

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
--	---

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
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	ADDIE 3
Doc ID	1467892

All Electric Logs Run

Sonic Log
Dual Induction
Compensated Density-Neutron Log
Micro Log

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	ADDIE 3
Doc ID	1467892

Tops

Name	Top	Datum
Heebner	3908	-1910
Brown Lime	4071	-2073
Lansing	4087	-2089
Stark	4351	-2353
B/KC	4482	-2484
Pawnee	4548	-2550
Cherokee	4586	-2588
Mississippi	4631	-2633
Viola	4674	-2676
Simpson	4785	-2787



**OPERATOR**

Company: Charles N. Griffin  
Address: PO Box 347  
Pratt, KS 67124

Contact Geologist:  
Contact Phone Nbr:

Well Name: #3 Addie  
Location: Section 28-29S-15W  
Pool:  
State: Kansas

API: 15-151-22488  
Field: Croft  
Country: USA

Scale 1:240 Imperial

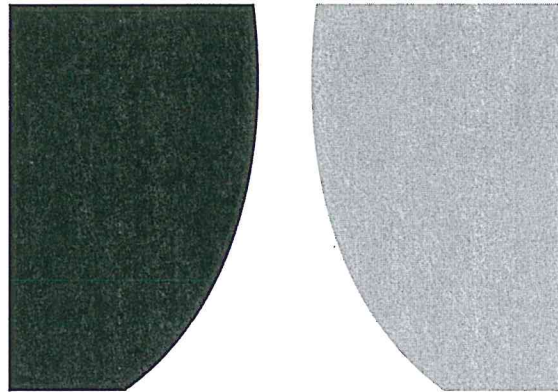
Well Name: #3 Addie  
Surface Location: Section 28-29S-15W  
Bottom Location:  
API: 15-151-22488  
License Number:  
Spud Date: 4/19/2019 Time: 8:00 PM  
Region: Pratt County  
Drilling Completed: 4/24/2019 Time: 4:45 AM  
Surface Coordinates: 1850' FSL / 1450' FWL  
Bottom Hole Coordinates:  
Ground Elevation: 1987.00ft  
K.B. Elevation: 1998.00ft  
Logged Interval: 3800.00ft To: 4810.00ft  
Total Depth: 4810.00ft  
Formation:  
Drilling Fluid Type: Chemical (MudCo)

Drilling Fluid Type: Chemical (Mudoc)

**SURFACE CO-ORDINATES**

Well Type: Vertical  
Longitude: Latitude:  
N/S Co-ord: 1850' FSL / 1450' FWL  
E/W Co-ord:

**LOGGED BY**



**TERRATECH**

## ENERGY SERVICE, LLC

Company: TerraTech Energy Service LLC.  
Address: 1632 S. West St. Suite 12  
Wichita, KS 67208

Phone Nbr: 316-617-3959  
Logged By: Geologist

Name: Bruce Reed

### CONTRACTOR

Contractor:	WW Drilling	
Rig #:	14	
Rig Type:	mud rotary	
Spud Date:	4/19/2019	Time: 8:00 PM
TD Date:	4/24/2019	Time: 4:45 AM
Rig Release:	4/25/2019	Time: 10:45 AM

### ELEVATIONS

K.B. Elevation:	1998.00ft	Ground Elevation:	1987.00ft
K.B. to Ground:	11.00ft		

### NOTES

Surface Casing: 8-5/8" at 267'  
Production Casing: 5-1/2" at 4795'

Daily Penetration: 04/19/19 Spud @ 8:00 PM  
04/20/19 267'



Production Casing: 5-1/2" at 4795'

Daily Penetration: 04/19/19 Spud @ 8:00 PM  
04/20/19 267'  
04/21/19 1693'  
04/22/19 2839'  
04/23/19 3901'  
04/24/19 4810' RTD @ 4:45 AM  
04/25/19 4810' Rig released @ 10:45 AM

FORMATION TOPS

Formation	Sample Top	Datum	Log Top	Datum	Comparison*
Heebner	3908'	-1910	3908'	-1910	+1
Brown Lime	4071'	-2073	4073'	-2075	-2
Lansing	4087'	-2089	4087'	-2089	-2
Stark	4351'	-2353	4354'	-2356	-5
Base KC	4482'	-2484	4485'	-2487	-12
Pawnee	4548'	-2550	4551'	-2553	-16
Cherokee	4586'	-2588	4589'	-2591	-19
Mississippi	4631'	-2633	4631'	-2633	-39
Viola	4674'	-2676	4676'	-2678	-24

\*Griffin Management, #2 Addie, 1190' FSL & 790'FWL Section 28-29S-15W, Pratt County, Kansas

**ROCK TYPES**

	Cht		Lmst fw7>		Carbon Sh
	Dolprim		shale, gry		Ss

**OTHER SYMBOLS**

**INTERVALS**

- Core
- DST

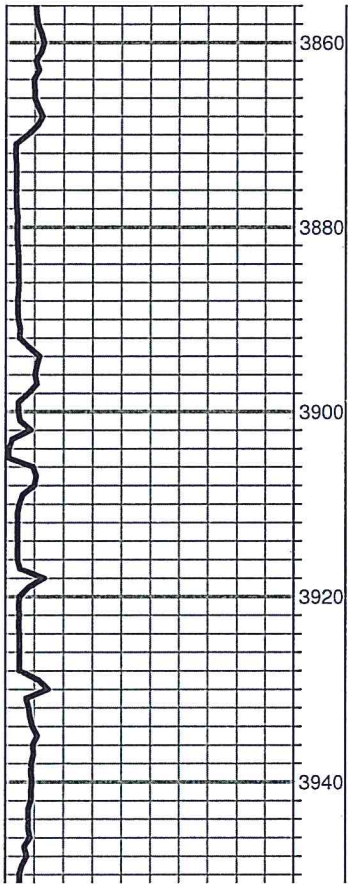
**Oil Show**

- Good Show
- ⊙ Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- \* Gas

**DST**

- DST Int
- DST alt
- Core
- || tail pipe





Limestone: as above

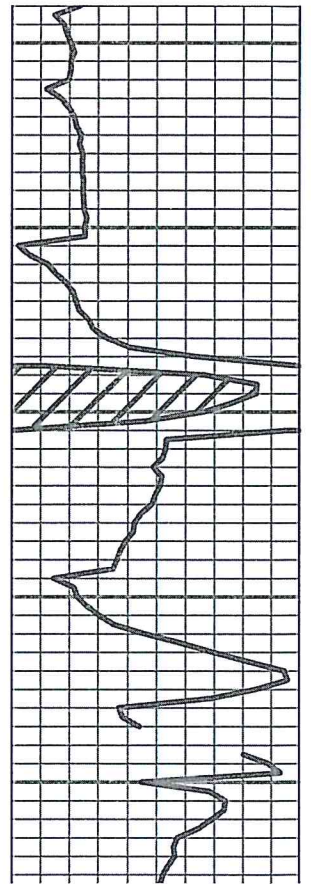
Shale: gray-green-brown

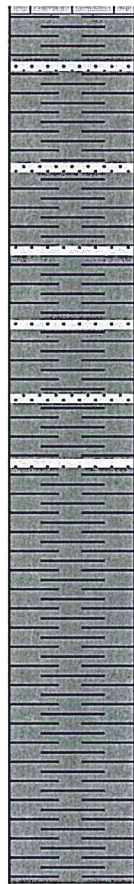
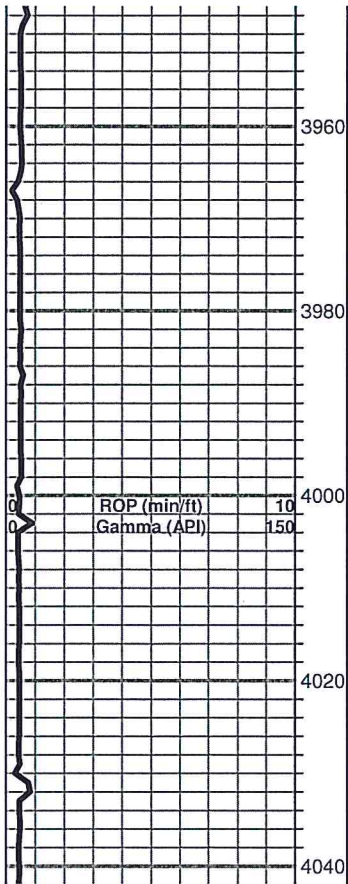
Shale: dark gray-brown-black, few pieces light tan, dense limestone

**Heebner 3908' (-1910)**

\* Shale: black, carbonaceous, fissile, bleeds gas, trace dense, brown, limestone

Limestone: cream-white, fine crystalline, sub chalky





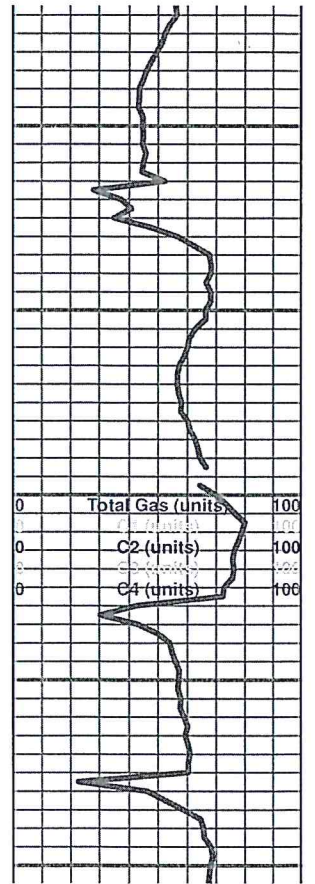
Shale: light gray-brown, silty/sandy

Shale: brown-gray-green, silty/sandy

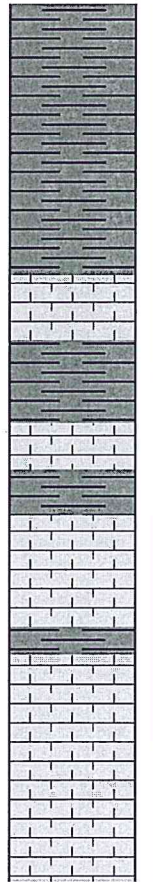
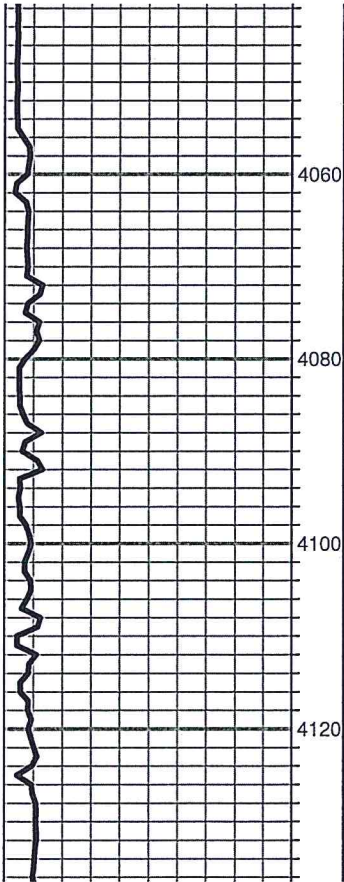
\* Shale: dark gray-brown-black, sandy, few pieces bleed gas

Shale: as above, less sandy

Shale: as above, trace very fine grained sandstone







Shale and sandstone as above

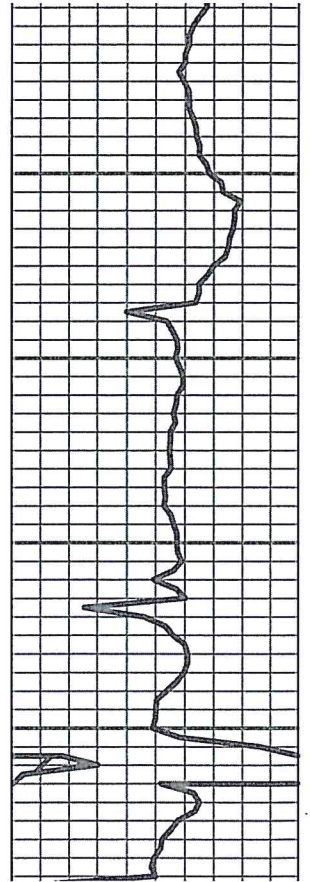
**Brown Lime 4071' (-2073)**

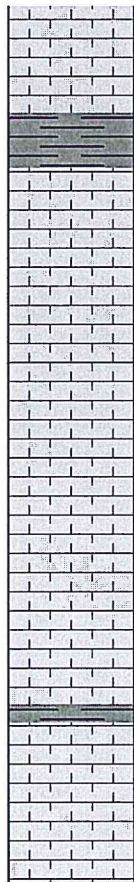
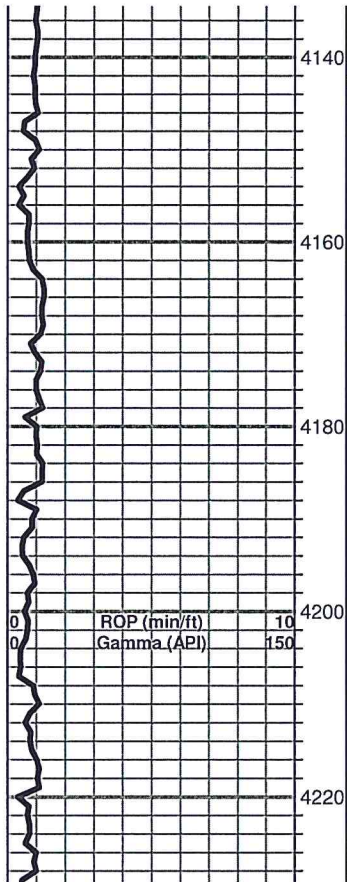
Limestone: tan-brown, fine crystalline, poor visible porosity, sub shaley

**Lansing 4087' (-2089)**

Limestone: light tan-cream, fine crystalline, dense, sub shaley

Limestone: more cream, fine crystalline, poor to no visible porosity, dense





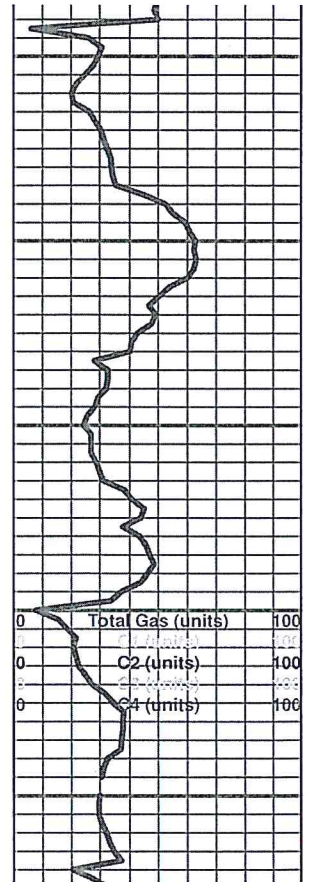
Limestone: cream-white, fine crystalline, dense

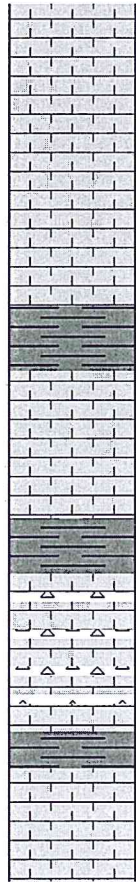
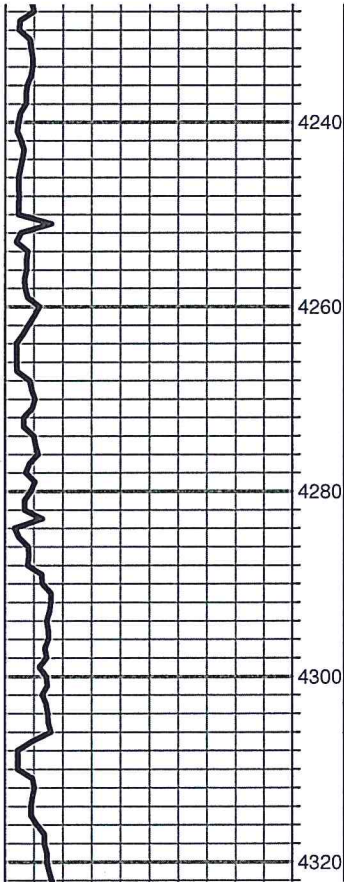
Limestone: cream-light tan-white, fine crystalline, very slightly fossiliferous, poor to fair visible porosity, very faint odor, no show

Limestone: cream-white, fine crystalline, sub chalky

Limestone: cream-white, fine crystalline, poor visible porosity, dense, sub chalky

Limestone: cream, fine crystalline, poor to no visible porosity, trace chalky





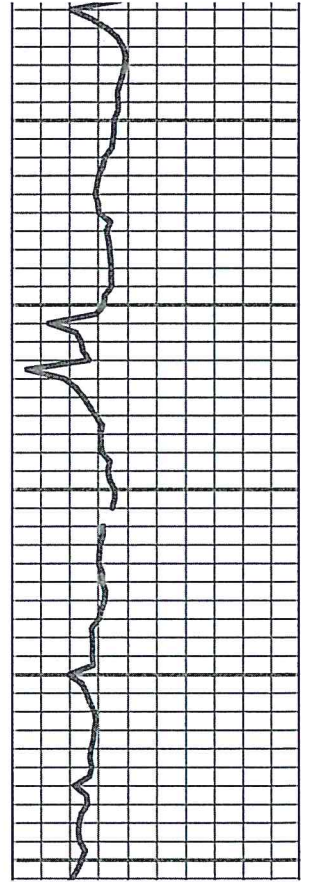
Limestone: cream-gray, fine crystalline, poor to no visible porosity, dense

Limestone: as above

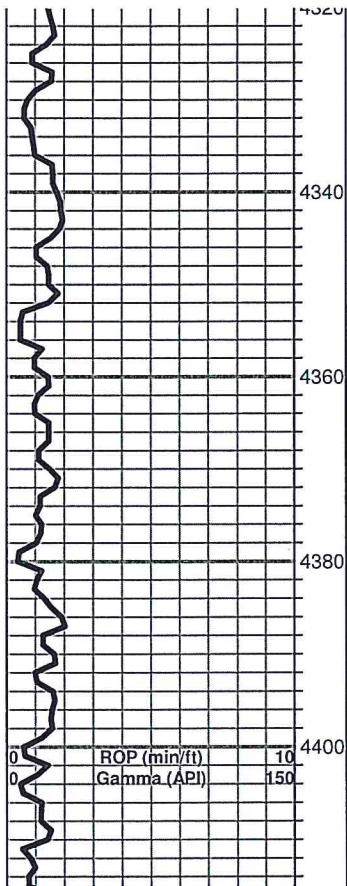
Limestone: light tan-cream-light gray, fine crystalline to fossiliferous, dense

Limestone: cream-light tan, fine to slightly medium crystalline, poor visible porosity, dense, sub cherty

Limestone: cream-medium tan, fine crystalline, poor to no visible porosity, dense







porosity, dense

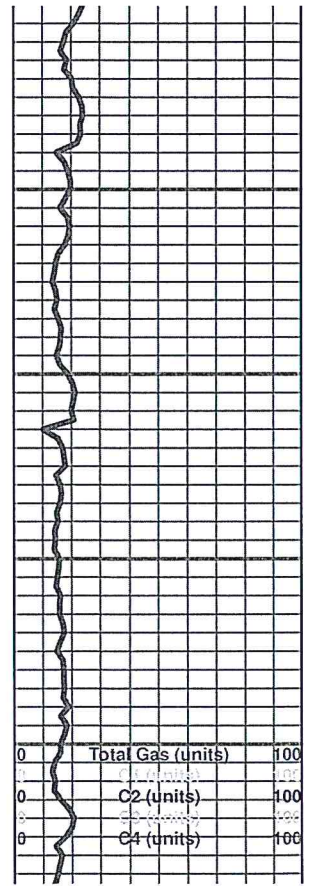
Limestone: more cream, fine crystalline, slightly fossiliferous, dense

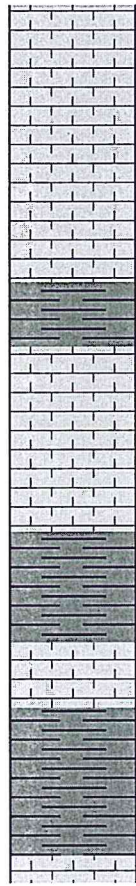
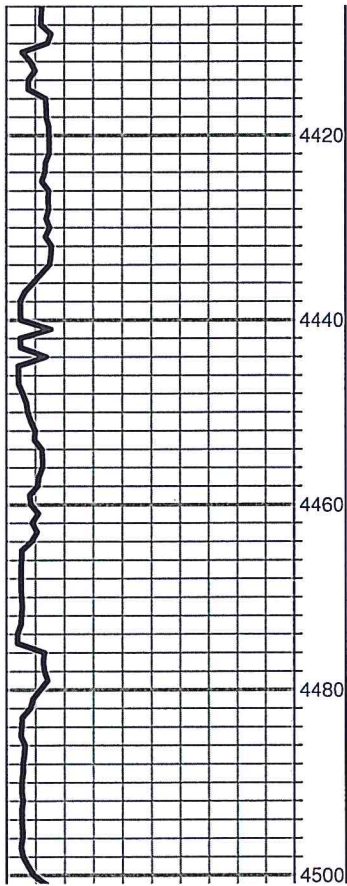
**Stark 4351' (-2353)**

Limestone: cream-light tan-white, fine crystalline, slightly fossiliferous, sub chalky, some dark gray, soft shale

Limestone: as above

Shale: black





Limestone: cream-white, fine crystalline, sub chalky, dense

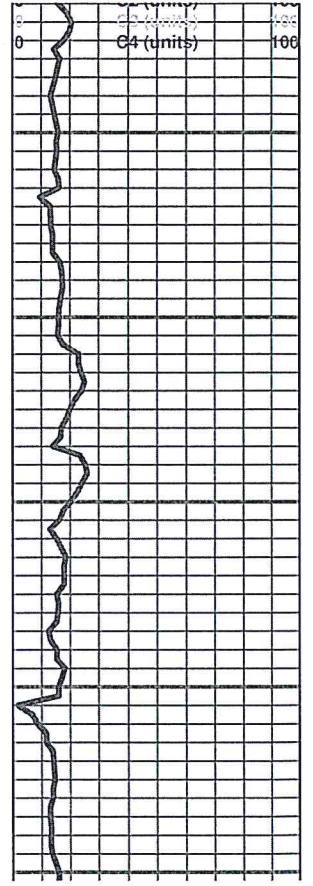
Shale: dark-medium gray-green

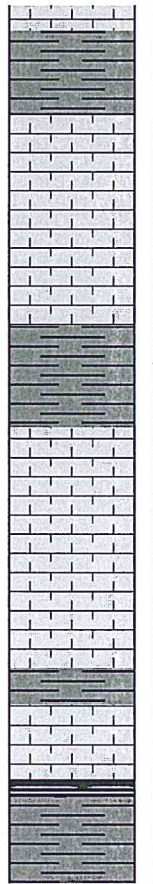
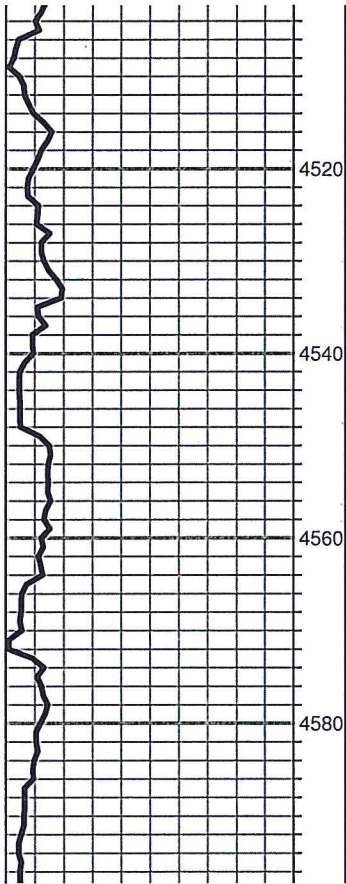
Limestone: cream-gray, fine crystalline, poor to no visible porosity

Limestone: gray, dense with flood gray-medium gray-black shale

**B/KC 4482' (-2484)**

Flood vari-colored shale with dense gray-brown limestone





Limestone: cream-light tan-gray, fine crystalline, slightly fossiliferous, sub chalky, samples carry lots of gray-green shale

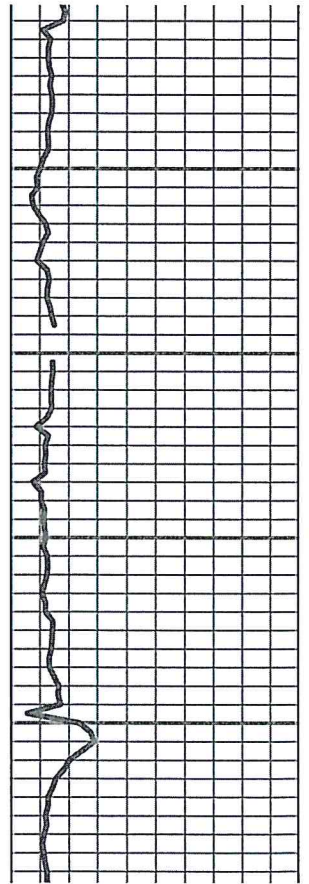
Shale: gray-green

**Pawnee 4548' (-2550)**

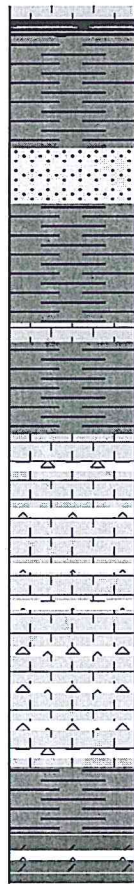
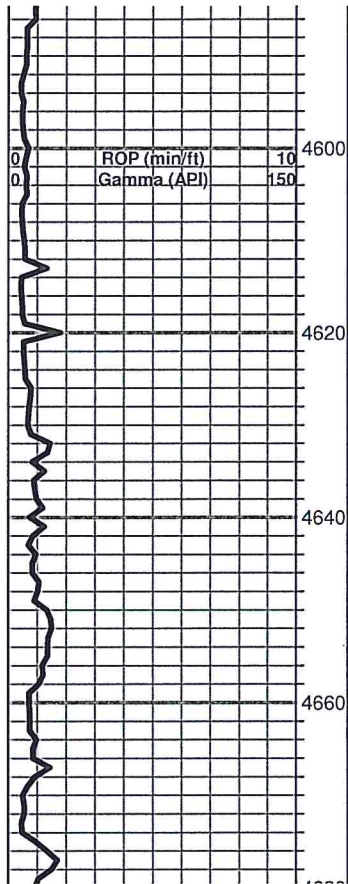
Limestone: cream-white-light tan, fine crystalline, poor to no visible porosity, dense

Limestone: cream-light tan, fine to micro-crystalline, no visible porosity, sub shaley

**Cherokee 4586' (-2588)**







**ONEFOUR 4500 (-2500)**

Shale: dark-medium gray-red

Shale: pale green-gray, few fine grained sandstone clusters, no shows

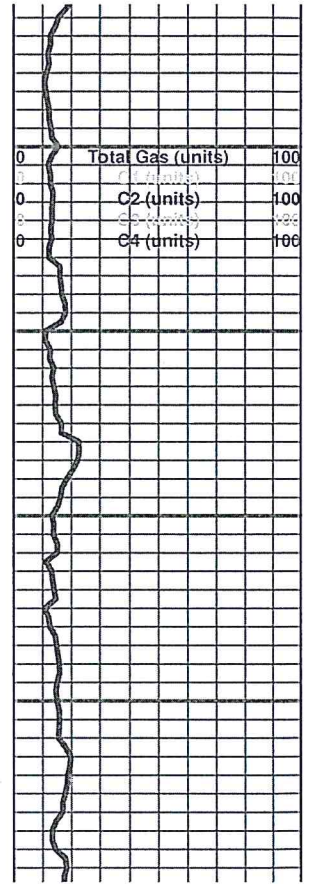
**Mississippi 4631' (-2633)**

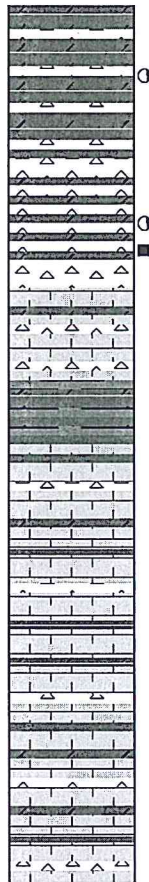
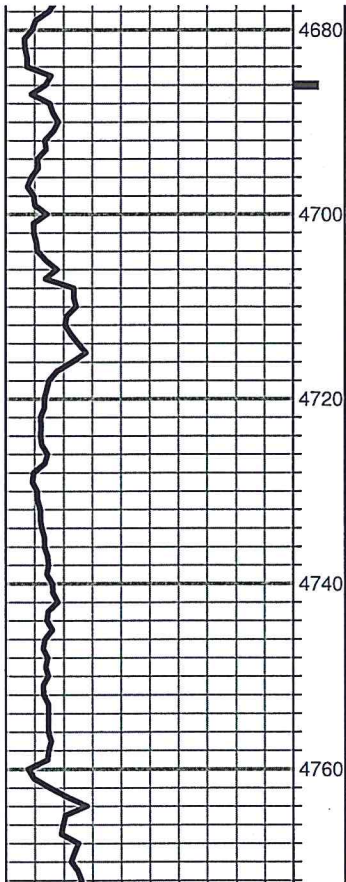
Limestone: cream-light tan, fine crystalline, dense, Chert: mostly vitreous, few pieces weathered, black edge stain, no odor or show free oil

Cherty limestone: as above

Shale: pale green

**Viola 4674' (-2676)**





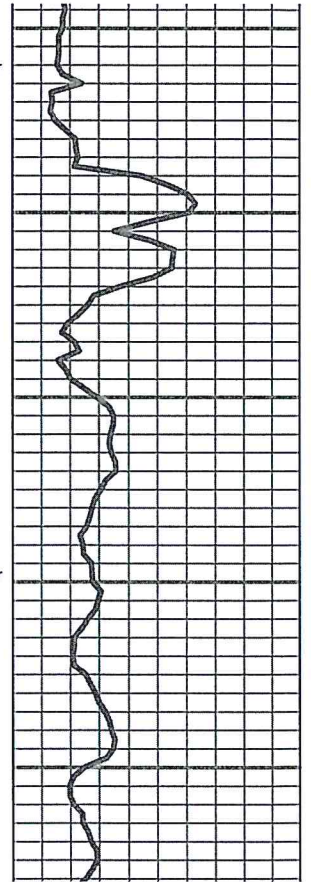
○ Circulated at 4686' Dolomite: dark brown, fine crystalline, sucrosic, poor inter-crystalline porosity, no odor, few pieces show oil, scattered white-cream vitreous chert

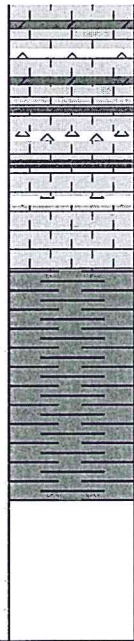
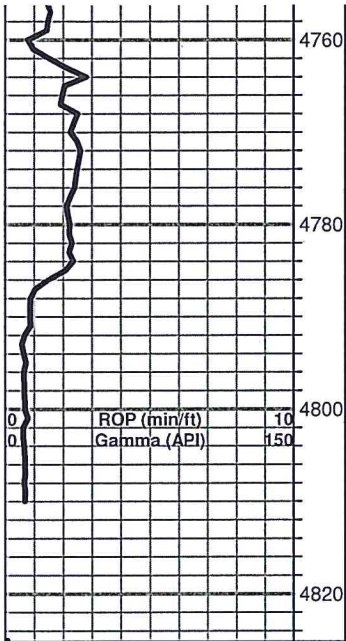
○ Dolomite: cream-light tan, fine crystalline, sucrosic, most pieces look tite, some white, vitreous chert, faint odor in fresh, some bright yellow fluorescence, slight showfree oil

Shales and dolomitic limestone: cream-light tan, fine crystalline, lots of vitreous, opaque chert, no shows

Dolomitic limestone: light tan-white, fine crystalline, some pieces appear sandy, lots of chert, no shows

Cherty dolomitic limestone: cream, barren



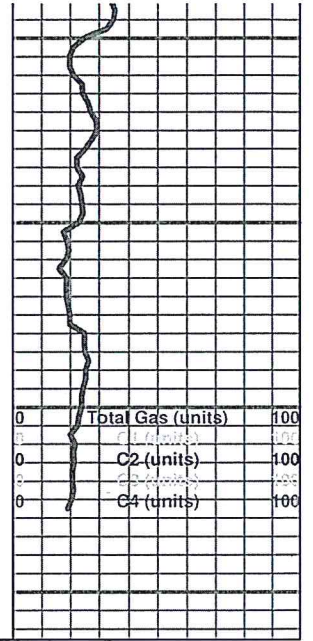


Cherty dolomitic limestone: cream, barren

Cherty dolomitic limestone: cream-white, barren

**Simpson 4785' (-2787)**

Flood Simpson type shale





# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410  
Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

In v 7102  
C-2009

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-20-19	28	29S	15W	PRATT	Ks		
Lease <i>Alaie</i>	Well No. <i>23</i>	Location <i>PRATT, KS W on HWY 5A to Rd 140th</i>					
Contractor <i>WW Delg Rig # 14</i>	Owner <i>10S to Rd 100th 1EA to 130th 2S E into</i>						
Type Job <i>SURFACE</i>	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.						
Hole Size <i>12 1/4</i>	T.D. <i>267'</i>	Charge To <i>GRIFFIN CHARLES</i>					
Csg. <i>8 5/8 23"</i>	Depth <i>267</i>	Street					
Tbg. Size	Depth	City					
Tool	Depth	State					
Cement Left in Csg. <i>25</i>	Shoe Joint <i>25</i>	The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line	Displace <i>15.7</i>	Cement Amount Ordered <i>400s Common 2 1/2 GEL</i>					
<b>EQUIPMENT</b>				<i>3 1/2 CL 1/2" PS</i>			
Pumptrk <i>8</i> No. <i>TS</i>	Common <i>300 s</i>						
Bulktrk <i>7</i> No. <i>JAKE</i>	Poz. Mix						
Bulktrk No.	Gel. <i>6 s</i>						
Pickup No.	Calcium <i>11 s</i>						
<b>JOB SERVICES &amp; REMARKS</b>				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						
<i>Rin 6 1/2" 8 5/8 23" Csg set @ 267</i>	Sand						
<i>Csg on Bottom &amp; BREAK circ w/air</i>	Handling <i>317</i>						
<i>30 min 100 bbls out of Premix</i>	Mileage <i>25 / 10,000</i>						
<i>START Pumping 3 Bbls H2O</i>	<b>8 5/8 FLOAT EQUIPMENT</b>						
<i>START Mix &amp; Pump 300s Common</i>	Guide-Shoe <i>WOODS Plug</i>						
<i>2 1/2 GEL 3 1/2 CL 1/2" PS @ 14.8" / gal</i>	Centralizer <i>HEAD manifold</i>						
<i>SHOT DOWN RELEASE 8 5/8 Woods Plug</i>	Baskets						
<i>START Disp</i>	AFU Inserts						
<i>15.7 bbls out</i>	Float Shoe						
<i>Close Valve on Csg</i>	Latch Down						
<i>Good circ thru JDS</i>	Service Sps						
<i>circ amt to pit</i>	LMV <i>25</i>						
	Pumptrk Charge <i>SFE</i>						
	Mileage <i>50</i>						
Thank you PLEASE CALL AGAIN TODD IS JAKE						Tax	
<i>Signature John Green</i>						Discount	
						Total Charge	



# QUALITY WELL SERVICE, INC.

7108

Federal Tax I.D. # 481187368

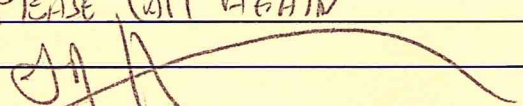
Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410  
Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Inv  
C-2011

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-25-19	23	29S	15W	PRATT	Ks		
Lease Addie	Well No. 3		Location PRATT, Ks W on Hwy 54 to 140 <sup>th</sup> Rd 10 S to 100 <sup>th</sup>				
Contractor WW Delg Rig #14				Owner IE to 130 <sup>th</sup> rd .3 S E'S into			
Type Job 5 1/2 L.S.				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.			
Hole Size 7 7/8	T.D. 4810						
Csg. 5 1/2	Depth 4798.88		Charge To Griffin				
Tbg. Size	Depth		Street				
Tool	Depth		City State				
Cement Left in Csg. 10.70	Shoe Joint 10.70		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace 113.96		Cement Amount Ordered 200 sc ProC 2% GEL 10% SAIT				
<b>EQUIPMENT</b>				5 1/2 Kol Seal			
Pumptrk 8 No. 75				Common 200 sc			
Bulktrk 15 No.				Poz. Mix			
Bulktrk No.				Gel. 4 sc			
Pickup No.				Calcium			
<b>JOB SERVICES &amp; REMARKS</b>				Hulls			
Rat Hole 30 sc				Salt 22 sc			
Mouse Hole 20 sc				Flowseal			
Centralizers 1-2-3-4-5-6				Kol-Seal 1000 lbs			
Baskets				Mud CLR 48 500 gal			
D/V or Port Collar				CFL-117 or CD110 CAF 38 CC-1 10 gal			
Run 117 ft's 5 1/2 15.5" csg set a				Sand			
csg on Bottom Tag Hook up to csg				Handling 226			
BREAK CIRC 1/2 hr Drop Bail CIRC 1/2 hr				Mileage 25			
START Pumping 5 Bbls H2O 12 Bbls MP 5 Bbls H2O				<b>5 1/2 FLOAT EQUIPMENT</b>			
START Plug R-M HOLES 50 sc				Guide-Shoe 5 1/2 HEAD & manifold			
START mix & Pump 150 sc & csg 14.8" gal 1.50				Centralizer 6 EA			
SHUT DOWN CLEAR Pump & Lines RELEASE LDPING				Baskets			
START Disp 2% KCL				AFU Inserts			
Lift psi 97 out (500)				Float Shoe 1 EA			
Land Plug 1600"				Latch Down 1 EA			
psi up 2000"				SERVICE SPU 1 EA			
RELEASE & HELD 1/2 Bbl BAL				LMV 25			
Good Circ thru JOB				Pumptrk Charge LS			
Thank you				Mileage 50			
PLEASE CALL AGAIN							
							
X Signature				Tax			
				Discount			
				Total Charge			