



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1155277

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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				

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
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<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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	ESP Development, Inc.
Well Name	Eulert Ranch G 4
Doc ID	1155277

Tops

Name	Top	Datum
anhydrite	966'	+ 928
Base	1000'	+ 894
Topeka	2730'	- 836
Heeb. shale	2985'	-1091
Toronto	3004'	-1110
Lansing	3035	-1141
BKC	3291	-1391
Arbuckle	3361	-1467
TD	3438	--1544



Services, Inc.

CHARGE TO: E.S.P.  
ADDRESS:  
CITY, STATE, ZIP CODE:

TICKET NO. **21895**

PAGE 1 OF 2

SERVICE LOCATIONS <u>Hays, KS</u>	WELL/PROJECT NO. <u>G # 44</u>	LEASE <u>Elbert</u>	COUNTY/PARISH <u>Russell</u>	STATE <u>KS</u>	CITY	DATE <u>8-12-13</u>	OWNER <u>5999e</u>
<u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Royce Drilling</u>	RIG NAME/NO.	SHIPPED VIA <u>EST</u>	DELIVERED TO <u>Local Area</u>	ORDER NO.	WELL LOCATION
	WELL TYPE <u>01</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>longstring</u>				
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DE		QTY.	U/M	QTY.		
575					MILEAGE	40	mi		6.00	240.00
578					Pump Charge (longstring)	1	ea	3940	1500.00	1500.00
221					REL	4	ea		25.00	100.00
281					Mudflush	5	ea		1.25	6.25
290					D-Air	8	ea	35	70.00	560.00
402					Leakaliners	3	rd		285.00	855.00
403					Baskets	1	ea		275.00	275.00
40C					LD Ply & Baffle	1	ea		275.00	275.00
407					Basor Float Shoe	1	ea		275.00	275.00
419					Rotating Head	1	ea		200.00	200.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.  
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

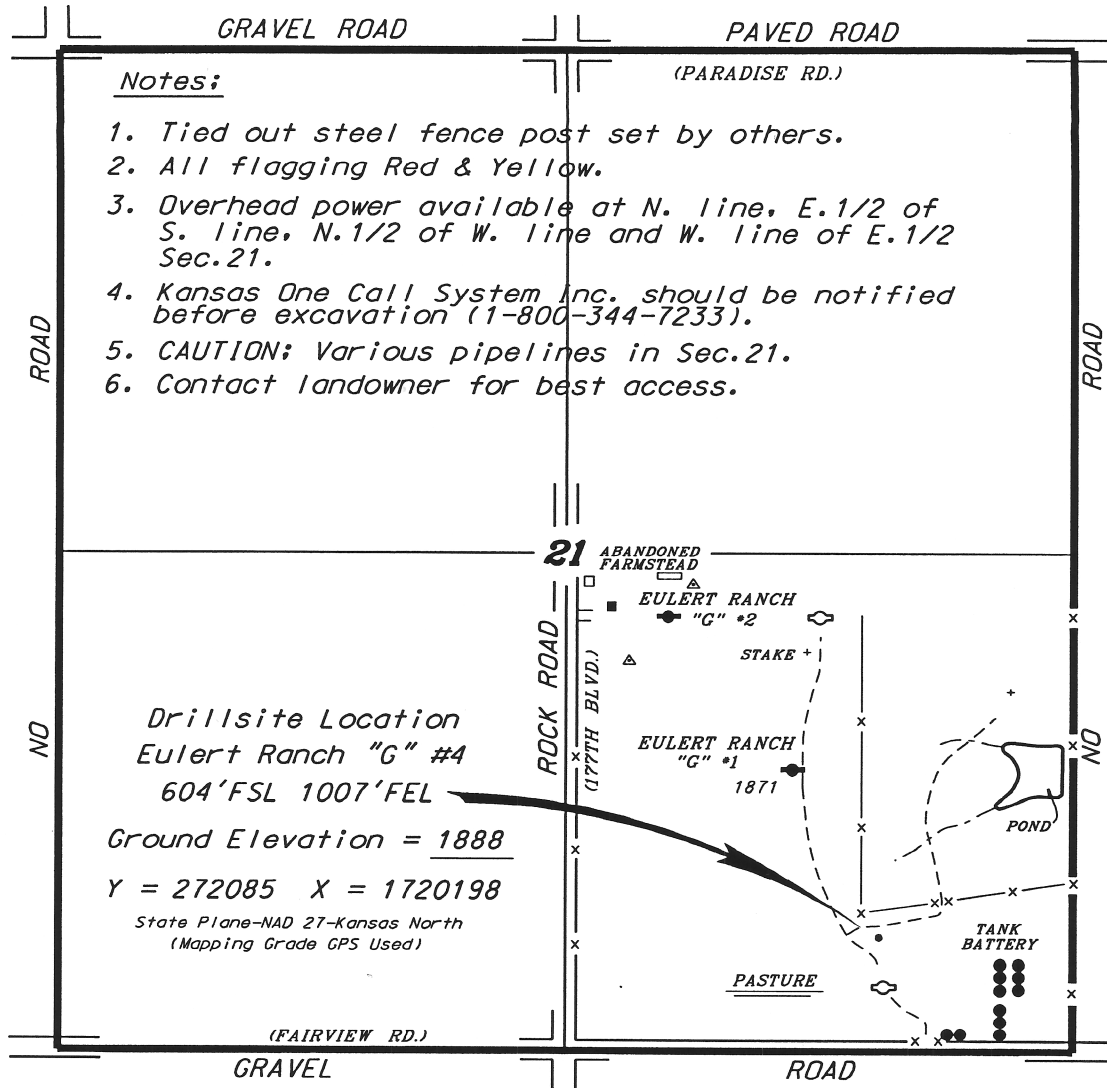
**REMIT PAYMENT TO:**  
**SWIFT SERVICES, INC.**  
P.O. BOX 466  
NESS CITY, KS 67560  
785-798-2300

SURVEY	AGREE	UN-DETERMINED	DIS-AGREE	PAGE TOTAL	4940.00
OUR EQUIPMENT PERFORMED WITH NO SERIOUS DOWN TIME?				PAGE 2	9571.50
WE UNDERSTOOD AND MET OUR NEEDS?				Subtotal	14571.50
OUR SERVICE WAS REFERRED TO BY THE EQUIPMENT OPERATOR?				Tax	870.01
WE OPERATED THE EQUIPMENT IN ACCORDANCE WITH THE INSTRUCTIONS AND SAFETY PROCEDURES?				TOTAL	15381.51
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO			

DATE SIGNED 8-12-13 TIME SIGNED 1406  AM  PM  
SWIFT OPERATOR M. J. [Signature] APPROVAL [Signature]  
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

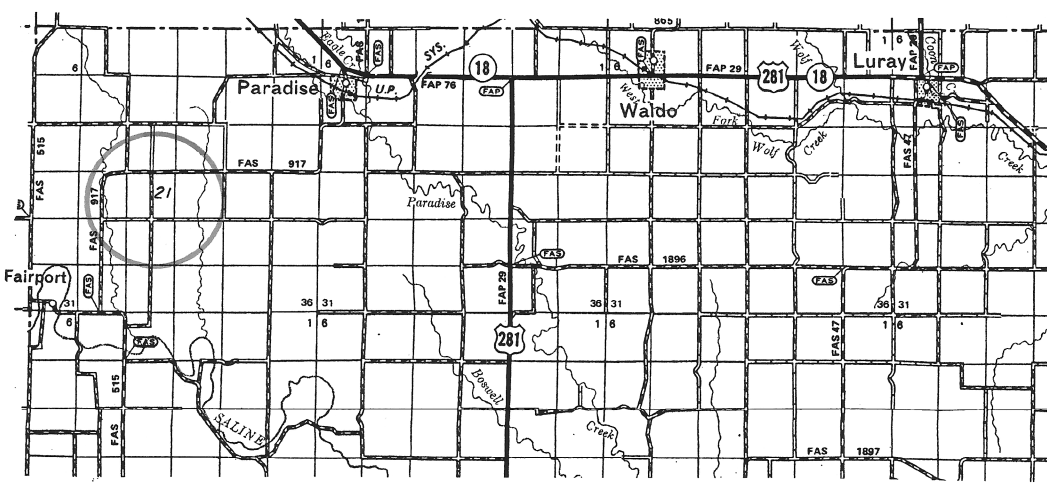
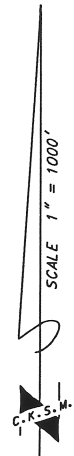
**ESP DEVELOPMENT, INC.**  
**EULERT RANCH LEASE**  
**SE. 1/4, SECTION 21, T11S, R15W**  
**RUSSELL COUNTY, KANSAS**

\*Ingress and egress to location as shown on this plot is per usage only and may not be legally opened for public use. Contact landowner, tenant and county road department for access.



- Notes:**
1. Tied out steel fence post set by others.
  2. All flagging Red & Yellow.
  3. Overhead power available at N. line, E. 1/2 of S. line, N. 1/2 of W. line and W. line of E. 1/2 Sec. 21.
  4. Kansas One Call System Inc. should be notified before excavation (1-800-344-7233).
  5. CAUTION; Various pipelines in Sec. 21.
  6. Contact landowner for best access.

**Drillsite Location**  
**Eulert Ranch "G" #4**  
**604'FSL 1007'FEL**  
**Ground Elevation = 1888**  
**Y = 272085 X = 1720198**  
 State Plane-NAD 27-Kansas North  
 (Mapping Grade GPS Used)



\* Controlling data is based upon the best maps and photographs available to us and upon a regular section of land containing 640 acres.  
 \* Approximate section lines were determined using the normal standard of care of oilfield surveyors practicing in the state of Kansas. The section corners, which establish the precise section lines, were not necessarily located, and the exact location of the drillsite location in the section is not guaranteed. Therefore, the operator securing this service and occupying this plot and all other parties relying thereon agree to hold Central Kansas Oilfield Services, Inc., its officers and employees harmless from all losses, costs and expenses and said entities released from any liability from incidental or consequential damages.  
 \* Elevations derived from National Geodetic Vertical Datum.

Date June 25, 2013

# ALLIED OIL & GAS SERVICES, LLC 054763

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
8-7	21	11	15				
Eulert Ranch LEASE	WELL # G-4	LOCATION Gorham KS 1E 10N 1/2E				COUNTY Russell	STATE KS
OLD OR NEW (Circle one)		2N 1/2 E N into					

CONTRACTOR Royal Drilling #1  
TYPE OF JOB Surface  
HOLE SIZE 12 1/4 T.D. 433  
CASING SIZE 8 7/8 23" DEPTH 432  
TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
MEAS. LINE \_\_\_\_\_ SHOE JOINT 15  
CEMENT LEFT IN CSG. 15  
PERFS. \_\_\_\_\_  
DISPLACEMENT 26 1/2 bbl

OWNER \_\_\_\_\_  
CEMENT  
AMOUNT ORDERED 300 com 3% cc 2% gel  
COMMON 300 @ 17.90 5370.00  
POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
GEL 5.64 @ 23.40 131.98  
CHLORIDE 10 @ 64.00 640.00  
ASC \_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
\_\_\_\_\_ @ \_\_\_\_\_  
HANDLING 323.58 1/4 @ 2.48 802.99  
MILEAGE 310.42 1/4 @ 2.60 807.10  
TOTAL 7751.56

### EQUIPMENT

PUMP TRUCK CEMENTER Robert Y  
# 417 HELPER Woody O  
BULK TRUCK  
# 481 DRIVER Joc G  
BULK TRUCK  
# \_\_\_\_\_ DRIVER \_\_\_\_\_

### REMARKS:

run 10 jts of 8 7/8 23" csg receive circulation mix 300 com 3% cc 2% gel displace 26 1/2 bbl of water shut in  
cement d.d circulate to surface  
Thank you!!

### SERVICE

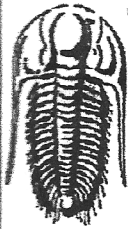
DEPTH OF JOB 433  
PUMP TRUCK CHARGE 1512.25  
EXTRA FOOTAGE @ \_\_\_\_\_  
MILEAGE 21 HVMI @ 7.70 161.70  
MANIFOLD 21 LVMI @ 4.40 92.40  
TOTAL 1766.35

CHARGE TO: ESP Development  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### PLUG & FLOAT EQUIPMENT

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

ESP Development Inc

21-11s-15w Russell KS

1749 250th Ave  
Hays KS 67601

Evert Ranch G #4

Job Ticket: 53944

DST#: 1

ATTN: Randy Killian

Test Start: 2013.08.10 @ 09:13:00

### GENERAL INFORMATION:

Formation: Tor - D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:24:00

Time Test Ended: 16:37:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 53

Interval: 2986.00 ft (KB) To 3100.00 ft (KB) (TVD)

Total Depth: 3100.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2986.00 ft (KB)

2978.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press@RunDepth: 241.94 psig @ 3087.00 ft (KB)

Start Date: 2013.08.10

End Date:

2013.08.10

Capacity: 8000.00 psig

Last Calib.: 2013.08.10

Start Time: 09:13:05

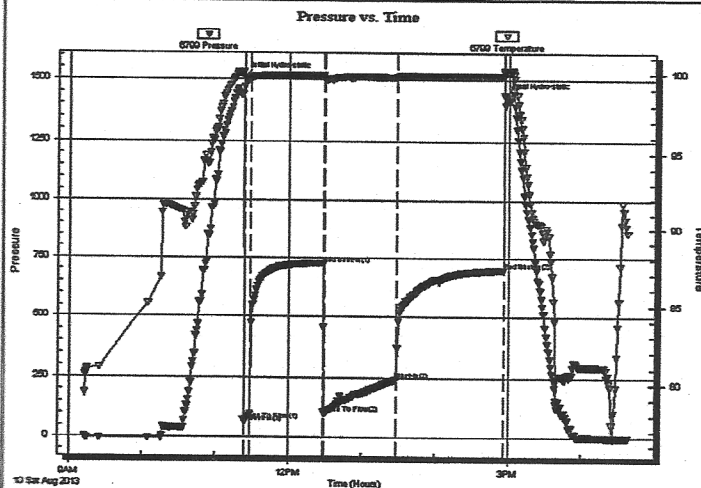
End Time:

16:37:44

Time On Btm: 2013.08.10 @ 11:23:30

Time Off Btm: 2013.08.10 @ 14:56:30

TEST COMMENT: 05 - IF- 7" blow  
60 - IS- No return  
60 - FF- B.O.B. in 10 Minutes  
90 - FS- No return



### PRESSURE SUMMARY

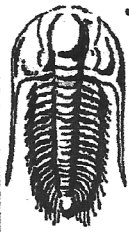
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1507.58	100.07	Initial Hydro-static
1	68.56	99.65	Open To Flow (1)
6	95.79	99.64	Shut-In(1)
65	721.81	99.88	End Shut-In(1)
66	102.92	99.72	Open To Flow (2)
125	241.94	99.77	Shut-In(2)
213	698.11	99.87	End Shut-In(2)
213	1434.05	100.14	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
62.00	MW, 40%M, 60%W	0.87
341.00	VM, 20%W, 80%M	4.78

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

ESP Development Inc  
1749 250th Ave  
Hays KS 67601  
ATTN: Randy Killian

**21-11s-15w Russell KS**  
**Evert Ranch G #4**  
Job Ticket: 53945      DST#: 2  
Test Start: 2013.08.11 @ 20:53:00

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 22:21:15  
Time Test Ended: 04:54:00

Test Type: **Conventional Straddle (Reset)**  
Tester: **Cody Bloedorn**  
Unit No: **53**

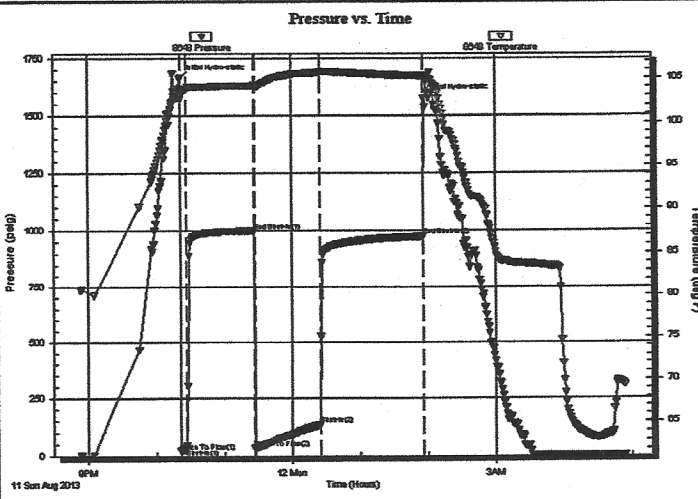
Interval: **3349.00 ft (KB) To 3369.00 ft (KB) (TVD)**  
Total Depth: **3369.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2986.00 ft (KB)**  
**2978.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

**Serial #: 8648      Outside**  
Press@RunDepth: **132.94 psig @ 3350.00 ft (KB)**  
Start Date: **2013.08.11**      End Date: **2013.08.12**  
Start Time: **20:53:05**      End Time: **04:53:59**

Capacity: **8000.00 psig**  
Last Calib.: **2013.08.12**  
Time On Btm: **2013.08.11 @ 22:21:00**  
Time Off Btm: **2013.08.12 @ 01:56:45**

**TEST COMMENT:** 05 - IF- 5" blow  
60 - IS- No return  
60 - FF- B.O.B. in 22 minutes  
90 - FS- No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.38	103.35	Initial Hydro-static
1	21.70	102.68	Open To Flow (1)
6	31.91	103.85	Shut-In(1)
66	995.80	104.20	End Shut-In(1)
67	31.21	103.99	Open To Flow (2)
125	132.94	105.67	Shut-In(2)
215	971.97	105.32	End Shut-In(2)
216	1576.85	105.34	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
124.00	SOCMW, 10%O, 30%M, 60%W	1.74
125.00	MCWO, 20%M, 20%W, 60%O	1.75
30.00	Free Oil, 100%O	0.42

\* Recovery from multiple tests

**Gas Rates**

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)