



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1219346  
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
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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: \_\_\_\_\_

1219346

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  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				

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	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	

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**CONSOLIDATED**  
Oil Well Services, LLC

270216

TICKET NUMBER 46835  
LOCATION Oakley Ks  
FOREMAN Jerry Y

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-9-14	8860	Spring Valley Ranch 1-14	14	145	41W	Wallace
CUSTOMER			TRUCK #			
MAILING ADDRESS			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
			DRIVER			

JOB TYPE Surface HOLE SIZE 17 1/4 HOLE DEPTH 330 CASING SIZE & WEIGHT 13 3/8 54.5#  
 CASING DEPTH 330 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.24 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 48 bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting + rig up on Martin 22 break circulation with rig tree hookup to pump truck mix. 330 sks com class A cement with 3% CC + 2% gel wash up + displace with 48 bbl fresh water + shut in. Circulated approx 1 1/2 bbl to pit

Cement did  
circulate

Thank you  
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 <sup>s</sup>	1	PUMP CHARGE	1150 <sup>00</sup>	1150 <sup>00</sup>
5406	65	MILEAGE	5 <sup>25</sup>	341 <sup>25</sup>
5407a	15. 1/2	ton mileage delivery	1 <sup>25</sup>	1763 <sup>43</sup>
1104c	330	com class A cement	18 <sup>55</sup>	6121 <sup>50</sup>
1102	930	calicam chloride	9 <sup>4</sup>	874 <sup>20</sup>
1118b	620	gel	2 <sup>7</sup>	167 <sup>40</sup>
			Subtotal	10,417 <sup>80</sup>
			less 10% disc.	1,041 <sup>78</sup>
			Subtotal	9,376 <sup>02</sup>
<b>Job completed</b>				
			SALES TAX	396.48
			ESTIMATED TOTAL	9772.50

Ravin 3737

AUTHORIZATION Summary Table

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

# ALLIED OIL & GAS SERVICES, LLC 064130

Federal Tax I.D. # 20-8551475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley KS

DATE <u>8-16-14</u>	SEC <u>14</u>	TWP. <u>14</u>	RANGE <u>41</u>	CALLED OUT <u>(8-15-14)</u>	ON LOCATION <u>10:30 p.m.</u>	JOB START <u>12:30 a.m.</u>	JOB FINISH <u>1:30 a.m.</u>
LEASE <u>Spring Valley Ranch</u>	WELL# <u>1-14</u>	LOCATION <u>Shannon Springs 5 mi S,</u>			COUNTY <u>Wallace</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>4 1/2 W. Ninto</u>			

CONTRACTOR Murfin Dg  
 TYPE OF JOB PTA  
 HOLE SIZE 7 7/8 T.D. 4100'  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 DEPTH 2850'  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 5 1/2 water 2842 bbl mud

OWNER Same  
 CEMENT AMOUNT ORDERED 255 sks 60/40  
4 1/2 gel 40 # Flo-seal  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
60/40/4 Lite 255 sks @ 18.92 4824.60  
Flo-seal 64 # @ 2.97 190.08  
Material Total @ 5044.68  
(1150.13 / 35%)  
 HANDLING 274.14 @ 2.42 679.81  
 MILEAGE 1144 to v 125 mi @ 2.75 2044.90

EQUIPMENT  
 PUMP TRUCK CEMENTER Paul Beaver  
 # 423/281 HELPER Adam Friese  
 BULK TRUCK # 313/308 DRIVER Juan M. (TWS)  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
mix 50 sks @ 28.50 Displace w/ mud  
mix 100 sks @ 18.25 Displace w/ mud  
mix 50 sks @ 37.5  
mix 10 sks @ 40'  
mix 30 sks in P.H  
mix 15 sks in m.H

CHARGE TO: White Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas 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 Sammy Farrel

TOTAL \_\_\_\_\_  
 SERVICE  
 DEPTH OF JOB 2850'  
 PUMP TRUCK CHARGE 2483.59  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE m/h 65 @ 7.70 500.50  
 MANIFOLD @ \_\_\_\_\_  
m/h 65 @ 4.40 286.00  
(2098.20 / 35%) TOTAL 5,994.86

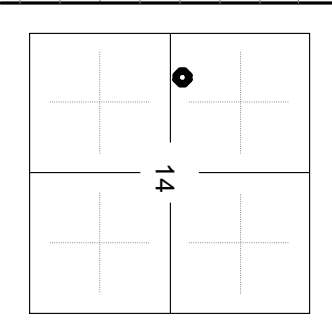
PLUG & FLOAT EQUIPMENT  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES 11,009.54  
 DISCOUNT 3,853.33 (35%) IF PAID IN 30 DAYS  
7,156.20 Net



## GEOLOGIST'S REPORT

OPERATOR <b>WHITE EXPLORATION, INC.</b>			ELEVATIONS		
LEASE <b>SPRING VALLEY RANCH # 1-14</b>			KB <b>3714 Ft.</b>		
LOCATION <b>2542 FNL &amp; 826 FEL</b>			GL <b>3703 Ft.</b>		
SEC. <b>14</b> TWSP <b>14S</b> RGE <b>41W</b>			ALL MEASUREMENTS FROM K.B.		
COUNTY <b>WALLACE</b> STATE <b>KANSAS</b>			CASING RECORD		
FIELD <b>WILDCAT</b>			Conductor <u>None</u>		
CONTRACTOR <u>Murfin Drilling Company</u> RIG NO. <u>22</u>			Surface <u>8 5/5" @ 330'</u>		
COMMENCED <u>9 August 2014</u> COMPLETED <u>15 August 2014</u>			Production <u>None</u>		
MUD DISPLACED <u>3540</u> MUD TYPE <u>Chemical</u>			ELECTRICAL SURVEYS:		
DRILLING TIME KEPT FROM <u>3800</u> TO <u>4175</u>			No Electrical Surveys		
SAMPLES SAVED FROM <u>3800</u> TO <u>4175</u>			LOG		
SAMPLES EXAMINED FROM <u>4000</u> TO <u>4175</u>			TOP DATUM		
GEOLOGICAL SUPERVISION FROM <u>3916</u> TO <u>4175</u>			SAMPLE DATUM		
GEOLOGIST ON WELL <u>Paul Gunzelman</u>			FORMATION NAME		
			Stone Corral		
			Base/Anhydrite		
			Topeka		
			Heebner Shale		
			Total Depth		



**REMARKS**

API 15-199-20414-00-00

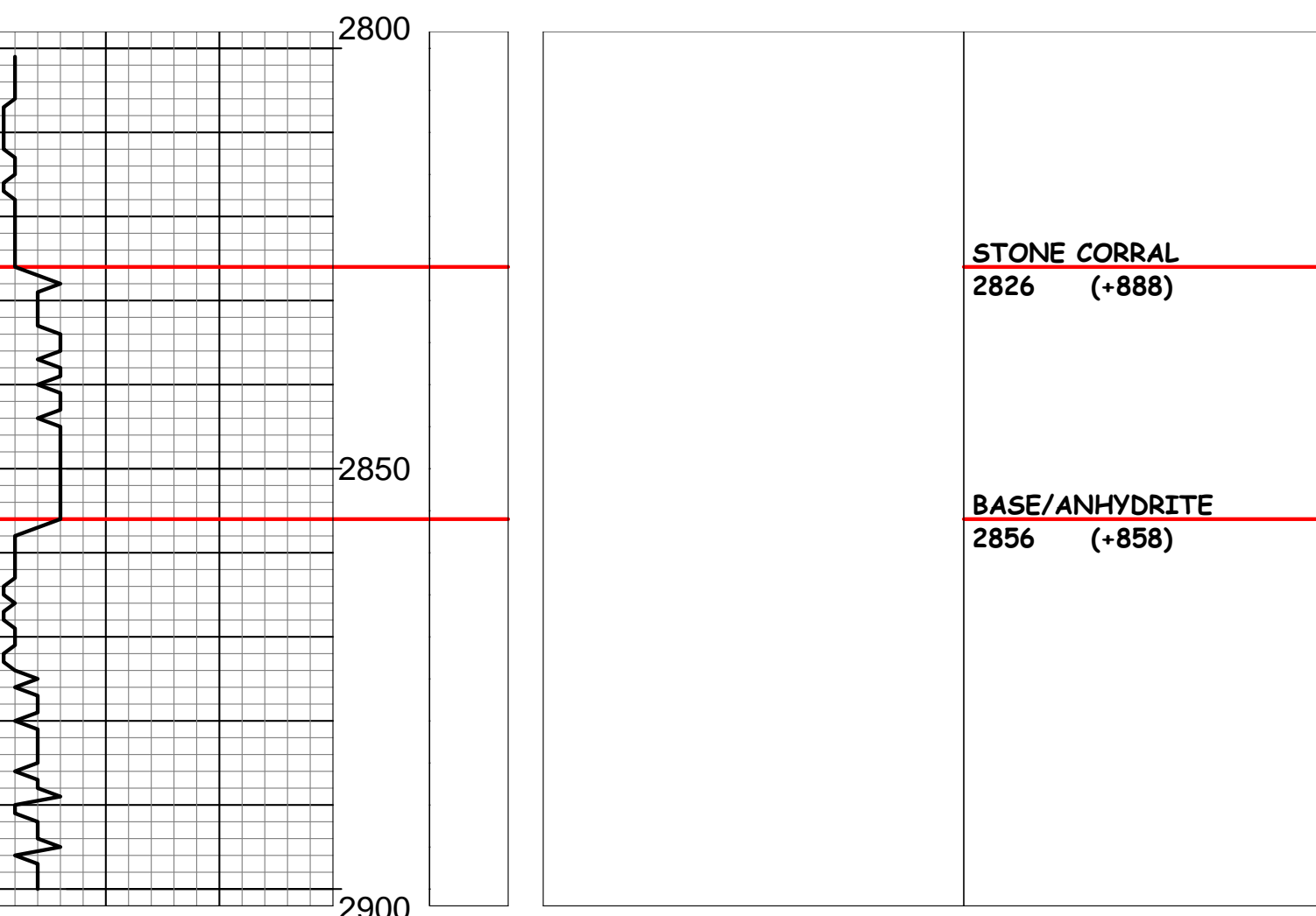
Drilling Fluids: Mud-Co/Service Mud, Inc. (Tony Maestas, engineer)

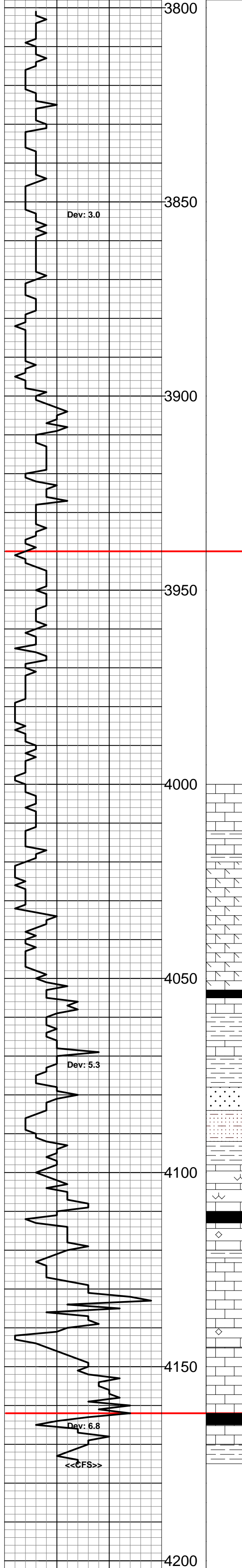
Drill Stem Testing: No Tests

Gas Trailer: No Gas Trailer

Reserve Pit Chlorides:

DRILL TIME (MIN/FT)	DEPTH	LITHOLOGY	SHOWS	SAMPLE DESCRIPTIONS	REMARKS
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Mud-Co mud check @ 3884'  
 Vis: 53, Wt: 8.7, WL: 8.0  
 Chlor: 3,800 ppm, LCM: 7#

**TOPEKA**  
**3940 (-226)**

- Ls: Crm gran, occ sbchky, sli ool, cons spr calc, n/s.
- Ls: Crm-v.lt gy, gran, sli foss, cons spr calc, intbd gy-gn fis sh.
- Ls: Wh-crm, fxln-gran, sbchky tr org rem, occ wh op frs cht, some dol, n/s.
- Ls: Tn-gy, frag-gran, abd foss frag, tr ool, sli dol, fr intrfrag por, n/s.
- Ls: Wh-crm, gran, sbchky, dol, tr org rem, cons sec calc, fr intgran por, n/s.

- Sh: Blk, thn fis, carb..
- Ls: Brn, vfxln, dns, sli arg.
- Sh: Gy-gn gy-brn & olv gn, fis, some calc.
- Ls: Tn-brn, fxln, tr org rem, some arg, intbd gy & gy-gn fis sh, some brn-dk rd-brn v.arg sltst.
- Sltst: Crm-gy & lt gy, calc-lmy in pt, some v.arg, tr pyr, bcm gy-gn arg sli glauc sdy sltst, intbd gy-gn slty sh.

- Sh: Gy-gn & lt gn, fis slty, occ calc-lmy, tr mica.
- Ls: Crm, fxln, sli ool, cons org rem, abd spr calc, tr wh & tn mott op cht, n/s.
- Ls: Tn-dk gy-brn fn-vfxln, sli arg.
- Sh: Blk, fis, carb.
- Ls: Wh-crm, fxln, tr frag, ool, sbchky, cons spr calc, n/s.
- Sh: Gy blk, calc-lmy.
- Ls: Wh-v.lt gy, vfxln-crpxln, dns, tr sbchky, n/s.
- Ls: Crm-tn, some lt gy, fn-vfxln, tr org rem, some arg, n.v.p, n/s.

- Ls: Wh, frag ool, tr org rem, occ spr calc, withd, fr-gd intool por, n/s.
- Ls: Crm, tr crm-tn, fxln, tr gran, sli ool, foss, some amor calc, pr-fr scat pp por, n/s.

Mud-Co mud check @ 4173'  
 Vis: 56, Wt: 8.8, WL: 8.0  
 Chlor: 3,500 ppm, LCM: 7#

**HEEBNER SHALE**  
**4162 (-448)**

- Sh: Blk, thn fis, carb, some thn bd w/ dk brn sh.
- Ls: Tn-lt brn, vfxln, some org rem, dns.
- Sh: Gy-gn, gy, & dk olv gn, fis-blky, some slty, occ calc-lmy.

**TOTAL DEPTH**  
**4175 (-461)**

Operator: WHITE EXPLORATION, INC.  
 Lease: SPRING VALLEY RANCH # 1-14  
 Location: 2542 FNL & 826 FEL SEC. 14 TWSP 14S RGE 41W  
 County: WALLACE State: KANSAS