

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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MUSTANG

ENERGY CORPORATION

Scale 1:240 Imperial

Well Name: GORDON #1
Surface Location: NW, NE, NW, SE, Sec. 35, T11S, R19W
Bottom Location:
API: 15-051-20313-0001
License Number: 33922
Spud Date: 11/4/2022 Time: 9:45 AM
Region: ELLIS COUNTY
Drilling Completed: 3/26/2023 Time: 9:20 PM
Surface Coordinates: 2345' FSL & 1671' FEL
Bottom Hole Coordinates:
Ground Elevation: 2106.00ft
K.B. Elevation: 2114.00ft
Logged Interval: 3370.00ft To: 3760.00ft
Total Depth: 3760.00ft
Formation: ARBUCKLE
Drilling Fluid Type: CHEMICAL MUD

OPERATOR

Company: MUSTANG ENERGY CORPORATION
Address: PO BOX 1121
HAYS, KS 67601

Contact Geologist: ROD BRIN
Contact Phone Nbr: 785-623-0533
Well Name: GORDON #1
Location: NW, NE, NW, SE, Sec. 35, T11S, R19W
API: 15-051-20313-0001
Pool: Field: SOLOMON
State: KS Country:

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.394822
Latitude: 39.051340
N/S Co-ord: 2345' FSL
E/W Co-ord: 1671' FEL

LOGGED BY

Company: KEYSTONE CONSULTING, LLC
Address: 2511 E 19TH
HAYS, KS 67601

Phone Nbr: (785) 639-0721
Logged By: Geologist Name: CAMERON BRIN

CONTRACTOR

Contractor: DISCOVERY DRILLING
Rig #: 2
Rig Type: MUD ROTARY
Spud Date: 11/4/2022 Time: 9:45 AM
TD Date: 3/26/2023 Time: 9:20 PM

ELEVATIONS

K.B. Elevation: 2114.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 2106.00ft

NOTES

DUE TO NEGATIVE RESULTS ON BOTH DST'S, DECISION WAS MADE TO PLUG AND ABANDON THE GORDON # 1 WELL.

TOPS COMPARISON

FORMATION	GORDON #1				P&A 2/28/23 STECKLINE #1 TOMLINSON OPERATING N2, SW, NW, SE, Sec. 35-11-19				P&A 5/9/67 VINE A #3 J.F. DARBY SW, SE, NE, Sec. 35-11-19				D&A 6/22/81 JENSEN #1 SEVILLE ENERGY NE, NE, SW, Sec. 35-11-19				P&A 10/16/19 JENSEN #1 O'DELL-TOMLINSON S2, SE, NE, SW Sec. 35-11-19											
	LOG TOPS		SAMPLE TOPS		LOG		SMPL.		COMP. CARD		LOG		SMPL.		LOGS		LOG		SMPL.		COMP. CARD		LOG		SMPL.			
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
	KB	2114	GL	2106	KB	2127	RB	2106	KB	2133	KB	2123	KB	2123	KB	2123	KB	2123	KB	2123	KB	2123	KB	2123	KB	2123	KB	2123
ANHYDRITE TOP	1443	671	1445	669	1461	666	+ 5	+ 3					1478	655	+ 16	+ 14	1462	661	+ 10	+ 8								
BASE	1494	620			1500	627	- 7						1507	626	- 6		1501	622	- 2									
TOPEKA	3118	-1004	3118	-1004	3133	-1006	+ 2	+ 2									3130	-1007	+ 3	+ 3								
HEEBNER SHALE	3343	-1229	3344	-1230	3357	-1230	+ 1	+ 0	3328	-1222	- 7	- 8	3366	-1233	+ 4	+ 3	3355	-1232	+ 3	+ 2								
TORONTO	3361	-1247	3362	-1248	3376	-1249	+ 2	+ 1					3385	-1252	+ 5	+ 4	3373	-1250	+ 3	+ 2								
LKC	3383	-1269	3389	-1275	3399	-1272	+ 3	- 3	3368	-1262	- 7	- 13	3405	-1272	+ 3	- 3	3395	-1272	+ 3	- 3								
BKC	3614	-1500	3617	-1503	3629	-1502	+ 2	- 1					3638	-1505	+ 5	+ 2	3625	-1502	+ 2	- 1								
CONGLOMERATE									3610	-1504			3673	-1540														
ARBUCKLE	3665	-1551	3671	-1557	3676	-1549	- 2	- 8	3646	-1540	- 11	- 17					3672	-1549	- 2	- 8								
TOTAL DEPTH	3758	-1644	3760	-1646	3682	-1555	- 89	- 91	3655	-1549	- 95	- 97	3700	-1567	- 77	- 79	3678	-1555	- 89	- 91								

DST #1 3637'-3679' (ARBUCKLE)

DRILL STEM TEST REPORT

Mustang Energy Corporation **35-11s-19w Ellis KS**

PO BOX 1121 **Gordon #1**
Hays KS 67601+1121 Job Ticket: 70795 **DST#: 1**

ATTN: Cameron Brin Test Start: 2023.03.26 @ 07:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 09:29:47 Tester: Spencer J Staab

Time Test Ended: 14:03:32 Unit No: 84

Interval: **3637.00 ft (KB) To 3679.00 ft (KB) (TVD)** Reference Elevations: 2114.00 ft (KB)

Total Depth: 3679.00 ft (KB) (TVD) 2106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8875 Inside

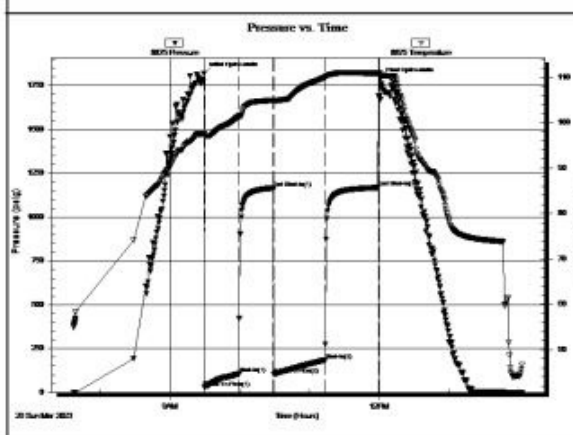
Press@RunDepth: 184.96 psig @ 3640.00 ft (KB) Capacity: psig

Start Date: 2023.03.26 End Date: 2023.03.26 Last Calib.: 2023.03.26

Start Time: 07:37:01 End Time: 14:03:32 Time On Btm: 2023.03.26 @ 09:29:37

Time Off Btm: 2023.03.26 @ 12:01:37

TEST COMMENT: 30-F-BOB 17 mins Built to 18"
30-ISI-Surface Throughout
45-FF-BOB 24.5 mins Built to 19.5"
45-FSI-Surface Died @ 20 mins




Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.34	97.55	Initial Hydro-static
1	25.88	97.07	Open To Flow (1)
30	107.23	101.57	Shut-in(1)
60	1165.94	104.92	End Shut-in(1)
60	103.63	104.73	Open To Flow (2)
105	184.96	110.09	Shut-in(2)
150	1168.51	110.92	End Shut-in(2)
152	1786.64	109.64	Final Hydro-static

Length (ft)	Description	Volume (bbl)
260.00	MW w /oil spots 40%M 60%W	3.41
120.00	WCM w /oil spots 15%W 85%M	1.70
0.00	RW=.568@40F=21,000	0.00

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)

DST #2 3679'-3689' (ARBUCKLE)

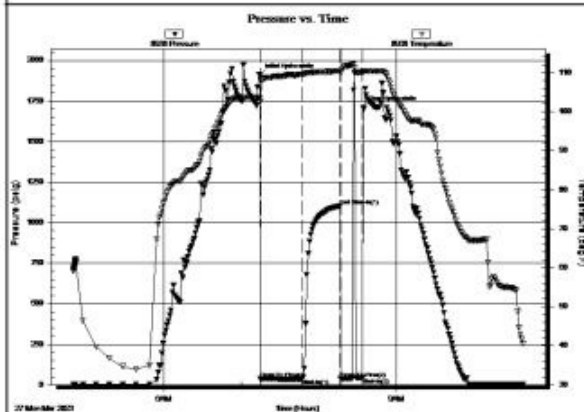
	DRILL STEM TEST REPORT	
	Mustang Energy Corporation PO Box 1121 Hays KS 67601+1121 ATTN: Cameron Brin	35-11s-19w Ellis,KS Gordon #1 Job Ticket: 70315 DST#: 2 Test Start: 2023.03.27 @ 04:50:00

GENERAL INFORMATION:

Formation: Arbuckle	Test Type: Conventional Straddle (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Terrance
Time Tool Opened: 07:14:30	Unit No: 75
Time Test Ended: 10:38:00	Reference Elevations: 2114.00 ft (KB)
Interval: 3679.00 ft (KB) To 3689.00 ft (KB) (TVD)	2106.00 ft (CF)
Total Depth: 3760.00 ft (KB) (TVD)	KB to GR/CF: 8.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

Serial #: 8938 Inside	Capacity: 8000.00 psig
Press@RunDepth: 37.48 psig @ 3680.00 ft (KB)	Last Calib.: 2023.03.27
Start Date: 2023.03.27 End Date: 2023.03.27	Time On Btm: 2023.03.27 @ 07:14:00
Start Time: 04:50:01 End Time: 10:38:00	Time Off Btm: 2023.03.27 @ 08:34:00

TEST COMMENT: IF-30- 1 1/2"
 ISI-30- No return
 FF-20-No blow , flush tool and pull tool








PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1907.23	103.54	Initial Hydro-static
1	36.27	102.67	Open To Flow (1)
33	37.48	109.62	Shut-In(1)
62	1103.60	110.41	End Shut-In(1)
63	39.09	109.91	Open To Flow (2)
80	41.58	109.93	Shut-In(2)
80	1710.42	110.39	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	MUD	0.15

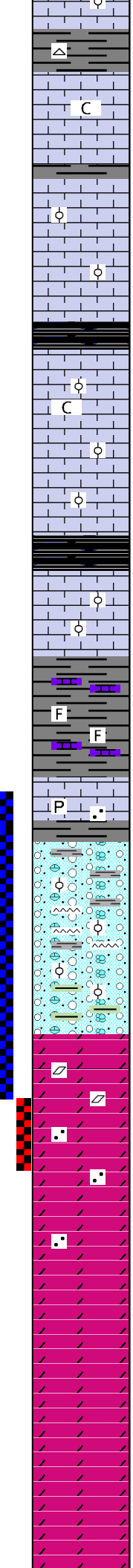
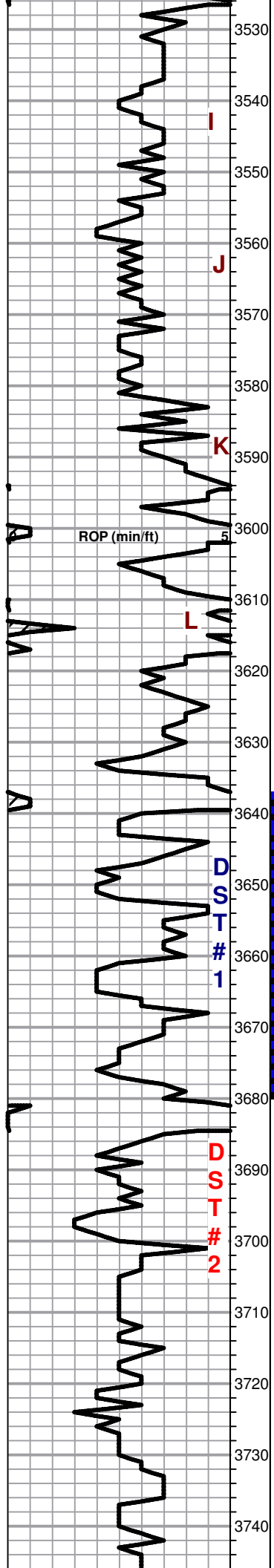
* Recovery from multiple tests

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)

ROCK TYPES

- | | | |
|--|--|---|
|  Dolprim |  Lscongl |  Carbon Sh |
|  Lmst fw7> |  shale, gry | |

ACCESSORIES



Sh- gray-blk-brn, scat wt chert, angular-blocky, oolitic

Lm- crm, v.fnxn, chalky-cherty, scat pr ppt por, scat brn spotty stn, few FO drops in cup, faint odor

Lm- crm, v.fn-fnxln, cherty, oolitic in prt, scat pr ppt & tr oomoldic por, scat brn stn in por, sli sheen FO in cup, fr odor

Sh- blk-gray

Lm- crm, v.fn-fnxln, cherty-chalky, oolitic in prt, scat pr ppt-inoolitic por, scat brn stn in por, sli sheen & few FO drops in cup, fr odor

Lm- crm-tan, v.fn-fnxln, oolitic in prt, cherty

Sh- blk-gray, carb

Lm- crm, v.fn-fnxln, oolitic in prt, cherty, scat pr ppt-inxln-inoolitic & tr vuggy por, scat brn spotty stn in por, few FO drops in cup, faint odor

BKC: SPL 3617' (-1503) LOG 3614' (-1500)

Sh- gray- brn
Lm- crm, v.fnxn, foss, cherty

Lm- crm, v.fn-fnxln, cherty, scat pyrite, few scat pcs of Ss, well sorted, well rounded

Sh- brn- gray

Lm- cong, v.fn-fnxln, oolitic in prt
Chert-wt-tan, semi weathered, oolitic
Sh- gray-brn

A/A, Sh- turq

ARBUCKLE: SPL 3671' (-1557) LOG 3665' (-1551)

Dolo- crm-wt. fn-corxln, rhombic in prt, scat pr-fr inxln por, brn-blk spotty-sat stn, mod SFO, mod odor

Dolo- crm-wt, fn-corxln, rhombic in prt, sucrosic in prt, pr-fr inxln por, brn-blk spotty-sat stn, mod SFO, mod odor

Dolo- crm, fn-mdxln, sandy in prt, dense, scat spotty brn-blk stn, mod SFO in cup, pr odor, abundant in turq shale

Dolo & Sh- A/A

Dolo- crm-wt, fnxn, dense, scat pr ppt-inxln por, scat brn-blk spotty stn, mod SFO in cup, fr odor

Dolo- A/A, pr odor

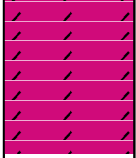
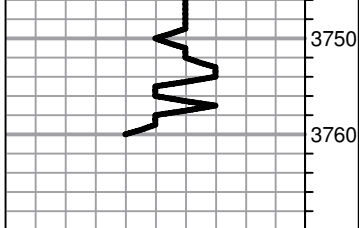
Dolo- crm, fnxn, dense, mostly barren, few scat pcs w. pr ppt-inxln por, few pcs w/ brn spotty stn & blk flaky dead stn, pr SFO, pr- no odor

Dolo- A/A, NSFO, no odor

DST #1
3637'-3679' (ARB)
 30-30-45-45
260' MW w/ O SPTS
120' WCM w/ O SPTS
 SIP: 1165-1168#

SURVEY @ 3679' (3/4°)
 PIPE STRAP 1.16' LONG
 TO BOARD

DST #2 (STRADDLE)
3679'-3689' (ARB)
 30-30-20
30' M
 SIP: 1103#
 (FLUSHED AND PULLED
 TOOL 20 MIN INTO
 SECOND OPEN)



D

Dolo- crm-lt. pink, A/A

RTD: SPL 3760' (-1646) 3758' (-1644)

GEO OFF
LOCATION @ 11:30
AM 3/27/23

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

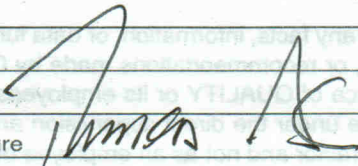

No. **3510**

Date	3-27-23	Sec.	35	Twp.	11	Range	19	County	Ellis	State	KS	On Location		Finish	6:45 pm
								Location							
								Yocemento 8N1E							

Lease	GORDON		Well No.	1		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Contractor	Discovery #2					Charge To									
Type Job	PTA					MUSTANG ENERGY									
Hole Size	7 7/8		T.D.	3760											
Csg.			Depth			Street									
Tbg. Size			Depth			City State									
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.			Shoe Joint			Cement Amount Ordered 305 at 60/40 4									
Meas Line			Displace			4 1/2 Fdw seal									

EQUIPMENT					
Pumptrk	17	No.	Cementer	Bill	
			Helper	Nick	
Bulktrk		No.	Driver	CORT	
			Driver		
Bulktrk	1	No.	Driver		
			Driver		

JOB SERVICES & REMARKS			
Remarks:			
Rat Hole	30	Flowseal	50#
Mouse Hole	15	Kol-Seal	
Centralizers		Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	
	3650 - 50 sks	Handling	316
	1500 - 50 sks	Mileage	
	790 - 100 sks	FLOAT EQUIPMENT	
	270 - 50 sks	Guide Shoe	
	40 - 10 sks	Centralizer	
	RH - 30 sks	Baskets	
	MH - 18 sks	AFU Inserts	
		Float Shoe	
		Latch Down	
		plug - 1 wood 8-8	

Pumptrk Charge	plug	Tax	
Mileage	15	Discount	
Signature 		Thanks 	
		Total Charge	