



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1215058
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: _____

1215058

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 <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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Deyle 1-11
Doc ID	1215058

Tops

Name	Top	Datum
Anhydrite (top)	3172	+55
Anhydrite (base)	3209	+23
Foraker	3739	-512
Topeka	3967	-740
Oread	4090	-863
Lansing A	4178	-951
Lansing B	4236	-1009
Lansing C	4287	-1060
Lansing D	4332	-1105
Lansing E	4377	-1150
Lansing F	4419	-1192
Pawnee	4566	-1339
RTD	4680	
LTD	4685	

WELL FILE

ALLIED OIL & GAS SERVICES, LLC 062084

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Dakley, Tex

DATE <u>4-6-14</u>	SEC. <u>11</u>	TWP. <u>1</u>	RANGE <u>37</u>	CALLED OUT	ON LOCATION <u>7:00am</u>	JOB START <u>8:30a</u>	JOB FINISH <u>9:00am</u>
LEASE <u>Deyle</u>		WELL # <u>1-11</u>		LOCATION <u>McDonald, 2 1/2 W, 3 N</u>		COUNTY <u>Cheyenne</u>	STATE <u>WV</u>
OLD OR NEW (Circle one) <u>NEW</u>				LOCATION <u>1 1/2 W, 2 1/2 N, Wirtfo</u>			

CONTRACTOR <u>Beredco 10</u>	
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>314'</u>
CASING SIZE <u>8 1/8</u>	DEPTH <u>307.97</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>18.75 bbl</u>	

OWNER <u>Same</u>
CEMENT
AMOUNT ORDERED <u>225 sks cement 3% gel</u>
<u>270 gal</u>

EQUIPMENT	
PUMP TRUCK # <u>423/281</u>	CEMENTER <u>Lakene E. Wentz</u>
	HELPER <u>Kevin Ryan</u>
BULK TRUCK # <u>396/306</u>	DRIVER <u>Brendon Wilkerson</u>
BULK TRUCK #	DRIVER

COMMON	<u>225 sks</u>	@	<u>17.90</u>	<u>4027.50</u>
POZMIX		@		
GEL	<u>450</u>	@	<u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>8 sks</u>	@	<u>64.00</u>	<u>512.00</u>
ASC		@		
HANDLING	<u>243.3 sks</u>	@	<u>2.48</u>	<u>603.38</u>
MILEAGE	<u>11.1 tank 50 x</u>		<u>2.60</u>	<u>1388.75</u>
(1,855.06/28%)				TOTAL <u>6625.23</u>

REMARKS:

mix 225 sks cement
Displace with water
Cement did circulate
20 sks to pit

Thank you

CHARGE TO: Beredco
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>307.97</u>
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE	<u>MTW 50 @ 7.70</u> <u>385.00</u>
MANIFOLD	@ <u>275.00</u> <u>WE</u>
<u>MPLO 50 @ 4.80</u>	<u>WE</u>
(531.23/28%)	
TOTAL <u>1897.25</u>	

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
(0%)		
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.

PRINTED NAME Craig Weeks
SIGNATURE Craig Weeks

SALES TAX (If Any) _____
TOTAL CHARGES 8,522.48
DISCOUNT 2,386.29 (28%) IF PAID IN 30 DAYS
6,136.18 Net.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206
 ATTN: Bryan Bynog

11-1S-37W Cheyenne KS
Deyle #1-11
 Job Ticket: 56877 **DST#: 1**
 Test Start: 2014.04.12 @ 04:16:00

GENERAL INFORMATION:

Formation: **Oread**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 08:53:50
 Tester: Ryan Nichols
 Time Test Ended: 16:27:30
 Unit No: 58
Interval: 4035.00 ft (KB) To 4140.00 ft (KB) (TVD)
 Reference Elevations: 3227.00 ft (KB)
 Total Depth: 4140.00 ft (KB) (TVD) 3218.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good KB to GR/CF: 9.00 ft

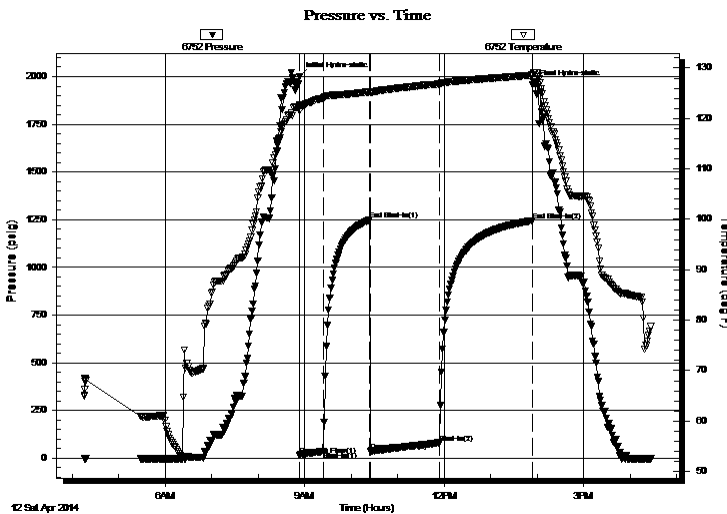
Serial #: 6752

Inside

Press @ Run Depth: 80.81 psig @ 4036.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.12 End Date: 2014.04.12 Last Calib.: 2014.04.12
 Start Time: 04:16:01 End Time: 16:27:30 Time On Btm: 2014.04.12 @ 08:53:40
 Time Off Btm: 2014.04.12 @ 13:54:19

TEST COMMENT: 30 IF - 1/4" blow built to 1 3/4"
 60 ISI - No return
 90 FF - Surface blow started @ 35 mins built to 1/4"
 120 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.65	122.63	Initial Hydro-static
1	16.09	121.59	Open To Flow (1)
31	35.09	123.99	Shut-In(1)
91	1249.50	125.30	End Shut-In(1)
91	37.74	125.16	Open To Flow (2)
180	80.81	126.82	Shut-In(2)
301	1244.77	128.59	End Shut-In(2)
301	1958.09	128.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW - 25%M - 75%W	0.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

11-1S-37W Cheyenne KS
Deyle #1-11
Job Ticket: 56877 **DST#: 1**
Test Start: 2014.04.12 @ 04:16:00

Mud and Cushion Information

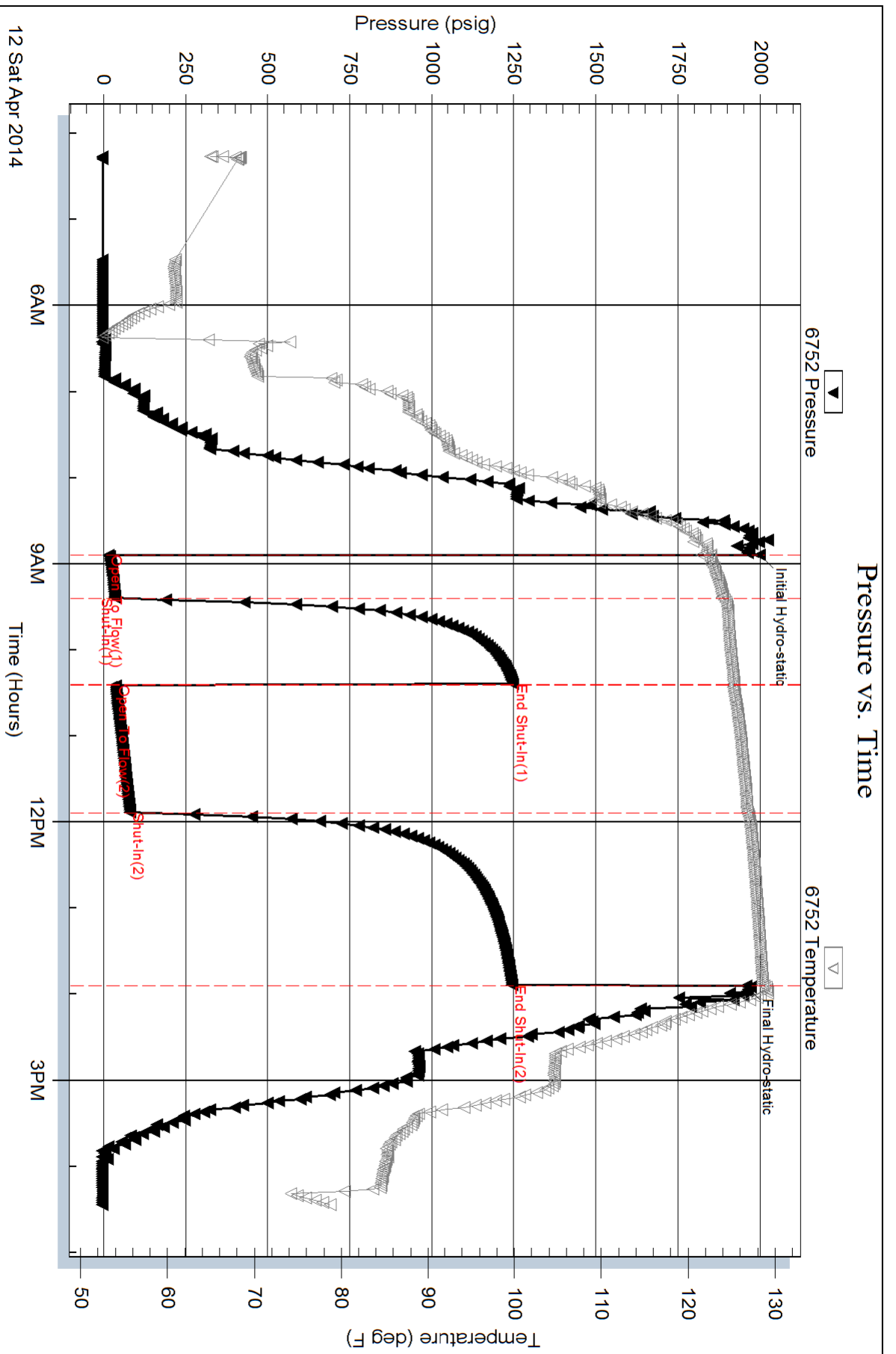
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 700.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MCW - 25%M - 75%W	0.615

Total Length: 125.00 ft Total Volume: 0.615 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Dirty water no chlorides





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

11-1S-37W Cheyenne KS
Deyle #1-11
Job Ticket: 56878 **DST#: 2**
Test Start: 2014.04.13 @ 11:45:00

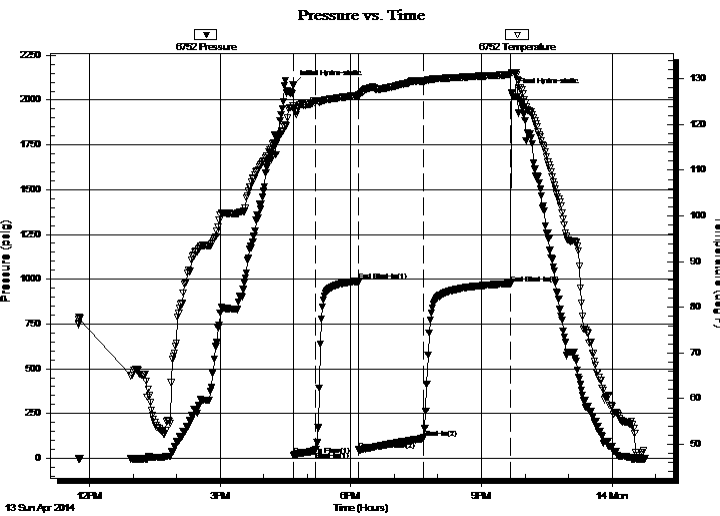
GENERAL INFORMATION:

Formation: **LKC " A - B "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:41:00
Time Test Ended: 00:45:30
Interval: **4180.00 ft (KB) To 4270.00 ft (KB) (TVD)**
Total Depth: 4270.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 58
Reference Elevations: 3227.00 ft (KB)
3218.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6752 Inside

Press @RunDepth: 111.03 psig @ 4181.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.04.13 End Date: 2014.04.14 Last Calib.: 2014.04.14
Start Time: 11:45:01 End Time: 00:45:30 Time On Btm: 2014.04.13 @ 16:40:39
Time Off Btm: 2014.04.13 @ 21:41:40

TEST COMMENT: 30 IF - 1/4" blow built to 2 3/4"
60 ISI - No return
90 FF - Surface blow built to 6"
120 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2085.15	124.13	Initial Hydro-static
1	18.13	123.71	Open To Flow (1)
31	41.88	124.95	Shut-In(1)
90	988.51	126.43	End Shut-In(1)
91	46.74	125.97	Open To Flow (2)
180	111.03	129.50	Shut-In(2)
301	976.01	130.94	End Shut-In(2)
302	2041.37	131.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM - 20%o - 80%M	0.89
20.00	MCO - 15%M - 75%o	0.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

11-1S-37W Cheyenne KS
Deyle #1-11
Job Ticket: 56878 **DST#: 2**
Test Start: 2014.04.13 @ 11:45:00

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: bbl		
Water Loss: 5.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1100.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

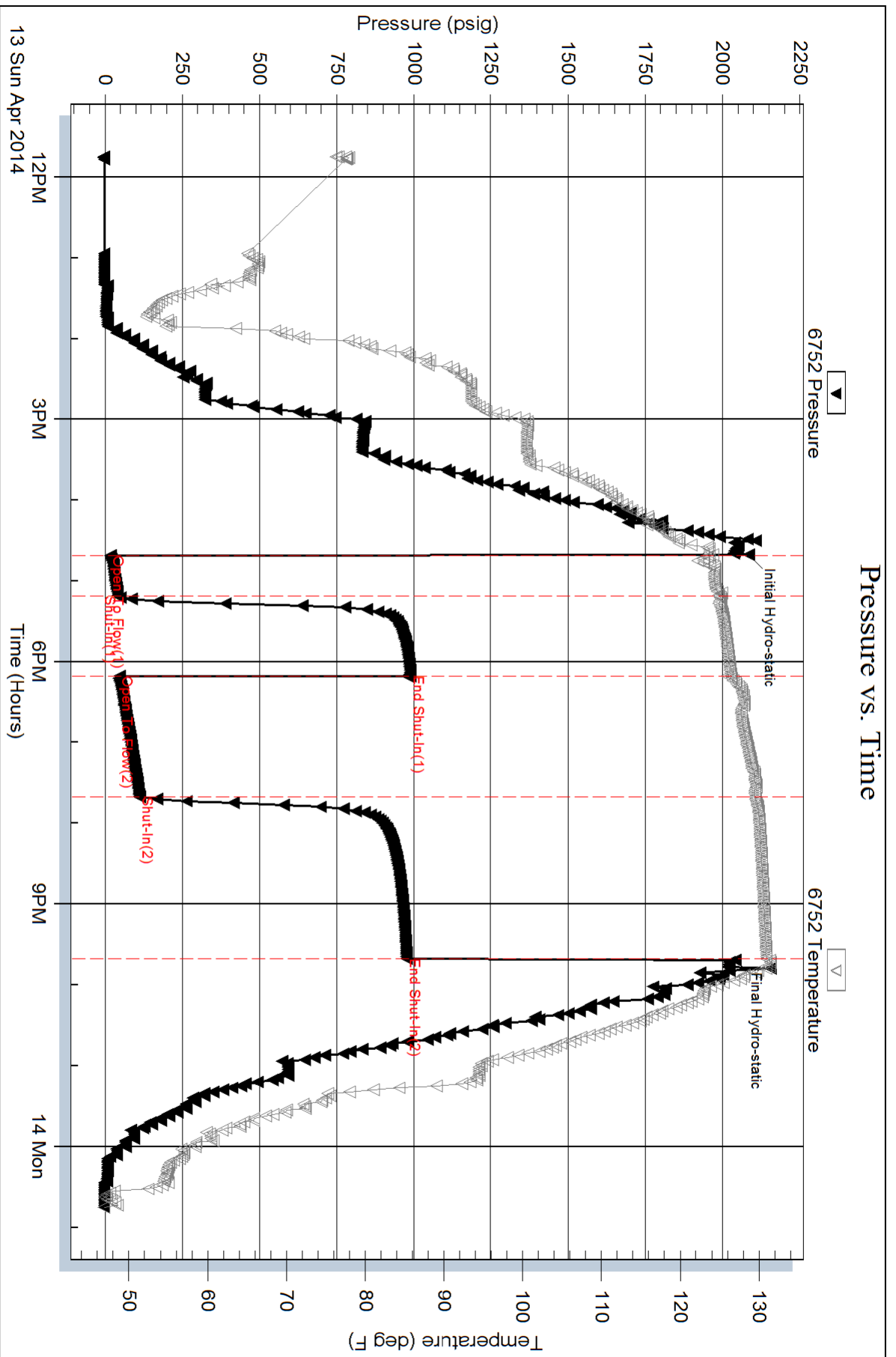
Length ft	Description	Volume bbl
180.00	OCM - 20%o - 80%M	0.885
20.00	MCO - 15%M - 75%o	0.098

Total Length: 200.00 ft Total Volume: 0.983 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206
 ATTN: Bryan Bynog

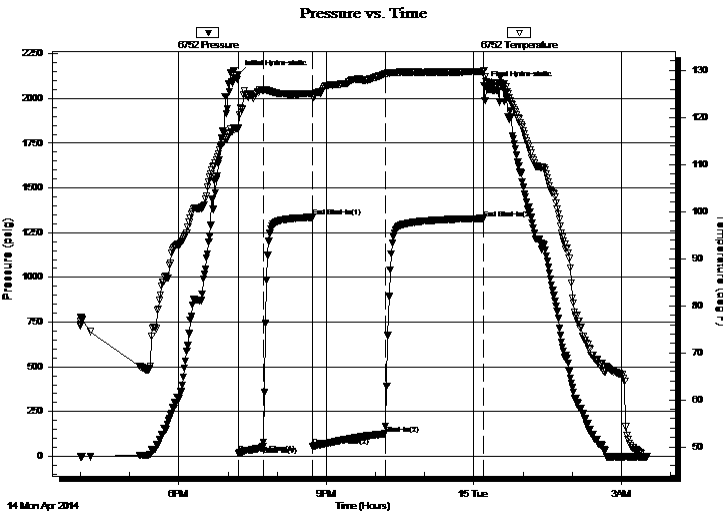
11-1S-37W Cheyenne KS
Deyle #1-11
 Job Ticket: 56879 **DST#: 3**
 Test Start: 2014.04.14 @ 16:00:00

GENERAL INFORMATION:

Formation: **LKC " C - D "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:12:40
 Time Test Ended: 03:31:49
Interval: 4255.00 ft (KB) To 4350.00 ft (KB) (TVD)
 Total Depth: 4350.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Nichols
 Unit No: 58
 Reference Elevations: 3227.00 ft (KB)
 3218.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6752 Inside
 Press @ Run Depth: 125.79 psig @ 4256.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.14 End Date: 2014.04.15 Last Calib.: 2014.04.15
 Start Time: 16:00:01 End Time: 03:31:49 Time On Btm: 2014.04.14 @ 19:12:20
 Time Off Btm: 2014.04.15 @ 00:12:20

TEST COMMENT: 30 IF - Surface blow built to 3"
 60 ISI - No return
 90 FF - Surface blow started @ 12 mins built to 3 1/4"
 120 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.15	117.91	Initial Hydro-static
1	18.32	117.63	Open To Flow (1)
31	56.65	125.76	Shut-In(1)
91	1336.33	125.07	End Shut-In(1)
91	56.52	124.56	Open To Flow (2)
180	125.79	129.35	Shut-In(2)
300	1329.68	129.81	End Shut-In(2)
301	2071.41	130.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	OWCM - 5%o - 25%W - 70%M	0.89
60.00	OWCM - 10%W - 20%o - 70%M	0.30

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

11-1S-37W Cheyenne KS
Deyle #1-11
Job Ticket: 56879 **DST#: 3**
Test Start: 2014.04.14 @ 16:00:00

Mud and Cushion Information

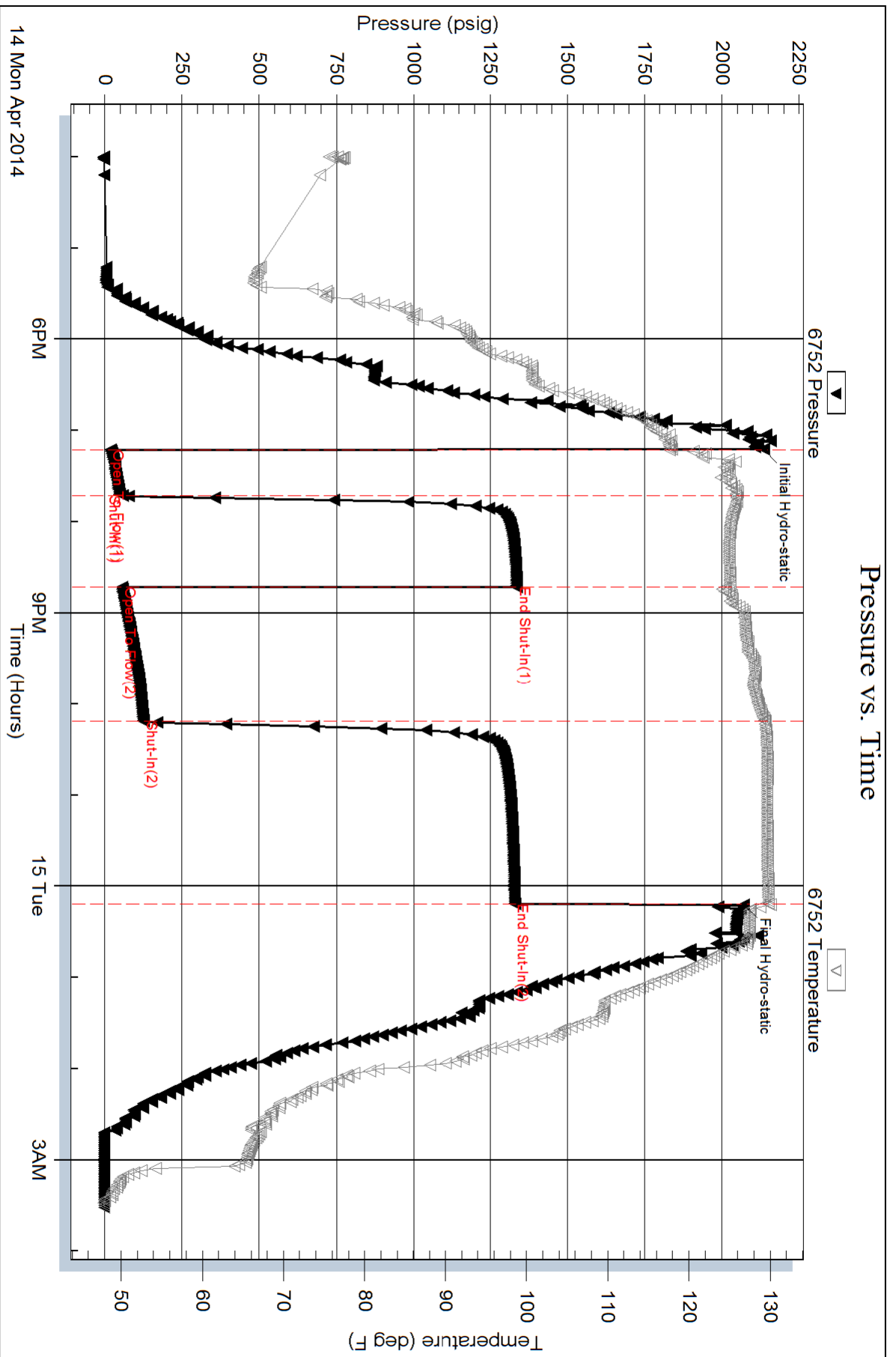
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1100.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	OWCM - 5%o - 25%W - 70%M	0.885
60.00	OWCM - 10%W - 20%o - 70%M	0.295

Total Length: 240.00 ft Total Volume: 1.180 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206
 ATTN: Bryan Bynog

11-1S-37W Cheyenne KS
Deyle #1-11
 Job Ticket: 56880 **DST#: 4**
 Test Start: 2014.04.15 @ 17:34:00

GENERAL INFORMATION:

Formation: **LKC " E "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:29:30
 Time Test Ended: 03:18:10
 Interval: **4336.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Total Depth: 4400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Nichols
 Unit No: 58
 Reference Elevations: 3227.00 ft (KB)
 3218.00 ft (CF)
 KB to GR/CF: 9.00 ft

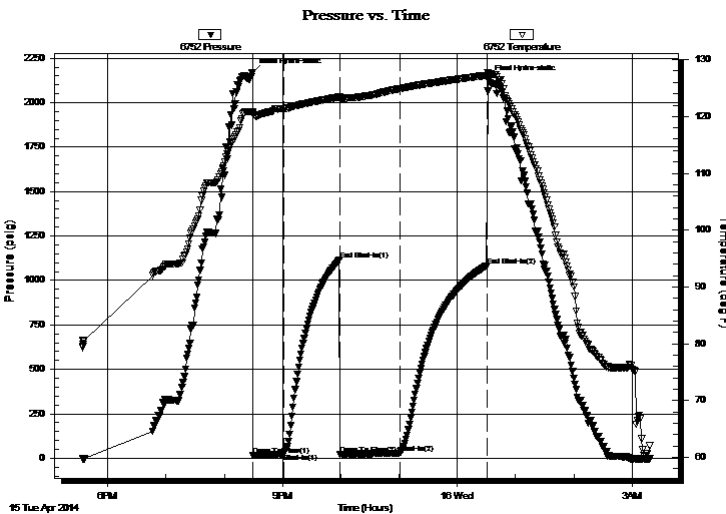
Serial #: 6752

Inside

Press@RunDepth: 29.70 psig @ 4337.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.15 End Date: 2014.04.16 Last Calib.: 2014.04.16
 Start Time: 17:34:01 End Time: 03:18:10 Time On Btm: 2014.04.15 @ 20:29:10
 Time Off Btm: 2014.04.16 @ 00:31:50

TEST COMMENT: 30 IF - Surface blow
 60 ISI - No return
 60 FF - No blow
 90 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.44	120.80	Initial Hydro-static
1	16.49	120.41	Open To Flow (1)
32	26.17	121.32	Shut-In(1)
90	1115.78	123.44	End Shut-In(1)
90	22.75	123.09	Open To Flow (2)
152	29.70	124.89	Shut-In(2)
242	1083.85	127.25	End Shut-In(2)
243	2130.20	127.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud - 100%M	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

11-1S-37W Cheyenne KS

2020 N. Bramblewood
Wichita KS 67206

Deyle #1-11

Job Ticket: 56880

DST#: 4

ATTN: Bryan Bynog

Test Start: 2014.04.15 @ 17:34:00

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: 90.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud - 100%M	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:

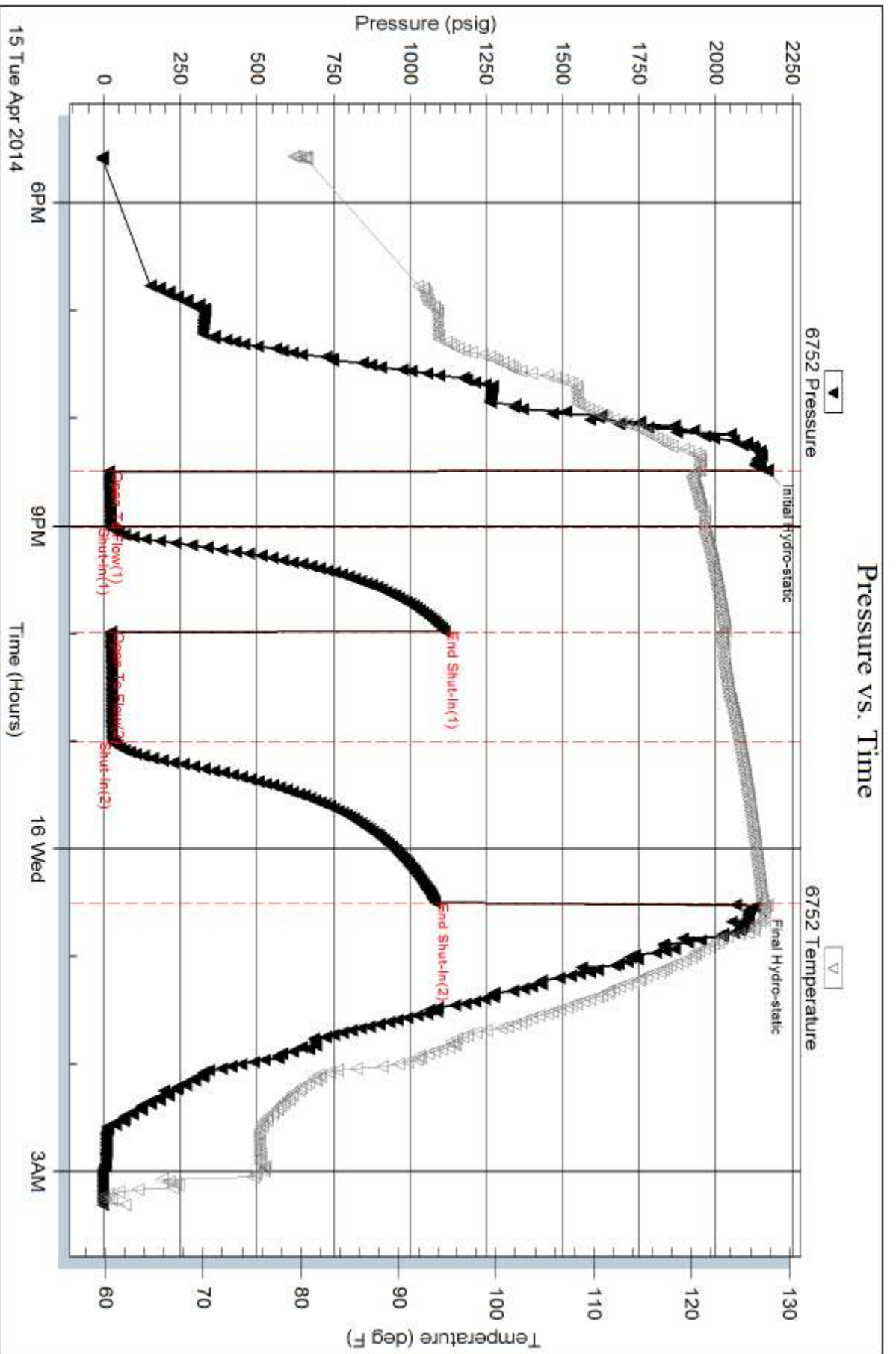
Serial #: 6752

Inside

Berexco LLC

Deyle #1-11

DST Test Number: 4





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206
 ATTN: Bryan Bynog

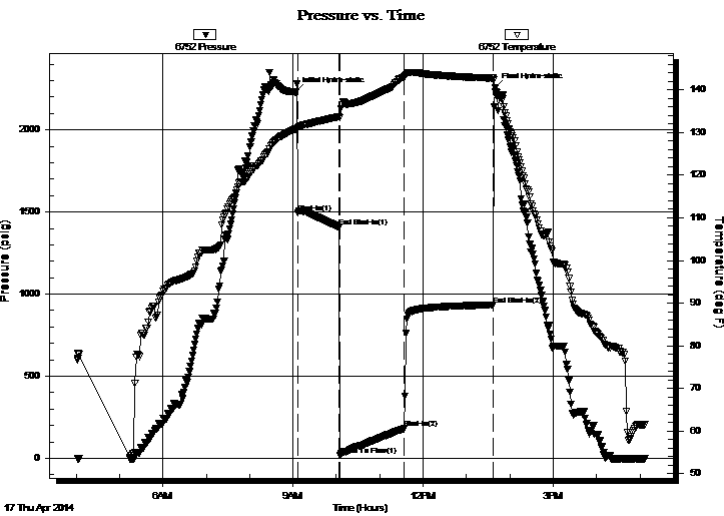
11-1S-37W Cheyenne KS
Deyle #1-11
 Job Ticket: 56881 **DST#: 5**
 Test Start: 2014.04.17 @ 04:02:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:05:00
 Time Test Ended: 17:07:00
 Interval: **4537.00 ft (KB) To 4580.00 ft (KB) (TVD)**
 Total Depth: 4580.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Nichols
 Unit No: 58
 Reference Elevations: 3227.00 ft (KB)
 3218.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 181.01 psig @ 4538.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.17 End Date: 2014.04.17 Last Calib.: 2014.04.17
 Start Time: 04:02:01 End Time: 17:07:00 Time On Btm: 2014.04.17 @ 09:03:30
 Time Off Btm: 2014.04.17 @ 13:39:30

TEST COMMENT: 30 IF - Surface blow built to 1/4"
 60 ISI - No return
 90 FF - Surface blow built to BoB @ 30 mins
 120 FSI - Surface blow built to 2 1/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.56	130.82	Initial Hydro-static
3	1494.03	131.09	Shut-In(1)
60	1406.56	133.71	End Shut-In(1)
62	20.43	133.48	Open To Flow (1)
150	181.01	142.98	Shut-In(2)
273	934.39	142.76	End Shut-In(2)
276	2255.10	139.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM - 5%G - 20%O - 75%M	0.30
360.00	GO - 30%G 70%O	1.77
30.00	GO - 15%G - 85%O	0.15

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

11-1S-37W Cheyenne KS
Deyle #1-11
Job Ticket: 56881 **DST#: 5**
Test Start: 2014.04.17 @ 04:02:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 102.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.00 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 600.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM - 5%G - 20%o - 75%M	0.295
360.00	GO - 30%G 70%o	1.770
30.00	GO - 15%G - 85%o	0.148

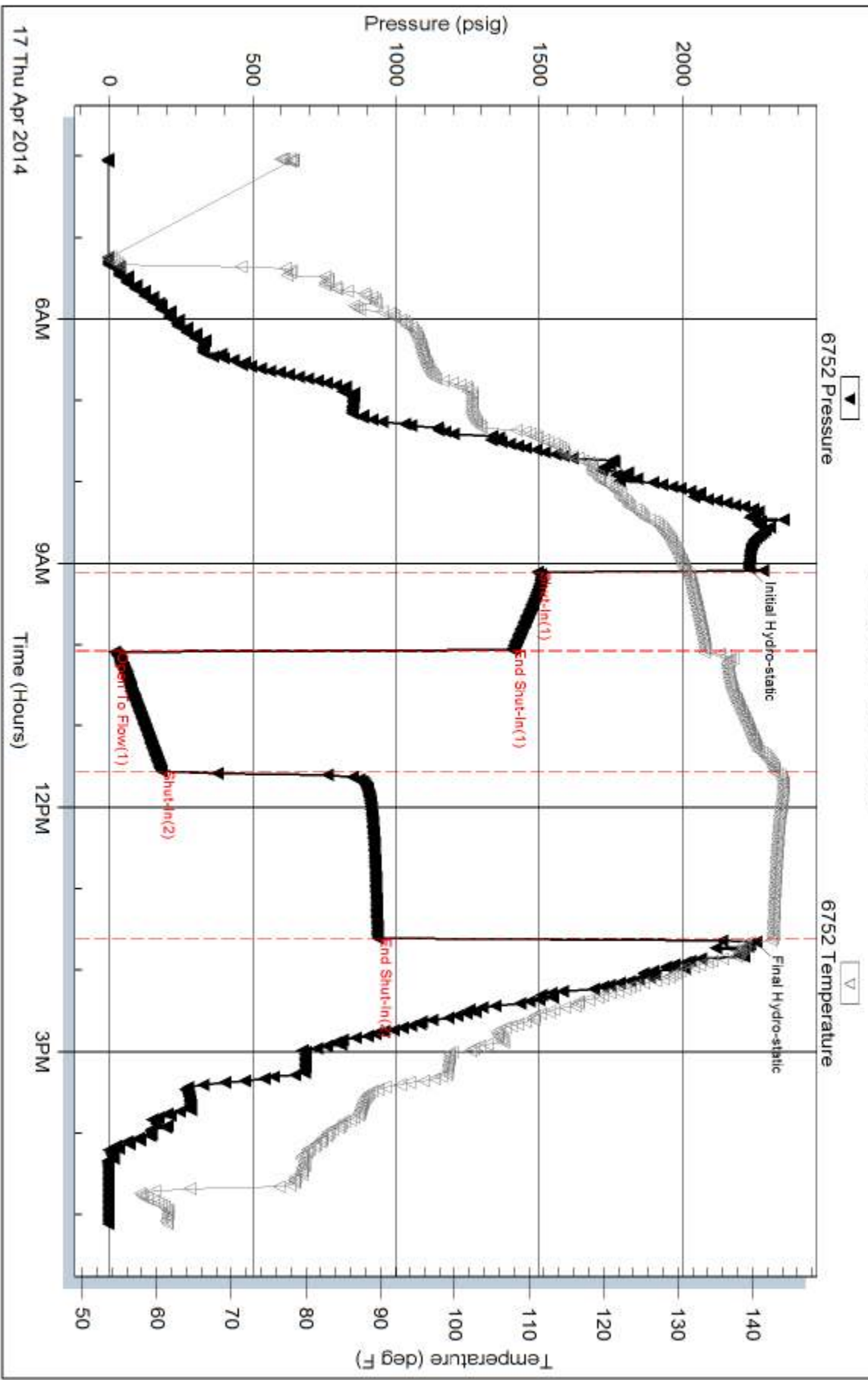
Total Length: 450.00 ft Total Volume: 2.213 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: OIL API = 40 @ 70 DEG F = 39 COR 60 DEG F

Pressure vs. Time



WELL FILE

ALLIED OIL & GAS SERVICES, LLC 063392

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley, TX

DATE <u>4/19/14</u>	SEC. <u>11</u>	TWP. <u>1</u>	RANGE <u>37</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30</u>	JOB FINISH <u>9:00 pm</u>
LEASE <u>Doyle</u>	WELL # <u>11-1</u>	LOCATION <u>Benkelman ST 702 ETO Rd 34</u>			COUNTY <u>Cherokee</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>25 W010 + W05 - W05 INTO</u>				

CONTRACTOR Grade 10
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 15 1/2 DEPTH 4680'
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.78
 CEMENT LEFT IN CSG. 42.78
 PERFS.
 DISPLACEMENT

OWNER Same
 CEMENT
 AMOUNT ORDERED 450 ALW 3/4 Flt
250 Com 10" 70 Salt 200 gal 5" Silsonite

EQUIPMENT
 PUMP TRUCK CEMENTER Alan Ryan
 # 723-281 HELPER Kevin Ryan
 BULK TRUCK
 # 566 DRIVER Ramiro (TWS)
 BULK TRUCK
 # 373 DRIVER Juan T. (TWS)

COMMON	<u>250</u>	@ <u>17.90</u>	<u>4475.00</u>
POZMIX		@	
GEL	<u>5</u>	@ <u>23.70</u>	<u>117.00</u>
CHLORIDE		@	
ALW ALW	<u>450</u>	@ <u>15.95</u>	<u>7177.50</u>
		@	
Flasah	<u>3381b</u>	@ <u>2.92</u>	<u>1003.86</u>
		@	
Salt	<u>24</u>	@ <u>26.55</u>	<u>635.20</u>
		@	
Silsonite	<u>1250lb</u>	@ <u>0.98</u>	<u>1225.00</u>
		@	
		@	
HANDLING	<u>825.28 CF</u>	@	<u>20.96</u> <u>69</u>
MILEAGE	<u>37.327</u> <u>7002</u>	@	<u>4462.54</u>
<u>(5,933.94 / 28%)</u>			TOTAL <u>21,192.66</u>

REMARKS:

See Job Log

SERVICE

DEPTH OF JOB	<u>4680'</u>	<u>25</u>
PUMP TRUCK CHARGE	<u>2765</u>	
EXTRA FOOTAGE	@	
MILEAGE	<u>50 miles</u>	@ <u>7.70</u> <u>385.00</u>
MANIFOLD	@ <u>2.75</u>	<u>24.00</u>
Cite Vehicle	@ <u>4.00</u>	<u>16.00</u>
	@	
<u>(802.21 / 28%)</u>		
TOTAL <u>3150.25</u>		

CHARGE TO: Bureau
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

Open Front Shae	1	@	<u>232.00</u>
Witchburn	1	@	<u>184.00</u>
Cent rollers	<u>14</u>	@ <u>37.00</u>	<u>518.00</u>
Scratchers	<u>28</u>	@ <u>46.33</u>	<u>1288.00</u>
		@	
<u>0%</u>			
TOTAL <u>2222.00</u>			

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 26,565.41
 DISCOUNT 6,816.15 (28%) IF PAID IN 30 DAYS
19,749.25 Net

PRINTED NAME _____
 SIGNATURE [Signature]

**BEREXCO, LLC.
DEYLE #1-11
NWNW SECTION 11 1S-37W
CHEYENNE COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, LLC.

WELL NAME & NUMBER: DEYLE #1-11

LOCATION: NWNW SECTION 11 1S-37W

COUNTY: CHEYENNE

STATE: KANSAS

SPUD DATE: 4-6-2014 COMPLETION DATE: 4-18-2014

ELEVATIONS: GL: 3216 KB: 3227

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: RAG, MICROLOG

WELLSITE ENGINEER: NONE

MUD COMPANY: MORGAN MUD

MUD TYPE & ENGINEER: FRESH CHEMICAL

GEOLOGIST: WILLIAM B.BYNOG

HOLE SIZE: 7 7/8

MUD LOGGING BY: NONE

DRILL STEM TEST COMPANY: TRILOBITE

DRILL STEM TEST: DST#1 4035-4140, DST#2 4180-4270,
DST#3 4255-4350, DST#4 4336-4400,
DST#5 4537-4580

WELL STATUS: RAN 5 ½ PRODUCTION PIPE

DISCUSSION

Deyle #1-11 is an eastern extension of Jones Canyon Field drilled a total depth of 4680 feet testing the Lansing Kansas City, Pawnee and Cherokee formations in Cheyenne County, Kansas. This well was drilled with the help of seismic data and well control.

Structurally, Deyle #1-11 came in 7 feet low to the prognosis and other producers in the area.

As a result of running low there were fair sample shows with poor to fair porosity development in the Oread, Lansing B, C and E zones and good development in the Pawnee zone. The Oread was tested on drill stem test #1 recovering only 125 feet of mud cut water. Drill stem test #2 on the Lansing B zone had better results recovering 20 feet of mud cut oil and fair pressures. Drill stem test #3 on the C and D zones recovered 240 feet of oil and water cut mud. Drill stem test #4 on the E zone is very tight recovering only 10 feet of mud. The Pawnee is the best zone with very good porosity development and excellent oil shows in a clean grainstone. Drill stem test #5 recovered 558 feet of gas in pipe and 450 feet of gassy oil with good permeability. The initial flow and initial shut-in didn't open, so this recovery is for the final flow and final shut-in only.

Logs agreed with sample evaluation recording fair to good porosity development with fair resistivity in the Oread and Lansing Kansas City formations. The Lansing Kansas City zones were tight, testing small amounts of free oil or water. The Pawnee zone is a very permeable grainstone with only 9% porosity and very good permeability.

A decision was made to run 5 ½ production casing based on favorable drill stem tests and log calculations.

DEYLE #1-11 SAMPLE DESCRIPTIONS
BREDECO DRILLING RIG 10 DRILLING 7 7/8 HOLE

3500-3700 SHALE red,dft,very argillaceous,very silty in part

3700-70 SHALE red,very silty

3770-88 LIMESTONE pale gray,hard,blocky,dense,dirty

FORAKER

3788-3806 LIMESTONE pale gray,firm,slightly oolitic,chalky,poor pinpoint vuggy porosity,spotty to even live brown stain,good milky cut,poor show free oil

3806-24 SHALE as above

3824-36 SANDSTONE pale gray,green,firm,very fine grained,calcareous cement,poor porosity,no shows

3836-70 SHALE gray,green,firm,argillaceous

3870-76 LIMESTONE pale gray,hard,slightly sandy,poor porosity,no shows

3876-3910 SHALE red,green,pale gray,firm,silty in part

DEYLE #1-11 SAMPLE DESCRIPTIONS

3910-46 SHALE red,very soft,very argillaceous with thin LIMESTONE as above no shows

3946-62 LIMESTONE white,pale gray,slightly hard,slightly fossils,chalky,poor porosity,spotty black dead stain,no free oil

3962-4008 SHALE red,soft,very argillaceous

TOPEKA

4008-60 LIMESTONE buff,slightly hard,slightly fossils,sandy in part,poor porosity,very spotty black dead stain,no free oil with thin SHALE as above

4060-90 SHALE as above

4090- 4106 LIMESTONE buff,very hard,dense, blocky,smth texture,no shows with thin SHALE

4106-40 SHALE green,firm,waxy,very argillaceous in part

OREAD

4140-46 GRAINSTONE white,firm,fossils,slightly chalky,poor to fair vuggy porosity,spotty to even live brown stain,good milky cut,good show free oil

4146-60 LIMESTONE buff,hard,dense,blocky,poor poor to poor vuggy porosity,very spotty live brown stain,good cut

4160-84 LIMESTONE pale gray,very hard,dense,blocky,no shows

A

DEYLE #1-11 SAMPLE DESCRIPTIONS

4184-4212 SHALE red,very soft,very argillaceous some dark gray,slightly hard,fissile

4212-40 LIMESTONE pale gray,tan,very hard,dense,smth texture,poor porosity,no shows

4240-70 SHALE as above with some SANDSTONE white,very fine grained,friable,chalky,very spotty black dead stain

B

4270-82 LIMESTONE white,firm,slightly fossils,chalky,poor pinpoint vuggy porosity,very spotty live brown stain,good cut,fair show free oil

4282-4300 LIMESTONE buff,very hard,dense, blocky,smth texture,no shows with thin SHALE as above

4300-21 SHALE red,very soft,very argillaceous

C

4321-25 GRAINSTONE white,firm,very fossils,fair intg and crystalline porosity,spotty to even live brown stain,very good milky cut,fair show free oil,fair odor

4325-36 LIMESTONE white,firm,chalky, slightly fossils,poor pinpoint porosity,very spotty live brown stain,fair cut

4336-50 LIMESTONE pale gray,very hard,dense,poor porosity,no shows

DEYLE #1-11 SAMPLE DESCRIPTIONS

4350-60 SHALE green,firm,waxy,fi ssile

4360-66 SHALE red,firm,silty some sandy in part

D

4372-92 LIMESTONE buff,very hard,dense, smth texture,no shows

4392-4408 SHALE as above

E

4408-16 GRAINSTONE white, firm,fossils,chalky,poor to fair intg and crystalline porosity,spotty live brown stain,good milky cut,fair show free oil

4416-26 LIMESTONE white,slightly hard,sub chalky,poor porosity,no shows

4426-57 SHALE red,firm,argillaceous,silty in part

F

4457-76 LIMESTONE buff,very hard,dense, chalky in part,poor porosity,no shows

4470-4500 LIMESTONE as above with interbed SHALE as above

4500-22 LIMESTONE buff,pale gray,hard,blocky,dense,chalky in part no shows

DEYLE #1-11 SAMPLE DESCRIPTIONS

4522-78 SHALE red,firm,silty, some sandy in part with very thin LIMESTONE as above pale gray,hard,dense,no shows

4578-90 LIMESTONE pale gray,very hard,dense,no shows

4590-4604 SHALE pale gray,green,slightly hard,waxy in part

PAWNEE

4604-12 GRAINSTONE white,slightly hard,very oolitic,clean,fair intg porosity, even brown stain,good milky cut,fair show free oil

4612-62 LIMESTONE pale gray,hard,dense, chalky in part,dense,some Chert orange,no shows with very thin SHALE dark gray black,firm,fissile,carbonaceous

4664-84 SHALE red,green,firm,waxy, some black carbonaceous

4684-4710 LIMESTONE buff,gray,very hard,dense, chalky in part,poor porosity,no shows

4710-46 SHALE as above with interbed SANDSTONE pale red,white,very hard,very fine to m good,dense, sileous,no vis porosity,no shows

4746-60 LIMESTONE and SHALE as above

RTD 4760'

LTD 4759'

DEYLE #1-11 SAMPLE DESCRIPTIONS