



KANSAS CORPORATION COMMISSION 1117056
OIL & GAS CONSERVATION DIVISION

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 # _____

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: _____



1117056

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 Bbls.	Gas Mcf	Water Bbls.	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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 056242

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley
7-15-12

DATE <u>7-17-12</u>	SEC. <u>7</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30 Am</u>	JOB FINISH <u>3:30 Am</u>
EASE <u>Rail Road</u>		WELL # <u>3</u>		LOCATION <u>Oakley 16 S - 2 E - 35 - 1 E - 3 into</u>		COUNTY <u>Lincoln</u>	STATE <u>Ks.</u>
OLD OR NEW (Circle one)							

CONTRACTOR WLD-2
 TYPE OF JOB PT#
 HOLE SIZE 7 7/8 T.D. 4750
 CASING SIZE DEPTH
 TUBING SIZE DEPTH
 RILL PIPE 4 1/2 DEPTH 2380
 CEMENT DEPTH
 RES. MAX MINIMUM
 LEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 33,91

OWNER Samie
 CEMENT
 AMOUNT ORDERED 220 SKS 6 1/2 4 3/8 Gel
1/4" Flo Seal

COMMON	<u>132 SKS</u>	@ <u>\$11.25</u>	<u>\$1485.00</u>
POZMIX	<u>88 SKS</u>	@ <u>\$8.50</u>	<u>\$748.00</u>
GEL	<u>8 SKS</u>	@ <u>\$21.25</u>	<u>\$170.00</u>
CHLORIDE		@	
ASC		@	
<u>Flo Seal</u>	<u>55 #</u>	@ <u>2.70</u>	<u>\$148.50</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>X</u>	@ <u>2.10</u>	
MILEAGE	<u>X 50 X</u>	@ <u>2.25</u>	

EQUIPMENT

TRUCK CEMENTER Pioneer Resource
423-281 HELPER Tyler Flipse
 TRUCK DRIVER Adam Holcomb
 TRUCK DRIVER

REMARKS:

mix 25 SKS Cement 2380'
mix 100 SKS Cement 1415'
mix 40 SKS Cement 270'
mix 10 SKS Cement 42'
Plug Rat Hole 30 SKS Cement
Plug Manua Hole 15 SKS Cement
Thank You

CHARGE TO: Pioneer Resource
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL _____

SERVICE

DEPTH OF JOB	<u>2380'</u>		
PUMP TRUCK CHARGE			<u>\$1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>22</u>	@ <u>\$7.22</u>	<u>\$154.84</u>
MANIFOLD		@	
<u>LUM. Charge</u>		@ <u>\$11.20</u>	<u>\$22.40</u>
		@	

TOTAL \$1492.22

PLUG & FLOAT EQUIPMENT

<u>1 Top Wooded Plug</u>	@	<u>\$72.00</u>
	@	
	@	
	@	
	@	

TOTAL \$72.00

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE [Signature]

ALLIED OIL & GAS SERVICES, LLC 056702

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley

DATE <u>7-9-12</u>	SEC. <u>7</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30pm</u>	JOB FINISH <u>5:00pm</u>
EASE <u>Rail Road</u>		WELL # <u>3</u>		LOCATION <u>Oakley 205 2E 2N</u>		COUNTY <u>Gore</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)				<u>3rd Sinto</u>			

CONTRACTOR W + W 2
 TYPE OF JOB Surface
 HOLE SIZE 12 1/2 T.D. 220'
 CASING SIZE 8 5/8 DEPTH 215'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 COLLAR DEPTH
 RES. MAX MINIMUM
 WEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 12,93 bbl

OWNER Scario
CEMENT
 AMOUNT ORDERED 160 SKS ccm
3% cc 2 1/2 gal

COMMON	<u>160 SKS</u>	@	<u>16.25</u>	<u>2600.00</u>
POZMIX		@		
GEL	<u>3 SKS</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6 SKS</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>122.03 cu/ft</u>	@	<u>2.10</u>	<u>2562.63</u>
MILEAGE	<u>235 ton/mile</u>		<u>28.20</u>	<u>6627.89</u>
				TOTAL <u>38421.16</u>

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
431 HELPER Dane
 ULK TRUCK
404 DRIVER Brandon
 ULK TRUCK
 DRIVER

REMARKS:

Cement did circulate
Thank you

CHARGE TO: Pioneer Resources
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>215'</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>25 miles</u>	@	<u>2.00</u> <u>125.00</u>
MANIFOLD	<u>Head</u>	@	<u>200.00</u>
	<u>light vehicle</u>	@	<u>4.00</u> <u>100.00</u>
		@	
TOTAL <u>1600.00</u>			

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL _____		

to: Allied Oil & Gas Services, LLC.
 you are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Brandon King
 SIGNATURE Brandon King

ALLIED OIL & GAS SERVICES, LLC 056242

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley
7-15-12

DATE <u>7-17-12</u>	SEC. <u>7</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30 Am</u>	JOB FINISH <u>3:30 Am</u>
EASE <u>Rail Road</u>		WELL # <u>3</u>		LOCATION <u>Oakley 16 S - 2 E - 35 - 1 E - 3 into</u>		COUNTY <u>Lincoln</u>	STATE <u>Ks.</u>
OLD OR NEW (Circle one)							

CONTRACTOR WLD-2
 TYPE OF JOB PTP
 HOLE SIZE 7 7/8 T.D. 4750
 CASING SIZE DEPTH
 TUBING SIZE DEPTH
 RILL PIPE 4 1/2 DEPTH 2380
 CEMENT DEPTH
 RES. MAX MINIMUM
 LEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 33,91

OWNER Samie
 CEMENT
 AMOUNT ORDERED 220 SKS 6 1/2 4 3/8 Gel
1/4" Floseal

COMMON	<u>132 SKS</u>	@ <u>\$11.25</u>	<u>\$1485.00</u>
POZMIX	<u>88 SKS</u>	@ <u>\$8.50</u>	<u>\$748.00</u>
GEL	<u>8 SKS</u>	@ <u>\$21.25</u>	<u>\$170.00</u>
CHLORIDE		@	
ASC		@	
<u>Floseal</u>	<u>55 #</u>	@ <u>2.70</u>	<u>\$148.50</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>X</u>	@ <u>2.10</u>	
MILEAGE	<u>X 50 X</u>	@ <u>2.25</u>	

EQUIPMENT

TRUCK CEMENTER Pioneer Resource
423-281 HELPER Tyler Flipse
 TRUCK DRIVER Adam Holcomb
 TRUCK DRIVER

REMARKS:

mix 25 SKS Cement 2380'
mix 100 SKS Cement 1415'
mix 40 SKS Cement 270'
mix 10 SKS Cement 42'
Plug Rot Hole 30 SKS Cement
Plug Manue Hole 15 SKS Cement
Thank You

TOTAL _____

SERVICE

DEPTH OF JOB	<u>2380'</u>		
PUMP TRUCK CHARGE			<u>\$1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>22</u>	@ <u>\$7.22</u>	<u>\$154.84</u>
MANIFOLD		@	
<u>LUM. Charge</u>		@ <u>\$11.20</u>	<u>\$246.40</u>
		@	

TOTAL \$1492.22

PLUG & FLOAT EQUIPMENT

<u>1 Top Wooded Plug</u>	@	<u>\$72.00</u>
	@	
	@	
	@	
	@	

TOTAL \$72.00

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE [Signature]



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Resources

7-14s-31w Gove, KS

80 Windmill Dr.
Phillipsburg, KS 67661

Rail Road #3

Job Ticket: 48358

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2012.07.12 @ 22:07:06

GENERAL INFORMATION:

Formation: **Lansing B**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 23:48:06

Time Test Ended: 04:20:36

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

Interval: 3954.00 ft (KB) To 3991.00 ft (KB) (TVD)

Total Depth: 3991.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2896.00 ft (KB)

2891.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 26.89 psig @ 3955.00 ft (KB)

Start Date: 2012.07.12

End Date:

2012.07.13

Capacity:

8000.00 psig

Start Time: 22:07:11

End Time:

04:20:35

Last Calib.:

2012.07.13

Time On Btm:

2012.07.12 @ 23:46:51

Time Off Btm:

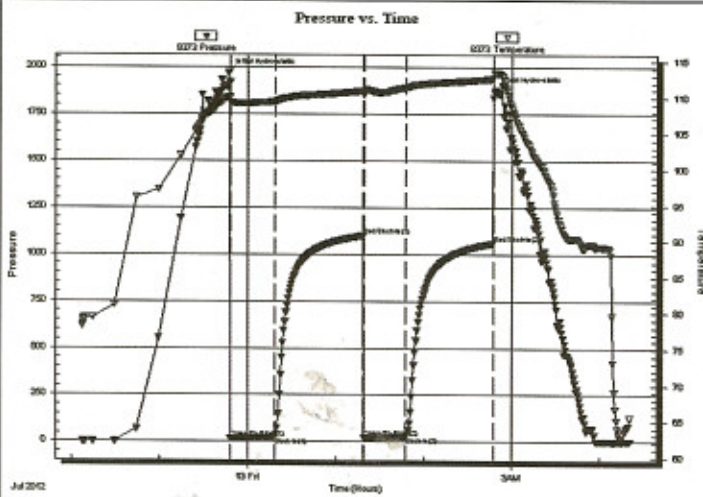
2012.07.13 @ 02:48:36

TEST COMMENT: IF: Weak blow died in 7 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.56	110.06	Initial Hydro-static
2	18.65	109.35	Open To Flow (1)
32	22.08	109.43	Shut-In(1)
92	1098.85	110.91	End Shut-In(1)
92	24.08	110.38	Open To Flow (2)
121	26.89	111.41	Shut-In(2)
181	1058.89	112.62	End Shut-In(2)
182	1876.57	113.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pioneer Resources
80 Windmill Dr.
Phillipsburg, KS 67661

ATTN: Charlie Sturdavant

7-14s-31w Gove, KS
Rail Road #3
Job Ticket: 48359 **DST#: 2**
Test Start: 2012.07.13 @ 14:25:18

GENERAL INFORMATION:

Formation: **Lansing D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:05:48
Time Test Ended: 22:16:03

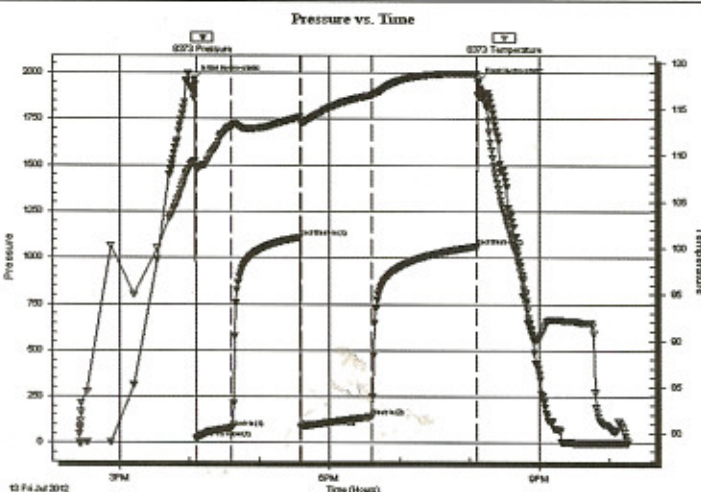
Interval: **4004.00 ft (KB) To 4027.00 ft (KB) (TVD)**
Total Depth: 4050.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Reset)
Tester: Brandon Turley
Unit No: 60

Reference Elevations: 2896.00 ft (KB)
2891.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8373 **Inside**
Press@RunDepth: 141.75 psig @ 4005.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.13 End Date: 2012.07.13 Last Calib.: 2012.07.13
Start Time: 14:25:23 End Time: 22:16:02 Time On Btm: 2012.07.13 @ 16:04:18
Time Off Btm: 2012.07.13 @ 20:07:33

TEST COMMENT: IF: BOB in 17 min.
IS: Surface blow built to a 1/2 died in 20 min.
FF: BOB in 18 min.
FS: Surface blow built to 1/4 died in 35 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.04	109.37	Initial Hydro-static
2	22.08	108.51	Open To Flow (1)
32	81.80	113.11	Shut-In(1)
91	1109.85	114.14	End Shut-In(1)
92	86.22	113.48	Open To Flow (2)
152	141.75	116.49	Shut-In(2)
242	1061.23	118.84	End Shut-In(2)
244	1955.55	116.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 70%w 30%m	1.49
124.00	go 30%g 70%o	1.74
0.00	372 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources

7-14s-31w Gove, KS

80 Windmill Dr.
Phillipsburg, KS 67661

Rail Road #3

Job Ticket: 48360

DST#: 3

ATTN: Charlie Sturdavant

Test Start: 2012.07.14 @ 09:57:36

GENERAL INFORMATION:

Formation: **Lansing H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:39:06

Time Test Ended: 16:22:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **4098.00 ft (KB) To 4150.00 ft (KB) (TVD)**

Total Depth: 4150.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2896.00 ft (KB)

2891.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8373**

Inside

Press@RunDepth: 45.59 psig @ 4099.00 ft (KB)

Start Date: 2012.07.14

End Date:

2012.07.14

Capacity: 8000.00 psig

Last Calib.:

2012.07.14

Start Time: 09:57:41

End Time:

16:22:20

Time On Btm: 2012.07.14 @ 11:37:51

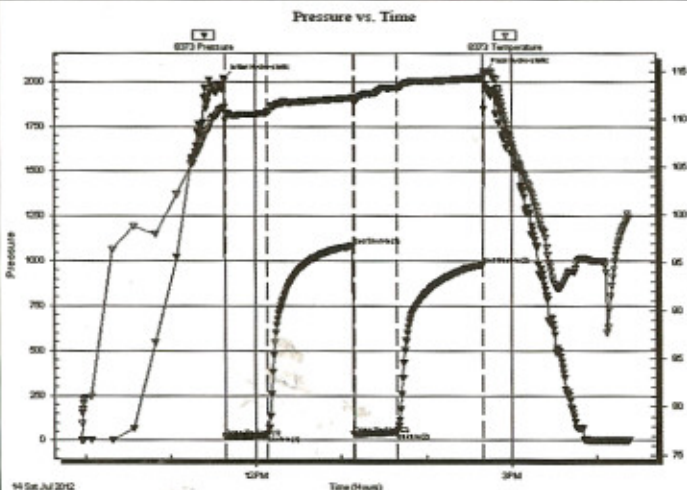
Time Off Btm: 2012.07.14 @ 14:40:36

TEST COMMENT: IF: Weak blow died in 9 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2018.78	111.24	Initial Hydro-static
2	18.50	110.64	Open To Flow (1)
31	31.44	110.76	Shut-In(1)
91	1085.95	112.24	End Shut-In(1)
91	33.92	111.75	Open To Flow (2)
121	45.59	113.30	Shut-In(2)
182	979.22	114.35	End Shut-In(2)
183	2057.58	114.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocm 5%o 95%m	0.30

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Resources
80 Windmill Dr.
Phillipsburg, KS 67661
ATTN: Charlie Sturdavant

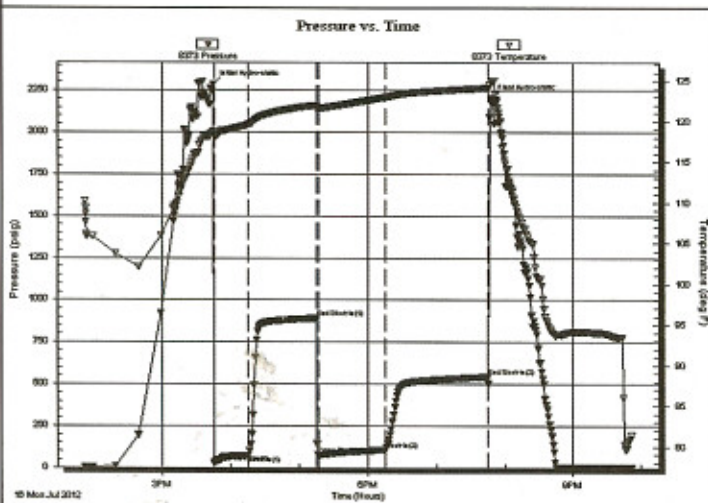
7-14s-31w Gove, KS
Rail Road #3
Job Ticket: 48399 **DST#: 5**
Test Start: 2012.07.16 @ 13:52:05

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 15:45:15
Tester: Mike Roberts
Time Test Ended: 21:51:44
Unit No: 48
Interval: **4534.00 ft (KB) To 4581.00 ft (KB) (TVD)**
Reference Elevations: 2896.00 ft (KB)
Total Depth: 4581.00 ft (KB) (TVD)
2891.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 5.00 ft

Serial #: 8373 Inside
Press@RunDepth: 108.48 psig @ 4535.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.16 End Date: 2012.07.16 Last Calib.: 2012.07.16
Start Time: 13:52:05 End Time: 21:51:44 Time On Btm: 2012.07.16 @ 15:44:45
Time Off Btm: 2012.07.16 @ 19:47:44

TEST COMMENT: IF:BOB in 26 min.
IS:Return blow built to weak surface blow and died in 7 min.
FF:BOB in 15 min.
FS:Retlow built to weak surface blow and died in 8 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2285.41	118.80	Initial Hydro-static
1	26.04	118.17	Open To Flow (1)
31	72.83	119.63	Shut-In(1)
91	892.24	122.03	End Shut-In(1)
93	76.92	121.66	Open To Flow (2)
151	108.48	123.00	Shut-In(2)
241	544.11	124.18	End Shut-In(2)
243	2206.42	125.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	om 50%o 50%m	0.30
124.00	ocm 40%o 60%m	1.18
62.00	free oil 100%o	0.87
0.00	GP= 372	0.00

* Recovery from multiple tests

Gas Rates

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

Charlie Sturdavant Consulting

WELL COMPARISON SHEET

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Pioneer Resources #3 Railroad 2240' FSL & 1690' FEL Sec. 7 T14S R31W					Pioneer Resources #2 Railroad 1538' FSL & 1594' FEL Sec. 7 T14S R31W				Pioneer Resources #1 Railroad 1365' FSL & 581' FWL Sec. 7 T14S R31W			
2896 KB					2853 KB		Structural Relationship		2633 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	2365	531	2365	531	2323	530	1	1	2305	528	3	3
Topeka	3672	-776	3666	-772	3630	-777	1	5	3610	-777	1	5
Heebner	3695	999	3692	-996	3652	-999	0	3	3637	-1004	5	8
Toronto	3915	-1019	3913	-1017	3872	-1019	0	2	3856	-1023	4	6
Lansing	3934	-1036	3931	-1035	3891	-1036	0	3	3876	-1043	5	8
Muncie Creek	4092	-1196	4088	-1192	4048	-1195	-1	3	4036	-1203	7	11
Stark Shale	4160	-1264	4179	-1263	4133	-1260	-4	-3	4124	-1291	7	8
Base KC	4249	-1353	4249	-1353	4204	-1351	-2	-2	4194	-1361	8	8
Pawnee	4381	-1465	4380	-1484	4333	-1480	-5	-4	4332	-1499	14	15
Cherokee	4470	-1574	4468	-1572	4419	-1566	-6	-6	4363	-1550	-24	-22
Johnson	4512	-1616	4513	-1617	4462	-1609	-7	-8	4460	-1627	11	10
Morrow Shale	4541	-1645	4541	-1645	4485	-1632	-13	-13	4498	-1665	20	20
Morrow Sand	4570	-1674	4566	-1672	4506	-1653	-21	-19	4492	-1659	-15	-13
Mississippian	4580	-1664	4580	-1664	4532	-1679	-5	-5	4544	-1711	27	27
Total Depth	4750	-1854	4750	-1854	4571	-1718	-136	-136	4700	-1867	13	13

33575

Daily Drilling Report

Charlie Sturdavant Consulting

DAILY DRILLING REPORT

Company: Charlie Sturdavant Consulting
920 12th Street
Golden, CO 80401

Well: Railroad # 3
Location: 2240' FNL & 1690' FEL
Sec. 7 T14S R31W
Gove County, KS

Pioneer Resources Cell: 785-543-7527
Rodger Wells H: 785-543-5556

Wellsite Geologist: Charlie Sturdavant
Cell: (303) 907-2295
Office: (303) 384-9481

Elevation: 2896' KB 2891' GL
Field: Wildcat
API No.: 15-063-22013-00-00
Surface Casing: 8 5/8" set @ 220' KB

Drilling Contractor: WW Drilling Rig #2 785-259-4388 Tool Pusher: Lonnie Lang, cell: 785-259-3864

DATE	7:00 AM DEPTH	REMARKS
7/9/2012	0 ft.	Moving onto location. Drill to 220' and set 5 joints of 23# 8-5/8" csg. W/ 160 sx of common, 3% cc, 2% gell. Plug down at 1700 hrs.
7/10/2012	1065 ft.	Drilled plug @ 0100 hrs. Drilling ahead.
7/11/2012	2975 ft.	Drilling ahead.
7/12/2012	3720 ft.	Drilling ahead. Geologist on location @ 0200 hrs.
7/13/2012	3991 ft.	Circ. to clean hole, commenced drilling @ 0723. DST #1: 3954-3991', rec. 5' mud. SIP: 1098-1058#. DST #2: 4004-4027', rec. 372' gip, 124' go (70% oil), 186' mcw (70% water), SIP: 1109-1061#.
7/14/2012	4150 ft.	CFS. Prep to run DST # 3, 4098-4150', rec. 60' ocm (5% oil), SIP: 1085-979#.
7/15/2012	4346 ft.	Drilling ahead.
7/16/2012	4526 ft.	Drilling ahead. Conducted DST #5: 4534-4581', rec. 372' gip, 62' free oil, 62' om (50% oil), 124' om, (40% oil). SIP: 892-544#.
7/17/2012	4678 ft.	Drilling ahead. Reached RTD @ 1044 hrs. Superior Well Services logging operations completed @ 1830 hrs. Geologist off location @ 2000 hrs.