



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1164033
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: _____

1164033

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

Company: OUTLAW WELL SERVICE LLC
 Address: 1408 WEST 42ND
 HAYS, KS 67601

Contact Geologist: PRESTON WOLF
 Contact Phone Nbr: 785-650-2399
 Well Name: PARIS #1

Location: SW SE SE S4 T8S R21W
 Pool:
 State: KANSAS

API: 15-065-23952-00-00
 Field: KENYON SOUTHWEST
 Country: USA

Scale 1:240 Imperial

Well Name: PARIS #1
 Surface Location: SW SE SE S4 T8S R21W
 Bottom Location:
 API: 15-065-23952-00-00
 License Number: 34272
 Spud Date: 8/3/2013 Time: 6:41 AM
 Region: GRAHAM COUNTY
 Drilling Completed: 8/7/2013 Time: 8:00 PM
 Surface Coordinates: 330 FSL & 990 FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2014.00ft
 K.B. Elevation: 2022.00ft
 Logged Interval: 2900.00ft To: 3620.00ft
 Total Depth: 3620.00ft
 Formation: LANSING KANSAS CITY
 Drilling Fluid Type: CHEMICAL/ FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 330 FSL
 E/W Co-ord: 990 FWL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: Geologist Name: STEVE REED/ HERB DEINES

CONTRACTOR

Contractor: DISCOVERY DRILLING, INC
 Rig #: 1
 Rig Type: MUD ROTARY
 Spud Date: 8/3/2013 Time: 6:41 AM
 TD Date: 8/7/2013 Time: 8:00 PM
 Rig Release: 8/8/2013 Time: 12:30 PM

ELEVATIONS

K.B. Elevation: 2022.00ft Ground Elevation: 2014.00ft
 K.B. to Ground: 8.00ft

NOTES

RECOMMENDATION TO PLUG WELL BASED ON NEGATIVE DRILL STEM TEST RESULTS AND LOW STRUCTURE WITH RESPECT TO COMPARISON WELLS.

GEOPHYSICAL WELL LOGGING WAS PERFORMED BY GEMINI WIRELINE: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG AND MICRORESISTIVITY LOG

DRILL STEM TESTING WAS PERFORMED BY TRILOBITE TESTING, INC. : ONE (1) CONVENTIONAL TEST AND ONE (1) STRADDLE TEST WERE RUN

FORMATION TOPS AND CHRONOLOGY OF DAILY ACTIVITY

	WELL NAME		COMPARISON WELL	COMPARISON WELL
	PARIS #1		NEVINS #1	NEVINS UNIT #1
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS	LOG TOPS
ANHYDRITE	1589 + 433	1584 + 438	+446	+442
B-ANHYDRITE	1620 + 402	1616 + 406	+415	+410
TOPEKA	3003 - 981	2996 - 974	-954	-966
HEEBNER SHALE	3216 - 1194	3214 - 1192	-1165	-1173
TORONTO	3239 - 1217	3236 - 1214	-1187	-1198
LKC	3254 - 1232	3251 - 1229	-1203	-1213
BKC	3455 - 1433	3455 - 1433	-1406	-1409
ARBUCKLE	3533 - 1511	3532 - 1510	-1513	-1491
RTD & LTD	3620 - 1598	3619 - 1597		

SUMMARY OF DAILY ACTIVITY

8-3-13 RU, spud, set 8 5/8" surface pipe to 221 w/150 sxs common 2% gel, 3%CC, plug down, WOC 8 hrs

8-4-13 714', drilling

8-5-13 2532', drilling, 3226'CFS 20-40-60, Short trip.

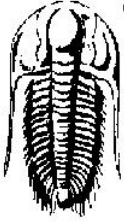
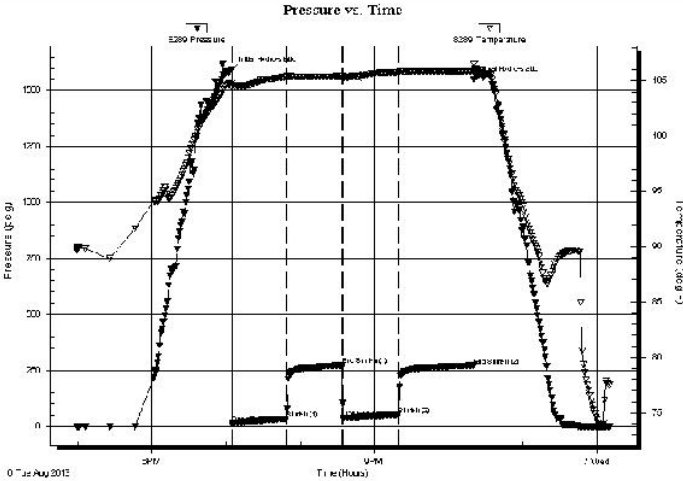
8-6-13 3337', 3300'CFS 20-40-60; 3337' CFS 20-40-60; DST #1 LKC "c-f" 3280' to 3337'. Strap .78 long, slope 1 degree

8-7-13 3620', RTD. 3426' CFS 20-40-60; mini trip, Logging

8-8-13 3620', DST #2 straddle ARBUCKLE 3512' to 3556'. P&A

8-9-13 Rig down

DST#1 3280' TO 3337' "C" TO "F" LKC TEST SUMMARY

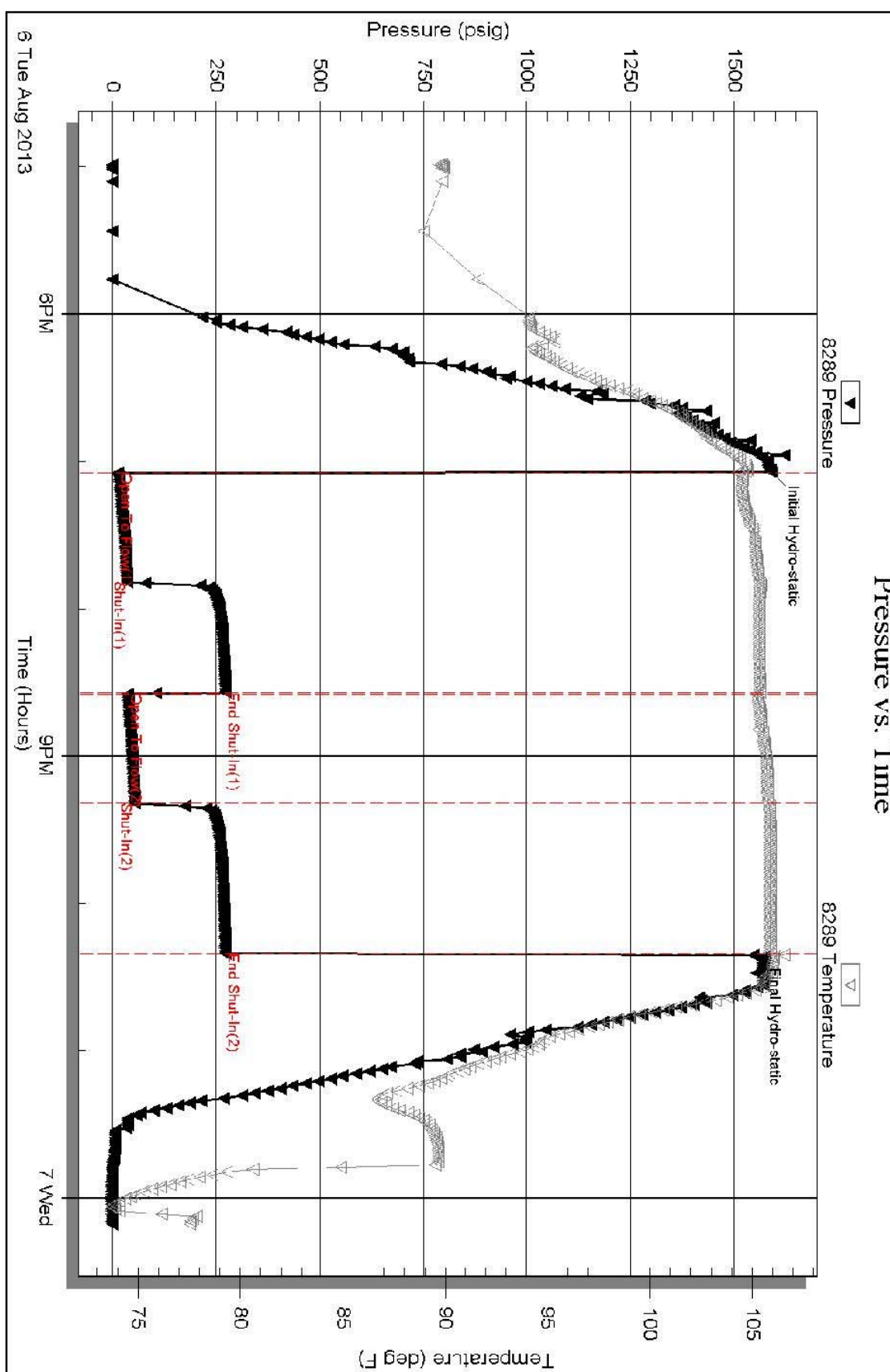
	DRILL STEM TEST REPORT																												
	Outlaw Well Service LLC 1408 Weat 42nd Hays KS 67601 ATTN: Steve Reed	4 8s 21w Graham Paris # 1 Job Ticket: 50451 DST#:1 Test Start: 2013.08.06 @ 16:59:00																											
GENERAL INFORMATION:																													
Formation: LKC "C - F" Deviated: No Whipstock: 2022.00 ft (KB) Time Tool Opened: 19:04:30 Time Test Ended: 00:11:00		Test Type: Conventional Bottom Hole (Initial) Tester: Jim Svaty Unit No: 54																											
Interval: 3280.00 ft (KB) To 3337.00 ft (KB) (TVD) Total Depth: 3337.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair		Reference Elevations: 2022.00 ft (KB) 2015.00 ft (CF) KB to GR/CF: 7.00 ft																											
Serial #: 8289 Outside																													
Press@RunDepth: 53.02 psig @ 3300.00 ft (KB) Start Date: 2013.08.06 End Date: 2013.08.07 Start Time: 16:59:02 End Time: 00:11:00		Capacity: 8000.00 psig Last Calib.: 2013.08.07 Time On Btm: 2013.08.06 @ 19:04:15 Time Off Btm: 2013.08.06 @ 22:20:45																											
TEST COMMENT: 45-IFP- Surface Blow Building to 5 1/4in. 45-ISIP- No Blow 45-FFP- No Blow Flushed at 15 min. Surface Blow Building to 1/2in. 60-FSIP- No Blow																													
	PRESSURE SUMMARY																												
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation																									
	0	1591.64	104.79	Initial Hydro-static																									
	1	12.47	104.28	Open To Flow (1)																									
	45	35.41	105.32	Shut-In(1)																									
	90	272.16	105.37	End Shut-In(1)																									
	91	36.63	105.25	Open To Flow (2)																									
	135	53.02	105.77	Shut-In(2)																									
	197	271.45	105.89	End Shut-In(2)																									
	197	1546.43	106.54	Final Hydro-static																									
Recovery	Gas Rates																												
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Length (ft)</th> <th style="width:55%;">Description</th> <th style="width:30%;">Volume (bbl)</th> </tr> </thead> <tbody> <tr> <td>50.00</td> <td>Mud 100%</td> <td>0.70</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Length (ft)	Description	Volume (bbl)	50.00	Mud 100%	0.70													<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:40%;"> </th> <th style="width:15%;">Choke (inches)</th> <th style="width:15%;">Pressure (psig)</th> <th style="width:30%;">Gas Rate (Mcf/d)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)				
Length (ft)	Description	Volume (bbl)																											
50.00	Mud 100%	0.70																											
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)																										

DST #1 PRESSURE VS. TIME CHART

TriLOBITE Testing, Inc

Ref. No: 50451

Printed: 2013.08.07 @ 08:05:32



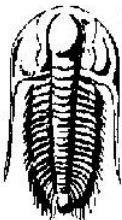
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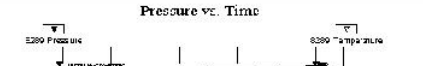
Outside Outlaw Well Service LLC

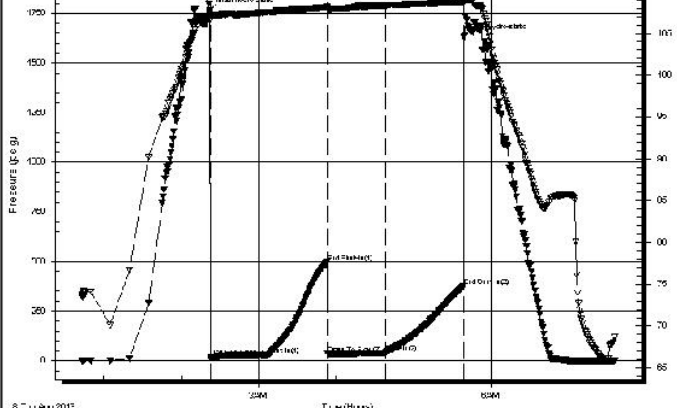
Paris # 1

DST Test Number: 1

DST #2 STRADDLE 3512' TO 3556' ARBUCKLE TEST SUMMARY

	DRILL STEM TEST REPORT	
	Outlaw Well Service LLC 1408 Weat 42nd Hays KS 67601 ATTN: Steve Reed	4 8s 21w Graham Paris # 1 Job Ticket: 50452 DST#:2 Test Start: 2013.08.08 @ 00:43:00
GENERAL INFORMATION:		
Formation: Arbuckle Deviated: No Whipstock: 2022.00 ft (KB) Time Tool Opened: 02:22:30 Time Test Ended: 07:36:00	Test Type: Conventional Straddle (Reset) Tester: Jim Svaty Unit No: 54	Reference Elevations: 2022.00 ft (KB) 2015.00 ft (CF) KB to GR/CF: 7.00 ft
Interval: 3512.00 ft (KB) To 3556.00 ft (KB) (TVD) Total Depth: 3620.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair		
Serial #: 8289 Outside Press@RunDepth: 39.37 psig @ 3515.00 ft (KB) Start Date: 2013.08.08 End Date: 2013.08.08 Start Time: 00:43:02 End Time: 07:36:00	Capacity: 8000.00 psig Last Calib.: 2013.08.08 Time On Btm: 2013.08.08 @ 02:22:15 Time Off Btm: 2013.08.08 @ 05:39:00	
TEST COMMENT: 45-IFP- Surface Blow in 2min. Building to 2 in. 45-ISIP- No Blow 45-FFP- Very Weak Surface Blow in 9 min. 60-FSIP- No Blow		

	PRESSURE SUMMARY			
	Time	Pressure	Temp	Annotation



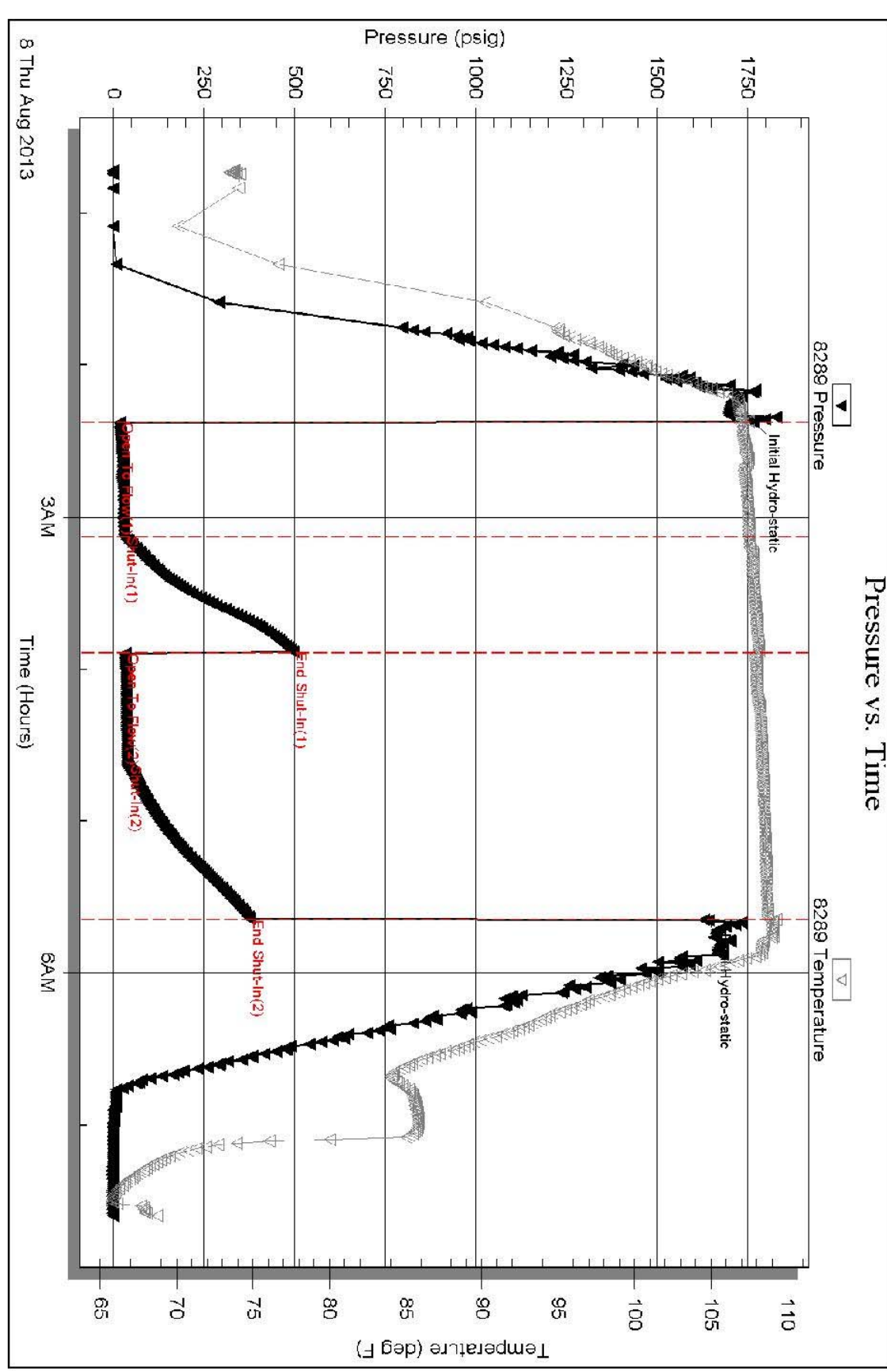
(Min.)	(psig)	(deg F)	
0	1765.58	107.44	Initial Hydro-static
1	17.91	106.82	Open To Flow (1)
46	29.87	107.51	Shut-In(1)
91	495.99	108.15	End Shut-In(1)
92	32.49	107.98	Open To Flow (2)
136	39.37	108.38	Shut-In(2)
197	377.71	108.73	End Shut-In(2)
197	1630.86	109.24	Final Hydro-static

Length (ft)	Description	Volume (bbl)
50.00	OCM 2%o 98%m	0.70
8.00	MCO 20%m 80%o	0.11

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

Recovery from multiple tests
 Trilobite Testing, Inc Ref. No: 50452 Printed: 2013.08.08 @ 08:34:27

DST #2 PRESSURE VS. TIME CHART BOTTOM PACKER HELD



Serial #: 8289 Outside Outlaw Well Service LLC Paris # 1 DST Test Number 2

Trilobite Testing, Inc Ref. No: 50452 Printed: 2013.08.08 @ 08:34:29

ACCESSORIES

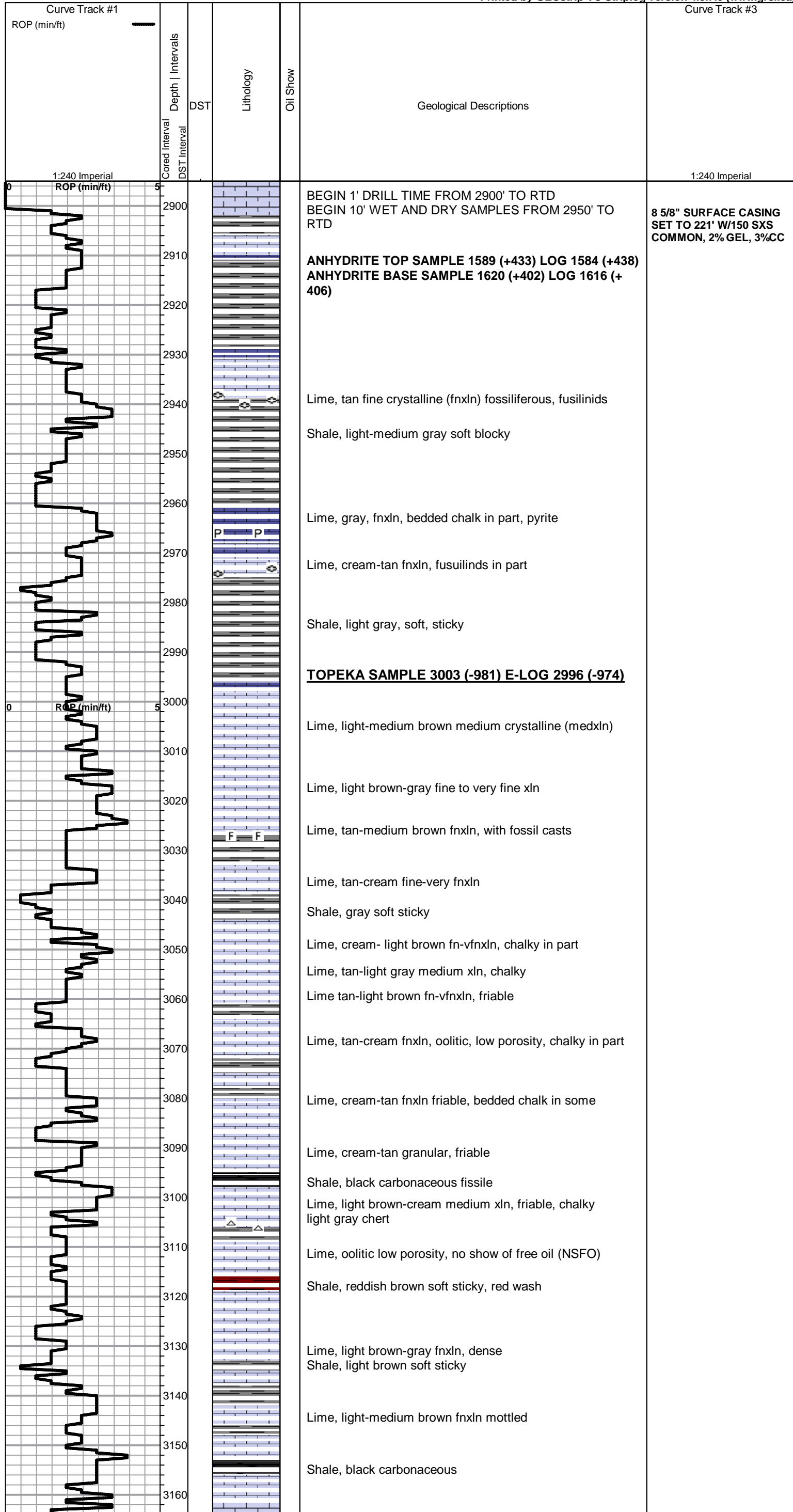
MINERAL
 P Pyrite
 △ Chert White

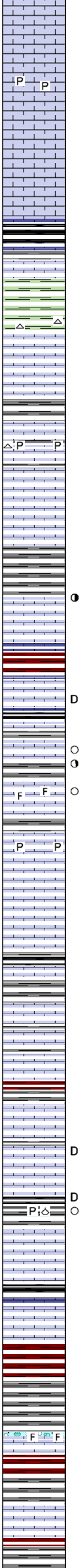
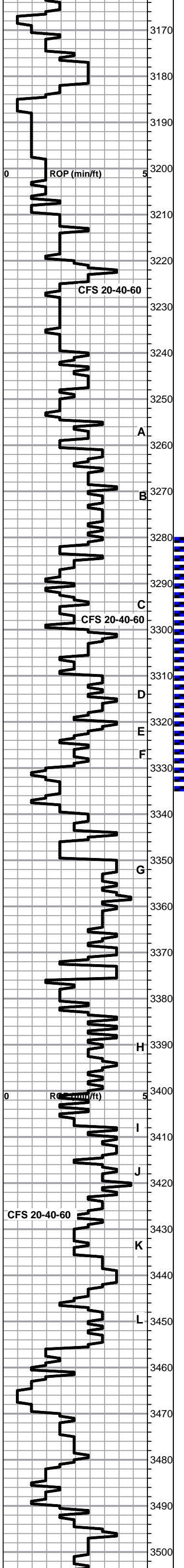
FOSSIL
 ◇ Brachiopod
 F Fossils < 20%
 ⊕ Fossiliferous

OTHER SYMBOLS

DST
 ■ DST Int
 ■ DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





Lime, light gray-brown fnxln, chalky

Lime, light tan-light brown fn-vnxln, chalky in part, pyrite

Lime, light brown-gray granular friable

Lime, light brown granular friable, very chalky

HEEBNER SAMPLE 3216 (-981) LOG 3214 (-974)
Shale, black carbonaceous

Shale, gray-green soft blocky

TORONTO SAMPLE 3239 (-1217) LOG 3236 (-1214)

Lime, cream-offwhite bright, dense medium xln

LKC SAMPLE 3254 (-1232) LOG 3251 (-1229)

Lime, oolitic, slightly oomoldic, low porosity, NSFO, no odor

Lime, cream fnxln friable

Lime, cream-tan fn-vfxln, dense

Lime, cream-tan fn-medxln dense

Shale, gray-brown sticky, soft

DST # 1 3280' TO 3337'
SEE HEADER FOR TEST
SUMMARY AND CHART

Lime, tan oolitic, show of free oil upon crush, sl odor, fluorescence under uv light.

Shale, reddish brown soft and sticky

Lime, off white medium xln, friable, with gilsonitic stain

Lime, tan-light brown fnxln, brittle

2 chips granular with slight stain, slight odor, NSFO

Lime, tan oolitic slight vugular porosity, SFO, slight odor

Lime, fossiliferous, slight stain, slight odor

Lime, cream off white fnxln brittle, pyrite

Lime, cream clean fn-medxln, friable, bedded chalk in part

Lime, cream fnxln

Shale, light- medium gray soft sticky

Lime, medium brown fn-medxln

Shale, light gray-greenish fissile

Lime, cream-tan fnxln

Lime, cream-light brown fn-medxln NSFO

Shale, purple-maroon-brownish soft blocky

Lime, light brown-tan fnxln with slight odor, gilsonitic stain NSFO, bedded chalk in part

Lime, tan fine intercrystalline porosity with slight scattered gilsonitic staining, 1 chip with free oil, low porosity, pyrite brachiopod

Lime, cream fine-medium xln

Lime, cream-light brown fn-medxln

Lime, light gray-brown granular chalky in part

BKC SAMPLE 3455 (-1433) LOG 3455 (-1433)

Shale, maroon-gray soft blocky

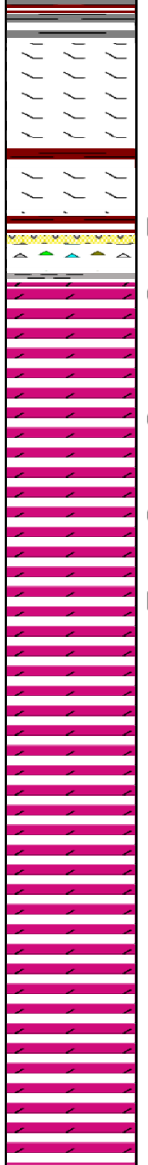
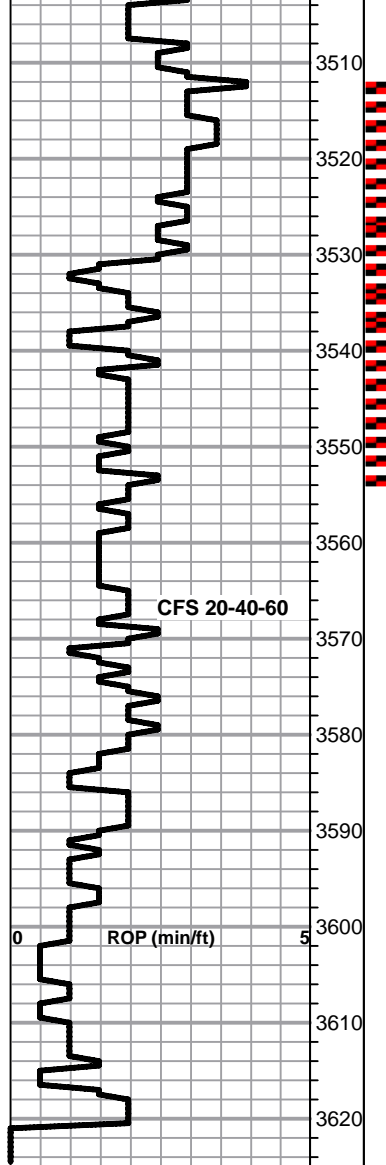
Lime, cream-light brown fnxln fossiliferous

Shale, gray- reddish brown soft sticky, red wash

Lime-cream- off white fnxln friable

Shale, brown soft blocky

Shale, gray-maroon sticky



Lime, cream granular, slightly dolomitic

Shale, reddish brown soft sticky, red wash

Sand clusters with slight gilsonitic stain

Cherts various colors

ARBUCKLE SAMPLE 3533 (-1511) LOG 3532 (-

Dolomite, well developed rhombic crystals, SFO, good odor, saturated stain, hard on crush

Dolomite, saturated stain frxn tight porosity

Dolomite, fine intercrystalline porosity with saturated stain

Dolomite, cream-tan frxn scattered stain, gilsonitic

Dolomite, cream frxn

Dolomite, cream frxn

Dolomite, cream fr-medxln

Dolomite, cream granular

RTD 3620-1598 LTD 3619-1597

**DST #2 STRADDLE TEST
3512' TO 3556' SEE
HEADER FOR TEST
SUMMARY AND CHART**



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Outlaw Well Service LLC

4 8s 21w Graham

1408 Weat 42nd
Hays KS 67601

Paris # 1

ATTN: Steve Reed

Job Ticket: 50451

DST#: 1

Test Start: 2013.08.06 @ 16:59:00

GENERAL INFORMATION:

Formation: **LKC " C - F "**

Deviated: No Whipstock: 2022.00 ft (KB)

Time Tool Opened: 19:04:30

Time Test Ended: 00:11:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 54

Interval: 3280.00 ft (KB) To 3337.00 ft (KB) (TVD)

Total Depth: 3337.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2022.00 ft (KB)

2015.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 53.02 psig @ 3300.00 ft (KB)

Start Date: 2013.08.06

End Date:

2013.08.07

Start Time: 16:59:02

End Time:

00:11:00

Capacity: 8000.00 psig

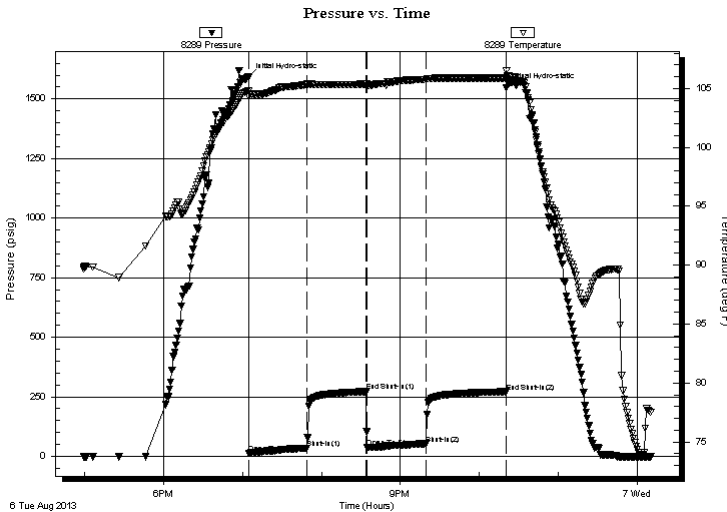
Last Calib.: 2013.08.07

Time On Btm: 2013.08.06 @ 19:04:15

Time Off Btm: 2013.08.06 @ 22:20:45

TEST COMMENT: 45-IFP- Surface Blow Building to 5 1/4in.
45-ISIP- No Blow
45-FFP- No Blow Flushed at 15 min. Surface Blow Building to 1/2in.
60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1591.64	104.79	Initial Hydro-static
1	12.47	104.28	Open To Flow (1)
45	35.41	105.32	Shut-In(1)
90	272.16	105.37	End Shut-In(1)
91	36.63	105.25	Open To Flow (2)
135	53.02	105.77	Shut-In(2)
197	271.45	105.89	End Shut-In(2)
197	1546.43	106.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%	0.70

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Outlaw Well Service LLC

4 8s 21w Graham

1408 Weat 42nd
Hays KS 67601

Paris # 1

Job Ticket: 50451

DST#: 1

ATTN: Steve Reed

Test Start: 2013.08.06 @ 16:59:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 43000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100%	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

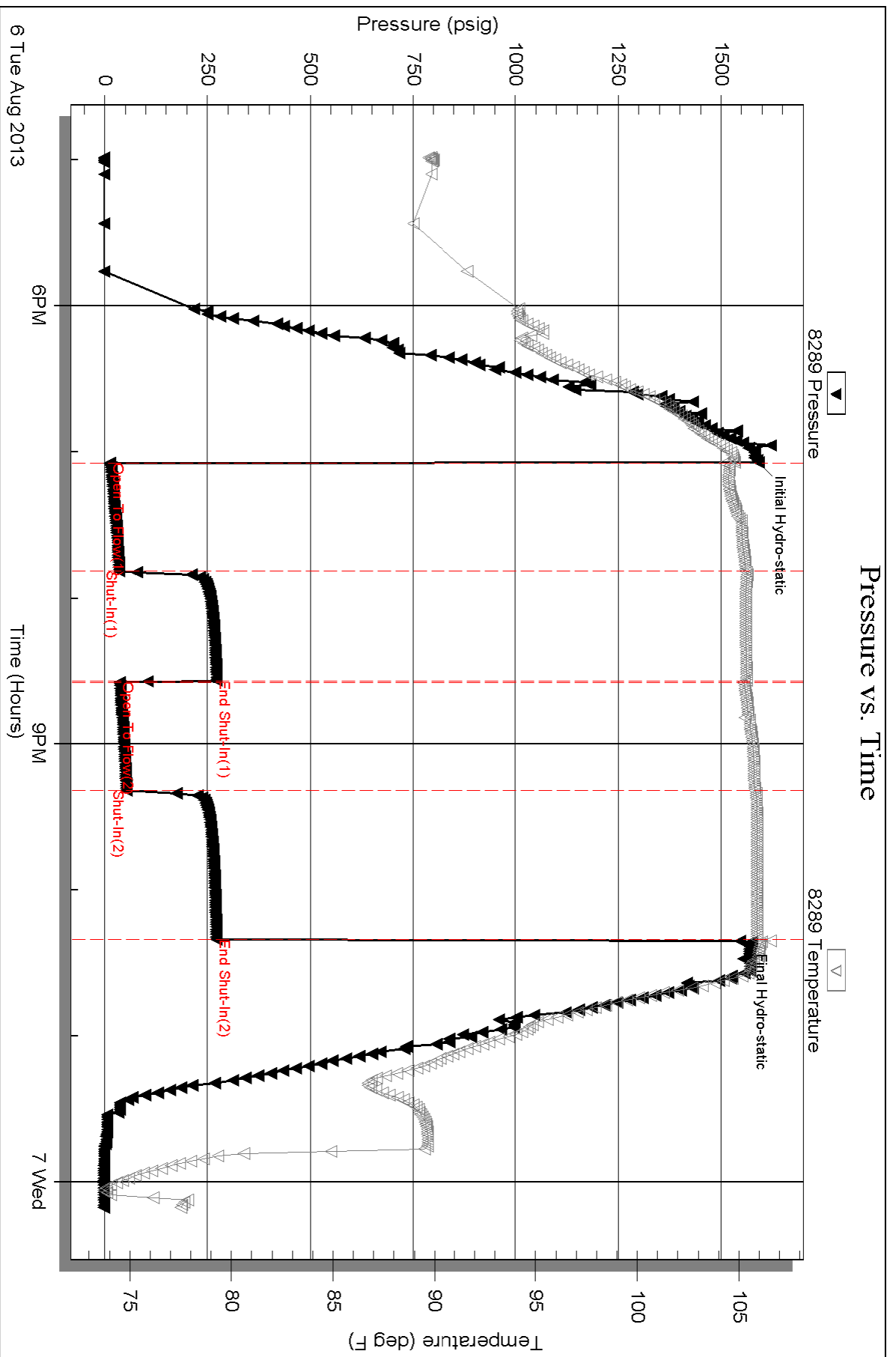
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Outlaw Well Service LLC

4 8s 21w Graham

1408 Weat 42nd
Hays KS 67601

Paris # 1

ATTN: Steve Reed

Job Ticket: 50452

DST#: 2

Test Start: 2013.08.08 @ 00:43:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 2022.00 ft (KB)

Time Tool Opened: 02:22:30

Time Test Ended: 07:36:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

Interval: 3512.00 ft (KB) To 3556.00 ft (KB) (TVD)

Reference Elevations: 2022.00 ft (KB)

Total Depth: 3620.00 ft (KB) (TVD)

2015.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 39.37 psig @ 3515.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.08

End Date:

2013.08.08

Last Calib.:

2013.08.08

Start Time: 00:43:02

End Time:

07:36:00

Time On Btm:

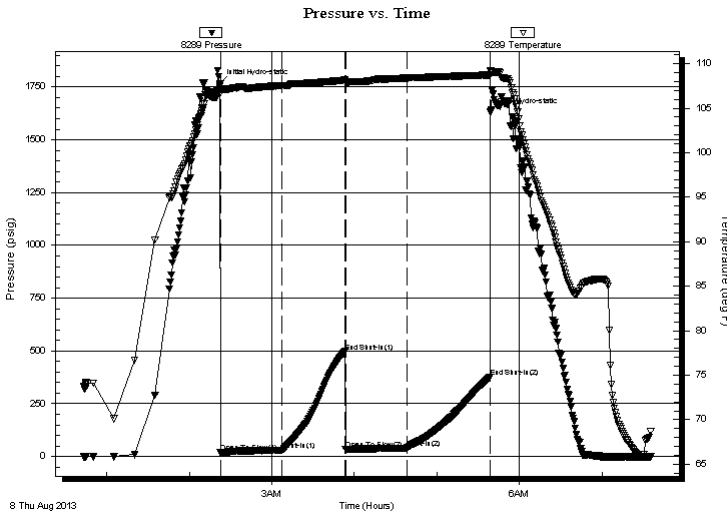
2013.08.08 @ 02:22:15

Time Off Btm:

2013.08.08 @ 05:39:00

TEST COMMENT: 45-IFP- Surface Blow in 2min. Building to 2 in.
45-ISIP- No Blow
45-FFP- Very Weak Surface Blow in 9 min.
60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1765.58	107.44	Initial Hydro-static
1	17.91	106.82	Open To Flow (1)
46	29.87	107.51	Shut-In(1)
91	495.99	108.15	End Shut-In(1)
92	32.49	107.98	Open To Flow (2)
136	39.37	108.38	Shut-In(2)
197	377.71	108.73	End Shut-In(2)
197	1630.86	109.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 2%o 98% m	0.70
8.00	MCO 20% m 80% o	0.11

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Outlaw Well Service LLC

1408 Weat 42nd
Hays KS 67601

ATTN: Steve Reed

4 8s 21w Graham

Paris # 1

Job Ticket: 50452

DST#: 2

Test Start: 2013.08.08 @ 00:43:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 2022.00 ft (KB)

Time Tool Opened: 02:22:30

Time Test Ended: 07:36:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

Interval: 3512.00 ft (KB) To 3556.00 ft (KB) (TVD)

Total Depth: 3620.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2022.00 ft (KB)

2015.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6668 Below (Straddle)

Press @ RunDepth: psig @ 3583.00 ft (KB)

Start Date: 2013.08.08

End Date: 2013.08.08

Start Time: 00:43:02

End Time: 07:35:45

Capacity: 8000.00 psig

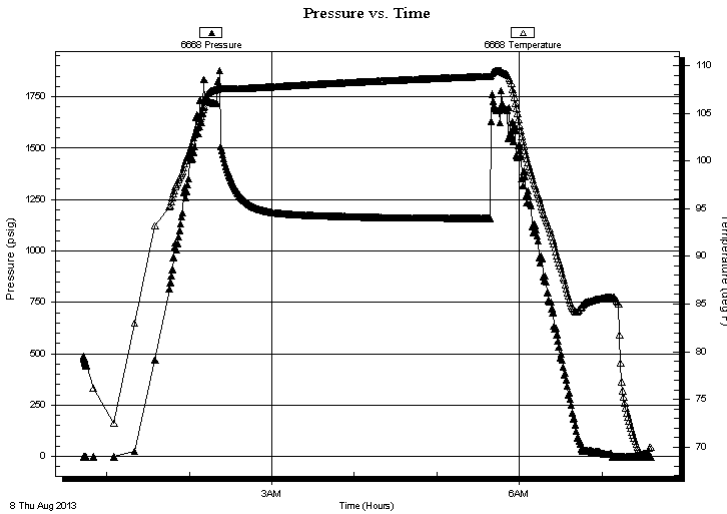
Last Calib.: 2013.08.08

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IFP- Surface Blow in 2min. Building to 2 in.
45-ISIP- No Blow
45-FFP- Very Weak Surface Blow in 9 min.
60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 2%o 98%m	0.70
8.00	MCO 20%m 80%o	0.11

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Outlaw Well Service LLC

4 8s 21w Graham

1408 Weat 42nd
Hays KS 67601

Paris # 1

Job Ticket: 50452

DST#: 2

ATTN: Steve Reed

Test Start: 2013.08.08 @ 00:43:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	OCM 2%o 98%m	0.701
8.00	MCO 20%m 80%o	0.112

Total Length: 58.00 ft Total Volume: 0.813 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

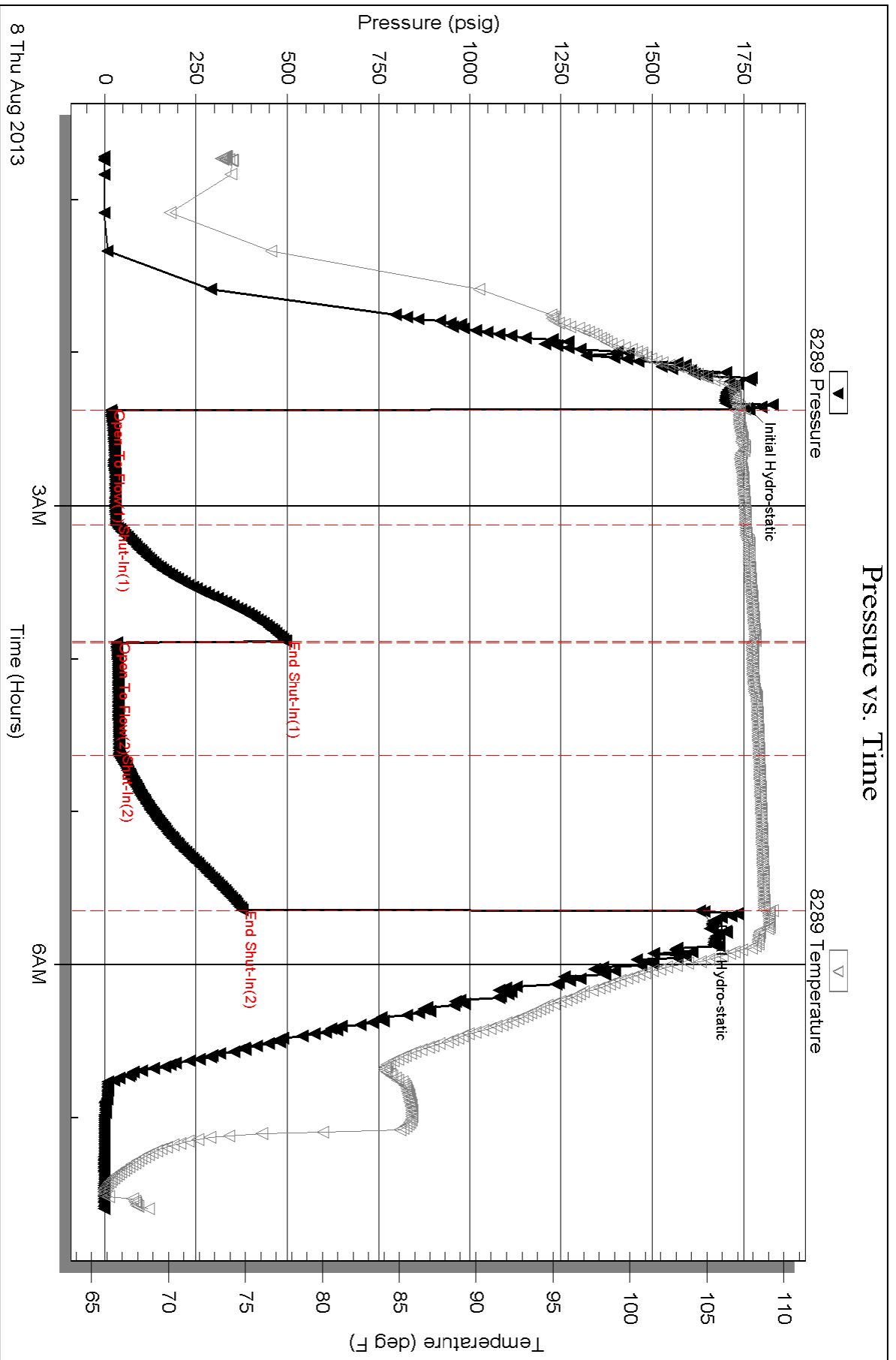
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

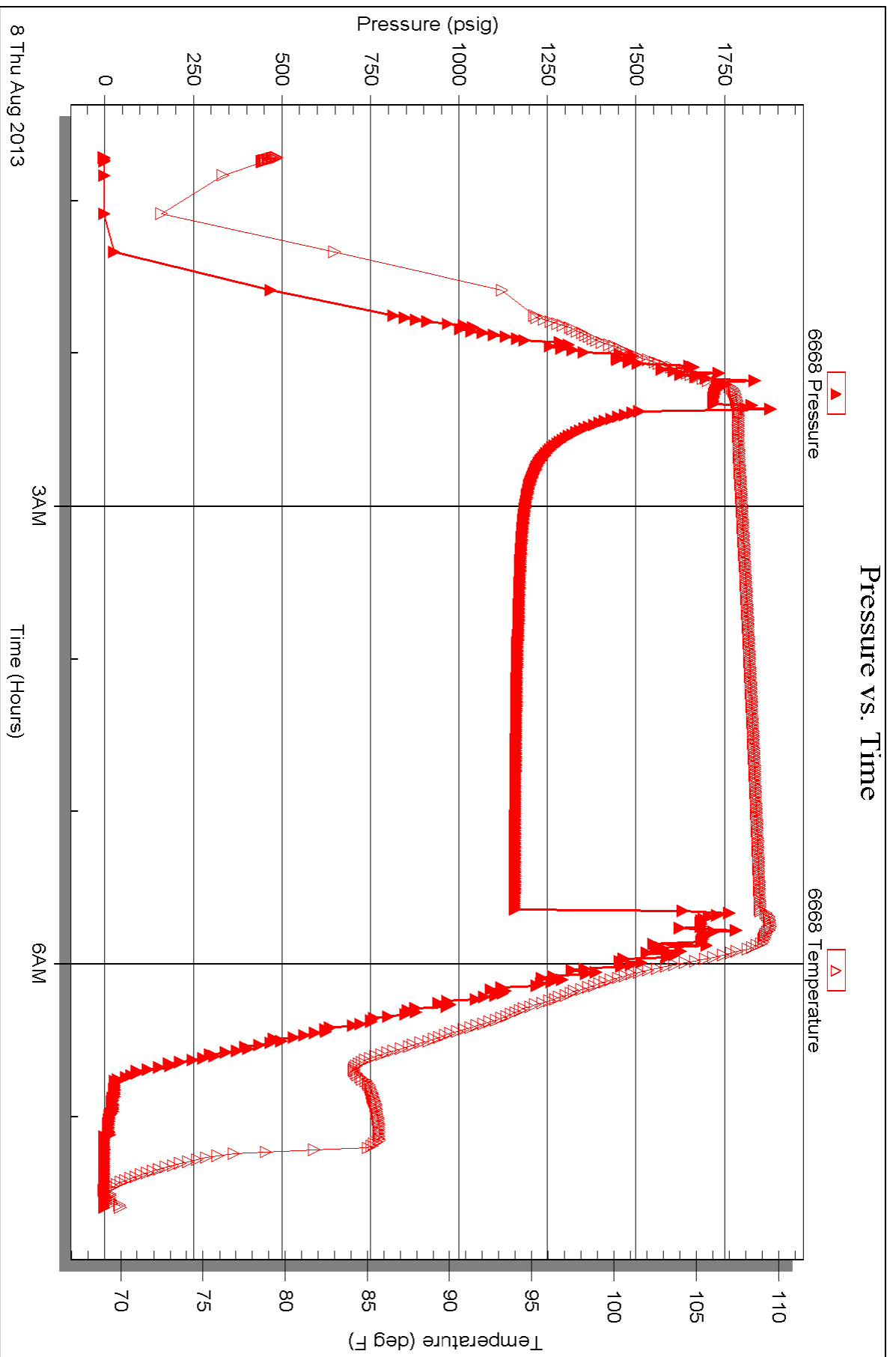


Serial #: 6668

Below (Straddle) Well Service LLC

Paris # 1

DST Test Number: 2



QUALITY OILWELL CEMENTING, INC.

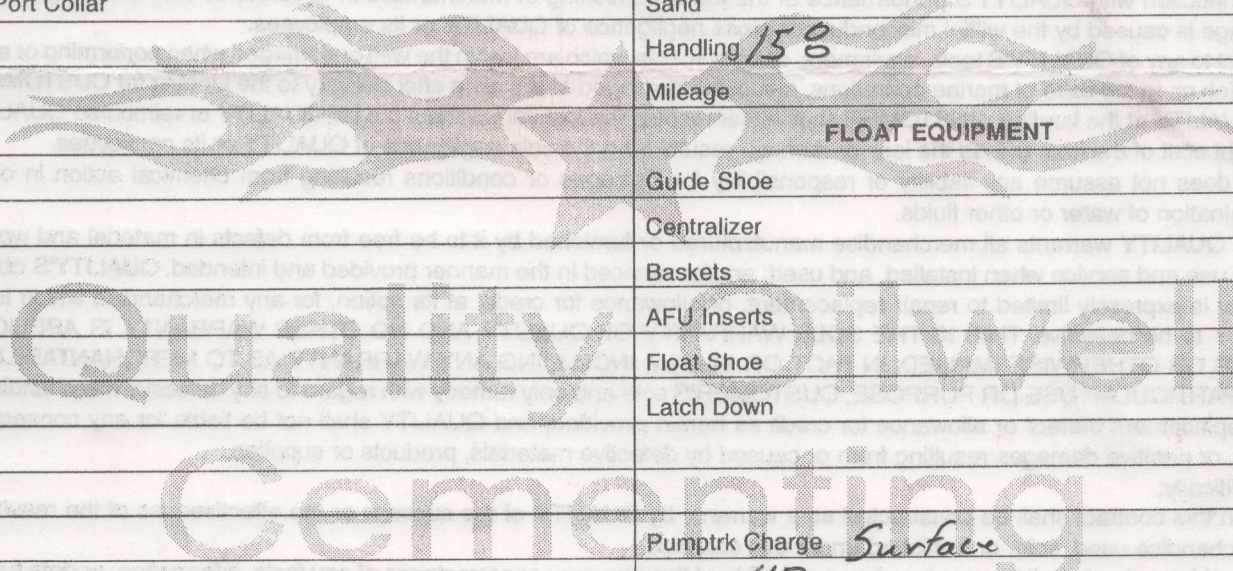
Federal Tax I.D.# 20-2886107

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

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

No. 7946

Date	8-3-13	Sec.	4	Twp.	8	Range	21	County	Graham	State	Ks	On Location		Finish	6:30 PM	
Lease	Paris							Well No.	1	Location Hwy 18 + 24 Jct, 1/2 E to Rd R						
Contractor	Discovery #1							Owner	1/4 E on Rd R, N 1/4 into							
Type Job	Surface							To Quality Oilwell Cementing, 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	12 1/4"		T.D.	221'		Charge To	Outlaw well Service LLC									
Csg.	8 5/8"		Depth	221'		Street	1408 W 42nd									
Tbg. Size			Depth			City	Hays			State	Ks 67601					
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left in Csg.	15'		Shoe Joint	15'		Cement Amount Ordered	150 Common 3%cc 2%bd									
Meas Line			Displace	13 BLS												
EQUIPMENT						Common 150										
Pumptrk	5	No.	Cementer	Billy		Poz. Mix										
Bulktrk	1	No.	Helper	Heath		Gel. 3										
Bulktrk	p.u.	No.	Driver	Rick		Calcium 5										
JOB SERVICES & REMARKS						Hulls										
Remarks:	Cement did Circulate.					Salt										
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 150										
						Mileage										
						FLOAT EQUIPMENT										
						Guide Shoe										
						Centralizer										
						Baskets										
						AFU Inserts										
						Float Shoe										
						Latch Down										
						Pumptrk Charge Surface										
						Mileage 43										
						Tax										
						Discount										
						Total Charge										
X Signature	[Signature]															



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 7284

Cell 785-324-1041

Date	8-8-13	Sec.	4	Twp.	8	Range	21	County	Graham	State	KS	On Location		Finish	4:30 PM
------	--------	------	---	------	---	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Location Bogue Rd R 1/2 E N into

Lease Paris Well No. # 1 Owner

Contractor Discovery #1 To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job Plug Charge To Outlaw Well Service

Hole Size 7 1/4 T.D. 3620'

Csg. Drill Pipe Depth 3620' Street

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 270 60/40 4% Gel 1/4 flow

Meas Line Displace

EQUIPMENT Common 162

Pumptrk	5	No.	Cementer		Poz. Mix	<u>108</u>
			Helper	<u>Nick</u>		

Bulktrk	12	No.	Driver	<u>David</u>	Gel.	<u>10</u>
			Driver			

Bulktrk	PU	No.	Driver	<u>Brett</u>	Calcium	
			Driver			

JOB SERVICES & REMARKS Hulls

Remarks: Salt

Rat Hole 30 sx Flowseal 67#

Mouse Hole 15 sx Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

Handling 870

1st plug @ 3600' w/ 50sx Mileage

2nd plug @ 1575' w/ 25sx 6 3/4 **FLOAT EQUIPMENT**

3rd plug @ 825' w/ 100sx Guide Shoe

4th plug @ 275' w/ 40sx Centralizer

5th plug @ 40 Baskets

AFU Inserts

Float Shoe

Latch Down

Wood plug 1

Pumptrk Charge plug

Mileage 43

Tax

Discount

Total Charge

X Signature Clark Marshall