

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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 III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Molitor Oil, Inc.
Well Name	RICKARD M 1
Doc ID	1716260

All Electric Logs Run

Compensated density/neutron
Dual induction
Micro
Sonic cement

MORNING DRILLING REPORT**Sterling Drilling Company, Rig #4**

Box 1006, Pratt, Kansas 67124-1006

Office Phone (620) 672-9508, Fax 672-9509

Wellsite Geologist:

Max Lovely

Rig #4 Phone Numbers (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 NAME Rickard M #1

LOCATION SE SE NW NW

SEC 30 TWP 29S RNG 8W CO Kingman

Molitor Oil, Inc.
8426 W. Northridge Ct.
Wichita, Kansas 67205-1665

ELEVATION G.L. 1621 K.B. 1632 AP# 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. 23-29S-9W; will lay out 3" polyline to location. **SDC made spud call to KCC District #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 from Rice County to the Rickard 'M' #1 in Kingman County at 7:00 AM. The crews will rig up today. **Plan to Spud on 03/03/2023!*****Plan to move in and rig up today on the Rickard 'M' #1 on 02/28/23. Plan to spud on March 3rd, 2023 to give the rig crew time off!****Day** 0**Date:** 03/01/23 Wednesday Currently 38°!

Rigged up and Idle at 7:00 AM. Plan to finish up some maintenance today.

Ran 0.00 Hours, Down 24.00 Hours (10.00 Hrs Move to location and Rig Up, 2.00 Hrs Mix Mud/Fill Water Tank, 12.00 Hrs Drywatch Rig).

Day 0**Date:** 03/02/23 Thursday Currently 25°!

Rigged up and Idle at 7:00 AM. Plan to finish up some maintenance today.

Ran 0.00 Hours, Down 24.00 Hours (10.00 Hrs Replace Furnace and wiring, 2.00 Hrs Rig unattended, 12.00 Hrs Drywatch Rig).

Day 1**Date:** 03/03/23 Friday Currently 31°.

Getting ready to Spud Well at 7:00 AM. Drilled 0' in 24.00 hours.

Will Spud on well early this morning!**Basket Order - 2,3,4,1!**

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

MORNING DRILLING REPORT				Fax to: Mark Molitor			
Sterling Drilling Company, Rig #4			Wellsite Geologist:				
Box 1006, Pratt, Kansas 67124-1006			Max Lovely				
Office Phone (620) 672-9508, Fax 672-9509							
Rig #4 Phone Numbers (Dog House)		IN USE		Toolpusher			
Rig Cellular	(620) 388-4192	Yes	Lanny Saloga				
Geologist Cellular	(620) 388-5995	Yes	C (620) 388-4193				
				WELL NAME Rickard M #1			
				LOCATION SE SE NW NW			
SEC	30	TWP	29S	RNG	8W	CO	Kingman
				Molitor Oil, Inc.			
				8426 W. Northridge Ct.			
				Wichita, Kansas 67205-1665			
ELEVATION	G.L.	1621	K.B.	1632	API#	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. 23-29S-9W; will lay out 3" polyline to location. **SDC made spud call to KCC District #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 6 **Date:** 03/08/23 **Wednesday** **Currently 40°!** **Short Trip (25) Stnds (3,937'-2,319').** **Strap Out - 0.89' Long!**
 TIH w/ DST #1 at 3,937' at 7:00 am. Drilled 286' in 24 hours. **Survey at 3,937' - 1.00°!** **DST #1 - Swope/Hertha (3,852' - 3,937').**
 Ran 13.75 hours, Down 10.25 hours (0.75 Hr Rig Check, 1.25 Hrs Connections, 0.75 Hr CFS at 3,873', 0.75 Hr CFS at 3,906', 1.25 Hrs CFS at 3,937', 1.25 Hrs Short Trip, 1.00 Hr CTCH at 3,937', 0.25 Hr Drop Survey, 2.25 Hrs TOOH for DST #1; Strap Out, 0.75 Hr Make up DST Tools, 0.25 Hr Trip into Hole w/ DST #1).
 Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 60, PV/YP 17/18, WL 8.8, pH 11.5, Chl. 3.200, LCM 3#: Wt. on Bit - 40K, RPM - 60, Pump Pressure - 920, SPM - 65
Bit No. 1: 7-7/8" JZ HA20, SN#1807032, (3-16's), in at 217', drilled 3,720' in 77.00 hours. 21 < Last 24-ROP- 7-7/8"> 48 Mud Cost \$12,758

Day 7 **Date:** 03/09/23 **Thursday** **Currently 49°; light drizzle!** **Bit #1 was tore up; TIH in w/ a Rerun (SDC) Bit @3,937'!**
 Drilling at 4,125' at 7:00 AM. Drilled 188' in 24 Hours. **Mark Molitor Hauled 320 Bbl. off reevev pit!**
 Ran 12.50 hours, Down 11.50 hours (0.25 Hr Rig Check, 0.75 Hr Connections, 1.50 Hrs TIH w/ DST #1; Pick up (13) Test Jts, 3.25 Hrs DST #1, 1.75 Hrs TOOH w/ DST #1, 0.50 Hr Lay Down DST Tools, 2.25 Hrs TIH w/ Bit; Brk Circ at 2600', 1.00 Hr CTCH at 3,937', 0.25 Hr Work up Iron).
 Mud Properties: Chemical/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, RPM - 60, Pump Pressure - 990, SPM - 65.
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 188' in 12.50 Hrs. 15 < Last 24-ROP- 7-7/8"> 44 Mud Cost \$12,878

Day 8 **Date:** 03/10/23 **Friday** **Currently 30°!** **DST #3 - Mississippi (4,214' - 4,239').**
 TOOH for DST #3 at 4,239' at 7AM. Drilled 114' in 24 Hours. **DST #2 - Mississippi (4,202' - 4,212').**
 Ran 5.75 hours, Down 18.25 hours (0.75 Hr Rig Check, 0.25 Hr Connections, 1.00 Hr CFS at 4,184', 1.50 Hrs CFS at 4,212', 2.00 Hrs TOOH for DST #2, 0.75 Hr Make up DST Tools, 1.50 Hrs TIH w/ DST #2, 2.00 Hrs DST #2, 1.75 Hrs TOOH w/ DST #2, 0.50 Hr Lay Down DST Tools, 2.25 Hrs TIH w/ Bit; Brk Circ at 2500' & 3600', 1.00 Hr CTCH at 4,212', 1.25 Hrs CFS at 4,239, 1.50 Hrs TOOH for DST #3.)
 Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 63, PV/YP 18/17, WL 8.8, pH 11.5, Chl. 4K, LCM 4#: Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1020, SPM - 65.
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 302' in 18.25 Hrs. 20 < Last 24-ROP- 7-7/8"> 42 Mud Cost \$14,436

Day 9 **Date:** 03/11/23 **Saturday** **Currently 45° and Cloudy!**
 Drilling at 4,435' at 7:00 am. Drilled 196' in 24 hours.
 Ran 12.00 hours, Down 12.00 hours (0.25 Hr Rig Check, 0.50 Hr Connections, 0.50 Hr TOOH for DST #3, 0.50 Hr Make up DST Tools, 1.50 Hrs TIH w/ DST #3, 3.00 Hrs DST #3, 1.50 Hrs TOOH w/ DST #3, 0.50 Hr Lay Down DST Tools, 2.75 Hrs TIH w/ Bit; Brk Circ at 2500' & 3700', 1.00 Hr CTCH at 4,239').
 Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 55, PV/YP 22/21, WL 9.2, pH 11.0, Chl. 5K, LCM 4#: Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1000, SPM - 65.
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 498' in 30.25 Hrs. 16 < Last 24-ROP- 7-7/8"> 39 Mud Cost \$14,936

Day 10 **Date:** 03/12/23 **Sunday** **Currently 36°!** **Survey at 4,509' - 1/4'**
 Drilling at 4,542' at 7:00 am. Drilled 107' in 24 hours. **DST #4 - Viola (4,452' - 4,509').** **Daylight Savings started at 2:00 AM!**
 Ran 5.75 hours, Down 18.25 hours (0.25 Hr Rig Check, 0.50 Hr Connections, 0.75 Hr CFS at 4,500', 1.50 Hr CFS at 4,509', 2.00 Hrs Drop Survey & TOOH for DST #4, 0.75 Hr Make up DST Tools, 1.75 Hrs TIH w/ DST #4, 4.00 Hrs DST #4, 1.75 Hrs TOOH w/ DST #4, 0.75 Hr Lay Down DST Tools, 2.50 Hrs TIH w/ Bit; Brk Circ at 2500' & 3800', 1.00 Hr CTCH at 4,509', 1.00 Hr Daylight Savings (Lost an Hour).
 Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 52, PV/YP 17/18, WL 8.8, pH 11.5, Chl. 5.5K LCM 4#: Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1030, SPM - 65.
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 605' in 36.00 Hrs. 19 < Last 24-ROP- 7-7/8"> 38 Mud Cost \$17,491

Day 11 **Date:** 03/13/23 **Monday** **Currently 27°!** **RTD - 4,634' at 5:15 AM on 03/13/23!**
 Drop Survey at 4,634' (RTD) at 7:00 am. Drilled 92' in 24 hours. **DST #5 - Simpson (4,540' - 4,592').**
 Ran 5.00 hours, Down 19.00 hours (0.75 Hr Rig Check, 0.50 Hr Connections, 1.00 Hr CFS at 4,554', 1.00 Hr CFS at 4,559', 1.50 Hrs CFS at 4,592', 1.75 Hrs TOOH for DST #5, 0.50 Hr Make up DST tools, 1.75 Hrs TIH w/ DST #5, 2.00 Hrs DST #5, 2.75 Hrs TOOH w/ DST #5, 0.50 Hr Lay Down DST Tools, 2.50 Hrs TIH w/ Bit; Brk Circ at 2500' & 3800', 1.00 Hr CTCH at 4,592', 1.50 Hrs CTCH at 4,634', 0.25 Hr Drop Survey).
 Mud Properties: Chemical/Pac - Wt. 9.1, Vis. 62, PV/YP 15/16, WL 8.8, pH 10.5, Chl. 6K LCM 4#: Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1040, SPM - 65.
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 697' in 41.00 Hrs. 18 < Last 24-ROP- 7-7/8"> 37 Mud Cost \$18,421



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

Operation:
 Test Complete

DATE
 March
08
 2023

DST #1 **Formation: Swope/Hertha** **Test Interval: 3852 - 3937'** **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

Electronic Volume
 Estimate:
 368'

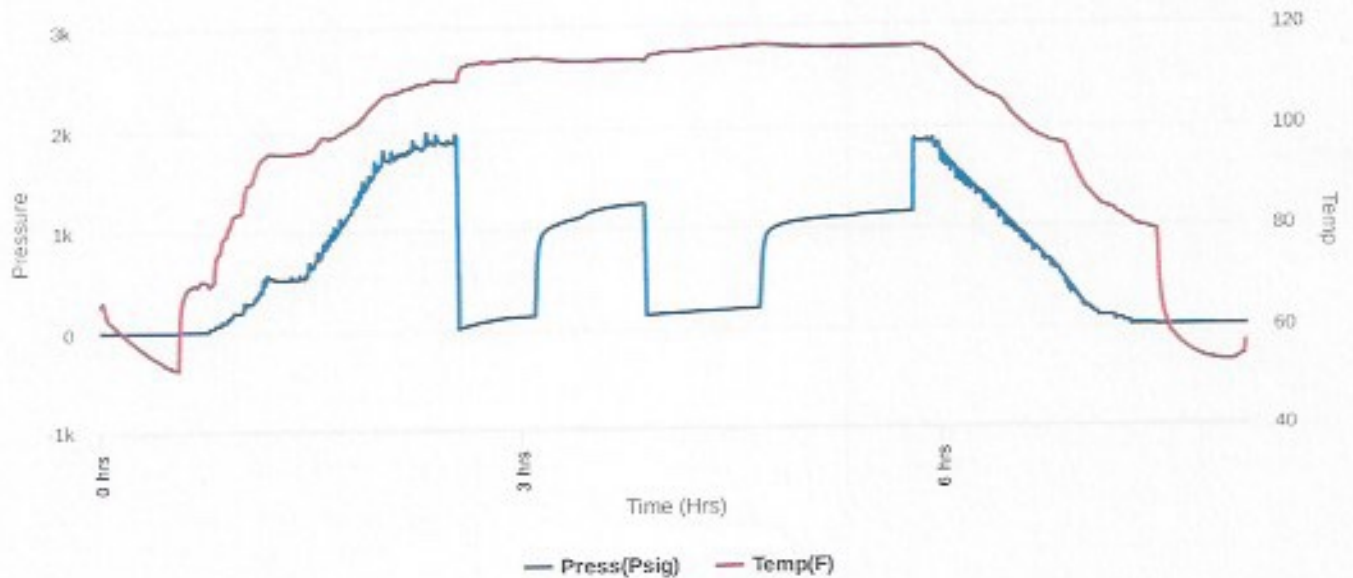
1st Open
 Minutes: 30
 Current Reading:
 12.8" at 30 min
 Max Reading: 12.8"

1st Close
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading:
 13.5" at 45 min
 Max Reading: 13.5"

2nd Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 0"

Inside Recorder





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

Operation:
 Test Complete

DATE
 March
08
 2023

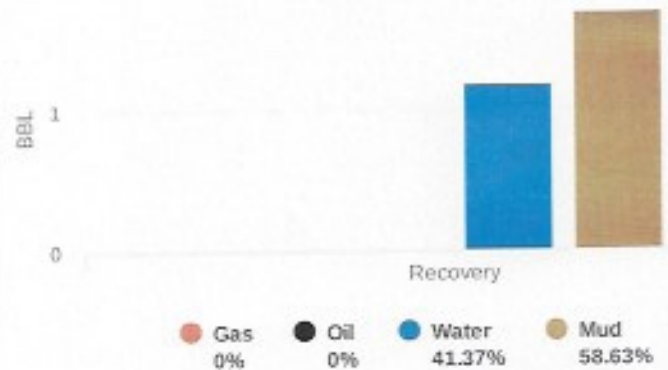
DST #1 **Formation: Swope/Hertha** **Test Interval: 3852 - 3937'** **Total Depth: 3937'**
 Time On: 05:56 03/08 Time Off: 14:10 03/08
 Time On Bottom: 08:25 03/08 Time Off Bottom: 12:10 03/08

<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
146	1.498106	M	0	0	0	100
126	0.70071134	MCW	0	0	75	25
126	0.69048	SLMCW	0	0	97	3

Total Recovered: 398 ft
 Total Barrels Recovered: 2.88929734

Reversed Out
 NO

Recovery at a glance



GIP cubic foot volume: 0

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 Close / Final Close	7.7	%



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

Operation:
 Test Complete

DATE
 March
08
 2023

DST #1	Formation: Swope/Hertha	Test Interval: 3852 - 3937'	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	

BUCKET MEASUREMENT:

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



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

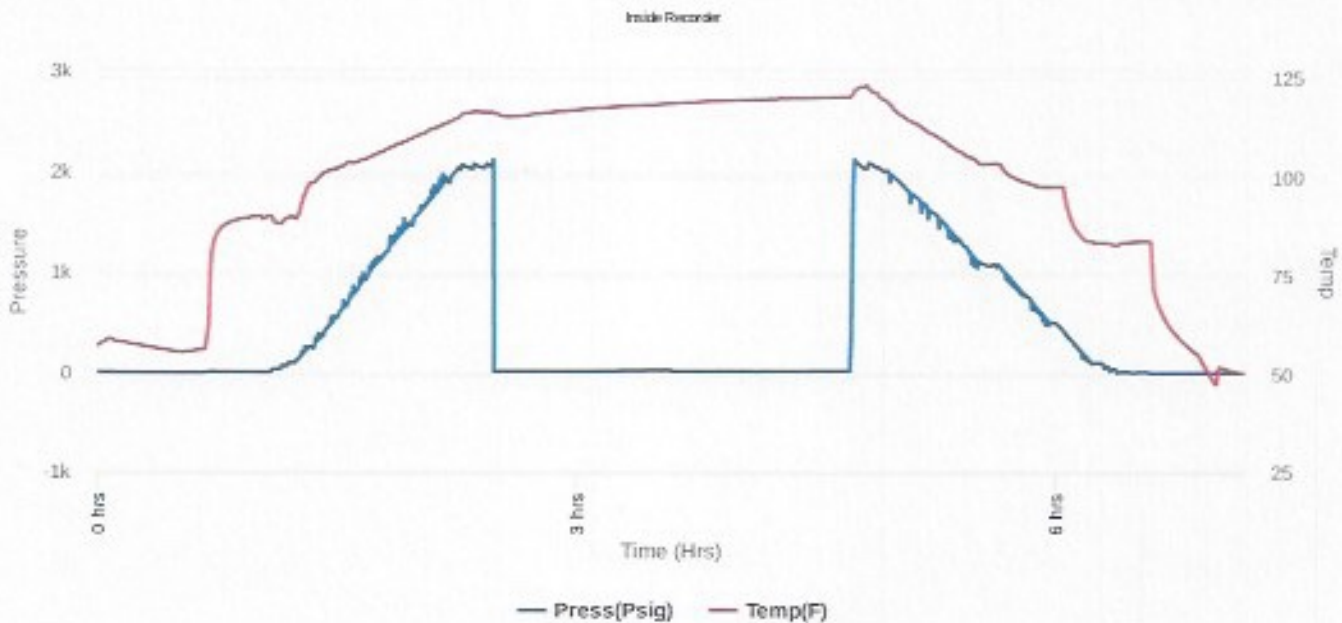
SEC: 30 TWN: 29S RNG: 8W
 County: KINGMAN
 State: Kansas
 Drilling Contractor: Sterling Drilling
 Company - Rig 5
 Elevation: 1623 EGL
 Field Name: Willowdale SE
 Pool: Infield
 Job Number: 651
 API #: 15-095-22352

Operation:
 Test Complete

DATE
 March
09
 2023

DST #2 **Formation: Mississippi** **Test Interval: 4202 - 4212'** **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

Electronic Volume Estimate:	1st Open	1st Close	2nd Open	2nd Close
3'	Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
	Current Reading: .1" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min
	Max Reading: .15"	Max Reading: 0"	Max Reading: 0"	Max Reading: 0"





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

Operation:
 Test Complete

DATE
 March
09
 2023

DST #2 **Formation: Mississippi** **Test Interval: 4202 - 4212'** **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

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
1	0.00548	M	0	0	0	100

Total Recovered: 1 ft
 Total Barrels Recovered: 0.00548

Reversed Out
 NO

Recovery at a glance



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	%

GIP cubic foot volume: 0



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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

Operation:

Test Complete

DATE

March

09

2023

DST #2

Formation:
Mississippi

Test Interval: 4202 -
4212' 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

BUCKET MEASUREMENT:

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



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 Elevation: 1623 EGL
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 Pool: Infield
 Job Number: 651
 API #: 15-095-22352

Operation:
 Test Complete

DATE
 March
09
 2023

DST #2 **Formation:** **Test Interval:** 4202 - **Total Depth:** 4212'
 Mississippi 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 <i>ID-3 1/4</i>	Packer 2: 4202 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4186.42 FT
Collars: 249.86 FT <i>ID-2 3/8</i>	Bottom Recorder: 4205 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 10	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 1 FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/4</i>	
Change Over: FT	
Perforations: (below): 8 FT <i>4 1/2-FH</i>	



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

Operation:

Test Complete

DATE

March

09

2023

DST #2

Formation:
Mississippi

Test Interval: 4202 -
4212'

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

Mud Properties

Mud Type: Chemical

Weight: 9.2

Viscosity: 56

Filtrate: 8.8

Chlorides: 4,000 ppm



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

Operation:

Test Complete

DATE

March
10
 2023

DST #3

Formation:
 Mississippi

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

Time On: 07:14 03/10

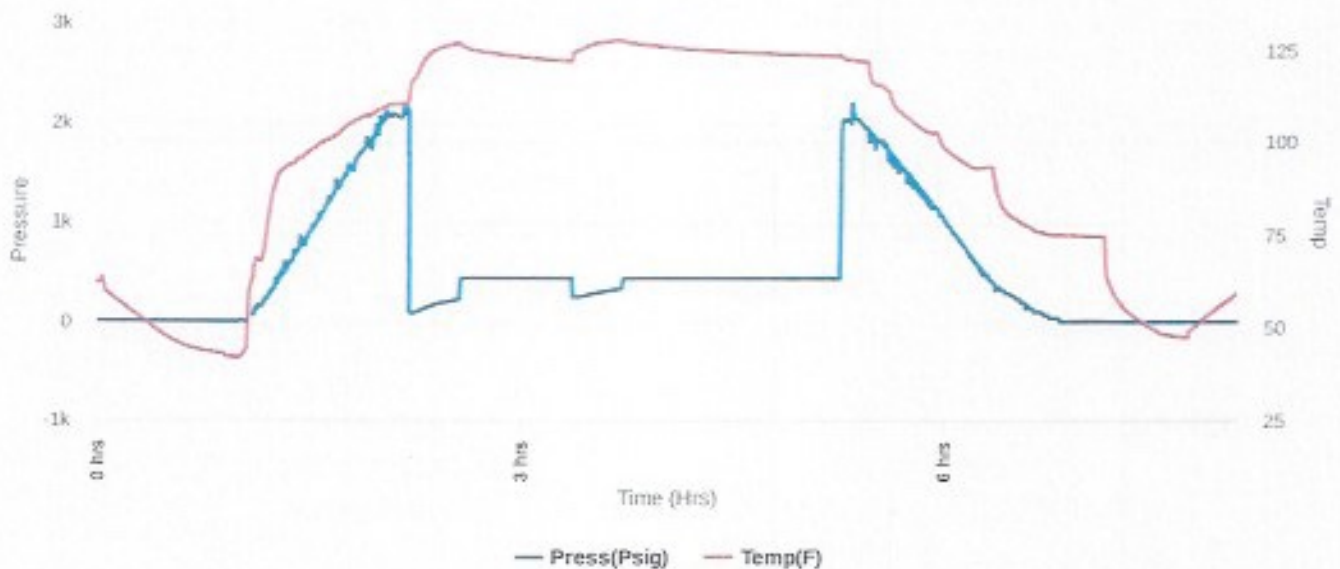
Time Off: 15:05 03/10

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

Electronic Volume
 Estimate:
 N/A

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 20	Minutes: 45	Minutes: 20	Minutes: 90
Current Reading:	Current Reading:	Current Reading:	Current Reading:
GTS" at 20 min	74" at 45 min	GTS" at 20 min	82" at 90 min
Max Reading: GTS"	Max Reading: 74"	Max Reading: GTS"	Max Reading: 114"

Inside Recorder





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

Operation:
 Test Complete

DATE
 March
10
 2023

DST #3 **Formation: Mississippi** **Test Interval: 4214 - 4239'** **Total Depth: 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

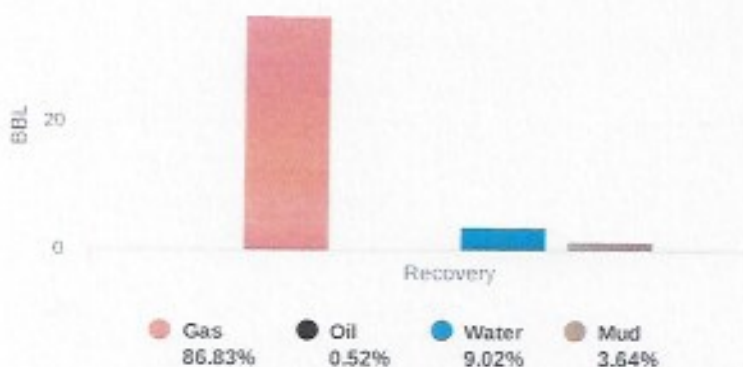
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3553	36.457333	G	100	0	0	0
127	1.303147	SLOCSL GCM	15	2	0	83
63	0.646443	SLWCSLOCGCM	20	15	3	62
189	1.939329	SLMCSLOCW	0	5	93	2
313	2.01711234	SLMCW	0	0	99	1

Total Recovered: 4245 ft
 Total Barrels Recovered:
 42.36336434

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2043	PSI
Initial Flow	84 to 220	PSI
Initial Closed in Pressure	437	PSI
Final Flow Pressure	246 to 331	PSI
Final Closed in Pressure	437	PSI
Final Hydrostatic Pressure	2038	PSI
Temperature	128	°F
Pressure Change Initial Close / Final Close	0.0	%

GIP cubic foot volume: 206.51306



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

Operation:
 Test Complete

DATE
 March
10
 2023

DST #3	Formation: Mississippi	Test Interval: 4214 - 4239'	Total Depth: 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:

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



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

Operation:
 Test Complete

DATE
 March
10
 2023

DST #3 **Formation: Mississippi** **Test Interval: 4214 - 4239'** **Total Depth: 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 <i>ID-3 1/4</i>	Packer 2: 4214 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4198.42 FT
Collars: 249.86 FT <i>ID-2 3/8</i>	Bottom Recorder: 4217 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 25	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 1 FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/4</i>	
Change Over: FT	
Perforations: (below): 23 FT <i>4 1/2-FH</i>	



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

Operation:
Test Complete

DATE
March
10
2023

DST #3 Formation: Mississippi Test Interval: 4214 - 4239' Total Depth: 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



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

Operation:
 Test Complete

DATE
 March
10
 2023

DST #3 **Formation: Mississippi** **Test Interval: 4214 - 4239'** **Total Depth: 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.

1st Open

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

2nd Open

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

MCF/D

MCF/D
0

20 min
 Time (minutes)



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

Operation:
 Test Complete

DATE
 March
11
 2023

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

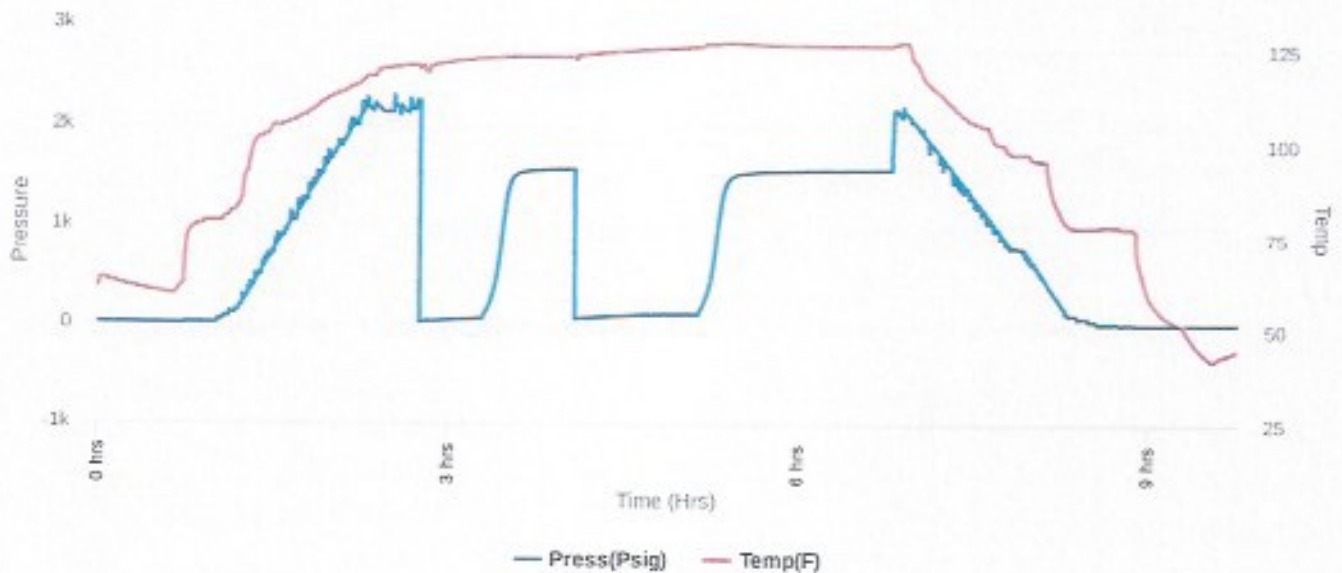
1st Open
 Minutes: 30
 Current Reading:
 35.5" at 30 min
 Max Reading: 35.5"

1st Close
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: 0"

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

2nd Close
 Minutes: 90
 Current Reading:
 0" at 90 min
 Max Reading: 5"

Inside Recorder





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

Operation:
 Test Complete

DATE
 March
11
 2023

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

Recovered

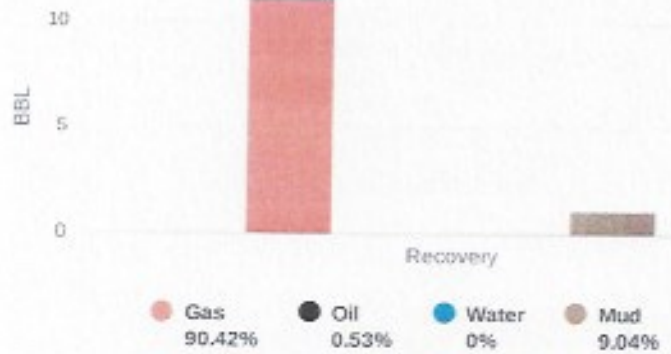
Feet	BBLs
1081	11.04500034
240	1.3152

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

Total Recovered: 1321 ft
 Total Barrels Recovered:
 12.36020034

Reversed Out
 NO

Recovery at a glance



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 Close / Final Close	0.0	%

GIP cubic foot volume: 62.75057



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

Operation:
 Test Complete

DATE
 March
11
 2023

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

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



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

Operation:
 Test Complete

DATE
 March
11
 2023

DST #4 Formation: Viola Test Interval: 4452 - 4509' Total Depth: 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
	<i>ID-3 1/4</i>	Top Recorder:	4436.59 FT
Weight Pipe:	FT	Bottom Recorder:	4487 FT
	<i>ID-2 7/8</i>	Well Bore Size:	7 7/8
Collars:	249.86 FT	Surface Choke:	1"
	<i>ID-2 3/8</i>	Bottom Choke:	5/8"
Test Tool:	33.57 FT		
	<i>ID-3 1/2-FH</i>		
	<i>Jars</i>		
	<i>Safety Joint</i>		
Total Anchor:	56.83		
	<u>Anchor Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top):	1 FT		
	<i>4 1/2-FH</i>		
Change Over:	1 FT		
Drill Pipe: (in anchor):	31.83 FT		
	<i>ID-3 1/4</i>		
Change Over:	1 FT		
Perforations: (below):	21 FT		
	<i>4 1/2-FH</i>		



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

Operation:

Test Complete

DATE

March

11

2023

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



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

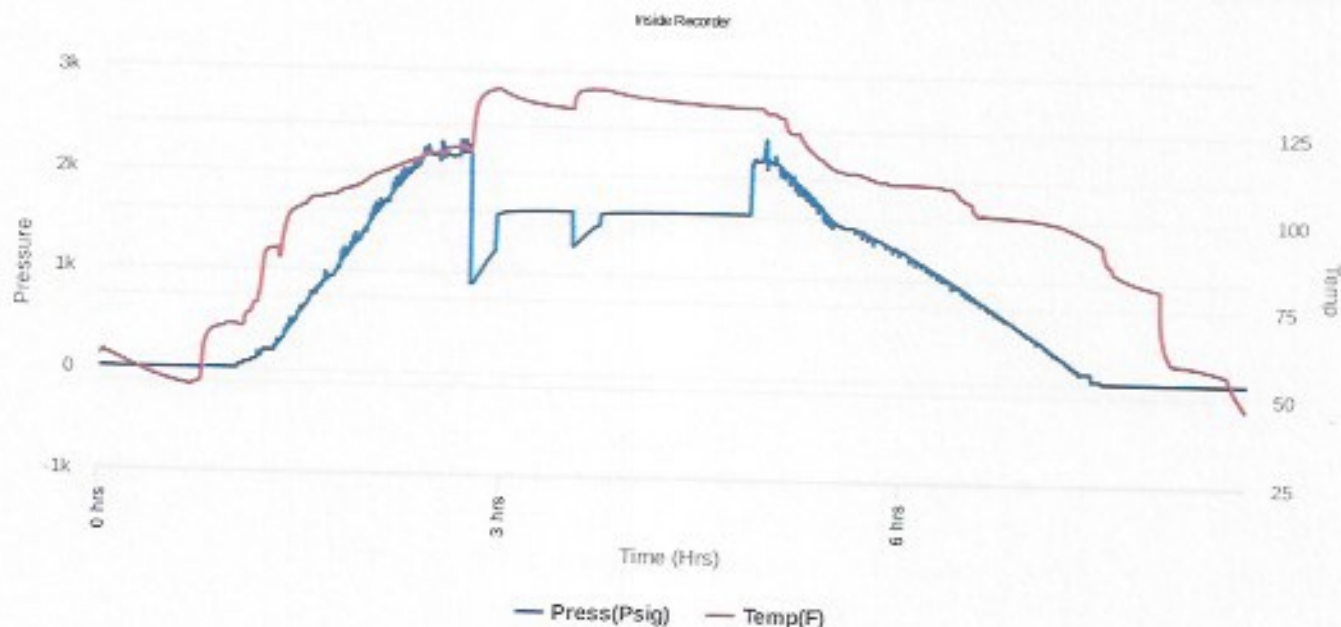
Operation:
 Test Complete

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

Electronic Volume
 Estimate:
 4081'

1st Open	1st Close	2nd Open	2nd Close
Minutes: 10	Minutes: 30	Minutes: 10	Minutes: 60
Current Reading: 272" at 10 min	Current Reading: 21.8" at 30 min	Current Reading: 243" at 10 min	Current Reading: 3.1" at 60 min
Max Reading: 272"	Max Reading: 21.8"	Max Reading: 243"	Max Reading: 3.1"





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

Operation:
 Test Complete

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

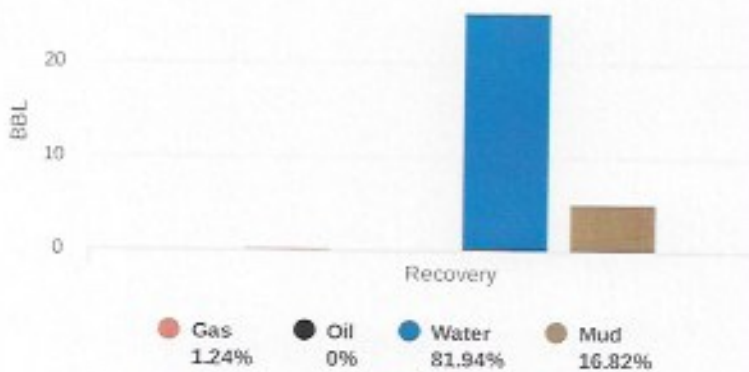
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
267	2.739687	M	0	0	0	100
189	1.939329	SLGCM	10	0	0	90
189	1.939329	SLGCHMCW	10	0	50	40
2520	24.66313934	W	0	0	100	0

Total Recovered: 3165 ft
 Total Barrels Recovered:
 31.28148434

Reversed Out
 NO

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 Close / Final Close	0.0	%

GIP cubic foot volume: 2.17767



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

Operation:
 Test Complete

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

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



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

Operation:
 Test Complete

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

Down Hole Makeup

Heads Up: 11.13 FT	Packer 1: 4535.2 FT
Drill Pipe: 4268.9 FT <i>ID-3 1/4</i>	Packer 2: 4540.2 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4524.62 FT
Collars: 249.86 FT <i>ID-2 3/8</i>	Bottom Recorder: 4577 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Total Anchor: 51.8

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT
4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.8 FT
ID-3 1/4

Change Over: 1 FT

Perforations: (below): 16 FT
4 1/2-FH



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

Operation:
Test Complete

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

Mud Properties

Mud Type: Chemical Weight: 9.2 Viscosity: 50 Filtrate: 8.8 Chlorides: 6,000 ppm

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET 136286

DATE SHIPPED 2-28-23	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL <input type="checkbox"/>
DELIVERING WAREHOUSE Pratt	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	TICKET
SHIPPED TO Sterling 4	WELL NAME & NO Rickard m #1		
SHIPPED VIA 73233	COUNTY, STATE Kingman, KS		
ORDER NO. 33198	SEC 30	TWN 29S	RNG 8W

SOLD TO **Molitor Oil**

ADDRESS

CITY, STATE, ZIP

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	19	Bag			
2. Mud-Co Gel	100#	140	Bag			
3. Salt Clay	50#		Bag			
4. Drill Starch	50#		Bag			
5. Lime	50#	5	Bag			
6. Cotton Seed Hulls	50#	300	Bag			
7. Soda Ash	50#	35	Bag			
8. Lignite	50#	20	Bag			
9. Drill Pac	50#	10	Bag			
10. Desco	25#	2	Bag			
11. Co-Poly L	5gal	2	BKT			
12. X-Cide 102W	5gal		BKT			
13. Mliguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19.						
20.						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL
	TRUCK #	MILEAGE	FROM	
DATE RECEIVED	@			SALES TAX
	@			
	@			TRANSPORTATION
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET 136285

DATE SHIPPED 2-28-23	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL <input type="checkbox"/>
DELIVERING WAREHOUSE Pratt	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	TICKET

SOLD TO molder oil	SHIPPED TO Sterling 4	WELL NAME & NO Richard m¹
ADDRESS	SHIPPED VIA 73+33	COUNTY, STATE Kingman, KS
CITY, STATE, ZIP	ORDER NO.	SEC 30 TWN 29S R ^{NG} 8W

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	11	Bag			
2. Mud-Co Gel	100#	420	Bag			
3. Salt Clay	50#		Bag			
4. Drill Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	50#		Bag			
7. Soda Ash	50#		Bag			
8. Lignite	50#	5	Bag			
9. Drill Pac	50#		Bag			
10. Desco	25#		Bag			
11. Co-Poly L	5gal		BKT			
12. X-Cide 102W	5gal		BKT			
13. Milguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19.						
20.						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL
	TRUCK #	MILEAGE	FROM	SALES TAX
	@			TRANSPORTATION
	@			TOTAL
DATE RECEIVED				
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET 136323

DATE SHIPPED 3-9-23	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL <input type="checkbox"/>
DELIVERING WAREHOUSE Hart	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	TICKET

SOLD TO: *Molitor oil*

ADDRESS:

CITY, STATE, ZIP:

SHIPPED TO: *Sterling 4*

SHIPPED VIA:

ORDER NO.:

WELL NAME & NO: *Richard M #2*

COUNTY, STATE: *Kingman KS*

SEC: *30* TWN: *29S* RNG: *8W*

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN657797	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#		Bag			
7. Soda Ash	50#		Bag			
8. Lignite	50#		Bag			
9. Drill Pac	50#		Bag			
10. Desco	25#		Bag			
11. Co-Poly L	5gal		BKT			
12. X-Cide 102W	5gal		BKT			
13. Milguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19.						
20.						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL	
	TRUCK #	MILEAGE	FROM		
	@			SALES TAX	
	@			TRANSPORTATION	
DATE RECEIVED					
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL	

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET 136338

DATE SHIPPED 3-14-23	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL 4
DELIVERING WAREHOUSE Proatt	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	TICKET

SOLD TO molitor oil	SHIPPED TO Sterling 4	WELL NAME & NO Richard m # 1
ADDRESS	SHIPPED VIA 72+33	COUNTY, STATE Kingman, KS
CITY, STATE, ZIP	ORDER NO.	SEC 30 TWN 29S R3G 8W

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 11 EMERGENCY CONTACT: CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	11	Bag			
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			
7. Soda Ash	50#	6	Bag			
8. Lignite	50#	11	Bag			
9. Drill Pac	50#	4	Bag			
10. Desco	25#	1	Bag			
11. Co-Poly L	5gal	2	BKT			
12. X-Cide 102W	5gal		BKT			
13. Milguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19.						
20.						
21.						
22.						

Final Credit
Ryan

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL
	TRUCK #	MILEAGE	FROM	SALES TAX
	@			TRANSPORTATION
DATE RECEIVED				TOTAL
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			



CEMENT TREATMENT REPORT

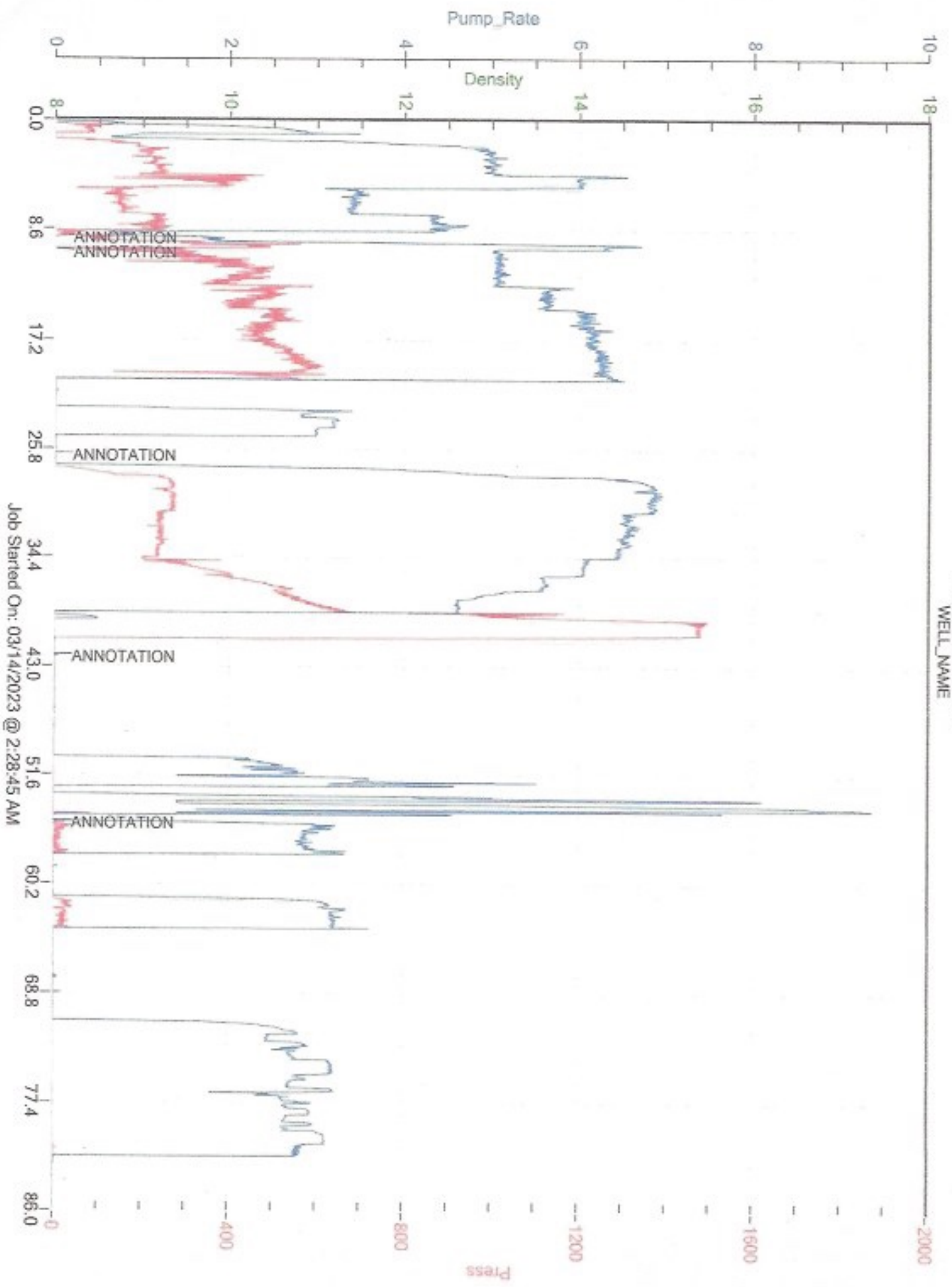
Customer: MOLITOR OIL, INC.	Wells: RICKARD M-1	Ticket: WP 4050
City, State:	County: KINGMAN, KS.	Date: 3/14/2023
Field Rep: MARK MOLITOR	S-T-R: 30-29S-08W	Service: LONGSTRING

Downhole Information		11.6	Calculated Slurry - RAT / MOUSE		Calculated Slurry - Tail	
Hole Size:	7 7/8 in		Blend:	H-PLUG	Blend:	H-LONG + GAS BLOCK
Hole Depth:	4636 ft		Weight:	13.8 ppg	Weight:	15 ppg
Casing Size:	4 1/2 in		Water / Sx:	6.9 gal / sx	Water / Sx:	5.8 gal / sx
Casing Depth:	4622.71 ft		Yield:	1.43 ft ³ / sx	Yield:	1.43 ft ³ / sx
Tubing / Liner:	in		Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
PLUG Depth:	4602.76 ft		Depth:	ft	Depth:	ft
Tool / Packerc:			Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft		Excess:		Excess:	
Displacement:	71.3 bbls		Total Slurry:	12.0 bbls	Total Slurry:	51.0 bbls
		Total Sacks:	50 sx	Total Sacks:	200 sx	

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
9:30PM			-	-	ON LOCATION - SPOT EQUIPMENT- RIG UP
11:15PM				-	RUN 4 1/2" X 11.6# CASING
00:00:00				-	TURBOLIZERS- 4,5,6,11,12,14,19,20,72,80,85
1:15AM				-	CASING ON BOTTOM
1:30AM				-	HOOK UP TO CASING- BREAK 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	80.0	MIX 200 SKS H-LONG + 3% GAS BLOCK CEMENT @ 15 PPG
2:47AM				80.0	SHUT DOWN- CLEAR PUMP AND LINES- DROP 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	600.0	60.0		SLOW RATE
3:15AM	3.0	1,500.0	71.3		PLUG DOWN- HELD
					CIRCULATION THRU JOB
3:20AM	2.0		7.0		PLUG RAT HOLE W/ 30 SKS HPLUG CEMENT @ 13.8 PPG
3:35AM	2.0		6.0		PLUG MOUSE HOLE W/ 20 SKS H PLUG CEMENT @ 13.8 PPG
3:45AM					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	936	Average Rate	Average Pressure	Total Fluid
Pump Operator:	OSBORN	176-522	4.3 bpm	481 psi	263 bbls
Bulk #1:	TREVINO	525-534			
Bulk #2:					

MOLTOR OIL
WELL_NAME



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



Customer	MOLITOR OIL, INC.		Lease & Well #	RICKARD M-1		Date	3/14/2023	
Service District	PRATT, KS.		County & State	KINGMAN, KS.		Legals S/TIR	30-295-08W	
Job Type	LONGSTRING	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	Now Well?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No	Ticket #
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures						
936	LESLEY	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging			
176-522	OSBORN	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection			
525-534	TREVINO	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations			
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations			
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below				
Comments								
4 1/2" LONGSTRING								
Product/Service Code	Description	Unit of Measure	Quantity					Net Amount
CP030	H-Long	sack	200.00					\$7,000.00
CP065	H-Plug A	sack	50.00					\$700.00
CP185	Gas Block	lb	564.00					\$2,538.00
FE070	4 1/2" Float Shoe - AFU Flapper Type	ea	1.00					\$350.00
FE095	4 1/2" Latch Down Plug & Baffle	ea	1.00					\$275.00
FE090	4 1/2" Turbolizers	ea	11.00					\$770.00
FE131	4 1/2" Cement Cable Scratcher	ea	8.00					\$480.00
CP174	Super Flush II	gal	500.00					\$875.00
AF055	Liquid KCL Substitute 2	gal	1.00					\$20.00
M015	Light Equipment Mileage	mi	35.00					\$70.00
M010	Heavy Equipment Mileage	mi	70.00					\$280.00
M020	Ten Mileage	tn	403.00					\$604.50
C050	Cement Blending & Mixing Service	sack	250.00					\$350.00
D018	Depth Charge: 4001-5000'	job	1.00					\$2,500.00
C035	Cement Data Acquisition	job	1.00					\$250.00
C050	Cement Plug Container	job	1.00					\$250.00
R051	Service Supervisor	day	1.00					\$275.00
Customer Section: On the following scale how would you rate Hurricane Services Inc.?							Net:	\$17,587.50
Based on this job, how likely is it you would recommend HSI to a colleague?							Total Taxable	\$ -
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <small>Extremely Likely</small>							Tax Rate:	
<small>State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.</small>							Sale Tax:	\$ -
							Total:	\$ 17,587.50
HSI Representative:							<i>KEVIN LESLEY</i>	

TERMS: Cash in advance unless Hurricane 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 shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby 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 at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X _____ **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
API: 15-095-22352-00-00

Section 30 T 29S R 8W
Kingman County, Kansas

OWNER: Molitor Oil, Inc.
CONTRACTOR: Sterling Drilling Company, Rig #4

COMMENCED: 03/03/23
COMPLETED: 03/14/23

TOTAL DEPTH: DRILLER 4,634 FEET
LOGGER 4,636 FEET

Ground Elevation: 1621
KB Elevation: 1632

LOG

0 -	5 FEET	Top Soil
5 -	30 FEET	Brown Clay, Sandy Clay, Sand
30 -	50 FEET	Brown Sandy Clay, Sand
50 -	110 FEET	Sand and Gravel
110	846	Sand, Gravel, Clay
846 -	2,330 FEET	Shales and Salt
2,330 -	4,109 FEET	Limestone, Shale and Dolomite
4,109 -	4,634 FEET	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!.

Production 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 DRILLING REPORT				Fax to: Mark Molitor			
Sterling Drilling Company, Rig #4			Wellsite Geologist:		# of Pages		
Box 1006, Pratt, Kansas 67124-1006			Max Lovely		1 Fax# N/A		
Office Phone (620) 672-9508, Fax 672-9509					WELL NAME Rickard M #1		
Rig #4 Phone Numbers (Dog House)			IN USE		LOCATION SE SE NW NW		
			Toolpusher		SEC 30 TWP 29S RNG 9W CO Kingman		
Rig Cellular (620) 388-4192			Yes Lanny Saloga		Molitor Oil, Inc.		
Geologist Cellular (620) 388-5995			Yes C (620) 388-4193		8426 W. Northridge Ct.		
					Wichita, Kansas 67205-1665		
					ELEVATION G.L. 1621 K.B. 1632 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. 23-29S-9W; will lay out 3" polyline to location. **SDC made spud call to KCC District #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 from Rice County to the Rickard 'M' #1 in Kingman County at 7:00 AM. The crews will rig up today. Plan to Spud on 03/03/2023!								
*Plan to move in and rig up today on the Rickard 'M' #1 on 02/28/23. Plan to spud on March 3rd, 2023 to give the rig crew time off.								
Day	0	Date:	03/01/23 Wednesday	Currently 38'				
Rigged up and idle at 7:00 AM. Plan to finish up some maintenance today.								
Ran 0.00 Hours, Down 24.00 Hours (10.00 Hrs Move to location and Rig Up, 2.00 Hrs Mix Mud/Fill Water Tank, 12.00 Hrs Drywatch Rig)								
Day	0	Date:	03/02/23 Thursday	Currently 25'				
Rigged up and idle at 7:00 AM. Plan to finish up some maintenance today.								
Ran 0.00 Hours, Down 24.00 Hours (10.00 Hrs Replace Furnace and wiring, 2.00 Hrs Rig unattended, 12.00 Hrs Drywatch Rig)								
Day	1	Date:	03/03/23 Friday	Currently 31'				Basket Order - 3,4,1,2!
Getting ready to Spud Well at 7:00 AM. Drilled 0' in 24.00 hours. 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)								
Day	2	Date:	03/04/23 Saturday	Currently 44'	Spud at 8:25 AM on 03/03/23!			Survey at 217' - 1/2'!
Drilling at 5:07' at 7:00 AM. Drilled 507' in 24.00 hours. Short Trip (3) Strds (217' - Bit). Tagged Cement @ 184'!								
Ran 5.25 hours, Down 18.75 hours - (1.50 Hr Fire up Motors/Get Ready to Drill, 2.25 Hrs Set RHM/H, 1.75 Hrs Connections, 0.25 Hr Short Trip (3) Strds, 0.50 Hr CTCH at 217', 0.25 Hr Jet Cellar, 0.25 Hr Drop Survey/TOOH, 1.00 Hr Rig up Casing Tools/Run Casing, 0.50 Hr Rig up Cementers/Cement Surface Casing, 10.00 Hrs WOC, 0.50 Hr Drill Plug).								
Mud Properties - Native/Premix - Wt. 9.0, Vis 27, LCM 0#; Wt. On Bit 10/18,000, RPM 75, Pump Pressure 600, SPM 65.								
Surface Bit: RR-HTC MX2 12-1/4", #6040320, (4-15's), made 217' in 2.00 hours. ROP - Surface Hole (12-1/4") = 109								
Bit No. 1: 7-7/8" JZ HA20, SN#1807032, (3-16's), in at 217', drilled 290' in 3.25 hours. 89 < Last 24-ROP- 7-7/8"> 89 Mud Cost N/A								
Surface Casing Data:								
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!								
Day	3	Date:	03/05/23 Sunday	Currently 42'	52 Unit Gas Kick @ 1,572'; Shallow Gas Zone!			
Drilling at 1,937' at 7:00 am. Drilled 1,430' in 24 hours. Test Gas Extractor at 1,936' (Lag Depth) - 143 Units!								
Ran 19.50 hours, Down 4.50 hours (1.00 Hr Rig Check, 3.50 Hrs Connections)								
Mud Properties: Native w/ Premix - Wt. 9.5, Vis. 28, pH 8.5, Chl. 1,500 LCM 0#; Wt. on Bit - 38K, RPM - 65, Pump Pressure - 900, SPM - 65								
Bit No. 1: 7-7/8" JZ HA20, SN#1807032, (3-16's), in at 217', drilled 1,720' in 22.75 hours. 73 < Last 24-ROP- 7-7/8"> 76 Mud Cost \$7,521								
Day	4	Date:	03/06/23 Monday	Currently 44'	CFS at 2,439' - 34 Unit Kick!			
Drilling at 2,900' at 7:00 am. Drilled 963' in 24 hours.								
Ran 19.75 hours, Down 4.25 hours (1.25 Hrs Rig check, 2.25 Hrs Connections, 0.75 Hr CFS at 2,439')								
Mud Properties: Native/Premix - Wt. 9.3, Vis. 28, Chl. 71,000, LCM 0#; Wt. on Bit - 40K, RPM - 60, Pump Pressure - 950, SPM - 65.								
Bit No. 1: 7-7/8" JZ HA20, SN#1807032, (3-16's), in at 217', drilled 2,683' in 42.50 hours. 49 < Last 24-ROP- 7-7/8"> 63 Mud Cost \$9,390								
Day	5	Date:	03/07/23 Tuesday	Currently 37'	Displace Mud System at 3,179'			
Drilling at 3,851' 7:00 am. Drilled 751' in 24 hours.								
Ran 20.75 hours, Down 3.25 hours (1.00 Hr Rig check, 2.00 Hrs Connections, 0.25 Hr Displace at 3,179')								
Mud Properties: Chemical/Pac - Wt. 9.0, Vis. 55, PV/YP 5/10, WL NC, pH 7.0, Chl. 44K LCM 4#; Wt. on Bit - 40K, RPM - 60, Pump Pressure - 900, SPM - 65.								
Bit No. 1: 7-7/8" JZ HA20, SN#1807032, (3-16's), in at 217', drilled 3,434' in 63.25 hours. 36 < Last 24-ROP- 7-7/8"> 54 Mud Cost \$10,502								
Day	6	Date:	03/08/23 Wednesday	Currently 40'	Short Trip (25) Strds (3,937'-2,319'). Strap Out - 0.89' Long!			
TIH w/ DST #1 at 3,937' at 7:00 am. Drilled 286' in 24 hours. Survey at 3,937' - 1.00'! DST #1 - Swope/Hertha (3,852' - 3,937').								
Ran 13.75 hours, Down 10.25 hours (0.75 Hr Rig Check, 1.25 Hrs Connections, 0.75 Hr CFS at 3,873', 0.75 Hr CFS at 3,906', 1.25 Hrs CFS at 3,937', 1.25 Hrs Short Trip, 1.00 Hr CTCH at 3,937', 0.25 Hr Drop Survey, 2.25 Hrs TOOH for DST #1; Strap Out, 0.75 Hr Make up DST Tools, 0.25 Hr Trip into Hole w/ DST #1).								
Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 60, PV/YP 17/18, WL 8.8, pH 11.5, Chl. 3,200, LCM 3#; Wt. on Bit - 40K, RPM - 60, Pump Pressure - 920, SPM - 65								
Bit No. 1: 7-7/8" JZ HA20, SN#1807032, (3-16's), in at 217', drilled 3,720' in 77.00 hours. 21 < Last 24-ROP- 7-7/8"> 48 Mud Cost \$12,758								
Day	7	Date:	03/09/23 Thursday	Currently 49'	light drizzle! Bit #1 was tore up; TIH in w/ a Rerun (SDC) Bit @ 3,937'			
Drilling at 4,125' at 7:00 AM. Drilled 188' in 24 hours. Mark Molitor Hauled 320 Bbl. off reserve pit!								
Ran 12.50 hours, Down 11.50 hours (0.25 Hr Rig check, 0.75 Hr Connections, 1.50 Hrs TIH w/ DST #1; Pick up (13) Test Jts, 3.25 Hrs DST #1, 1.75 Hrs TOOH w/ DST #1, 0.50 Hr Lay Down DST Tools, 2.25 Hrs TIH w/ Bit; Birk Circ at 2800', 1.00 Hr CTCH at 3,937', 0.25 Hr Work up Iron).								
Mud Properties: Chemical/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, RPM - 60, Pump Pressure - 990, SPM - 65.								
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 188' in 12.50 Hrs. 15 < Last 24-ROP- 7-7/8"> 44 Mud Cost \$12,878								

MORNING DRILLING REPORT				Fax to: Mark Molitor			
Sterling Drilling Company, Rig #4			Website Geologist: Max Lovely		# of Pages	1	Fax# N/A
Box 1006, Pratt, Kansas 67124-1006 Office Phone (620) 672-9508, Fax 672-9509							
Rig #4 Phone Numbers (Dog House)				IN USE	Toolpusher		
Rig Cellular		(620) 388-4192	Yes	Lanny Saloga			
Geologist Cellular		(620) 388-5995	Yes	C (620) 388-4193			
				WELL NAME	Rickard M #1		
				LOCATION	SE SE NW NW		
SEC	30	TWP	29S	RNG	6W	CO	Kingman
Molitor Oil, Inc. 8426 W. Northridge Ct. Wichita, Kansas 67205-1665							
ELEVATION	G.L.	1621	K.B.	1632	API#	15-095-27352-00-00	

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. 23-29S-9W; will lay out 3" polyline to location. **SDC made spud call to KCC District #2 (Donna Sangster) at 8:15 AM on 02/28/23 for a 03/03/2023 spud date.** Sunrise Oilfield Supplied 21.5' of 8-5/8" Surface Casing, along with Bradenhead.

Day	8	Date:	03/10/23 Friday	Currently 30'	DST #3 - Mississippi (4,214' - 4,239')
TOOH for DST #3 at 4,239' at 7AM. Drilled 114' in 24 Hours. DST #2 - Mississippi (4,202' - 4,212').					
Ran 5.75 hours, Down 18.25 hours (0.75 Hr Rig Check, 0.25 Hr Connections, 1.00 Hr CFS at 4,184', 1.50 Hrs CFS at 4,212', 2.00 Hrs TOOH for DST #2, 0.75 Hr Make up DST Tools, 1.50 Hrs TIH w/ DST #2, 2.00 Hrs DST #2, 1.75 Hrs TOOH w/ DST #2, 0.50 Hr Lay Down DST Tools, 2.25 Hrs TIH w/ Bit. Brk Circ at 2500' & 3800', 1.00 Hr CTCH at 4,212', 1.25 Hrs CFS at 4,239, 1.50 Hrs TOOH for DST #3.)					
Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 63, PV/YP 18/17, WL 8.8, pH 11.5, Chl. 4K, LCM 4# Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1020, SPM - 65					
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 302' in 18.25 Hrs. 20 < Last 24-ROP- 7-7/8"> 42 Mud Cost \$14,436					

Day	9	Date:	03/11/23 Saturday	Currently 45' and Cloudy!	
Drilling at 4,435' at 7:00 am. Drilled 196' in 24 hours.					
Ran 12.00 hours, Down 12.00 hours (0.25 Hr Rig Check, 0.50 Hr Connections, 0.50 Hr TOOH for DST #3, 0.50 Hr Make up DST Tools, 1.50 Hrs TIH w/ DST #3, 3.00 Hrs DST #3, 1.50 Hrs TOOH w/ DST #3, 0.50 Hr Lay Down DST Tools, 2.75 Hrs TIH w/ Bit; Brk Circ at 2500' & 3700', 1.00 Hr CTCH at 4,239').					
Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 55, PV/YP 22/21, WL 9.2, pH 11.0, Chl. 5K, LCM 4# Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1000, SPM - 65					
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 498' in 30.25 Hrs. 16 < Last 24-ROP- 7-7/8"> 39 Mud Cost \$14,936					

Day	10	Date:	03/12/23 Sunday	Currently 36'	Survey at 4,509' - 1/4'
Drilling at 4,542' at 7:00 am. Drilled 107' in 24 hours. DST #4 - Viola (4,452' - 4,509'). Daylight Savings started at 2:00 AM!					
Ran 5.75 hours, Down 18.25 hours (0.25 Hr Rig Check, 0.50 Hr Connections, 0.75 Hr CFS at 4,500', 1.50 Hr CFS at 4,509', 2.00 Hrs Drop Survey & TOOH for DST #4, 0.75 Hr Make up DST Tools, 1.75 Hrs TIH w/ DST #4, 4.00 Hrs DST #4, 1.75 Hrs TOOH w/ DST #4, 0.75 Hr Lay Down DST Tools, 2.50 Hrs TIH w/ Bit; Brk Circ at 2500' & 3800', 1.00 Hr CTCH at 4,509', 1.00 Hr Daylight Savings (Lost an Hour).					
Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 52, PV/YP 17/16, WL 8.8, pH 11.5, Chl. 5.5K, LCM 4# Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1030, SPM - 65					
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 605' in 36.00 Hrs. 19 < Last 24-ROP- 7-7/8"> 38 Mud Cost \$17,497					

Day	11	Date:	03/13/23 Monday	Currently 27'	RTD - 4,634' at 5:15 AM on 03/13/23!
Drop Survey at 4,634' (RTD) at 7:00 am. Drilled 92' in 24 hours. DST #5 - Simpson (4,540' - 4,592').					
Ran 5.00 hours, Down 19.00 hours (0.75 Hr Rig Check, 0.50 Hr Connections, 1.00 Hr CFS at 4,554', 1.00 Hr CFS at 4,559', 1.50 Hrs CFS at 4,592', 1.75 Hrs TOOH for DST #5, 0.50 Hr Make up DST tools, 1.75 Hrs TIH w/ DST #5, 2.00 Hrs DST #5, 2.75 Hrs TOOH w/ DST #5, 0.50 Hr Lay Down DST Tools, 2.50 Hrs TIH w/ Bit; Brk Circ at 2500' & 3800', 1.00 Hr CTCH at 4,592', 1.50 Hrs CTCH at 4,634', 0.25 Hr Drop Survey).					
Mud Properties: Chemical/Pac - Wt. 9.1, Vis. 62, PV/YP 15/16, WL 8.8, pH 10.5, Chl. 6K, LCM 4# Wt. on Bit - 42K, RPM - 60, Pump Pressure - 1040, SPM - 65					
Bit No. 2: 7-7/8" RR TRX HC-517, SN#71132, (2-16's, 1-18), in at 3,937', drilled 697' in 41.00 Hrs. 18 < Last 24-ROP- 7-7/8"> 37 Mud Cost \$18,421					

Day	12	Date:	03/14/23 Tuesday	Currently 26'	LTD - 4,636' at 10:25 AM on 03/13/23! Survey at 4,634' (RTD) - 1/2'!
Tearing down for move on Wednesday at 4,634' (RTD) at 7:00 am. Drilled 0' in 24 hours.					
Ran 0.00 hours, Down 24.00 hours (1.50 Clean Pits, 2.75 Run 4-1/2", 1.75 Rig down, 4.00 Tripping, .75 Rig up/down casing crew, .25 Rig up cementers, 1.00 Loggers broke down, .50 Break circ. 2X tripping in, .25 Rig up lay-down line, 1.00 CTCH at 4,634', 1.00 Circulate casing at 4,632', 4.00 Logging, 3.25 Laydown DP/DC, Lay down MHRH, .75 Pull BOP, .50 Set slips).					
Mud Properties: Chemical/Pac - Wt. 9.2, Vis. 96, PV/YP 24/32, WL 8.2, pH 11.0, Chl. 7.5K, LCM 3.0#.					
ROP on the Rickard "M" #1 - 38.62 FPH Total Rotating Hours - 120.00 Hrs					

Production Casing Data:
 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 its: 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.

Final Mud Cost \$19,356

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!

No. 2255

SHANE'S CASING, LLC

P.O. Box 143 Tax ID# 81-3889427

Russell, KS 67665

(785) 324-1849

INVOICE

TO: Molitor Oil Inc		RIG: Sterling 4
8426 W Northridge Ct.		DIRECTIONS:
Wichita KS 67205		
DATE: 13 March 2023	LEASE: Rickard M	COUNTY: 1 Kingman KS

DESCRIPTION OF WORK PERFORMED

PIPE SIZE	FEET	COST
4 1/2"	4622'	

TOOLS: sl ps
cdu
TP

MILEAGE: 128 miles

HANDS: TJ

Brian
Francisco
Tristen

APPROVED BY:

NOTES: 2 hr.

TIME ON JOB 4:30 pm

TIME COMPLETED 1:45 pm

QUALITY WELL SERVICE, INC.

8253

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

Date	3-3-23	Sec.	30	Twp.	29	Range	8	County	Kingman	State	KS	On Location		Finish	4.15	
Lease	Richard m	Well No.	1	Location												
Contractor	Sterling Drilling							Owner To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Surface							Charge To Molitor oil								
Hole Size	12 1/4							T.D. 217								
Csg.	8 5/8							Depth 214.30								
Tbg. Size								Depth								
Tool								Depth								
Cement Left in Csg.	20							Shoe Joint								
Meas Line								Displace 12.3								
EQUIPMENT										1/2 Flow seal						
Pumptrk	3	No.		Common												
Bulktrk	10	No.		Poz. Mix												
Bulktrk		No.		Gel.												
Pickup		No.		Calcium												
JOB SERVICES & REMARKS										Hulls						
Rat Hole										Salt						
Mouse Hole										Flowseal						
Centralizers										Kol-Seal						
Baskets										Mud CLR 48						
D/V or Port Collar										CFL-117 or CD110 CAF 38						
Run with 8 5/8 csg. back										Sand						
condition with 10 pumpers shells										Handling						
11/16 pumpers and pumped 20000										Mileage 45						
water 20 gal 3 1/2 cc 1/2 Flow seal										FLOAT EQUIPMENT						
displaced 12.3 ml 11/16 shell in										Guide Shoe						
had cement to pit.										Centralizer						
										Baskets						
										AFU Inserts						
										Float Shoe						
										Latch Down						
										LMV 45						
										Supervisor						
										Pumptrk Charge Surface						
										Mileage 90						
										Tax						
										Discount						
										Total Charge						

X Signature