



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
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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

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: _____



1061564

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
_____ 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 <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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Pope 1-20
Doc ID	1061564

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Pope 1-20
Doc ID	1061564

Tops

Name	Top	Datum
Base Anhydrite	2530	+504
Heebner	3972	-938
Lansing	4008	-974
Muncie Creek	4167	-1133
Stark Shale	4257	-1223
Hushpuckney	4288	-1254
Pawnee	4452	-1418
Cherokee Shale	4533	-1499
Johnson Zone	4576	-1542
Mississippian	4639	-1605



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.
202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

Pope 1-20

20-13-32w Logan Co K

Job Ticket: 43175

DST#: 1

Test Start: 2011.07.27 @ 00:09:15

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:59:15

Time Test Ended: 09:25:30

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 3999.00 ft (KB) To 4028.00 ft (KB) (TVD)

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4028.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6669 Outside

Press @ Run Depth: 1194.24 psig @ 4054.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.27

End Date: 2011.07.27

Last Calib.: 2011.07.28

Start Time: 00:09:15

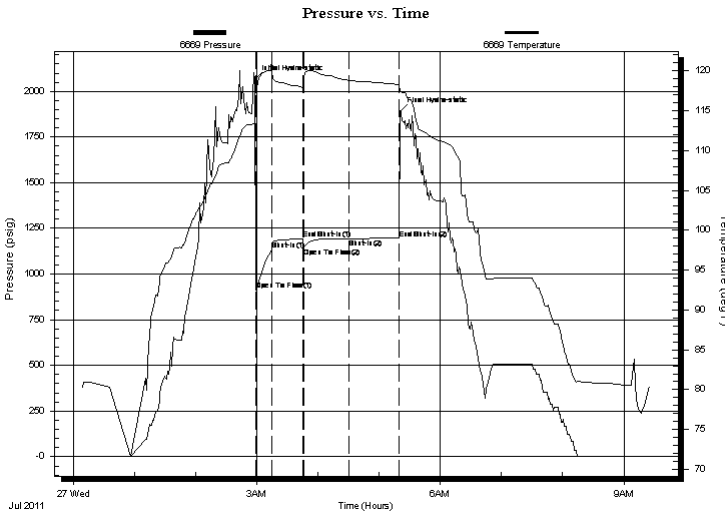
End Time: 09:25:30

Time On Btm: 2011.07.27 @ 02:58:15

Time Off Btm: 2011.07.27 @ 05:20:30

TEST COMMENT: IF:BOB in 30 sec.
IS:No return blow
FF:BOB in 1 min
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2063.47	113.44	Initial Hydro-static
1	910.46	116.18	Open To Flow (1)
17	1134.35	120.04	Shut-In(1)
48	1192.15	117.87	End Shut-In(1)
48	1143.57	118.57	Open To Flow (2)
92	1194.24	118.81	Shut-In(2)
142	1194.49	118.29	End Shut-In(2)
143	1888.52	117.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1054.00	sw 100% sw	13.66

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.Inc.

Pope 1-20

202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

20-13-32w Logan Co K

Job Ticket: 43175

DST#: 1

Test Start: 2011.07.27 @ 00:09:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1054.00	sw 100% sw	13.655

Total Length: 1054.00 ft Total Volume: 13.655 bbl

Num Fluid Samples: 0

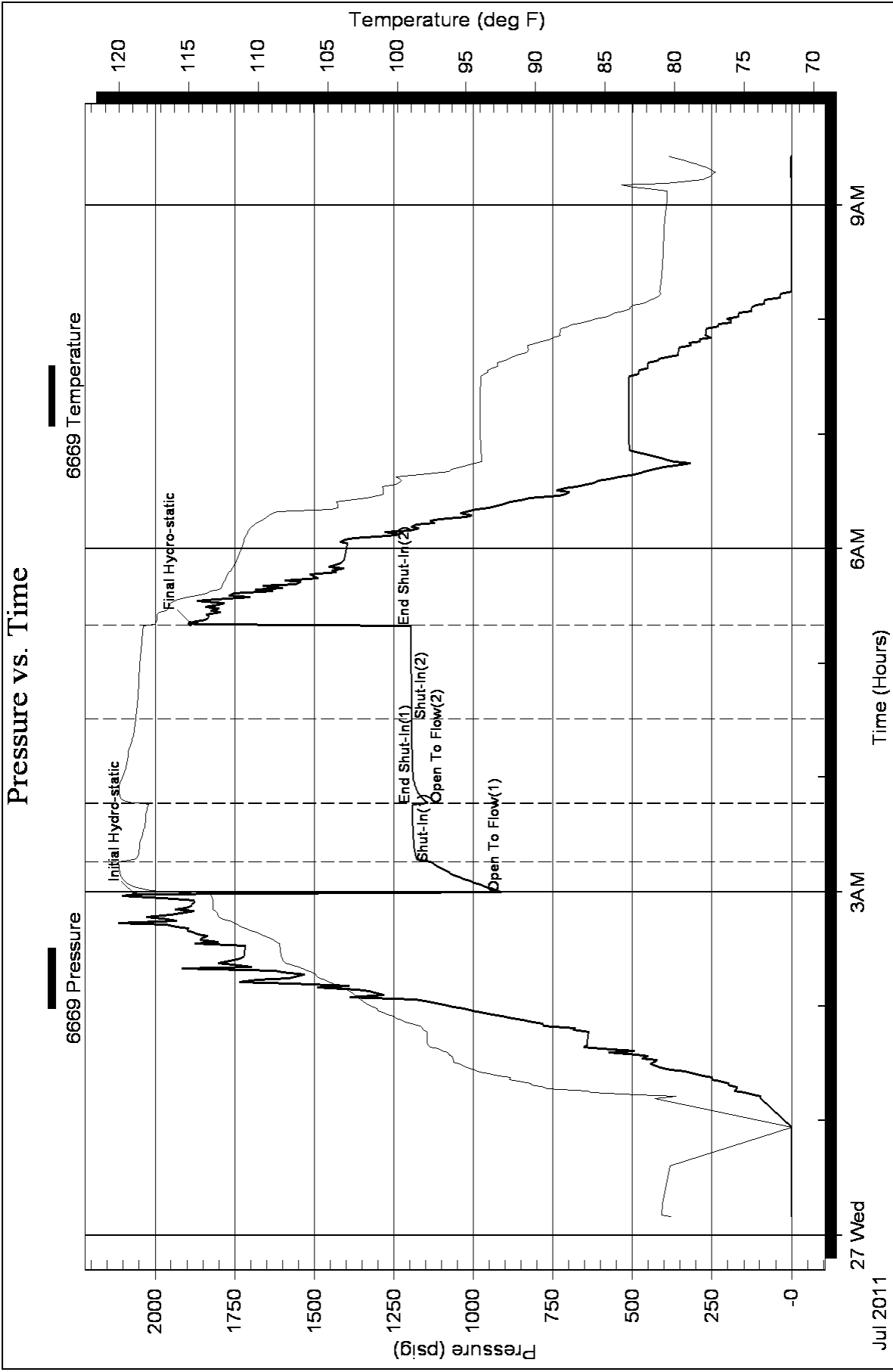
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .287 @ 71.4*= 25,000 ppm





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DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.
202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

Pope 1-20

20-13-32w Logan Co K

Job Ticket: 43276

DST#: 2

Test Start: 2011.07.28 @ 19:26:15

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:41:45

Time Test Ended: 05:04:30

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4033.00 ft (KB) To 4058.00 ft (KB) (TVD)

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4058.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6669 Outside

Press @ Run Depth: 105.62 psig @ 4053.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.28

End Date:

2011.07.29

Last Calib.:

2011.07.29

Start Time: 19:26:15

End Time:

05:04:30

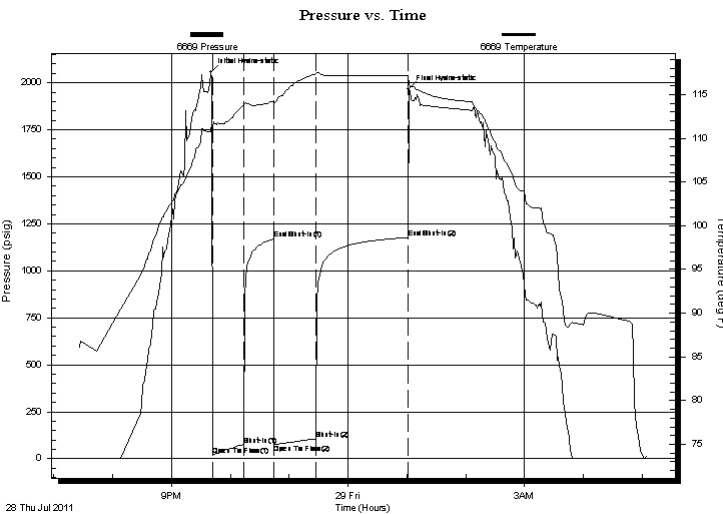
Time On Btm:

2011.07.28 @ 21:40:15

Time Off Btm:

2011.07.29 @ 01:02:00

TEST COMMENT: IF: Built to 2 1/2" blow
IS: No return blow
FF: Built to 5" blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2055.22	111.08	Initial Hydro-static
2	17.46	111.26	Open To Flow (1)
33	74.12	113.75	Shut-In(1)
64	1168.75	114.25	End Shut-In(1)
65	75.91	113.94	Open To Flow (2)
107	105.62	117.38	Shut-In(2)
201	1176.96	117.21	End Shut-In(2)
202	1966.09	116.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	sw	2.35

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.Inc.

Pope 1-20

202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

20-13-32w Logan Co K

Job Ticket: 43276

DST#: 2

Test Start: 2011.07.28 @ 19:26:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	sw	2.349

Total Length: 248.00 ft Total Volume: 2.349 bbl

Num Fluid Samples: 0

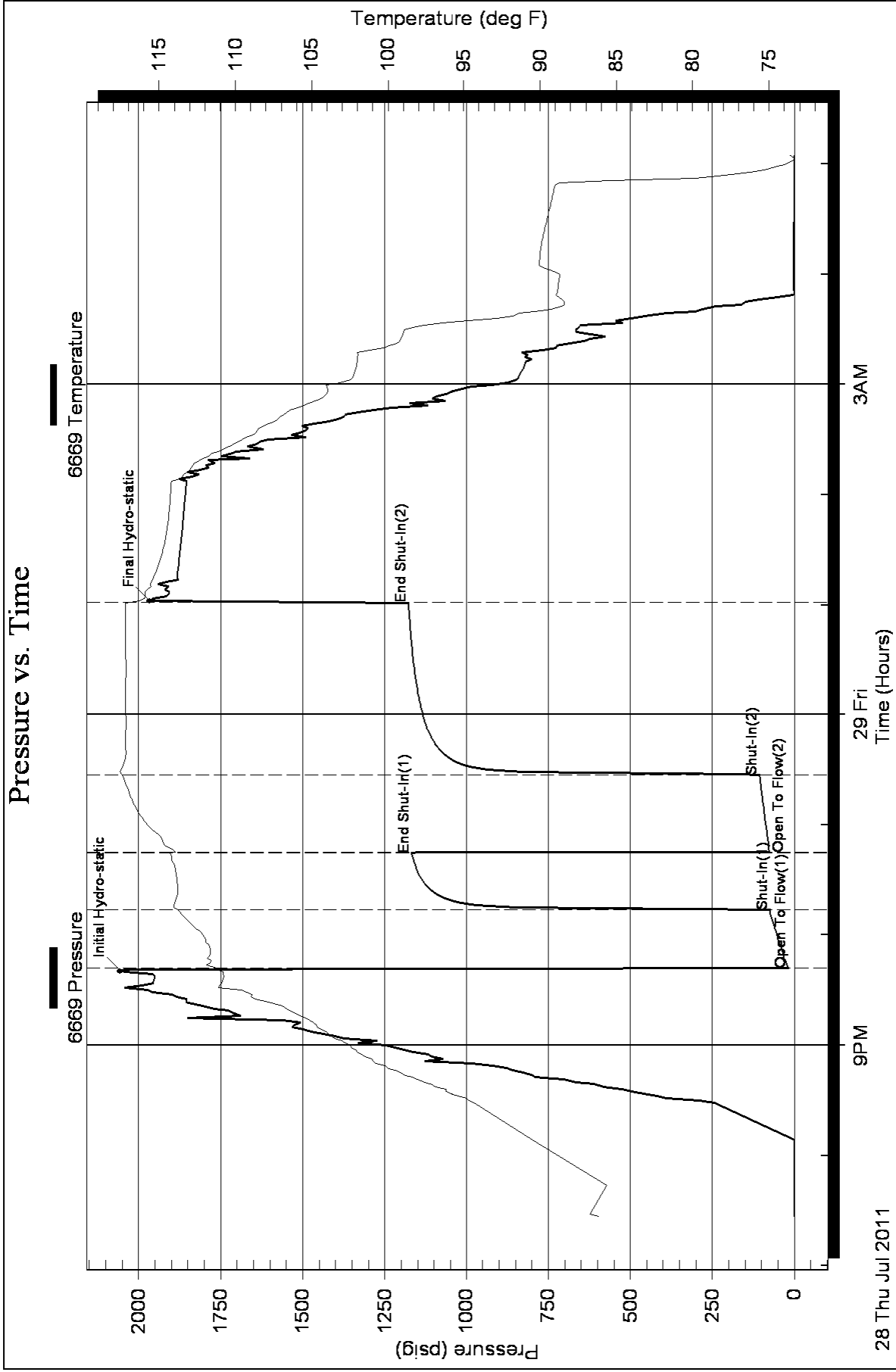
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .289@738=26,000 ppm





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DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.
202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

Pope 1-20

20-13-32w Logan Co K

Job Ticket: 43277

DST#: 3

Test Start: 2011.07.29 @ 17:00:15

GENERAL INFORMATION:

Formation: **Lansing "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:58:30

Time Test Ended: 22:21:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4080.00 ft (KB) To 4102.00 ft (KB) (TVD)

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4080.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6669 Outside

Press @ Run Depth: 24.88 psig @ 4097.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.29

End Date:

2011.07.29

Last Calib.:

2011.07.29

Start Time:

17:00:15

End Time:

22:21:00

Time On Btm:

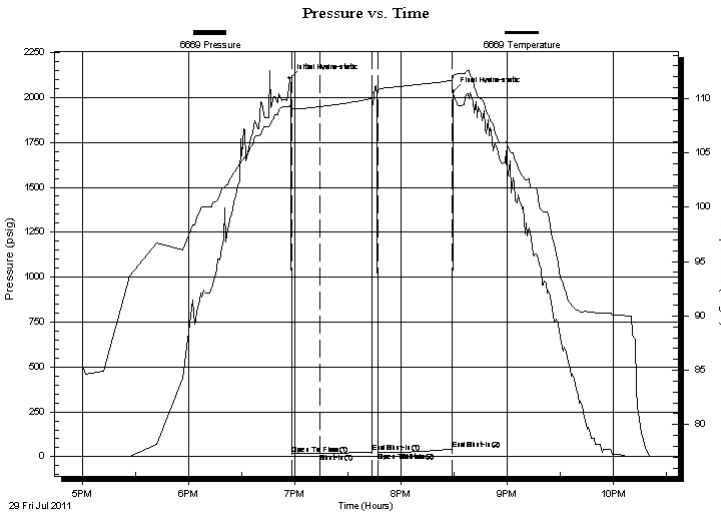
2011.07.29 @ 18:57:15

Time Off Btm:

2011.07.29 @ 20:29:30

TEST COMMENT: IF: Blew and died instantly
IS: No return blow
FF: Flushed tool-- blew -- died instantly
FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.24	109.30	Initial Hydro-static
2	15.04	109.16	Open To Flow (1)
17	17.79	109.26	Shut-In(1)
47	26.73	109.99	End Shut-In(1)
50	24.79	110.65	Open To Flow (2)
63	24.88	111.12	Shut-In(2)
92	42.83	111.66	End Shut-In(2)
93	2033.19	112.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.Inc.

Pope 1-20

202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

20-13-32w Logan Co K

Job Ticket: 43277 **DST#: 3**
Test Start: 2011.07.29 @ 17:00:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

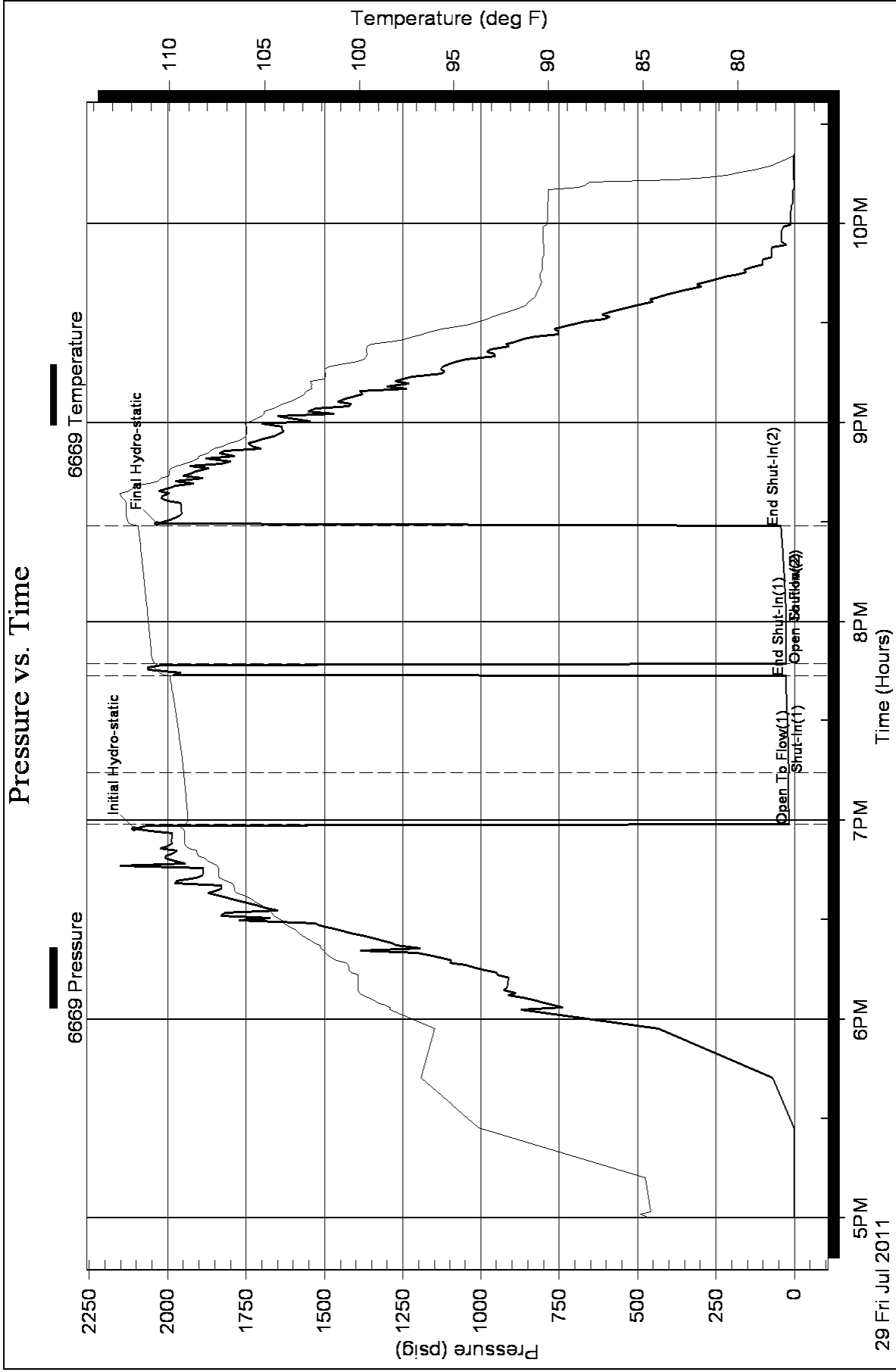
Length ft	Description	Volume bbl
5.00	mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.
202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

Pope 1-20

20-13-32w Logan Co K

Job Ticket: 43278

DST#: 4

Test Start: 2011.07.30 @ 16:06:15

GENERAL INFORMATION:

Formation: **Lansing "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:45:15

Time Test Ended: 21:34:45

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4162.00 ft (KB) To 4223.00 ft (KB) (TVD)

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4223.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6669 Outside

Press @ Run Depth: 87.63 psig @ 4218.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.30

End Date: 2011.07.30

Last Calib.: 2011.07.30

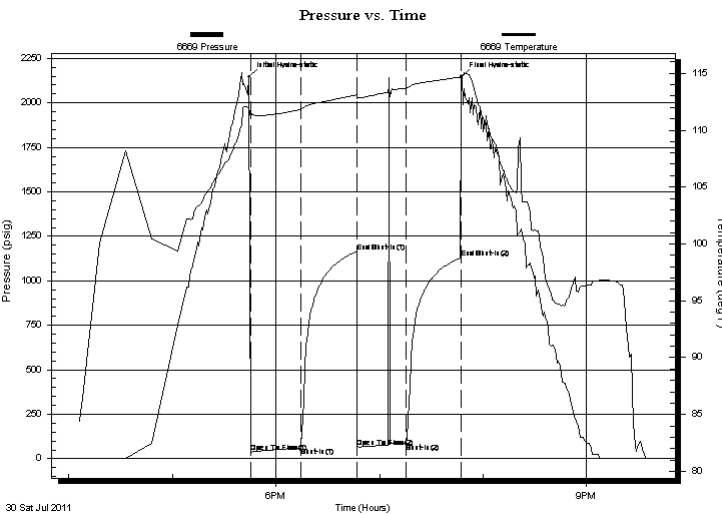
Start Time: 16:06:15

End Time: 21:34:45

Time On Btm: 2011.07.30 @ 17:44:30

Time Off Btm: 2011.07.30 @ 19:47:45

TEST COMMENT: IF: Weak blow built to 3/4"
IS: No return blow
FF: No blow --- flushed tool --- no blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2145.92	111.97	Initial Hydro-static
1	36.24	111.08	Open To Flow (1)
30	62.57	111.81	Shut-In(1)
63	1164.10	113.10	End Shut-In(1)
63	67.19	112.75	Open To Flow (2)
91	87.63	113.70	Shut-In(2)
123	1128.96	114.66	End Shut-In(2)
124	2147.78	114.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	mud	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.Inc.
202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

Pope 1-20
20-13-32w Logan Co K
Job Ticket: 43278 **DST#: 4**
Test Start: 2011.07.30 @ 16:06:15

Mud and Cushion Information

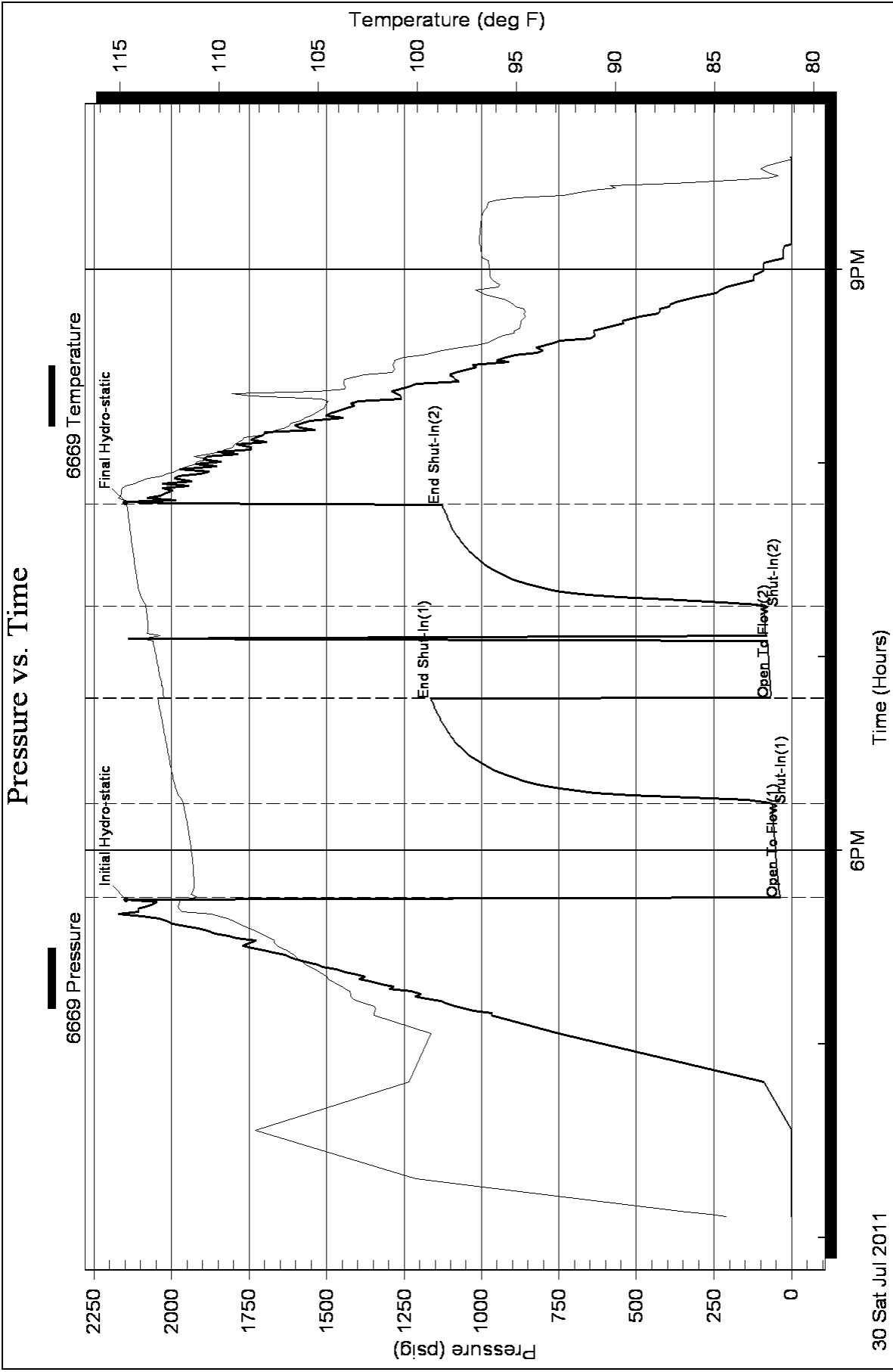
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	mud	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co.Inc.
202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

Pope 1-20

20-13-32w Logan Co K

Job Ticket: 43279

DST#: 5

Test Start: 2011.08.01 @ 08:55:15

GENERAL INFORMATION:

Formation: **Pawnee-Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:54:30

Time Test Ended: 14:42:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4442.00 ft (KB) To 4534.00 ft (KB) (TVD)

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4534.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6669 Outside

Press @ Run Depth: 58.24 psig @ 4529.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.01

End Date:

2011.08.01

Last Calib.: 2011.08.01

Start Time: 08:55:15

End Time:

14:42:00

Time On Btm: 2011.08.01 @ 10:54:00

Time Off Btm: 2011.08.01 @ 12:55:00

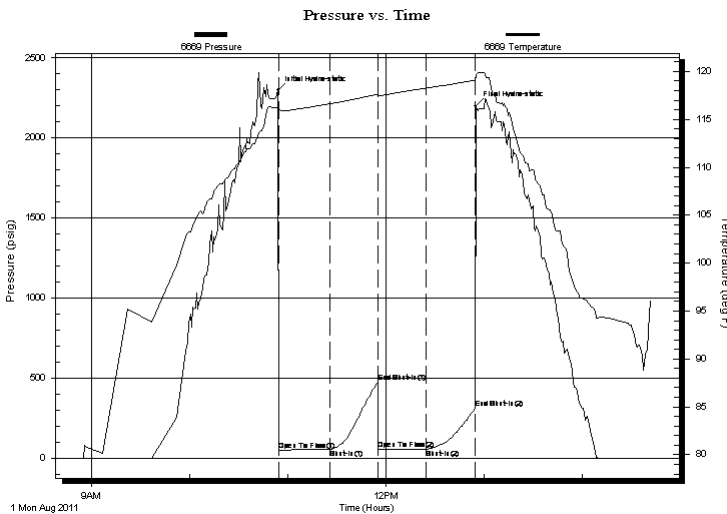
TEST COMMENT: IF: Built to a weak surface blow

IS: No return blow

FF: No blow

FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2296.74	116.37	Initial Hydro-static
1	53.57	116.08	Open To Flow (1)
32	56.92	116.64	Shut-In(1)
61	480.44	117.61	End Shut-In(1)
62	57.12	117.38	Open To Flow (2)
91	58.24	118.26	Shut-In(2)
121	313.89	119.08	End Shut-In(2)
121	2200.32	119.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.Inc.

Pope 1-20

202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

20-13-32w Logan Co K

Job Ticket: 43279

DST#: 5

Test Start: 2011.08.01 @ 08:55:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

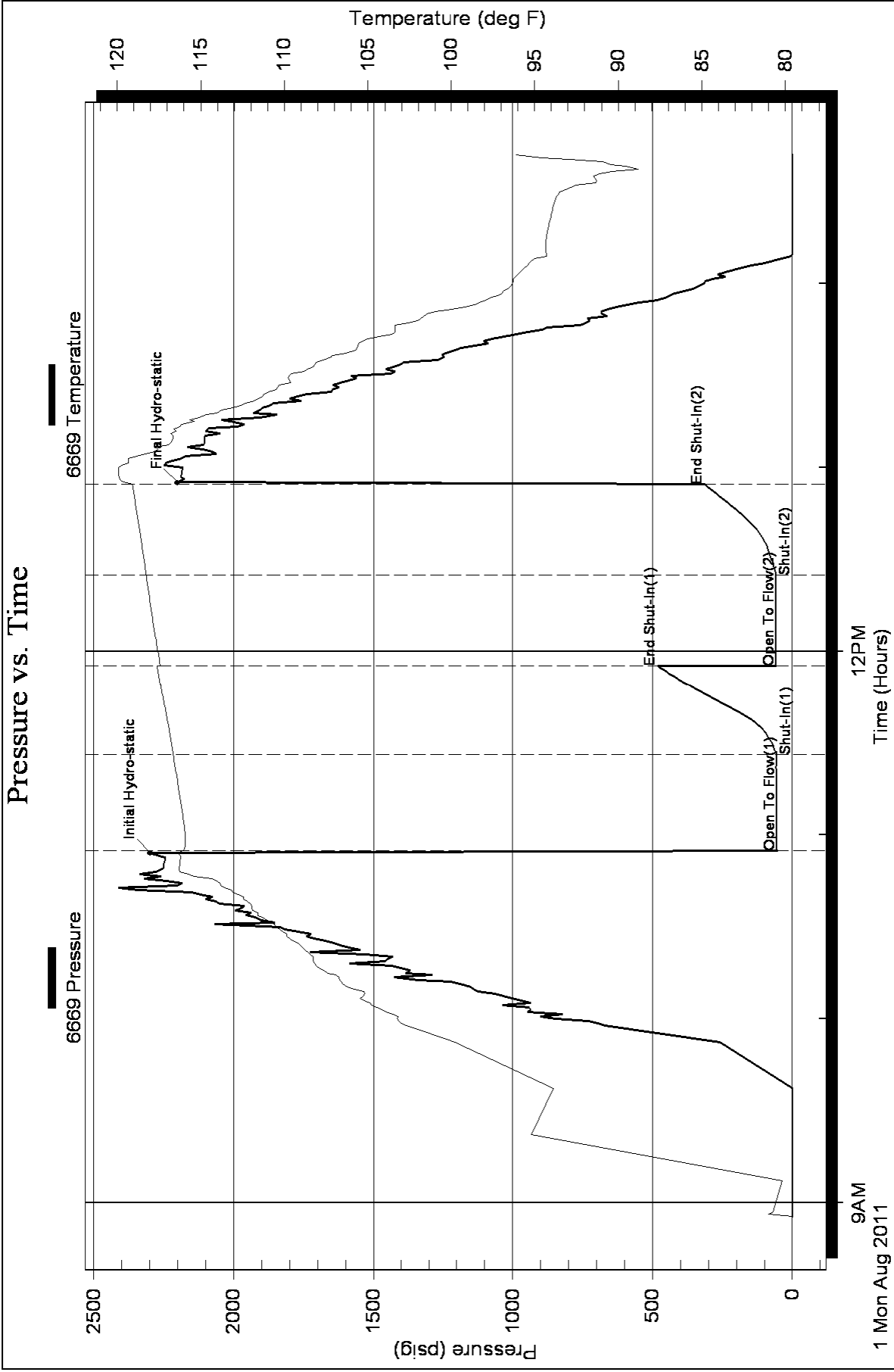
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.
202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

Pope 1-20

20-13-32w Logan Co K

Job Ticket: 43281

DST#: 7

Test Start: 2011.08.02 @ 12:15:15

GENERAL INFORMATION:

Formation: **Cherokee/Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:54:30

Time Test Ended: 18:46:30

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4518.00 ft (KB) To 4608.00 ft (KB) (TVD)

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4608.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8358 Outside

Press @ Run Depth: 73.77 psig @ 4603.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.02

End Date: 2011.08.02

Last Calib.: 2011.08.02

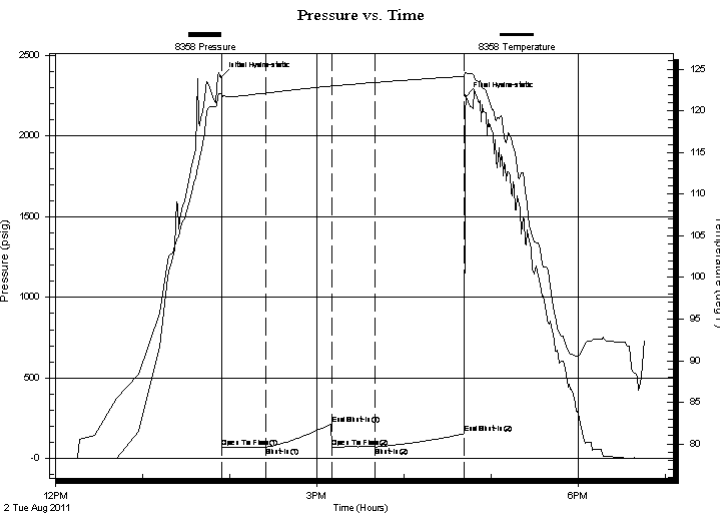
Start Time: 12:15:15

End Time: 18:46:30

Time On Btm: 2011.08.02 @ 13:54:15

Time Off Btm: 2011.08.02 @ 16:42:45

TEST COMMENT: IF-Built to 1"
IS- No Return
FF- No Blow
FF- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.23	122.10	Initial Hydro-static
1	68.83	121.40	Open To Flow (1)
31	72.57	122.16	Shut-In(1)
76	215.46	123.01	End Shut-In(1)
77	72.36	122.97	Open To Flow (2)
106	73.77	123.44	Shut-In(2)
168	154.72	124.16	End Shut-In(2)
169	2247.86	124.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	m	0.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.Inc.

Pope 1-20

202 West Main Street
Salem IL
62881
ATTN: Pat Deenihan

20-13-32w Logan Co K

Job Ticket: 43281 **DST#: 7**
Test Start: 2011.08.02 @ 12:15:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

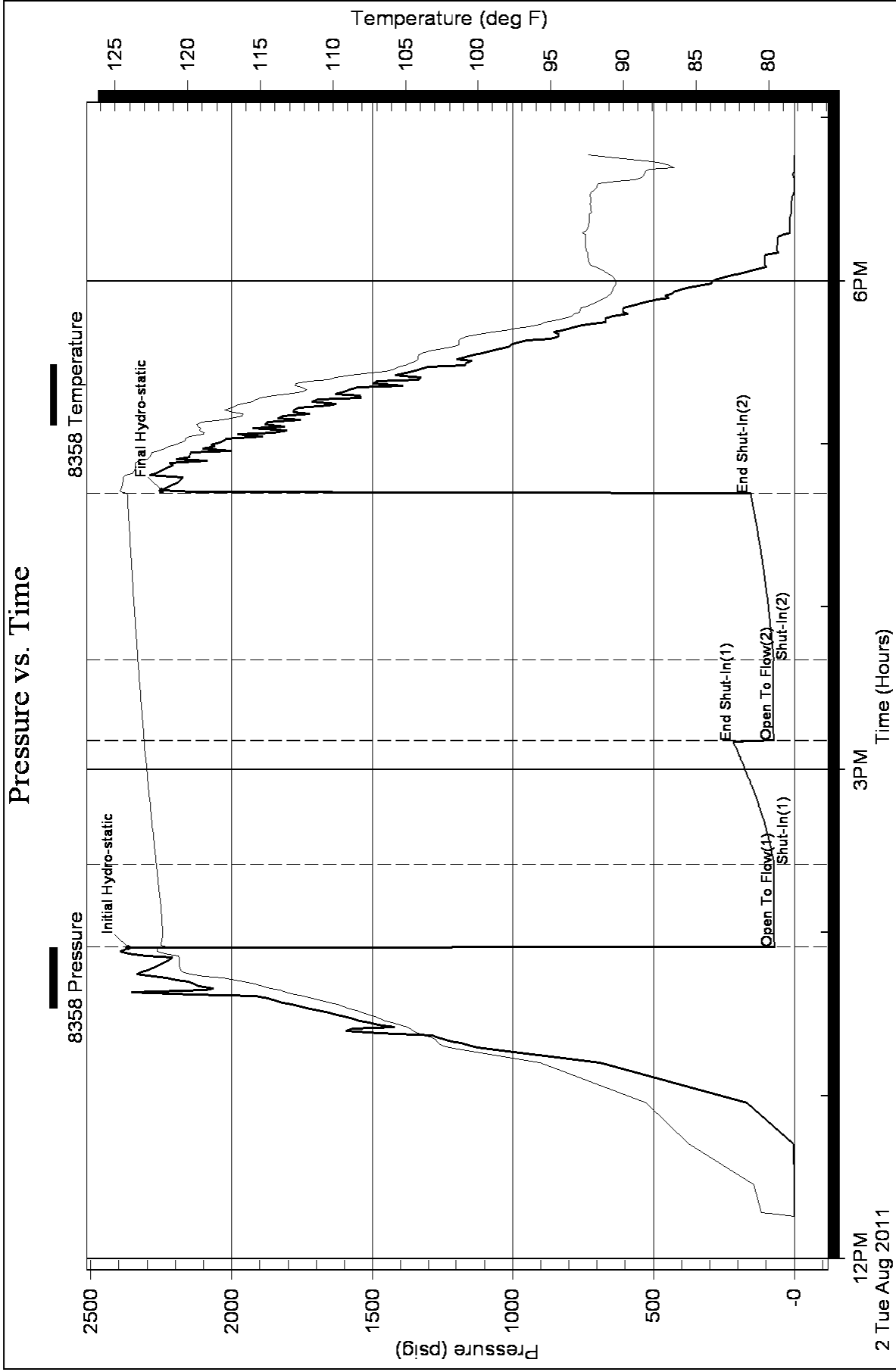
Length ft	Description	Volume bbl
25.00	m	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



PATRICK J. DEENIHAN

Licensed Geologist - No. 234

4802 Spangher Circle

(316) 640-5811

Wichita, KS 67226

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

OPERATOR SHAKESPEARE OIL COMPANY, INC.

LEASE POPE #1-20

FIELD WILDCAT

LOCATION 1250' FNL & 1206' FEL

SEC. 20 TWP. 13 RGE. 32^W

COUNTY LOGAN STATE KANSAS

CONTRACTOR H. D. DRILLING, LLC RIG #2

CONNL. 7-22-11 COMP. 8-04-11

RTD. 4730' LOG TO 4732'

SAMPLES SAVED FROM 3800' TO T.D.

DRILLING TIME KEPT FROM 3800' TO T.D.

SAMPLES OBTAINED FROM 3800' TO T.D.

GEOLOGICAL SUPERVISOR FROM 3600' TO T.D.

FLUID UP 3562' TYPE MUD CHEMICAL

API # 15-109-21021-00-00

FORMATION	LOG		SAMPLE		DEPTH, FEET
	TOP	DATUM	TOP	DEPTH	
BASE ANHYDRITE	2530	(+504)	2530	(+504)	-1
HEEBNER	3972	(-938)	3972	(-938)	+3
LANSING	4008	(-974)	4015	(-981)	+10
MUNCIE CREEK	4167	(-1133)	4167	(-1133)	-3
STARK SHALE	4257	(-1223)	4256	(-1222)	-6
HUSHPOCKNEY	4288	(-1254)	4286	(-1252)	-1
PAWNEE	4452	(-1418)	4451	(-1417)	+8
CHEROKEE SHALE	4533	(-1499)	4532	(-1498)	+10
JOHNSON ZONE	4576	(-1542)	4576	(-1542)	+12
MISSISSIPPIAN	4639	(-1605)	4639	(-1605)	+22

ELEVATION

KB 3034'

DF

CL 3024'

Measurements Are All

From KB,

CASING RECORD

SURFACE 8 5/8" SET @ 224'

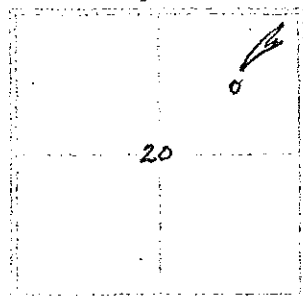
3% CaCl₂-2% GEL

PRODUCTION NOT APPLICABLE

WELL LOG SURVEYS

WEATHERFORD

CND; DI/SP; PE; CALIPAR.
MICRO & SONIC



REFERENCE WELL FOR STR. COMP. COMPARISON

SOCO - BADGER #2-16 SEC: 16-15-32^W
LOGAN Co., KS.

REMARKS AS A RESULT OF THE NEGATIVE DST'S; SAMPLE EXAMINATION; LACK OF ZONE DEVELOPMENT
 & E-LOG EVALUATION IT WAS RECOMMENDED & AGREED UPON BY ALL PARTIES CONCERNED THAT THIS WELL
 BE PLUGGED & ABANDONED. ON 8-03-11.

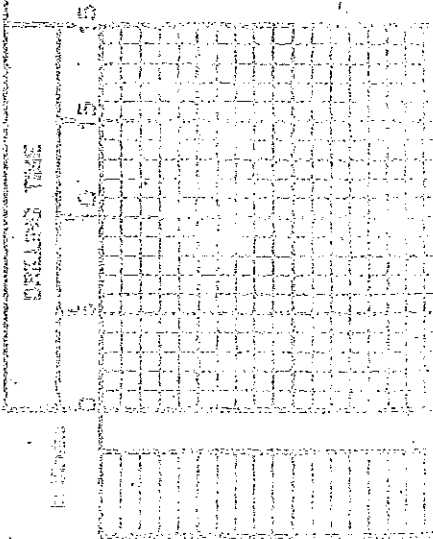
RESPECTFULLY SUBMITTED BY

Patrick J. Deenihan
 PATRICK J. DEENIHAN
 PETROLEUM GEOLOGIST

LEGEND

- Anhydrite
- Sand
- Gravel
- Wash on Unsettable Columns
- Cement
- Gasoline
- Oil
- Water

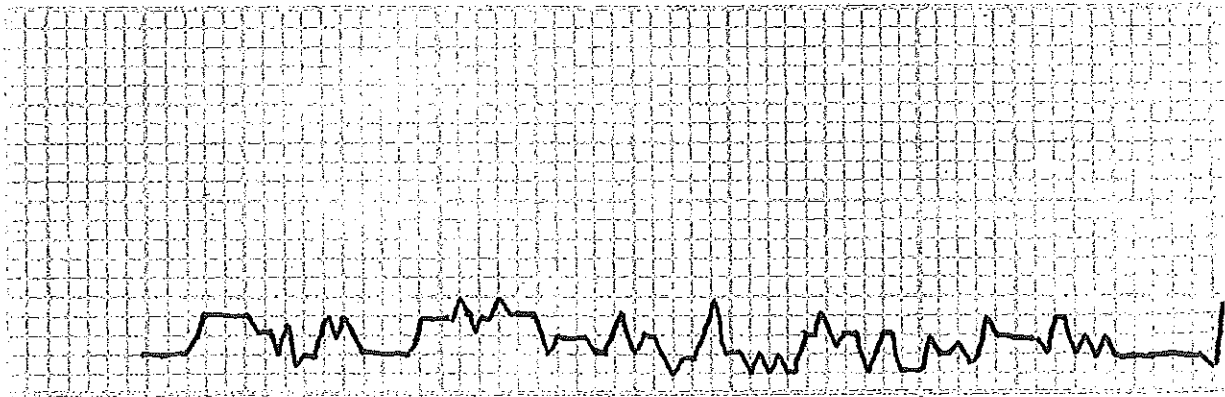
SCALE 1" = 100'



DEPTH	SAMPLE DESCRIPTION	REMARKS
	DAILY PENETRATION @ 7:00 A.M.	
	MIR: 7-22-11	
	7-23-11 3:19	
	7-24-11 1:03	
	7-25-11 3:01	
	7-26-11 3:54	
	7-27-11 3:38	
	7-28-11 4:28	CORRECTED
	7-29-11 4:58	

3800

50



SH, ABUND. VARI-COLOR

LS, DWT. CRM, CHALKY, SIL-FSSL

SH, BLACK GR, BED; ORG. & GRD

LS, CRM-TAN - CHALKY, FSSL TO POOL
F-FUSION - NO. SHOW

LS, -A/A

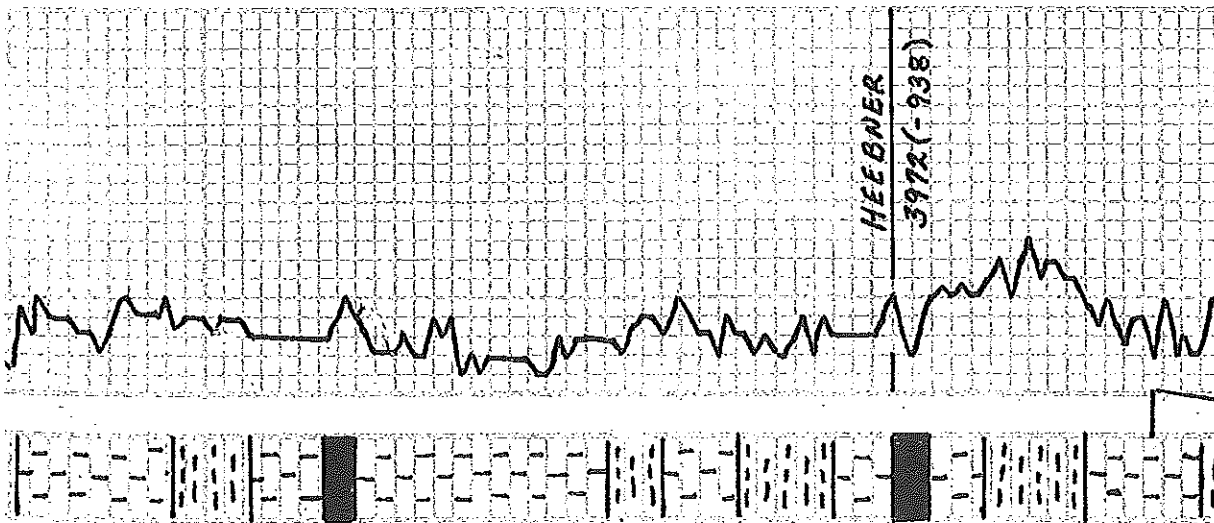
LS, A) A WITH FRESH QUARTZITE GR
OR BUR. CHERT

SH, BLACK CRSS, DK GR

SH, DK GR, GR, ORG, BRN F GRN

LS, DWT. CRM, LT. GR - CHALKY, FUSION
FSSL

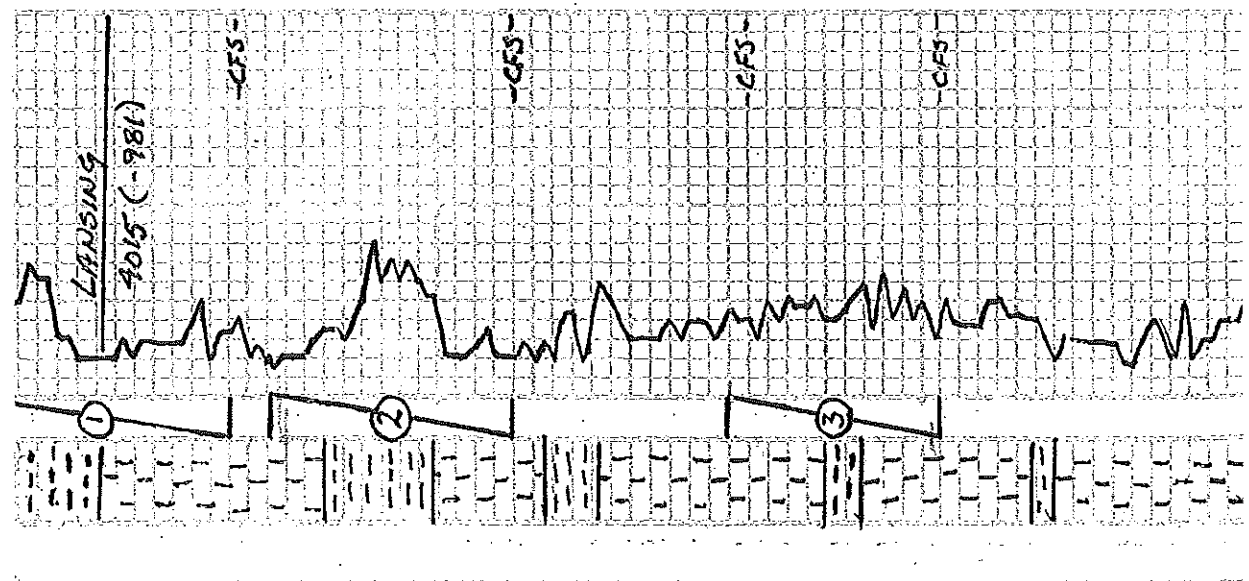
SH, ABUND. VARI-COLOR



3900

4000

<p>AS, WHT-SING-FSSL-COOL-CHALKY P-FD-XLN-NO SHDN</p>	<p>MUD CO. SERVICE MUD. INC. VIS: 51 WT: 9.2 WL: 8.8 CML: 5500 LCM: 2"</p>
<p>LS, A)A</p>	
<p>SH, GRAY & BLACK</p>	
<p>LS, GRN-LT GRN-SING/MOTT-CHALKY F-FD-XLN, TRC OF F-FSSL P</p>	
<p>SH, BLACK CARB</p>	
<p>LS, WHT-CRM-SING-CHALKY-FSSL F-FD-XLN-P-SMP-VERY SMARLE</p>	
<p>LS, A)A V-P-SAMPLES</p>	
<p>SH, FLOOD OF COAR. BRN GUMMY</p>	
<p>SH, GRYS & BRNS</p>	
<p>LS, WHT-CRM-SING-FSSL-FINELY CHALKY</p>	
<p>SH, BLACK CARB</p>	
<p>SH, BLACK, DK GRAY & GRAY</p>	
<p>SH, GRAY, BRN & GRN-TRC OF BLACK</p>	
<p>LS, WHT-CRM-SING-FSSL-COOL IN PT SU-CHALKY SAMPLE-N-SMALL SMALL BLACK DEBRIS IN SU RES-NEXT TO-NO OBER NO. MARK</p>	<p>PIPE STRAP = 31.5' SHORT TO BOARD; 30' CORRECTION MADE HOLE IN DRILL PIPE DEVIATION 3 1/2'</p> <p>DST # 1 3999' - 4028' 15" - 30" - 30" - 60" IF: 808 IN 30 SEC - No BB. FF: 808 IN 1 MIN - No BB. REC: 1054' OF 5W. (100% WTR) 11/18/72 FIB. 1488</p>



SH., VARI-COLOR

ZS., WHIT-RT GRAY-SING-CHALKY-P-F
 FN-RUN-SILL-POOL-SAMPLES V-
 SMALL ASSES-35% POS 4) BRN
 TO BLACK EDGE ST-NO GOOD NO
 FLOOR

* NOTE: 25' OFF HILL AFTER DST #1

ZS., A/A-SAMPLE QUALITY GOOD

SH., ABUND VARI-COLOR

ZS., WHIT-TAN-SING-CHALK FN-RUN
 SHALLOW INTER-RUN B IN FEW
 POS. FISSILE SEAT AT BRN EDGE
 STR. TRC OF LEV-SOME FLOORING
 OIL BEARS W-FRINT DOOR-P-SPTD
 FLOOR (AROUND WHIT FRESH CHERT
 W/NO SHOW)

SH., GRYS, E BRN

ZS., SOME WHITE-SING-FUN-RUN, FESS
 E CHALKY, FINTER-RUN-G-AB
 SHOW

SH., BLACK-DK GRY-GRY E BRN

ZS., WHIT-RT GRAY-SING-FN-RUN-SHALLOW
 INTER-RUN-G-SPLIT IN A FEW POS-F-400
 STAIN SEE ALL-SILL-DOOR-P-FLOOR
 SUB-CHALKY

ZS., LT GRAY-SING-CHALKY-TO CRIPID
 XLN-NO SHOW

SH., BRN, GRAY, GRN

ZS., WH-CRM-SING-CHALKY-P-F-FN-RUN
 NO SHOW

ZS., WHIT CRM LG GRAY-SING-V-F-FESS
 TO MICRO-DOOR TRC OF WHIT-FRESH
 CHERT-NO SHOW

INT: 4000 FHP: 1194
 FFP: 910/1134 FFP: 1143/1194
 ISIP: 1192 FHP: 1194
 CHL: 25000 CHL: 5500 (SYS)
 BHT: 118°

DST #2 4033'-4058'
 30" x 30" x 45" x 90"
 IF: W/ SURF-BUILT TO 2 1/2" NO BB
 FF: BUILT TO 5" NO BB

REC: 248' OF SW (100% WTR)
 IHP: 2055 FHP: 1966
 IFP: 17/74 FFP: 75/105

ISIP: 1168 FHP: 1176
 CHL: 26000 CHL: 5000 (SYS)
 BHT: 117°

DEVIATION - MISRUN

DST #3 4080'-4102'
 15" x 30" x 15" x 30"
 IF: NO BLOW
 FF: FLUSHED TOOL-BLEW-DEAD

REC: 5' MUD
 IHP: 2106 FHP: 2033
 IFP: 15/11 FFP: 24/24
 ISIP: 24 FHP: 42
 CHL: 5000 (SYS) BHT: 111°

VIS: 54 WT: 9.1 WL: 8.8
 CHL: 5000 LCM: 20

TO MICRO-902 TRC OF WHI. FRESA
CHERT - NO SHOW

LS, ADA LACR IN CHERT

LS, WHI-CRM-SING-CHALKY-V.P.
MICRO-902 9- SAMPLE HAS NO
V.S. 9

LS, WHI-CRM-TAN-SING/ACT
CHALKY-TRC OF DENSE MICRO-902
NO SHOW

SH, BLACK CARB

SH, BRN, GRV-ABUA

LS, WHI-SING-CHALKY-P-FN-XLN-
OVERALL V. FINE. V. SL-FOUR STAIN
SEVERAL PCS - FRI-DK BRN TO BLK
NO FLUOR - NO OOR

LS, A/A WITH DENSE SMALL DOL. NO SHOW

SH, BLACK CARB

SH, VAR-COLOR

LS, WHI-CRM-SING-CHALKY-V-FN-XLN
DENSE MICRO-902 TRC OF FN-XLN
FRAGILE-FSLD-NO FRIE ON NO OOR
NO FLUOR - ABUND SWALE A/A

LS, ABUND BONE WHI-CHALKY TO MICRO
XLN-FEW PCS WITH OIL STAIN ON
EARS (WHI) - TRC OF MICRO FSLD
TO MICRO-902 - V. FINE - NO SHOW

SH, BLACK CARB 4 ABUND. VAR-COLOR

SH, VAR-COLOR

LS, WHI-CRM-SING-CHALKY-P-FN-
XLN-NO SHOW

SH, VAR-COLOR

LS, WHI-CRM-AT GRV-SING-CHALKY
MICRO-FSLD-FINE-NO SHOW

SH, BLACK CARB

SH, GRV 3 BRN-ATSL

LS, WHI-SING-CHALKY-P-FN-XLN, NO

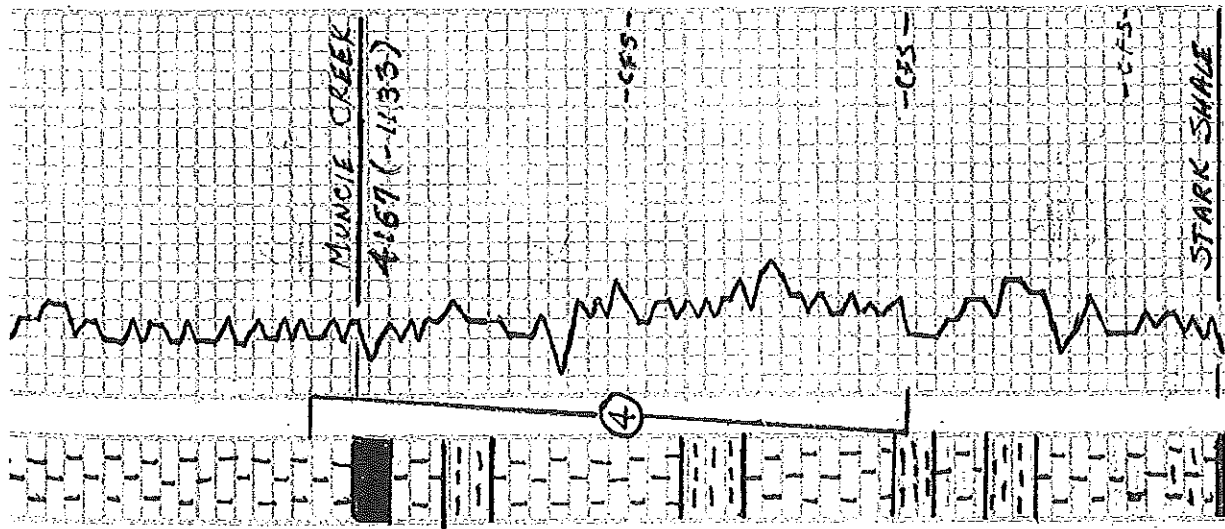
DST # 4 4162' - 4223'
30" x 30" x 30"
IF: NO BLOW
FF: NO BLOW FLUSHED TOOL-NO HEN

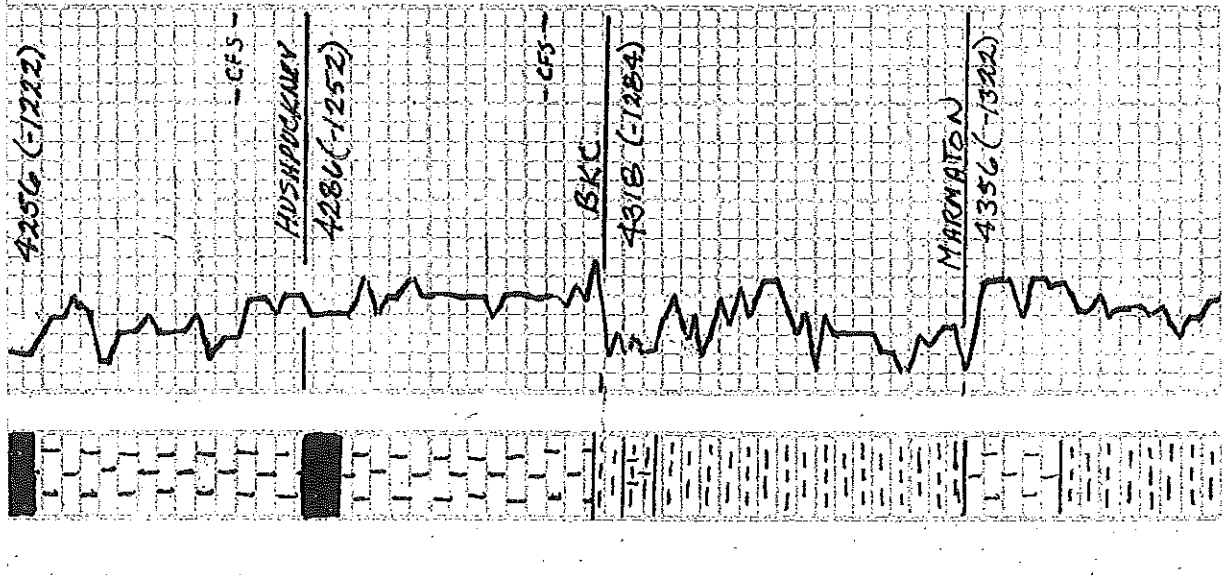
REC: 65 MUD

IHP: 2145 FHP: 2147
IFP: 36/62 FFF: 67/87
ISIP: 1164 FSIP: 1128
CHL: 6300 (OVS) BHT: 114°

VIS: 50 WT: 9.4 WL: 9.6
CHL: 6300 LCM: #

4200





4300

SM, BLACK CARB
 LS, WHT CRM, LT GRAY - FN-XLN, P-FSSLD
 SUB-CHALKY - TRC OF P-DENSE OOL
 P - No SHOW

LS, A) A) W) CRYSTO-XLN TO SU-CHERTY
 No SHOW

SM, BLACK CARB

LS, CRM - LT GRAY - FN-XLN - TRC OF P-
 FSSLD - SUB-CHALKY TO CHALKY
 No SHOW

SM, BLACK CARB
 LS, CRM - LT GRAY - SING - MOIT - AROUND
 OOL F OOL - FN-XLN - SUB-CHALKY
 No SHOW

LS, TAN - LT GRAY - MICRO - TO FN-XLN
 DENSE OOL - No VIS-P - No SHOW
 No SHOW

LS, LT GRAY - TAN - BRN - SING - FN-XLN
 P-FSSLD - No SHOW

SM, AROUND VARI - COLOR

LS, TAN, BRN - FSSLD - P-OOL F OOL
 No SHOW - AROUND VARI - COLOR SM

SM, VARI - COLOR - PRED - CIRC - BRN

SM, (AS) ABOVE - PRED - LT BRN - SMP
 WASHES - BROWN

SM, A) A)

LS, LT BRN - LT GRAY - FSSLD - TO SU-
 CHALKY - SM, BLACK, BRN, GRAY, GRN
 F-ORANGE

LS, GRN - TAN - BRN - SMP - DENSE CRTD
 P-OOL - No SHOW

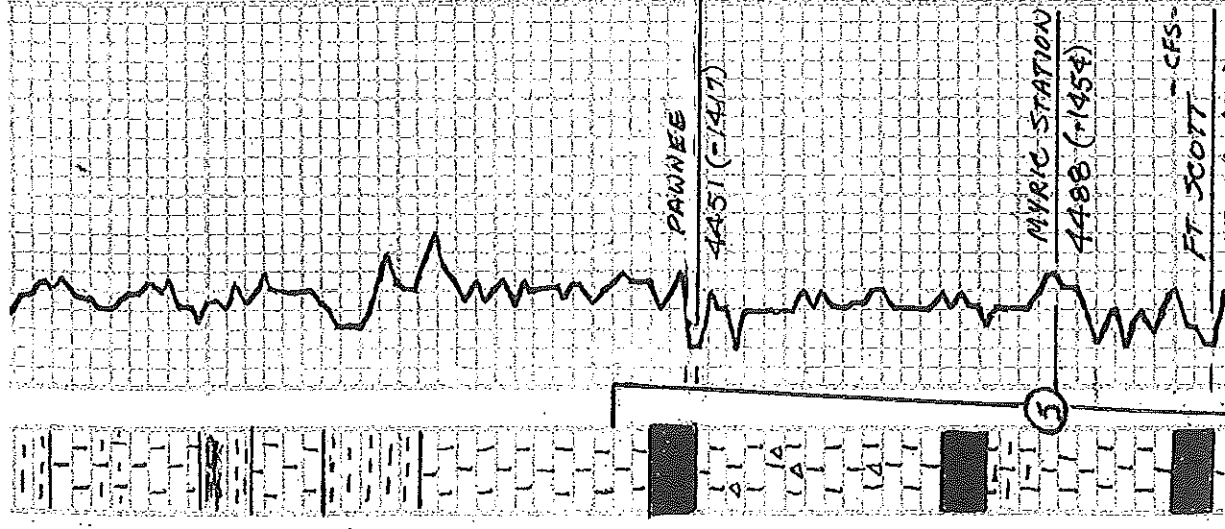
SM, GRY - DK GRY - BRN - MAROON, GRN
 BRN - ORANGE

SM, A) A)

VIS: 56 WT: 9.2 WL: 7.8
 CHL: 5300 LCM: 2^o

4400

4500



PAWNEE

4451 (-1417)

MYRIC STATION

4488 (-1454)

FT SCOTT - CFS

LS, CRIM-TAN-SING - DENSE - FAN-XLN - P-FINE
No. 5780 W

SH, VARI-COLOR

LS, WHIT-CRM-GRY - FN-XLN - FSSE - DENSE
No. 5780 W

SH, GRYS & BRNS

LS, WHIT-CRM - D-GRY - SING - DENSE
FN-XLN - To SUB-CHALKY - P. 00L
No. 5780 W

SM, ABUND VARI-COLOR - PREDOM-GRY
& BRN

LS, CRM-TAN-BRN - SING/MOTT - V-P
FSSE (00L) - WHIT-FAN-XLN & SLI-FSSE
No. 5780 W

LS, A)A, WITH CRM - SING - CRYPTO-XLN
To SUB-CHALKY No. 5780 W

SH, BLACK CARB

LS, WHIT-CRM-SING-FSSE To FAN-XLN -
MCO To BRN - EDGE STN - No. 00OR - MFO
No. 00OR - (WHIT-FRESH CHERT)

LS, A)A) SLI-FSSE CHERT -

LS, WHIT-CRM-TAN-LI-GRY - SING/MOTT -
FN-XLN-FSSE - WHIT-OPALIN CHERT To
CLEAR FRAS - No. 5780 W

LS, TAN-GRY - SING - P-FAN-XLN, SLI -
SHOOL OF CRM - FRESH CHERT - No. 5780 W

SH, BLACK CARB., GRYS

LS, WHIT-CRM-TAN-SING/MOTT - F-FAN-
XLN - ON EDGES - LI-BRN OIL-STN
No. 00OR - No. 5780 W To V-SLI-FRGE
FLOR

SH, BLACK CARB. - ABUND GRYS

LS, CRM-GRY - SING - FN-XLN To BRN

DST # 5 4442' - 4534'
30" x 30" x 30" - 30"
(F: WK SURFACE BLOW - No. B.B.)
FF: No. 6 BLOW

REC: 10' MUD

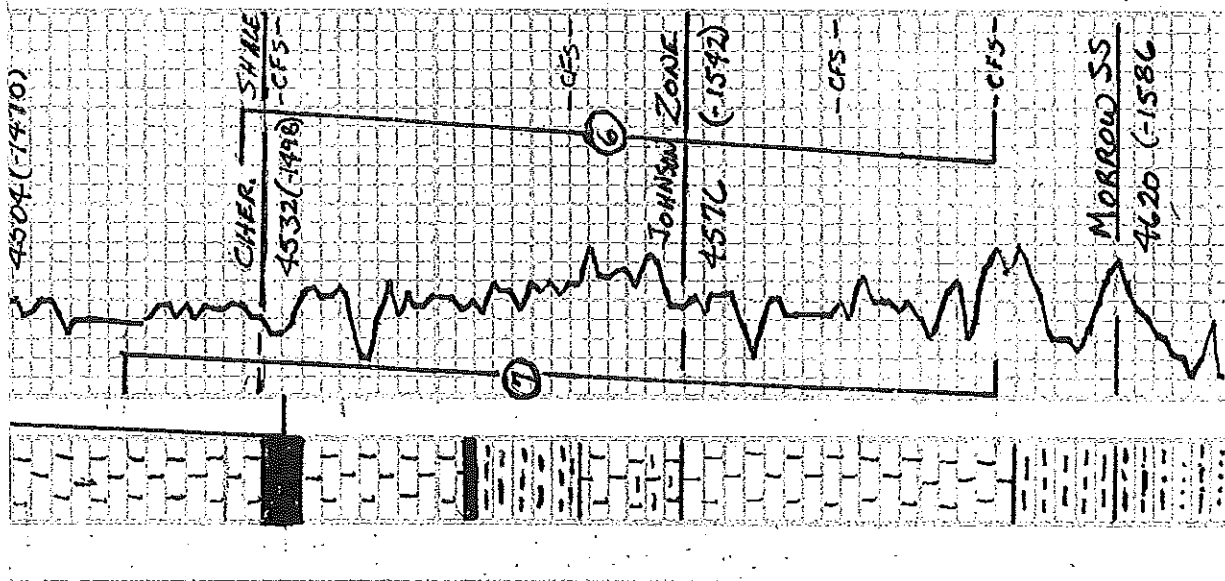
RHP: 2296 FHP: 2200

IFP: 53/56 FFP: 57/58

ISIP: 480 FSIP: 313

CHL: 5300 (STS) OHT: 119

DEV: 3/4°



4600

INTER. UNL. PDB - CRYPTO-XLN
 SU-ESSL - F-SHOW OF LI GRN LGO
 No LGO V-SU-DOB - F OIL SAT
 IN DRY SMP TO TO 1/4 SILE IN
 SRY RES - SUB-CHALKY N/DEATH
 F-SATT FLUOR - COVER SMP DOORS
 TITE

LS, QNT LI GRV - SING - CRYPTO-XLN
 & CHALKY - NO SHOW

SH, BEIGE CARB

LS, LI GRV - SING - FESSL - P-FO-XLN
 DESS - FESSL

LS, LI GRV - FU-XLN-SH-ESSL - V-SHARP
 ANGULAR - VUG 8" (FESSL) - ENERGY
 IN PART - SHALLOO - TO DEEP VUG WITH
 BRNG BUCKLE TO - F-FAIR COLOR - 1/4
 SAT-STA IN DRY SMP - FLUOR - P-DRU
 CHALKY N/7 DEPTH

SH, ABUND. VARI-COLOR

SH, GRAY-BRD GRU

LS-CRN-TAN-GRV-SING-MATT
 FULMAN TO FESSL-SU-CAL-SU-ESSL
 STA

LS, CRN/DT GRV-TO GRV-SING/MATT
 FESSL TO 200' RES-OMI-BO - F-SHLEO
 IN VERY RES-RES-G-BOOR - F-SHLEO
 SAT - (LT TO DK GRN) EN SEV. FOS
 SUB-CHALKY - SPITY FLUOR

LS, GRV-SING - FESSL -

SH, ABUND-VARI-COLOR

SS, & SH-SS: GARCINIS CLUSTERS -
 TO WH-CMCKTK-SH, ABUND KAR - CARB

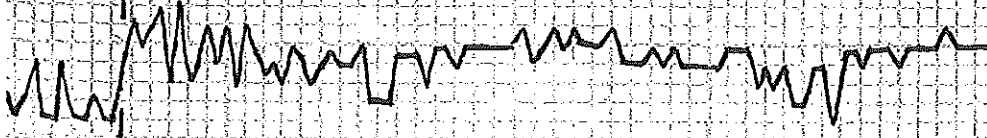
SS, MIN. PIRAB - SH-GRV - P. 222 - HMM

VIS: 65 WT: 9.3 WK: 7.8
 CHL: 5500 LCM: 20

DST #6 4528' - 4608'
 MIS RUN - PACKER FAILURE

DST #7 4518' - 4608'
 30" - 45" - 30" - 60"
 IFF: BUILT TO 1"
 FFP: No BLOW
 REC: 25' MUD
 IMP: 2366 FHP: 2247
 IFF: 68/72 FFP: 72/73
 ISIP: 215 FSIP: 154
 CHL: 5500 (SWS) BHT: 1240

MISSISSIPPIAN
4639 (-1605)



RTD = 4700'
REACHED @ 10:15 AM
ON 8-03-11

4700

SS, LIME CLEAR - SUB-ANG TO RD., CALC. MINS
TO QUANTITATIVE W/DREATH - NO SHOW
(EN - SAN - 5 PSYRIMIC W/DREATH)

SS, A/A 2) ABUND. FREE OTS - TRC. OF
ORANGE FRESH - TRANSLUCENT CARRI
NO SHOW

LS, WHIT-COM - FIN-CLN TO CHALKY - STILL
CARRYING ORG. CHERT

LS, BONE WHITE - CHALKY - TO GRM
FN - TO MOO-KLN - NO SHOW

LS, A/A

LS, WHIT-AT-TAN - CHALKY - FN-KLN
ABUND. GRU-SHALL

LS, WHIT-TAN & LT GRAY - FN-KLN - SU-
FSSA - ABUND. SH, NO SHOW

LS, COM. THIN GRAY - SING - FN-KLN TO
SUB-CHALKY - NO SHOW

50

50



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887
 Fax: (785) 483-5566

INVOICE

Invoice Number: 127998
 Invoice Date: Jul 22, 2011
 Page: 1

Bill To:
 Shakespeare Oil Co., Inc.
 202 West Main St.
 Salem, IL 62881

Federal Tax I.D.#: 20-5975804

File

Customer ID	Well Name#-or-Customer P.O.	Payment Terms
Shak	Pope #1-20	Net 30 Days
Job Location	Camp Location	Service Date
KS1-01	Oakley	Jul 22, 2011
		Due Date
		8/21/11

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	16.25	2,681.25
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
174.00	SER	Handling	2.25	391.50
18.00	SER	Mileage	19.14	344.52
1.00	SER	Surface	1,125.00	1,125.00
36.00	SER	Heavy Vehicle Mileage	7.00	252.00
1.00	SER	Manifold Head Rental	200.00	200.00
36.00	SER	Light Vehicle Mileage	4.00	144.00
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Jerry Yates		
1.00	OPER ASSIST	Earl Rebarchek		

INT

RECEIVED
 AUG 1 10 51 AM '11
 LEASORO

Subtotal	5,551.22
Sales Tax	225.88
Total Invoice Amount	5,777.10
Payment/Credit Applied	
TOTAL	5,777.10

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ 1110.25

ONLY IF PAID ON OR BEFORE
Aug 16, 2011

DW

ALLIED CEMENTING CO., LLC. 043457

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley

DATE <u>7-22-11</u>	SEC. <u>20</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Pope</u>	WELL # <u>1-20</u>	LOCATION <u>Oakley 135 3w 15</u>				COUNTY <u>Logan</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR H D Drilling #2 OWNER same

TYPE OF JOB Syr Face

HOLE SIZE 12 1/4 T.D. 222'

CASING SIZE 8 5/8 DEPTH 227'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13.5 BBL

CEMENT

AMOUNT ORDERED 165 sks com

30cc 29gel

COMMON 165 sks @ 16.25 2681.25

POZMIX @

GEL 3 sks @ 21.25 63.75

CHLORIDE 6 sks @ 58.20 349.20

ASC @

HANDLING 174 sks @ 2.25 391.50

MILEAGE 118.5 km @ 344.52

TOTAL 3830.22

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

427-281 HELPER Jerry

BULK TRUCK DRIVER Earl

347

BULK TRUCK DRIVER

#

REMARKS:

cement did circulate

Thank you

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 18 miles @ 2.00 352.00

MANIFOLD head @ 200.00

Light vehicle @ 4.00 144.00

@

CHARGE TO: Shakespeare TOTAL 1721.00

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

To Allied Cementing Co., 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.

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Doug Roberts

SIGNATURE Doug Roberts



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887
 Fax: (785) 483-5566

INVOICE

Invoice Number: 128138
 Invoice Date: Aug 4, 2011
 Page: 1

Bill To:
 Shakespeare Oil Co., Inc.
 202 West Main St.
 Salem, IL 62881

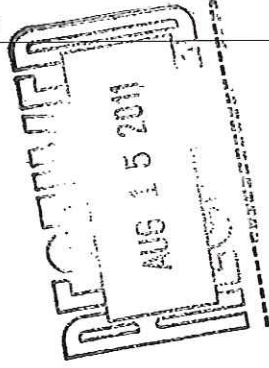
Federal Tax I.D.#: 20-5975804

File

Customer ID	Well Name# or Customer P.O.	Payment Terms
Shak	Pope #1-20	Net 30 Days
Job Location	Camp Location	Service Date
KS1-03	Oakley	Aug 4, 2011
		Due Date
		9/3/11

Quantity	Item	Description	Unit Price	Amount
123.00	MAT	Class A Common	16.25	1,998.75
82.00	MAT	Pozmix	8.50	697.00
7.00	MAT	Gel	21.25	148.75
52.00	MAT	Flo Seal	2.70	140.40
214.00	SER	Handling	2.25	481.50
18.00	SER	Mileage	23.54	423.72
1.00	SER	Plug To Abandon	1,250.00	1,250.00
36.00	SER	Heavy Vehicle Mileage	7.00	252.00
36.00	SER	Light Vehicle Mileage	4.00	144.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Ethan Glassman		

INT



Subtotal	5,536.12
Sales Tax	404.14
Total Invoice Amount	5,940.26
Payment/Credit Applied	
TOTAL	5,940.26

DW

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ 1107.22

ONLY IF PAID ON OR BEFORE
Aug 29, 2011

ALLIED CEMENTING CO., LLC. 043376

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67605

SERVICE POINT:

Dakota

DATE	8-11	SEC	20	TWP	13	RANGE	22	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE	PIPE	WELL #	1-20	LOCATION	Dakota 13S, 341S					County	STATE
OLD OR NEW	(Circle one)				1E Smb					Logan	Ks

CONTRACTOR HO #2 OWNER Same

TYPE OF JOB PPA

HOLE SIZE 7 1/8 T.D. 4930'

CASING SIZE 8 1/8 DEPTH 290'

TUBING SIZE 4 1/2" DEPTH 2520'

DRILL PIPE 4 1/2" DEPTH 2520'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 222661

EQUIPMENT

PUMP TRUCK CEMENTER haren

491 HELPER haren

BULK TRUCK DRIVER Ethan

347

BULK TRUCK DRIVER _____

REMARKS:

Mix 2520' at 2520'

Mix 1005' at 1474'

Mix 405' at 275'

Mix 105' in top of hole

Mix 305' in rest hole

Thank you

CHARGE TO: Shakespeare

STREET _____

CITY _____ STATE _____ ZIP _____

CEMENT

AMOUNT ORDERED 205 sks 6440 bags

1/4 of flo seat

COMMON 123 sks @ 6.40 1778.75

POZMIX 82.5 sks @ 8.30 682.00

GEL 7.5 sks @ 21.85 163.75

CHLORIDE _____

ASC _____

Flo seat 52 # @ 2.75 140.80

HANDLING 214 sks @ 2.29 481.50

MILEAGE 11.25 @ 22.00 247.50

TOTAL 3822.22

SERVICE

DEPTH OF JOB 2520'

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE 1255.00

MILEAGE 1072 @ 7.00 7504.00

MANIFOLD 400 149.00

light vehicle mileage

TOTAL 6286.00

PLUG & FLOAT EQUIPMENT

TOTAL _____

SALES TAX (if Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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PRINTED NAME Days Roberts

SIGNATURE Days Roberts

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 17, 2011

Donald R. Williams
Shakespeare Oil Co., Inc.
202 W MAIN ST
SALEM, IL 62881-1519

Re: ACO1
API 15-109-21021-00-00
Pope 1-20
NE/4 Sec.20-13S-32W
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Donald R. Williams