

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) (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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GLOBAL OIL FIELD SERVICES, LLC

0013246

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>10-31-10</u>	SEC. <u>17</u>	TWP. <u>12 S</u>	RANGE <u>13 W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>1:15 AM</u>
LEASE <u>McAllister</u>	WELL # <u>3</u>	LOCATION <u>North of Russell KS Bently #1 East 2nd</u>		COUNTY <u>Russell</u>	STATE <u>KS</u>		
OLD OR NEW (CIRCLE ONE)		<u>to 15000 yd. in search into</u>					

CONTRACTOR Discovery Drilling Rig #2

TYPE OF JOB surface

HOLE SIZE 12 1/4 T.D. 221'

CASING SIZE 8 3/8 DEPTH 220'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 25'

PERFS

DISPLACEMENT

OWNER John O Farmer

CEMENT AMOUNT ORDERED 150 SK CON 3%CC

26 gal

EQUIPMENT

PUMP TRUCK CEMENTER rody

409 HELPER Brad

BULK TRUCK

379 DRIVER Tom

BULK TRUCK

DRIVER

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run 5 hrs of 8 3/8 casing + Lt hooked to Rig
Broke circulation hooked to truck pump
1 box of cement + displaced 12.5 bbl of H2O
+ shut in.

Cement Did Circulate to Surface

CHARGE TO: John O Farmer

STREET

CITY STATE ZIP

Global Oil Field Services, LLC
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME

SIGNATURE Gene Wick

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 1054

Date	11-4-18	Sec.	17	Twp.	12	Range	13	County	Russell	State	KS	On Location		Finish	6:45 AM
Lease								Well No.		Owner					
McAllister								3		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								Bottom		Charge To					
D. Soren #2										J.O. Farmer					
Type Job										Street					
DU 526										City					
Hole Size								T.D.		State					
7 7/8								3120		The above was done to satisfaction and supervision of owner agent or contractor.					
Csg.								Depth		Cement Amount Ordered					
5 1/2 15.50*								3118		150 lb / salt 5 lb / cement					
Tbg. Size								Depth		Common					
1										150					
Tool								Depth		Poz. Mix					
DU Tool								777		Gel.					
Cement Left in Csg.								Shoe Joint		Calcium					
43								43'		Hulls					
Meas Line								Displace		KCL 1					
								71 1/4 B L		Salt					
EQUIPMENT										750 # 13					
Pumptrk								No.		Flowseal					
18								Cement		Kol-Seal					
								Helper		750 #					
Bulktrk								No.		Mud CLR 48					
								Driver		500 gal					
Bulktrk								No.		CFL-117 or CD110 CAF 38					
								Driver		Sand					
								Driver		Handling					
JOB SERVICES & REMARKS										170					
Remarks:										Mileage					
Rat Hole										FLOAT EQUIPMENT					
Mouse Hole										Guide Shoe					
Centralizers										125' Rotating Scratchers					
Baskets										Centralizer					
D/V or Port Collar										6					
5 1/2 size 3118 Baffle @ 3074										Baskets					
Est Circulation. Pump 500 gal mud clear										2					
10B/KCL Cement 5 1/2 with 150 SK										AFU Inserts					
Clear line & Displace Plug.										DU Tool					
Plug land @ 1500 ft										Float Shoe					
Life Pressure - 6.50										1					
LATCH DOWN										1					
Pumptrk Charge										Mileage					
										prod string Bottom stage					
Signature										Tax					
Ann Kearney										Discount					
										Total Charge					

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 1055

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-4-18	17	12	13	Russell	KS		9:15 AM
Lease <u>McAllister</u>				Well No. <u>3</u>		Owner	
Contractor <u>Discovery #2</u>				To Quality Oilwell Cementing, Inc.			
Type Job <u>DV-505</u>				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <u>7 7/8</u>		T.D. <u>3120</u>		Charge To <u>S.O. Farmer</u>			
Csg. <u>5 1/2</u>		Depth <u>3117</u>		Street			
Tbg. Size		Depth		City State			
Tool <u>DV Tool</u>		Depth <u>777</u>		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered <u>220 80/20 QMDC 1/4#110</u>			
Meas Line		Displace <u>18 BCL</u>		Common <u>220 80/20 QMDC</u>			
EQUIPMENT							
Pumptrk <u>18</u>	No.	Cement	Helper <u>Chris</u>				
Bulktrk	No.	Driver					
Bulktrk <u>21</u>	No.	Driver	Driver <u>Tom</u>				
JOB SERVICES & REMARKS							
Remarks:				Salt			
Rat Hole <u>305K</u>				Flowseal <u>50#</u>			
Mouse Hole <u>155K</u>				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<u>Plug Rathokke Mousehole.</u>				Handling <u>220</u>			
<u>Cement 5 1/2 with 175K</u>				Mileage			
<u>Displace Plug Cement Circulated.</u>				FLOAT EQUIPMENT			
<u>Plug Land'ce 1500#</u>				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>prod string</u>			
				Mileage <u>15</u>			
				Tax			
				Discount			
				Total Charge			
Signature <u>Chris Weaving</u>							

Thanks

Top Stage



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DRILLER'S LOG

Operator: John O. Farmer, Inc. Lic# 5135 Contractor: Discovery Drilling Co., Inc. LIC#31548
370 West Wichita Avenue - P.O. Box 352 PO Box 763
Russell, KS 67665 + 2635 Hays, KS 67601

Lease: McAllister # 3 Location: 1040 FNL - 790 FEL
SE/SW/NE/NE
Section 17/ 12S/ 13W
Russell County, KS

Loggers Total Depth: 3122' API#15- 167-24,080-00-00
Rotary Total Depth: 3120' Elevation: 1729 GL - 1737 KB
Commenced: 10/30/2018 Completed: 11/4/2018
Casing: 8 5/8" @ 220.25'W/150sks Status: to convert to ER
5 1/2" @ 3118'W/150sks
DV Tool @ 777'W/175sks
(Circulated 50sks to Pit)

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>807'</u>
Dakota Sand	<u>169'</u>	Shale & Lime	<u>1371'</u>
Shale	<u>2243'</u>	Shale	<u>1737'</u>
Cedar Hill Sand	<u>322'</u>	Shale & Lime	<u>2033'</u>
Red Bed Shale	<u>411'</u>	Lime & Shale	<u>2889'</u>
Anhydrite	<u>776'</u>	RTD	<u>3120'</u>
Base Anhydrite	<u>807'</u>		

STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

Thomas H. Alm

Subscribed and sworn to before me on 11-12-18

My Commission expires: 6-28-2022

(Place stamp or seal below)

Notary Public





AUSTIN B. KLAUS



Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: McAllister #3
Location: Russell County
License Number: API #15-167-24080-00-00
Spud Date: 10/30/2018
Surface Coordinates: Section 17, Township 12 South, Range 13 West
1040' FNL & 790' FEL
Bottom Hole Coordinates: Vertical well w/ minimal deviation, same as above
Ground Elevation (ft): 1,729
Logged Interval (ft): 2,600
Formation: LKC
Type of Drilling Fluid: Chemical (Andy's Mud)

Region: Kansas
Drilling Completed: 11/3/2018
K.B. Elevation (ft): 1,737
Total Depth (ft): 3,120
To: RTD

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

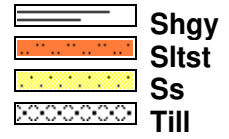
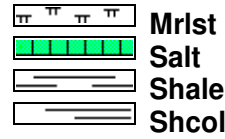
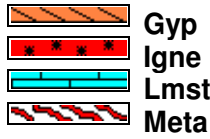
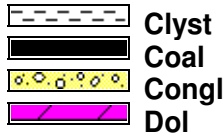
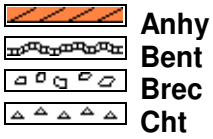
Company: John O. Farmer, Inc.
Address: 370 W. Wichita Ave.
Russell, KS 67665

Comments

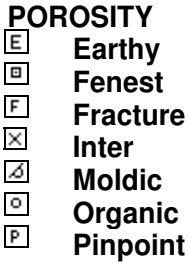
The McAllister #3 well was drilled by Discovery Drilling Rig #2 (Tool Pusher: Terry Wickham).

The location for the McAllister #3 was discovered via 3D seismic survey. Rock samples were gathered and evaluated from 2,600' - 3,120'. Oil shows were encountered in LKC B,C,& G. Structurally, the Lansing top was picked 9' low to the comparison well, McAllister #1. After evaluation of all oil shows & electric logs, the decision was made to set 5 1/2" production casing to further evaluate the McAllister #3 on 11/4/2018.

ROCK TYPES



OTHER SYMBOLS



Vuggy

SORTING
 Well
 Moderate
 Poor

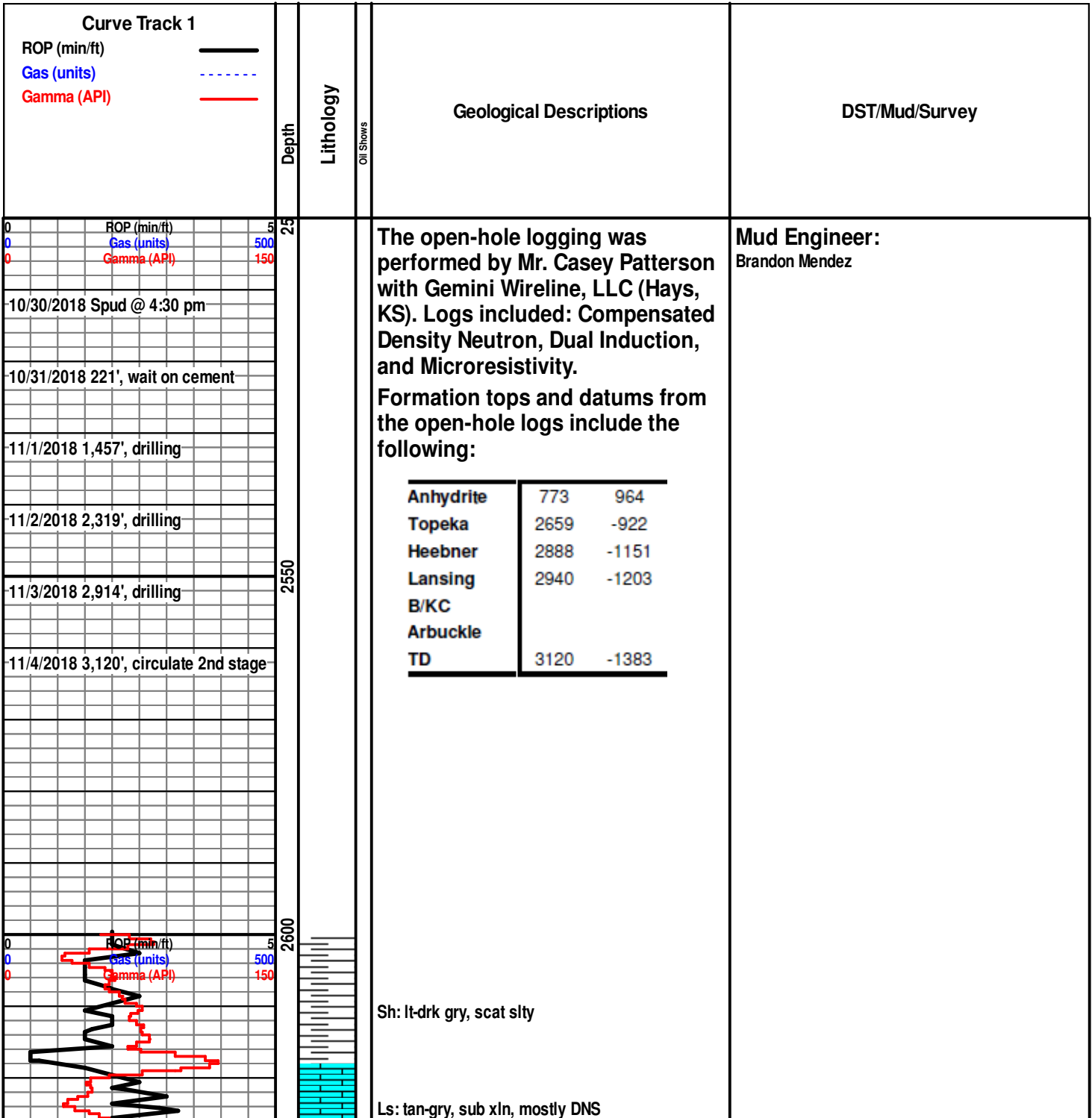
ROUNDING
 Rounded
 Subrnd
 Subang
 Angular

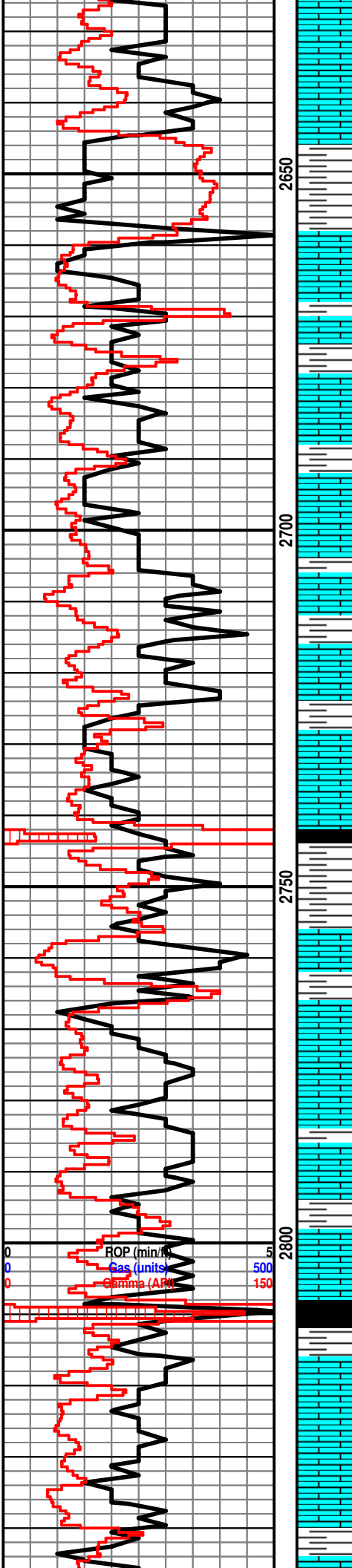
Spotted
 Ques
 Dead

EVENT
 Rft
 Sidewall

INTERVAL
 Core
 Dst

OIL SHOW
 Even





Ls: ala, scat foss

Sh: lt gry, soft

Topeka 2658' (-921)

Ls: off wh-lt gry, fn xln, foss, scat chalk, mostly DNS

Ls: ala, mostly DNS

Ls: tan-lt gry, mottled, sh: lt gry, scat foss, mostly DNS

Ls: off wh-tan, fn xln, sl ool, sl foss, scat poor-fair int xln porosity, barren

Ls: off wh-tan, fn-sub xln, mostly DNS, chalky

Ls: ala

Ls: tan-gry, fn xln, mottled, scat sh: gry, scat chert-drk gry-blk

Sh: drk gry-blk

Ls: tan-gry, fn xln, foss, scat fair int xln porosity, barren

Ls: tan-gry, sub xln, mostly DNS

Ls: tan-gry, fn-sub xln, scat foss, mostly DNS

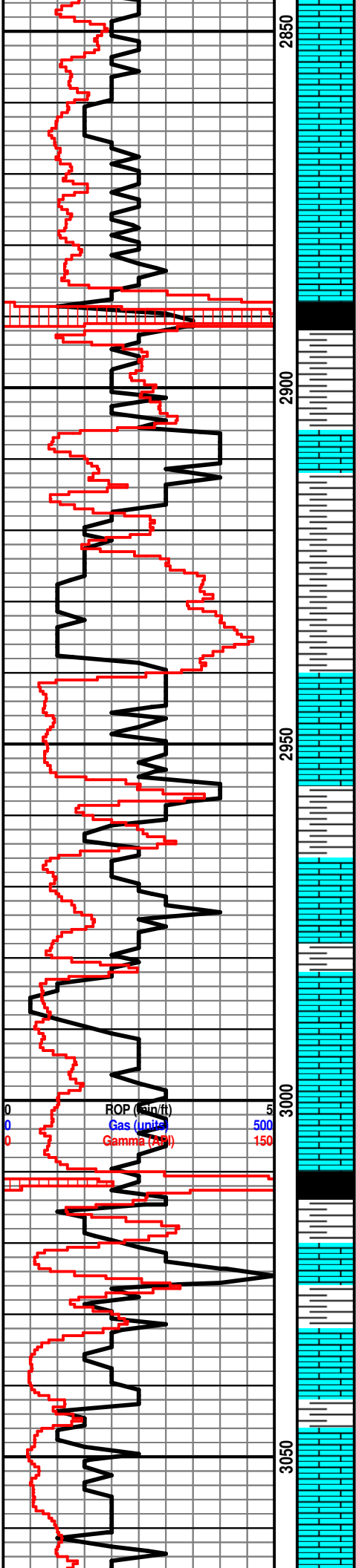
Sh: lt gry

Sh: drk gry-blk

Ls: tan-gry, fn-sub xln, scat ool, mostly DNS, barren

Ls: ala

Sh: lt gry



Ls: tan-gry, fn-sub xln, scat ool in part, mostly DNS

Ls: ala, mostly DNS

Heebner 2885' (-1148)

Sh: blk, carb

Sh: lt gry-brn-grn

Toronto 2904' (-1167)

Ls: off wh-tan, fn-sub xln, mostly DNS, scat chalky, barren

Sh: gry-grn, soft

Sh: ala

Lansing 2938' (-1201)

Ls: off wh-tan, sub xln, scat ool in part, mostly DNS, barren

Sh: gry-brn

Ls: off wh-tan, fn xln, scat foss, poor, scat fair int xln & vuggy porosity, scat oil stn, SSFO, vry sl odor, scat chalk

Sh: lt-drk gry

Ls: off wh-tan, fn xln, scat foss, ool, fair-good oom porosity, fair scat oil stn, FSFO when broken, fair-good odor, scat yel fluor

Ls: off wh-tan, fn-sub xln, scat foss, ool in part, mostly DNS

Sh: drk gry-blk

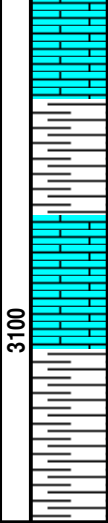
Ls: off wh-tan, fn-sub xln, mostly DNS, barren

Ls: off wh-tan, fn xln, ool, poor- scat fair oom porosity, vry lt scat oil stn in porosity, NSFO, no odor

Ls: off wh-tan, fn xln, ool, fair-good oom porosity, fair-good oil stn, F-GSFO when broken, fair-good odor, scat fair yel fluor

Ls: off wh-tan, fn-sub xln, mostly DNS, scat ool

Wt: 8.9
Vis: 63



Ls: ala

Sh: drk gry

Ls: tan, fn-sub xln, ool in part, mostly DNS,
barren

Sh: lt-drk gry