

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 Recompletion Date _____ 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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Customer Darrah Oil Co		Lease & Well # Ott # 1 - 13		Date 6/18/2021				
Service District Oakley KS		County & State Logan KS		Legals S/T/R 13-11S-36W				
Job Type Surface		<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No				
Equipment #		Driver		Job Safety Analysis - A Discussion of Hazards & Safety Procedures				
73		Jesh		<input checked="" type="checkbox"/> Hard hat <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Lockout/Tagout <input checked="" type="checkbox"/> Warning Signs & Flagging				
208		John		<input checked="" type="checkbox"/> H2S Monitor <input checked="" type="checkbox"/> Eye Protection <input checked="" type="checkbox"/> Required Permits <input checked="" type="checkbox"/> Fall Protection				
205		Kale		<input checked="" type="checkbox"/> Safety Footwear <input type="checkbox"/> Respiratory Protection <input checked="" type="checkbox"/> Slip/Trip/Fall Hazards <input type="checkbox"/> Specific Job Sequence/Expectations				
				<input checked="" type="checkbox"/> FRC/Protective Clothing <input type="checkbox"/> Additional Chemical/Acid PPE <input checked="" 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								
Product/ Service Code								
Description		Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount	
M010	Heavy Equipment Mileage	mi	25.00				\$88.00	
M015	Light Equipment Mileage	mi	25.00				\$44.00	
M020	Ton Mileage	tm	272.20				\$359.30	
D010	Depth Charge: 0'-500'	job	1.00				\$880.00	
CP015	H-325	sack	220.00				\$3,872.00	
Customer Section: On the following scale how would you rate Hurricane Services Inc.?						Gross:	Net: \$5,243.30	
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely						Total Taxable \$ -	Tax Rate:	Sale Tax: \$ -
						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.		
						HSI Representative: <i>Josh Master</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 1/4% 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**



CEMENT TREATMENT REPORT

Customer: Darrah Oil Co	Well: Ott #1-13	Ticket: WP 1528
City, State:	County: Logan KS	Date: 6/26/2021
Field Rep: Juan	S-T-R: 13-11S-36W	Service: PTA

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	H-Plug	Blend:	
Hole Depth:	4960 ft	Weight:	13.8 ppg	Weight:	ppg
Casing Size:	in	Water / Sx:	6.9 gal / sx	Water / Sx:	gal / sx
Casing Depth:	ft	Yield:	1.41 ft ³ / sx	Yield:	ft ³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	0.0406 bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	bbls	Total Slurry:	64.0 bbls	Total Slurry:	0.0 bbls
		Total Sacks:	255 sx	Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
930pm			-	-	arrive on location
945pm				-	safty meeting
1000pm				-	rig up
1033pm	4.4	450.0	5.0	5.0	H2O ahead
1036pm	4.4	450.0	12.5	17.5	Cement 50sks H-Plug at 2800 ft
1042pm	4.4	200.0	5.0	22.5	Displace H2O
1045pm				22.5	Dispace mud with rig pump
				22.5	
1129pm	4.0	550.0	5.0	27.5	H2O ahead
1131pm	5.1	550.0	25.0	52.5	Cement 100sks H-Plug at 1730 ft
1138pm	3.0	300.0	1.0	53.5	Displace H2O
1144pm	3.0	100.0	18.0		shut down
1241am	4.0	250.0	5.0		H2O Ahead
1243am	4.0	200.0	12.5		Cement 50sks H-Plug at 380 ft
1245am	4.0	250.0	1.0		Displace H2O
119am	3.0	100.0	2.5		Cement 10sks H-Plug at 40 ft
131am	3.0	100.0	3.7		Cement 15sks H-Plug mouse hole
135am	3.0	100.0	7.5		Cement 30sks H-Plug Rat Hole
146am					Wash up
200am					rig down
230am					leave location

CREW			UNIT	SUMMARY		
Cementer:	Spencer		64	Average Rate	Average Pressure	Total Fluid
Pump Operator:	John		208	3.8 bpm	277 psi	104 bbls
Bulk #1:	Mike		194/254			
Bulk #2:	Jimmie		914			

Saman Sharifaie

Petroleum Geologist

API #15-109-21620

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Darragh Oil Company, LLC**

LEASE **OH # 1-13**

FIELD **Wildcat**

LOCATION **1338 F.S.L. & 2232 F.W.L.**

SEC **13** TWP **S1S** RGE **36W**

COUNTY **Logan** STATE **Kansas**

CONTRACTOR **Martin Drilling #21**

SPUD **06/18/21** COM **06/26/21**

RTD **4960'** LTD **4961'**

MUD UP **3.50"** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3700'** TO RTD

DRILLING TIME KEPT FROM **3620'** TO RTD

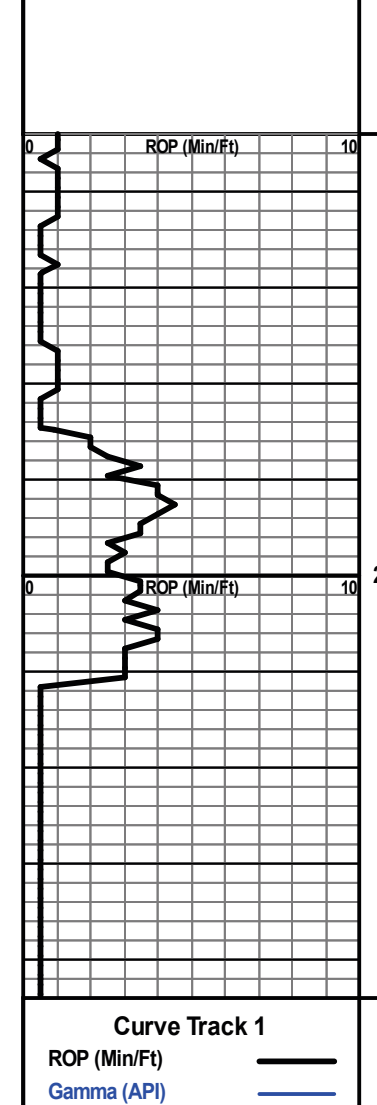
SAMPLES EXAMINED FROM **3700'** TO RTD

GEOLOGICAL SUPERVISION FROM **3300'**

REFERENCE WELL: **Mull Drilling-Johnson 'C' #1**

FORMATION **Sample Tops** **E-log Tops** **Strat**

Ashlydite	2783 (+541)	2784 (+542)	+1
Topeka	3084 (+558)	3087 (+661)	+1
Heebner	4140 (-814)	4141 (-815)	-7
Toronto	4169 (-843)	4168 (-842)	-4
Lansing	4184 (-858)	4184 (-858)	-4
Muncie Creek	4332 (-1006)	4332 (-1006)	+6
BKC	4474 (-1148)	4482 (-1156)	+3
Marmaton	4524 (-1198)	4524 (-1198)	+3
Mississippian	4878 (-1552)	4884 (-1558)	+10

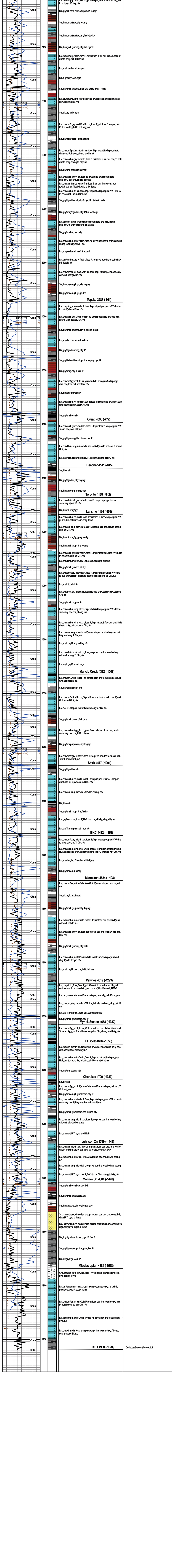


REMARKS: Due to poor to no shows of oil in multiple potential pay zones, it is recommended and agreed upon by all parties that this well be plugged and abandoned.

Respectfully Submitted,
Saman Sharifaie
Petroleum Geologist

API #15-109-21620

*Tops have been adjusted to electric logs



Deviation Survey @ 4960': 0.8°