



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal BLVD.
Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

Nancy #2-17

17/17s/13w/Barton

Start Date: 2013.10.23 @ 17:25:00

End Date: 2013.10.24 @ 00:27:30

Job Ticket #: 18508 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.10.24 @ 00:40:27



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 Test Start: 2013.10.23 @ 17:25:00

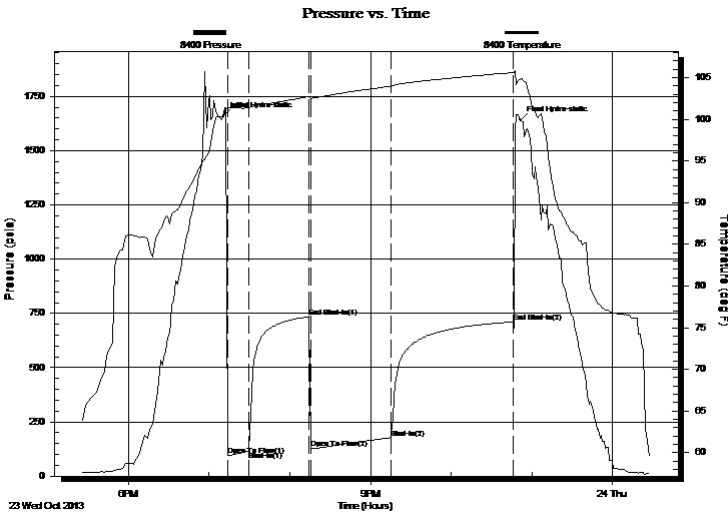
GENERAL INFORMATION:

Formation: **LKC "H-K"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 19:13:30
 Tester: Shane Konzem
 Time Test Ended: 00:27:30
 Unit No: 3330/30/Great Bend
 Interval: **3355.00 ft (KB) To 3455.00 ft (KB) (TVD)**
 Reference Elevations: 1997.00 ft (KB)
 Total Depth: 3455.00 ft (KB) (TVD) 1984.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 13.00 ft

Serial #: 8400 Inside
 Press @ RunDepth: 176.90 psia @ 3449.50 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.23 End Date: 2013.10.24 Last Calib.: 2013.10.24
 Start Time: 17:25:00 End Time: 00:27:30 Time On Btm: 2013.10.23 @ 19:10:30
 Time Off Btm: 2013.10.23 @ 22:51:30

TEST COMMENT: 1st Open/ 15 Minutes. Fair blow built to 2 1/ inches in 5 gallon bucket.
 1st Shut In/ 45 Minutes. No blow back.
 2nd Open/ 60 Minutes. Fair blow built to 5 inches in 5 gallon bucket.
 2nd Shut In/ 90 Minutes. No blow back.

PRESSURE SUMMARY



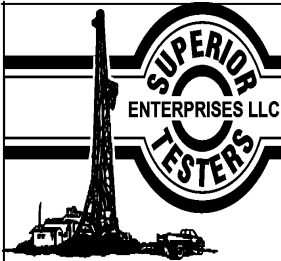
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1654.84	100.24	Initial Hydro-static
3	93.82	101.11	Open To Flow (1)
19	114.72	101.36	Shut-In(1)
65	734.54	102.72	End Shut-In(1)
65	126.23	102.53	Open To Flow (2)
125	176.90	103.96	Shut-In(2)
216	711.30	105.61	End Shut-In(2)
221	1639.35	104.78	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
97.00	100% mud	0.48

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



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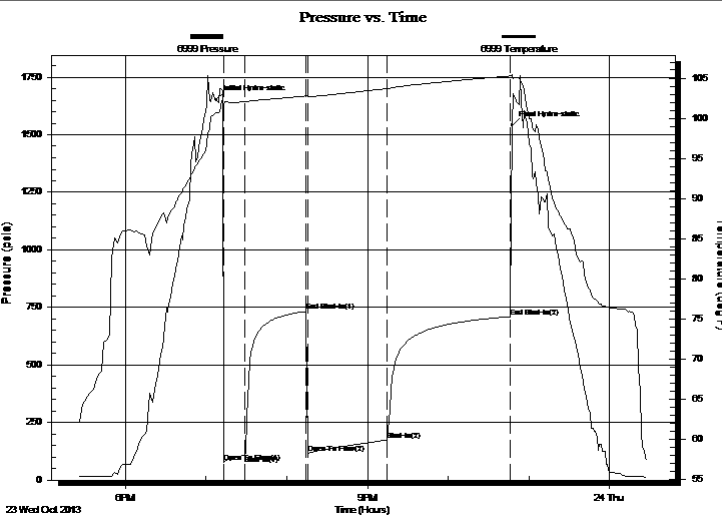
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 Tester: Shane Konzem
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Interval: 3355.00 ft (KB) To 3455.00 ft (KB) (TVD)
 Reference Elevations: 1997.00 ft (KB)
 Total Depth: 3455.00 ft (KB) (TVD) 1984.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 13.00 ft

Serial #: 6999 Outside

Press @ RunDepth: 709.79 psia @ 3450.50 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.23 End Date: 2013.10.24 Last Calib.: 2013.10.24
 Start Time: 17:25:00 End Time: 00:28:00 Time On Btm: 2013.10.23 @ 19:07:30
 Time Off Btm: 2013.10.23 @ 22:47:30

TEST COMMENT: 1st Open/ 15 Minutes. Fair blow built to 2 1/ inches in 5 gallon bucket.
 1st Shut In/ 45 Minutes. No blow back.
 2nd Open/ 60 Minutes. Fair blow built to 5 inches in 5 gallon bucket.
 2nd Shut In/ 90 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1651.78	100.66	Initial Hydro-static
6	79.17	101.59	Open To Flow (1)
22	110.05	102.03	Shut-In(1)
67	732.83	102.78	End Shut-In(1)
68	116.07	102.68	Open To Flow (2)
127	173.56	103.69	Shut-In(2)
219	709.79	105.27	End Shut-In(2)
220	1540.92	105.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
97.00	100% mud	0.48

Gas Rates

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



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TOOL DIAGRAM

Shelby Resources LLC
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Tool Information

Drill Pipe:	Length: 3026.00 ft	Diameter: 3.80 inches	Volume: 42.45 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 329.44 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 44.07 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	29.44 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3355.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.50 ft			
Tool Length:	129.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3327.00	
Shut-In Tool	5.00			3332.00	
Hydroic Tool	5.00			3337.00	
Jars	6.00			3343.00	
Safety Joint	2.00			3345.00	
Packer	5.00			3350.00	29.00 Bottom Of Top Packer
Packer	5.00			3355.00	
Perforations	5.00			3360.00	
Change Over Sub	0.75			3360.75	
Drill Pipe	63.00			3423.75	
Change Over Sub	0.75			3424.50	
Perforations	24.00			3448.50	
Recorder	1.00	8400	Inside	3449.50	
Recorder	1.00	6999	Outside	3450.50	
Bullnose	5.00			3455.50	100.50 Bottom Packers & Anchor

Total Tool Length: 129.50



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FLUID SUMMARY

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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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
97.00	100% mud	0.477

Total Length: 97.00 ft Total Volume: 0.477 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

