Well	Wellsite Geologist:		# of Pages		Fax# N/A				
Box 1006, Pratt, Kamara	1	WELL NAME		Rickard M #1							
Office Phone (620) 672-95			LOCATION		SE SE NW NW						
Rig #4 Phone Number	IN USE	SEC	30	TWP	295	RNG	57				
Rig Cellular (620) 388-4192			Yes	Lanny Saloga	Molitor Oil, Inc.						
Geologist Cellular	(620) 388	(620) 388-5995 Yes		C (620) 388-4193	8426 W. Northridge Ct. Wichita, Kansas 67205-1665			65			
					ELEVAT	_	G.L.		T K.B.		

On February 17th, 2023, Advantage Elevations Oilfield Surveyors staked the location. On February 21st, 2023, Mark Molitor, Tom Theis, and Lanny Saloga met at Rickard M #1 location to discuss layout prior to building location. Theis Dozer Service Inc. called Dig-Safe. Theis Dozer Service Inc. leveled location and dug earthen reserve pit starting on February 22nd, 2023 and finished the location on February 24th, 2023. Pumping water from Irrigation well located in Sec. 23-295-9W; will lay out 3" polyline to location. SDC made spud call to KCC Disctrict #2 (Donna Sangster) at 8:15 AM on 02/28/23 for a 03/03/2023 spud date. Sunrise Oilfield Supplied 215'of 8-5/8" Surface Casing, along with Bradenhead.

Day	T 8	Date:	03/10/23 Frid	lay	Currently 30"!	DST N3 - Mississippi (4,214' - 4,239').
TOOH for 0 Ran 5.75 h n 75 Hr Ma	ours, Down 18.25 ke up DST Tools	at 7AM. Drilled 1 5 hours (0.75 Hr I 1.50 Hrs TIH w	14' in 24 Hours. Rig Check, 0.25 H	Connection	1.75 Hrs TOOH w/ DS1 #	I', 1,50 Hrs CFS at 4,212', 2.00 Hrs TOOH for DST #2, 2, 0.50 Hr Lay Down DST Tools, 2,25 Hrs TIH w/ Bit; Brk
Mud Prope Bit No. 2: 7 Day	rties. Chemical/i -7/8* RR TRX H	Pac - Wt. 9.2, Vis C-517, SN#71132 Date:	63, PV/YP 18/17 t, (2-16's, 1-18), in 03/11/23 Sat	, WL 8.8. p at 3,937,	io Hrs TOOH for DST #3. pH 11.5, Chl. 4K. LCM 4# drilled 302' in 18.25 Hrs. Currently 45' and Cloud	20 < Last 24-ROP- 7-7/8"> 42 Mud Cost \$14.436
Ran 12:00 3:00 Hrs D	hours, Down 12. ST #3, 1.50 Hrs rties: Chemical/	TOOH w/ DST #3 Pac - Wt. 9.2. Vis	Rig Check, 0.50 3, 0.50 Hr Lay Dov 55, PV/YP 22/21	m DST To , WL 9.2, p at 3,937,	als, 2.75 Hrs TilH W/ Bit, b	OST #3, 0.50 Hr Make up DST Tools, 1.50 Hrs TIH W/ DST #3, Irik Circ at 2500' & 3700', 1.00 Hr CTCH at 4,239'). Wit. on Bit - 42K, RPM = 60, Pump Pressure = 1000, SPM - 65. 16 < Last 24-ROP- 7-7/8'> 39 Mud Cost \$14,936 Survey at 4,509' - 1/4'
Drilling at 4 Ran 5.75 h 0.75 Hr Ma 2500' & 38 Mud Propo Bit No. 2:1	,542' at 7:00 am ours, Down 18.2 ike up DST Took 00', 1,00 Hr CTO rties: Chemical/ 1.78" RR TRX H	Drilled 107 in 2 5 hours (0.25 Hr 8, 1.75 Hrs TIH w H at 4,509', 1.00 Pac - Wt. 9.2, Vis C-517, SN#7113	4 hours. Rig Check, 0.50 h DST #4, 4.00 Hr Hr Daylight Savin 52, PV/YP 17/1	r Connecti s DST #4, gs (Lost an 3, WL 8.8, n at 3,937,	1.75 Hrs TOOH W DST #	<ol> <li>1.50 Hr CFS at 4,509', 2.00 Hrs Drop Survey &amp; TOOH for DST #4.</li> <li>0.75 Hr Lay Down DST Tools, 2.50 Hrs TIH w/ Bit, Brk Circ at</li> <li>Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1030, SPM - 65.</li> </ol>
Ran 5.00 ft 1.75 Hrs T 2.50 Hrs T Mud Prope Bit No. 2 Day Tearing de Ran 0.00 broke dow	nours, Down 19.0 OOH for DST #5 IH w/ Bit; Brk Ci series: Chemical 7-7/8* RR TRX H 12 own for move on nours, Down 24.0 m, .50 Break circ RH, .75 Pull BOf perties: Chemical	00 hours (0.75 Hr 5, 0.50 Hr Make use at 2500° 8, 3800 (Pac - Wt. 9.1, Vi. (C-517, SN#7113 Date: Wednesday at 4, 00 hours (1.50 Cb. 2 X tripping in, 2 P, 50 Set slips). (Pac - Wt. 9.2, Vi.	Rig Check, 0.50 lp DST tools, 1.75 lp, 1.00 Hr CTCH ls, 62, PV/YP 15/1 2, (2-16's, 1-18), i 03/14/23 Ta 634' (RTD) at 7:00 ean Pits, 2.75 Rur 25 Rig up lay-down	8. Hr Connect Hrs TiH w st 4,592', 1 5, WL 8.8, n at 3,937', lesday 0 am. Drille 4-1/2', 1.7 n line, 1.00 2, WL 9.2	/ DST #5, 2:00 H/s DST # .50 H/s CTCH at 4,634; ( pH 10.5, Chl. 6K LCM 4#, drilled 697' in 41.00 H/s. Currently 25"! 9d 0' in 24 hours. 75 Rin down, 4:00 Trippin	4', 1.00 Hr CFS at 4,559', 1.50 Hrs CFS at 4,592', 15, 2.75 Hrs TOOH w/ DST #5, 0.50 Hr Lay Down DST Tools, 1.25 Hr Drop Survey).  Wh. on Bit - 42K, RPM - 60, Pump Pressure - 1040, SPM - 65.  18
Production	Ran 106 join Float Shoe 80,85, 11 to 03/14/2023.	nts (New) 11.6# 4 on Bottom, SJ = dal scratchers (4	1-1/2" casing. Ta 19.95', LD/Baffle (224-4250'). Cem MH with 50 sks H	llied 4,622 in 1st Col ented with Plug. HS	f., set at 4,632' KB, (4') or lar, Centralizers on its: 1,200 sacks H-Long. Plu 1 Tkt #WP4050.	ff Bottom. 4.5.6.11,12,14,19,20,72,

Day 13 Date: 03/15/23 Wednesday Currently 39\*
Moving out on Wednesday at 7:00 am.

Trucks on location at 7:00 AM to teardown and move off location!

INVOICE

# SHANE'S CASING, LLC

P.O. Box 143 Tax ID# 81-3889427 Russell, KS 67665 (785) 324-1849

	RIG	Sterling 4						
o: Molitor Oil Inc	DIRI	DIRECTIONS:						
8426 W Northridge Wichita KS 67205		Towns of the same						
13 March 2023	Rickard M	COUNTY:    Kingman KS						
	DESCRIPTION OF WOR	K PREFORMED						
PIPE SIZE	FEET	COST						
41/2"	4622'							
TOOLS: 51.05								
cleu								
TP								
MILEAGE: 128 m/s								
HANDS: T\(\)								
Brian								
Francisco		APPROVED BY:						
Tristen		111 /// /// //						
		11/10/11/11/01/11						
NOTES: 2 hc.								
	TIME ON J	08 4:30 pm TIME COMPLETED 1:45 pm						

## 8253

# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368 Home Office 30060 N. Hwy 281, Pratt, KS 67124 Mailing Address P.O. Box 468

Office 620-786-6992 Fax 620-672-3663 Todd's Cell 620-388-4967 Brady's Cell 620-727-6964

	Sec.	Twp.	Range	(	County	State	On Location	Finish					
Date 3-3-23	30	29	8	K	names	KS		4.15					
Lease Rickard M	/ell No.	1	Location	ion									
Contractor OS401	0011	in .		Owner									
Type Job Sur Fare	/				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish								
Hole Size 121/4		T.D.	217	Lieus		cementer and helper to assist owner or contractor to do work as listed.							
- 4 - 111 -					To Charge	Charge Molitar oil							
109.000					Street								
Tool		Depth			City		State						
Cement Left in Csg. 20		Shoe J	oint				nd supervision of owner						
Meas Line			e /2.3		112 21		5=4 60/40	2 9 Br 1 3 4 (					
	EQUIP	MENT			1/2 Flow	Seal.							
Pumptrk 3 No.					Common								
Bulktrk / No.					Poz. Mix								
Bulktrk No.					Gel.								
Pickup No.					Calcium								
JOB S	ERVICES	& REM	ARKS	Separate Sep	Hulls								
Rat Hole					Salt								
Mouse Hole					Flowseal								
Centralizers			1 4	-	Kol-Seal								
Baskets					Mud CLR 48								
D/V or Port Collar	THE I			-1-6	CFL-117 or CD110 CAF 38								
Ran 61/3	8%	050	hote		Sand								
to della line wi	The K	2 0	word Blo	15	Handling								
1136 Mayor	600	100	100 20	O.CY	Mileage	45		/					
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