KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1145658

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33268
Name: RL Investment, LLC
Address 1: 217 SAINT PETER ST
Address 2:
City: MORLAND State: KS Zip: 67650 + 5101
Contact Person: Randall Pfeifer
Phone: (785) 421-6616
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Patrick Deenihan
Purchaser: Coffeyville

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

09/05/2007	09/14/2007	11/13/2007
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-065-23341-00-00
Spot Description:
N2 - NE - SE - NE Sec. 36 Twp. 10 S. R. 25 [ ] East [x] West
1540 Feet from [x] North / [ ] South Line of Section
330 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW
County: Graham
Lease Name: PFEIFER Well #: 2
Field Name:
Producing Formation: Kansas City
Elevation: Ground: 2434 Kelly Bushing: 2436
Total Depth: 4265 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 218 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 2083 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: 14400 ppm Fluid volume: 1221 bbls
Dewatering method used: Evaporated
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:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 06/17/2013

Side Two

[redacted]

1145658

Operator Name: RL Investment, LLC Lease Name: PFEIFER Well #: 2

Sec. 36 Twp. 10 S. R. 25 ☐ East ☑ West County: Graham

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Compensated Neutron
Micro
Dual Induction

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	2078	+354
Lansing	3770	-1338
BKC	4020	-1588

CASING RECORD ☑ New ☐ 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
Production	8.625	5.5	15.5	4265	common	385	30-60 poz
Surface	12.25	8.625	20.5	219	common	160	30-60 poz

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	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: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

3392.64

107

REMIT TO
RR 1 BOX 90 D
HOXIE KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

DATE 9/5/07	SEC. 36	RANGE/TWP. 10-25	CALLED OUT	ON LOCATION 2:00 PM	JOB START 4:15 PM	JOB FINISH 7:00 PM
					COUNTY Gove	STATE KS
LEASE PS Meiser			WELL # 2			

CONTRACTOR WW 6		OWNER RL Investments			
TYPE OF JOB					
HOLE SIZE 12 ¼	T.D. 219.45	CEMENT	160		
CASING SIZE 8 5/8	DEPTH	AMOUNT ORDERED			
TUBING SIZE	DEPTH				
DRILL PIPE	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	160	@ 12.50	2000.00
DISPLACEMENT 12 bbl	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG. 15 ft		GEL	3	@ 16.50	49.50
PERFS		CHLORIDE	5	@ 46.60	232.00
		ASC		@	
EQUIPMENT				@	
				@	
PUMP TRUCK				@	
# P1	Jarrod			@	
BULK TRUCK				@	
# B1	Moiser			@	
BULK TRUCK				@	
#				@	
				@	
		HANDLNG	168	@ 1.90	319.20
		MILEAGE	37	@ 15.00	559.50
				TOTAL	

REMARKS			
	SERVICE Surface		
	DEPT OF JOB 220	@	
Plug Down	PUMP TRUCK CHARGE 1	@ 815.00	815.00
	EXTRA FOOTAGE	@	
6:45 PM	MILEAGE 37	@ 6.00	222.00
	MANIFOLD	@	
		@	
		TOTAL	

CHARGE TO: RL	Invest
STREET 217 St Peter Rd	STATE KS
CITY Morland	ZIP 67650

PLUG & FLOAT EQUIPMENT	
	@
	@

To: Schippers Oil Field Service LLC
You are hereby requested to rent cementing equipment

Patrick J. Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY RL Investments, LLC
LEASE Pfeifer # 2
FIELD Wildcat
LOCATION 1540' FNL & 330' FEL
SEC 36 TWSP 10S RGE 25W
COUNTY Graham STATE Kansas
CONTRACTOR WW DRILLING, LLC Rig # 6
SPUD 09-05-07 COMP 09-13-07
RTD 4265' LTD 4262'
MUD UP 2850' TYPE MUD Chemical

SAMPLES SAVED FROM 3600' TO RTD
DRILLING TIME KEPT FROM 2050'-2150' 3450 TO RTD
SAMPLES EXAMINED FROM 3600' TO RTD
GEOLOGICAL SUPERVISION FROM 3560' to RTD
GEOLOGIST ON WELL Pat Deenihan

ELEVATIONS

KB 2432'
DF
GL 2427'
Measurements Are All From Kelly Bushing

CASING

CONDUCTOR
SURFACE 8-5/8" a@ 220
PRODUCTION 5-1/2" @ 426

ELECTRICAL SURVEYS

CND;DI w/SP; Micr

SWS

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2078 (+354)	2076 (+356)
Base Anhydrite	2110 (+321)	2110 (+322)
Heebner Shale	3735 (-1303)	3733 (-1301)
Toronto	3756 (-1324)	3754 (-1322)
Lansing	3770 (-1338)	3769 (-1337)
BKC	4020 (-1588)	4018 (-1586)
Ft. Sc.	4211 (-1779)	4208 (-1776)
Cherokee Shale	4223 (-1791)	4220 (-1788)

REMARKS Upon sample examination ; Elog evaluation & DST results it was recommended that that 51/2" production casing be set to further evauate the # 2 Pfeifer on 9-13-07.

Respectfully Submitted,

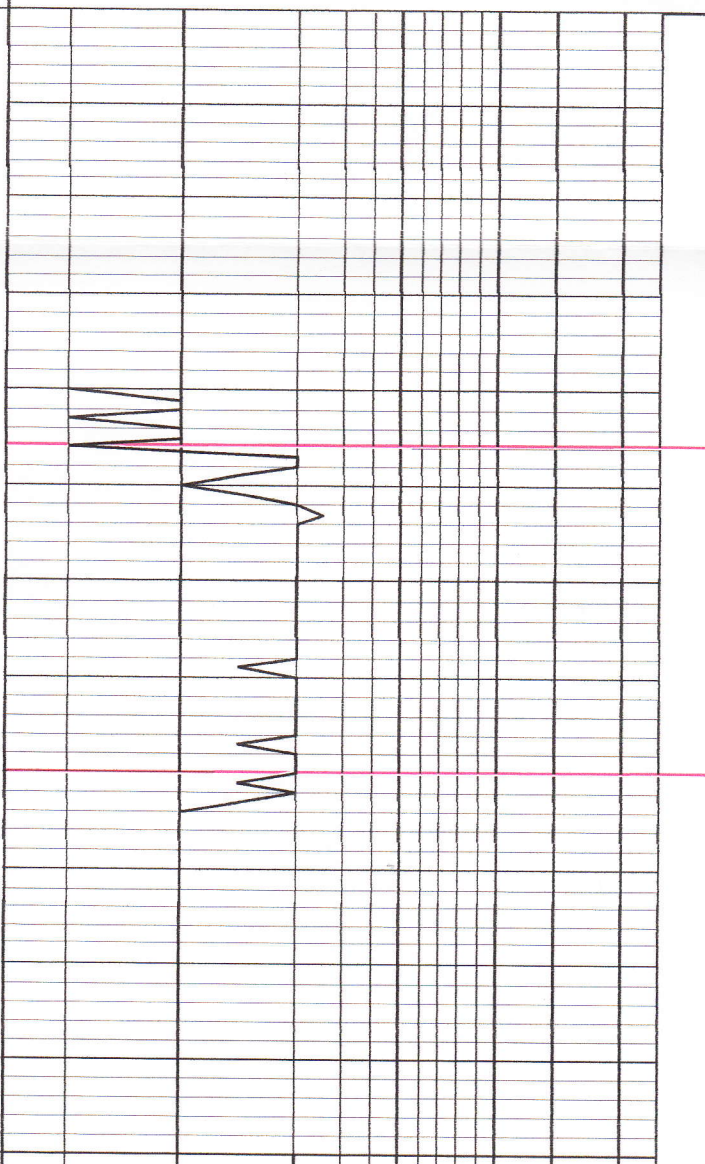
API #15-065-23341-00-00

Patrick J. Deenihan
Petroleum Geologist, Lic.# 234
Sipes # 2959

LEGEND

Anhydrite | Sandstone | Limestone | Shale | Carb Sh | Cherty LS | Chert | Dolomite

LITHOLOGY | DEPTH | DRILLING TIME IN MINUTES PER FOOT — Rate of Penetration Decreases → (.5, 1.0, 5, 10, 15, 20 30) | SAMPLE DESCRIPTION — DAILY PENETRATION @ 7: A.M. | REMARKS



09-04-07 MIRU
09-05-07 Spud Well
09-06-07 - 1490'
09-07-07 - 2590'
09-08-07 - 3540'
09-09-07 - 3814'
09-10-07 - 3858'
09-11-07 - 3970'
09-12-07 - 4130'
09-13-07 - 4265'

70
80
90
2100
10
20
3400

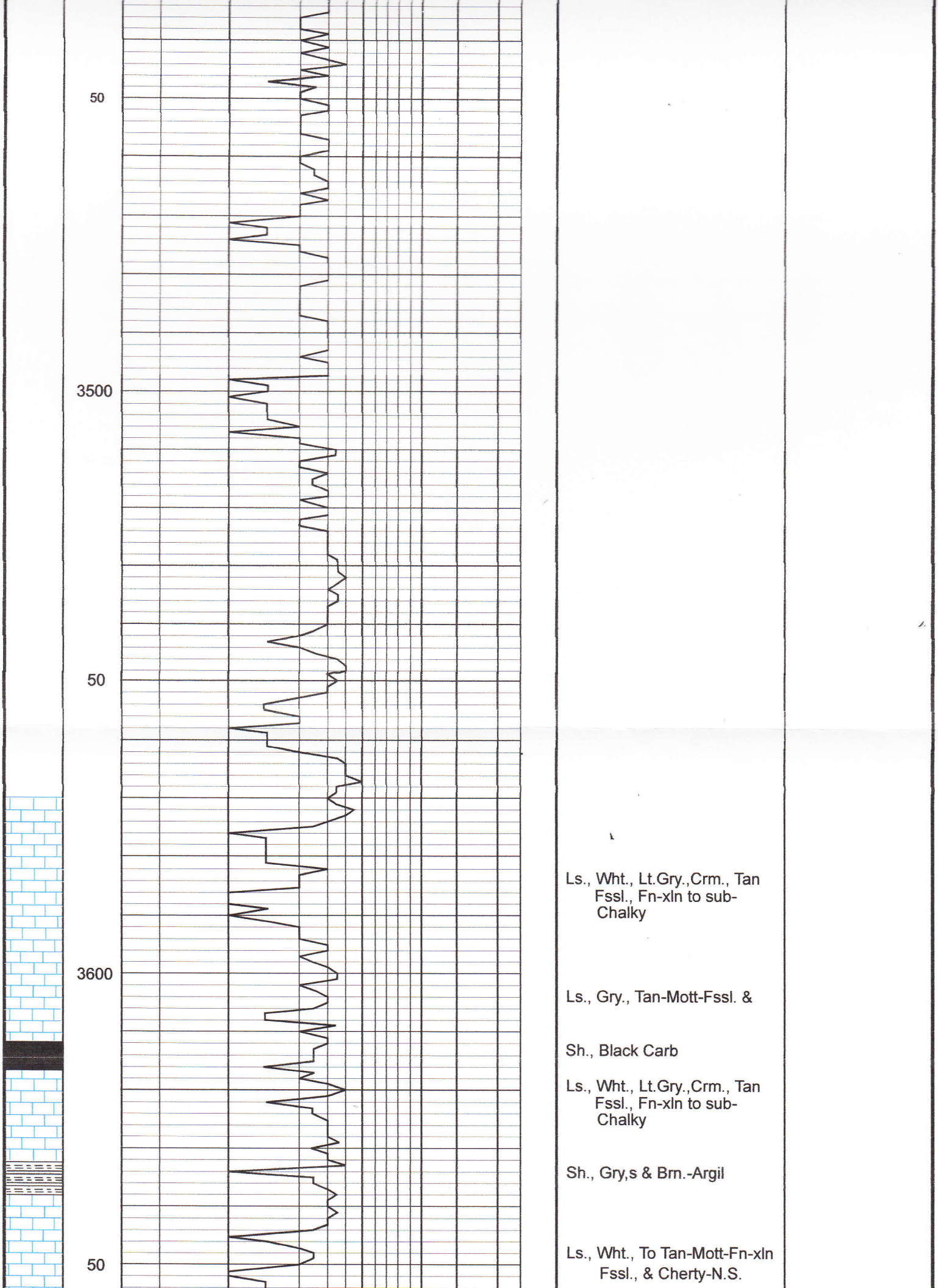
Anhydrite
2076 (+356)

Base/ Anhydrite
2110 (+322)

Andy's Mud & Chemical Co.

Mud Properties @ 3399'

Vis : 60


50
3500
50
3600
50
Ls., Wht., Lt.Gry.,Crm., Tan Fssl., Fn-xln to sub-Chalky
Ls., Gry., Tan-Mott-Fssl. &
Sh., Black Carb
Ls., Wht., Lt.Gry.,Crm., Tan Fssl., Fn-xln to sub-Chalky
Sh., Gry,s & Brn.-Argil
Ls., Wht., To Tan-Mott-Fn-xln Fssl., & Cherty-N.S.

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

RL Investments

217 St. Peter
Morland KS 67650

ATTN: Pat Deenihan

Pfiefer #2

36 10S 25W Graham KS

Job Ticket: 30548 **DST#: 1**

Test Start: 2007.09.09 @ 14:02:32

GENERAL INFORMATION:

Formation: "C"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:58:02
Time Test Ended: 20:28:02

Test Type: Conventional Bottom Hole
Tester: Kyle Kinderknecht
Unit No: 31

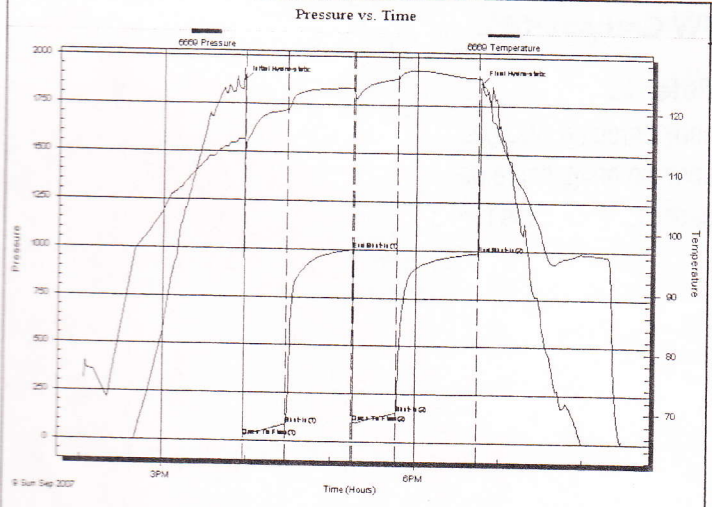
Interval: 3810.00 ft (KB) To 3827.00 ft (KB) (TVD)
Total Depth: 3827.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2432.00 ft (KB)
2427.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 **Inside**
Press@RunDepth: 151.32 psig @ 3812.00 ft (KB)
Start Date: 2007.09.09 End Date: 2007.09.09
Start Time: 14:02:37 End Time: 20:28:01

Capacity: 7000.00 psig
Last Calib.: 2007.09.09
Time On Btm: 2007.09.09 @ 15:57:32
Time Off Btm: 2007.09.09 @ 18:46:32

TEST COMMENT: IF BOB 4 min
ISI BOB 13 min
FF BOB 1 min
FSI 8 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.98	115.09	Initial Hydro-static
1	23.30	112.03	Open To Flow (1)
31	88.53	120.11	Shut-In(1)
77	998.42	123.75	End Shut-In(1)
79	100.70	122.11	Open To Flow (2)
109	151.32	125.38	Shut-In(2)
167	986.51	125.59	End Shut-In(2)
169	1865.45	125.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
460.00	GO 10%G 90%O	5.41
1180.00	GIP	16.73

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

RL Investments

217 St. Peter
Morland KS 67650

ATTN: Pat Deenihan

Pfiefer #2

36 10S 25W Graham KS

Job Ticket: 29008 **DST#: 2**

Test Start: 2007.09.10 @ 04:39:22

GENERAL INFORMATION:

Formation: L.Kc.-E & F
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:17:22
Time Test Ended: 10:33:52

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 31

Interval: 3834.00 ft (KB) To 3858.00 ft (KB) (TVD)
Total Depth: 3858.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

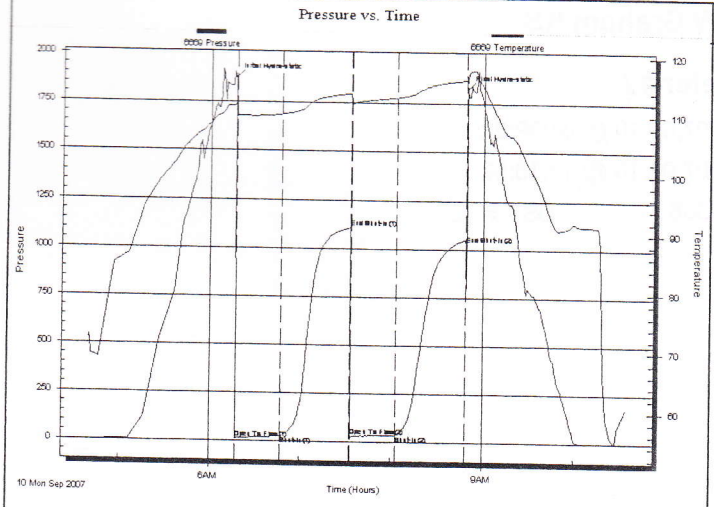
Reference Elevations: 2432.00 ft (KB)
2427.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 **Inside**

Press@RunDepth: 36.57 psig @ 3836.00 ft (KB)
Start Date: 2007.09.10 End Date: 2007.09.10
Start Time: 04:39:27 End Time: 10:33:51

Capacity: 7000.00 psig
Last Calib.: 2007.09.10
Time On Btm: 2007.09.10 @ 06:16:52
Time Off Btm: 2007.09.10 @ 08:49:22

TEST COMMENT: IF Weak built to 2 "
ISI Dead
FF Weak Surface
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1878.69	112.11	Initial Hydro-static
1	11.95	109.82	Open To Flow (1)
31	25.34	110.15	Shut-In(1)
76	1106.34	113.73	End Shut-In(1)
77	29.98	112.04	Open To Flow (2)
106	36.57	113.07	Shut-In(2)
152	1028.24	116.09	End Shut-In(2)
153	1828.05	116.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	OCM 20%O 80%M	0.27

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

RL Investments

217 St. Peter
Morland KS 67650

ATTN: Pat Deenihan

Pfiefer #2

36 10S 25W Graham KS

Job Ticket: 29009 **DST#: 3**

Test Start: 2007.09.10 @ 19:27:15

GENERAL INFORMATION:

Formation: **L.Kc.-H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:13:15
Time Test Ended: 02:05:45

Interval: 3896.00 ft (KB) To 3925.00 ft (KB) (TVD)
Total Depth: 3827.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

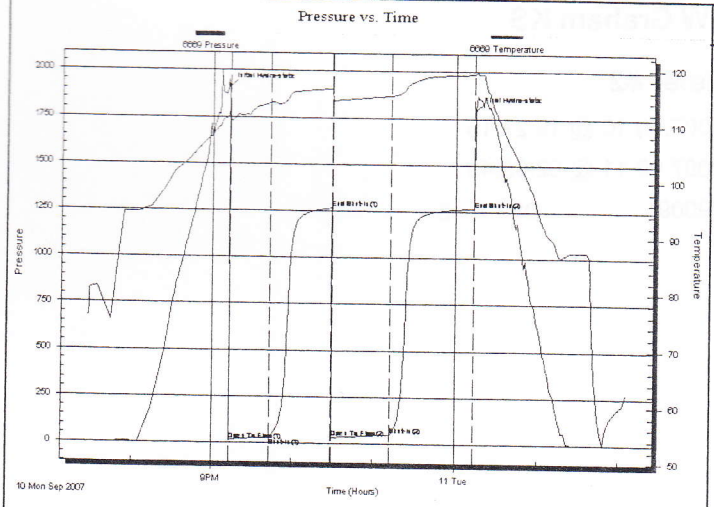
Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 31

Reference Elevations: 2432.00 ft (KB)
2427.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 **Inside**
Press@RunDepth: 49.14 psig @ 3898.00 ft (KB)
Start Date: 2007.09.10 End Date: 2007.09.11
Start Time: 19:27:20 End Time: 02:05:44

Capacity: 7000.00 psig
Last Calib.: 2007.09.11
Time On Btm: 2007.09.10 @ 21:12:45
Time Off Btm: 2007.09.11 @ 00:14:45

TEST COMMENT: IF Fair built to 5 "
ISI Dead
FF Strong BOB 38 min.
FSI Weak surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.23	112.58	Initial Hydro-static
1	12.54	110.30	Open To Flow (1)
30	28.55	113.70	Shut-In(1)
76	1263.86	116.36	End Shut-In(1)
77	32.88	114.04	Open To Flow (2)
120	49.14	115.13	Shut-In(2)
181	1266.36	119.03	End Shut-In(2)
182	1794.43	119.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 50%M 50%O	0.30
20.00	Clean Oil	0.10
0.00	290 GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

RL Investments

217 St. Peter
Morland KS 67650

ATTN: Pat Deenihan

Pfiefer #2

36 10S 25W Graham KS

Job Ticket: 29010 **DST#: 4**

Test Start: 2007.09.11 @ 11:32:12

GENERAL INFORMATION:

Formation: L.Kc.-I,J,K
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:04:42
Time Test Ended: 16:22:42

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 31

Interval: 3928.00 ft (KB) To 3990.00 ft (KB) (TVD)
Total Depth: 3990.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

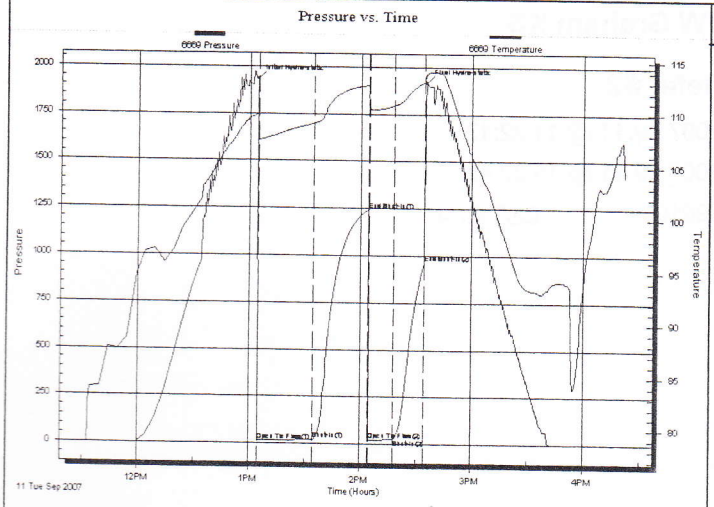
Reference Elevations: 2432.00 ft (KB)
2427.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 **Inside**

Press@RunDepth: 24.72 psig @ 3931.00 ft (KB)
Start Date: 2007.09.11 End Date: 2007.09.11
Start Time: 11:32:17 End Time: 16:22:41

Capacity: 7000.00 psig
Last Calib.: 2007.09.11
Time On Btm: 2007.09.11 @ 13:04:12
Time Off Btm: 2007.09.11 @ 14:35:12

TEST COMMENT: IF Weak surface
ISI Dead
FF Dead
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1932.84	109.90	Initial Hydro-static
1	13.12	107.47	Open To Flow (1)
30	19.92	109.07	Shut-In(1)
60	1243.65	112.69	End Shut-In(1)
61	22.09	110.20	Open To Flow (2)
74	24.72	110.79	Shut-In(2)
90	962.24	113.05	End Shut-In(2)
91	1917.13	113.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM w/Oil spots	0.05

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

RL Investments

217 St. Peter
Morland KS 67650

ATTN: Pat Deenihan

Pfiefer #2

36 10S 25W Graham KS

Job Ticket: 29011 **DST#: 5**

Test Start: 2007.09.12 @ 16:20:13

GENERAL INFORMATION:

Formation: **Ft.Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:16:43
Time Test Ended: 22:02:13

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 31

Interval: **4186.00 ft (KB) To 4220.00 ft (KB) (TVD)**
Total Depth: 4220.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

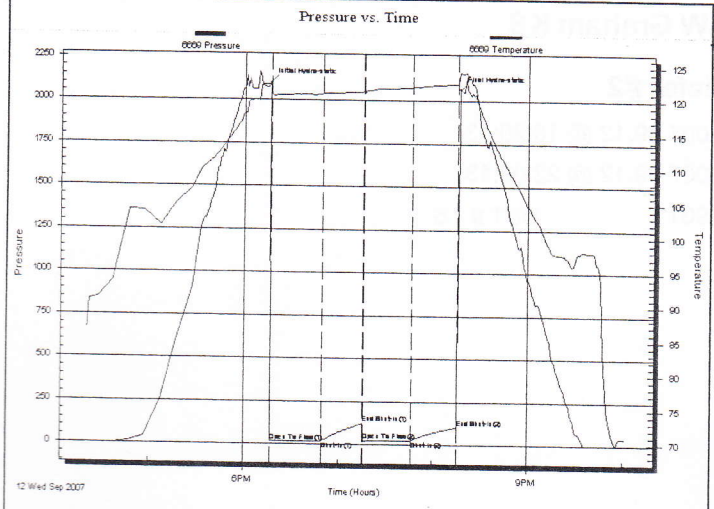
Reference Elevations: 2432.00 ft (KB)
2427.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 **Inside**

Press@RunDepth: 22.73 psig @ 4192.00 ft (KB)
Start Date: 2007.09.12 End Date: 2007.09.12
Start Time: 16:20:18 End Time: 22:02:12

Capacity: 7000.00 psig
Last Calib.: 2007.09.12
Time On Btm: 2007.09.12 @ 18:16:13
Time Off Btm: 2007.09.12 @ 20:16:43

TEST COMMENT: IF Weak Surface Dead in 20 min.
ISI Dead
FF Dead
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.53	122.46	Initial Hydro-static
1	15.21	120.85	Open To Flow (1)
33	19.42	121.00	Shut-In(1)
59	122.66	121.27	End Shut-In(1)
60	22.00	121.11	Open To Flow (2)
90	22.73	121.96	Shut-In(2)
120	105.25	122.52	End Shut-In(2)
121	2063.58	124.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	OCM 40%O 60%M	0.01

Gas Rates

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