



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1200965
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1200965

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	Horning A 3
Doc ID	1200965

Tops

Name	Top	Datum
Anhydrite	2007'	(+409)
Heebner	3456'	(-1040)
Toronto	3485'	(-1069)
Lansing	3499'	(-1083)
Base/KC	3678'	(-1262)
Arbuckle	3728'	(-1312)
Reagan	3741'	(-1325)
Granite	3759'	(-1343)
L.T.D.	3816'	(-1400)

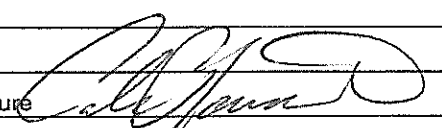
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 7597

Date	1-27-14	Sec.	30	Twp.	3	Range	23	County	Nocton	State	Ks	On Location		Finish	8:30 PM
Lease								Location		Hill City Ks N to Hwy 9, 3W, 8N, 3W					
Hocning A								Well No.		#3					
Contractor								Owner							
Ww #12								to 3rd rd, 1/2 N w/I into							
Type Job								To Quality Oilwell Cementing, Inc.							
Surface								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				T.D.		Depth		Charge To							
12 1/4"				292'		292'		T.O. Farmer							
Csg.				Depth		Street									
8 3/8"															
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									
20'				20'		170 5x Common 3% CC									
Meas Line				Displace		2 3/8 Gel									
				17 1/4 BU											
EQUIPMENT												Common			
												170			
Pumptrk				No.		Cementer		Poz. Mix							
16						Helper		Billy							
Bulktrk				No.		Driver		Gel.							
9						Driver		3							
Bulktrk				No.		Driver		Calcium							
p.u.						Driver		7							
JOB SERVICES & REMARKS												Hulls			
Remarks:												Salt			
Cement did Circulate															
Rat Hole												Flowseal			
Mouse Hole												Kol-Seal			
Centralizers												Mud CLR 48			
Baskets												CFL-117 or CD110 CAF 38			
D/V or Port Collar												Sand			
												Handling			
												180			
												Mileage			
FLOAT EQUIPMENT															
												Guide Shoe			
												Centralizer			
												Baskets			
												AFU Inserts			
												Float Shoe			
												Latch Down			
												Pumptrk Charge			
												Surface			
												Mileage			
												58			
X Signature 												Tax			
												Discount			
												Total Charge			

JOB LOG

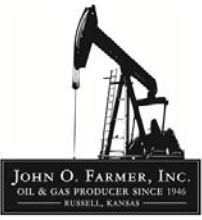
SWIFT Services, Inc.

DATE 2-1-14 PAGE NO. 1

CUSTOMER JOHN O. FARMER WELL NO. A #3 LEASE HORNING JOB TYPE 5/2-STAGE LONGSTRING TICKET NO. 25816

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							ON LOCATION
	1200							START 5 1/2" CASING IN WELL
								TD-3820 SET = 3816
								TP-3819' 5 1/2" # 14
								ST-23
								CENTRALIZERS - 1, 3, 5, 7, 9, 43, 60
								CMT BSKTS - 2, 10, 43 (1/2 UP), 59
								DV TOOL - 2008 TOPT # 43
	1400							DROP BALL - CIRCULATE ROTATE
	1450	6	12		✓		400	PUMP 500 GAL MUD FLUSH
	1452	6	20		✓		400	PUMP 20 BBLs KCL-FLUSH
	1502	4 1/2	42		✓		250	MIX CEMENT - (175 SKS EA-2) @ 15.4 PPG
	1512							WASH OUT PUMP - LEVES
	1512							RELEASE 1ST STAGE CATCH DOWN PLUG
	1515	6 1/2	0		✓			DISPLACE PLUG
	1530	6	92.6				1500	PLUG DOWN - PSE UP CATCH IN PLUG
	1533							OK RELEASE PSE - HELD
	1535							DROP DV OPENING PLUG
	1545				✓		1400	OPEN DV - CIRCULATE
	1605	6	20		✓		300	PUMP 20 BBLs KCL-FLUSH
	1610		7					PLUG RH (30SKS)
	1615	6	114		✓		150	MIX CEMENT - (205 SKS SMD) @ 11.2 PPG
	1637							WASH OUT PUMP - LEVES
	1637							RELEASE DV CLOSING PLUG
	1640	5 1/2	0		✓			DISPLACE PLUG
	1650	5	49				1500	PLUG DOWN - PSE UP CLOSE DV TOOL
	1652							OK RELEASE PSE - HELD
								CIRCULATED SKS 50 CEMENT TO PT
								WASH TRUCK WAY WT
	1800							JOB COMPLETE

THANK YOU
WAYNE, JASON, JUAN, DOUG



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: Horning A #3
Location: Norton County
License Number: API # 15-137-20,680-0000
Spud Date: 1/27/14
Surface Coordinates: Section 30 - Township 3 South - Range 23 West
1,430' FNL & 1,210' FEL
Bottom Hole Coordinates: Vertical well with minimal deviation, same as above
Ground Elevation (ft): 2,408' K.B. Elevation (ft): 2,416'
Logged Interval (ft): 3,200' To: RTD Total Depth (ft): 3,820'
Formation: Lansing, Granite
Type of Drilling Fluid: Chemical (Andy's)

Region: Kansas

Drilling Completed: 1/31/14

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

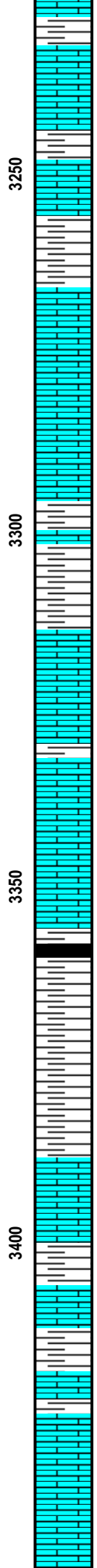
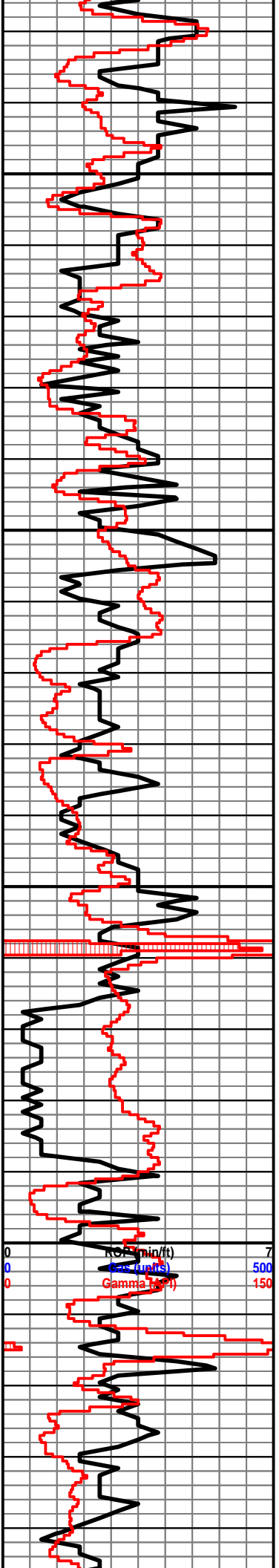
OPERATOR

Company: John O. Farmer, Inc.
Address: P.O. Box 352
Russell, KS 67665

Comments

The Horning A #3 well was drilled by WW Drilling Rig #12 (Tool Pusher: Calvin Pfannenstiel).

The location for the Horning A #3 well was located via 3D seismic survey. Geologic samples were collected and examined from 3,200-3,820'. After all sample and electric log data was gathered and evaluated, the decision was made to run 5 1/2" production casing on 2/1/14 to further evaluate the Horning A #3 well.



Chalky

Ls: ala

Sh: drk gry-brn, scat grn

Ls: off wh-lt gry, fn xln, poor pp vuggy porosity, chalky, sl fossil

Ls: ala

Sh: drk gry-brn-grn

Ls: tan-buff, fn xln, poor int xln porosity, sl chalky, NSFO

Ls: off wh-lt gry, fn xln, poor int xln porosity, chalky, sl fossil

Ls: tan-lt gry, fn-sub xln, vry DNS, chalky

Ls: ala

Sh: drk gry-brn, scat blk

Sh: ala

Ls: tan-lt gry, fn xln, scat int xln porosity, sl chalky, chert-off wh, sl fossil

Ls: off wh, fn xln, fossil, poor int fossil porosity, sl chalky, NSFO

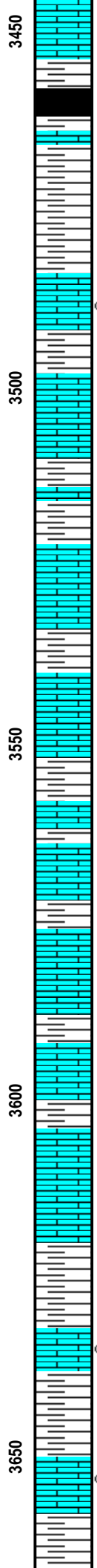
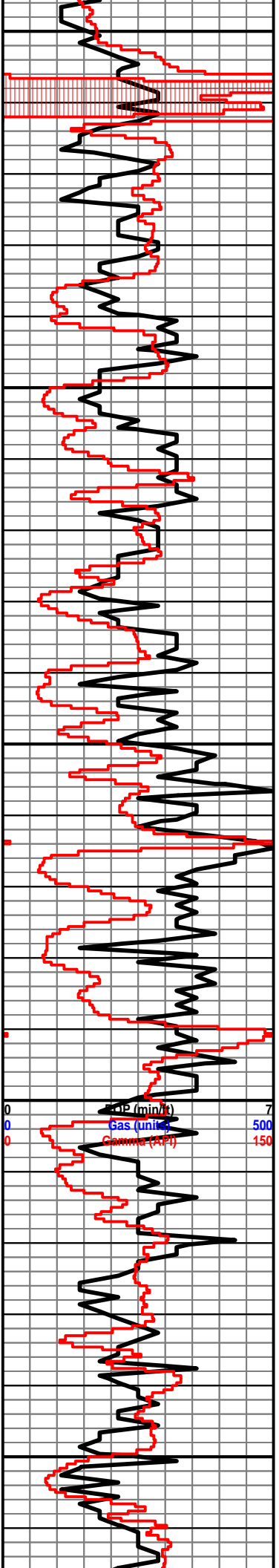
Sh: drk gry-brn-rd, soft

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

Ls: tan-lt gry, fn xln, scat int xln porosity, scat chert-off wh, sl chalky

Ls: ala, scat sh: gry-grn, soft

ROF (min/ft) 7
 Por (un/s) 500
 Gamma (cp) 150



Ls: off wh-tan, fn xln, poor int xln porosity, chalky

Heebner 3462' (-1046)

Sh: drk gry-blk, carb, fissile

Sh: gry-grn, vry soft

Ls: off wh, fn xln, poor int xln porosity, scat chert-off wh, sl chalky

Toronto 3490' (-1074)

Ls: off wh-lt gry, fn xln, poor int xln porosity, lt oil sat, VSSFO, lt odor, scat chert-off wh

Lansing 3503' (-1087)

Ls: off wh, fn xln, poor int xln porosity, mostly barren, scat chert-off wh

Ls: ala, hvy chert-off wh

Sh: drk gry-brn

Ls: off wh-lt gry, fn-sub xln, vry DNS, hvy chert-off wh, sl chalky

Ls: off wh, fn xln, fossil, poor int fossil porosity, scat lt oil sat, NSFO, no odor, sl chalky

Sh: drk gry

Ls: off wh-tan, fn xln, fossil, poor int xln & int fossil porosity, mostly barren, vry lt scat oil st, NSFO, no odor, hvy chert-off wh

Sh: gry

Ls: tan-lt gry, fn-sub xln, vry poor int xln porosity, mostly DNS, scat chert-off wh, scat fossil

Ls: off wh-lt gry, fn xln, fossil, poor int fossil porosity, lt oil st, NSFO, no odor, sl chalky

Sh: drk gry-brn

Ls: off wh, fn xln, fossil, fair int fossil porosity, fair-lt oil st, SSFO, sl odor, chert-off wh

Ls: tan-gry, fn xln, vry poor int xln porosity, DNS, mostly barren, scat chert-off wh, scat pyrite

Wt: 8.9
Vis: 61

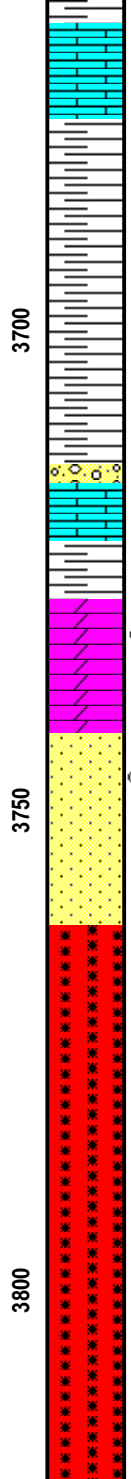
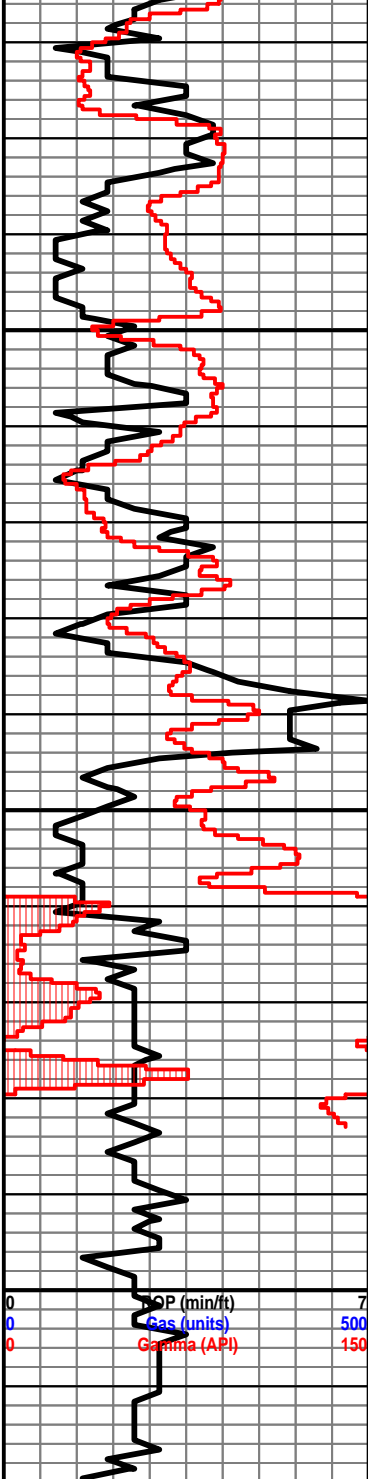
Sh: drk gry-brn-rd

Ls: off wh, fn xln, fossil, fair int fossil porosity, fair oil sat, SSFO, sl odor, scat chalky, sl chert-off wh

Sh: drk gry-brn

Ls: off wh-crm, fn xln, fossil, poor-fair int fossil porosity, fair-good oil st, SSFO, fair odor, chalky

Sh: drk gry



Ls: off wh-lt gry, fn xln, poor int xln porosity, barren, chalky

B/KC 3683' (-1267)

Sh: drk gry-brn

Sh: lt gry-brn, vry soft

Sh: drk gry-drk brn, scat ls: tan-lt gry, vry DNS,

Congl: chert-off wh-drk brn, sh: drk gry-grn

Ls: off wh-lt gry, fn xln, scat qtz: fn-md grn, subrnd, poor-fair int grn porosity, SSFO, sl odor

Arbuckle 3728' (-1312)

Dolo: off wh-lt gry, fn-md sucrosic xln, fair int xln porosity, fair-good oil sat, FSFO, fair-good odor, fair yel fluor

Reagan Sand 3741' (-1325)

Ss: Qtz, fn-vry fn grn, fairly well rnd, poorly cemented, fair int grn porosity, good oil sat, SSFO, fair odor, dull yel fluor

Granite Wash 3762' (-1346)

Qtz: clr-pink, sub rnd-ang, poorly sorted, poor int grn porosity, vry DNS

Qtz: ala

Qtz: clr-pink, fn-md grn, sub rnd-ang, poorly sorted, poor int grn porosity, vry DNS, scat sh: drk gry-drk brn

SP (min/ft) 7
 Gas (units) 500
 Gamma (API) 150