



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal Blvd. Suite C
Hays Kansas 67601

ATTN: Keith Reavis

Beren Trust 2-9

9-17s-14w-Barton

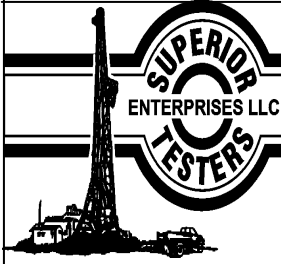
Start Date: 2012.07.03 @ 06:24:00

End Date: 2012.07.03 @ 13:41:00

Job Ticket #: 17693 DST #: 3

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

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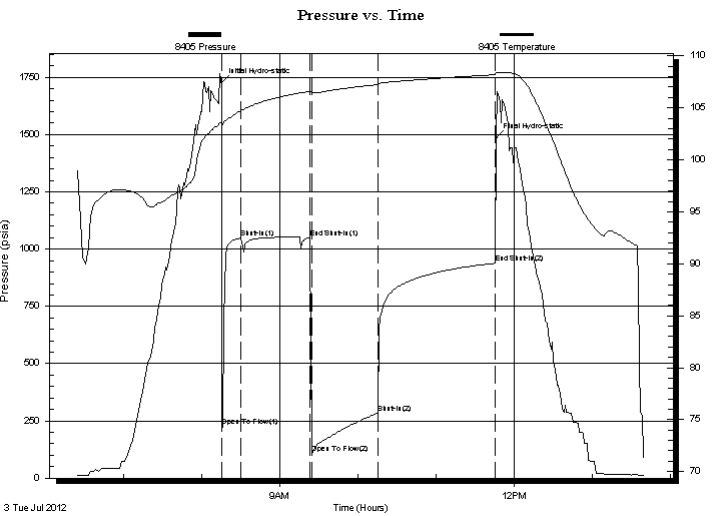
9-17s-14w-Barton
Beren Trust 2-9
 Job Ticket: 17693 **DST#: 3**
 Test Start: 2012.07.03 @ 06:24:00

GENERAL INFORMATION:

Formation: **Gonglomerate**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 08:16:00 Tester: Dustin Ellis
 Time Test Ended: 13:41:00 Unit No: 3315-Great Bend-42
 Interval: **3428.00 ft (KB) To 3479.00 ft (KB) (TVD)** Reference Elevations: 1970.00 ft (KB)
 Total Depth: 3479.00 ft (KB) (TVD) 1961.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8405 Inside
 Press @ Run Depth: 284.31 psia @ 3475.39 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.03 End Date: 2012.07.03 Last Calib.: 2012.07.03
 Start Time: 06:24:00 End Time: 13:41:00 Time On Btm: 2012.07.03 @ 08:15:30
 Time Off Btm: 2012.07.03 @ 11:46:30

TEST COMMENT: 1st Open 15 minutes Weak surface blow died off after 10 minutes.
 1st Shut in 45 minutes No blow back.
 2nd Open 60 minutes Dead blow flushed tool helped bottom bucket 11 minutes.
 2nd Shut 90 minutes Yes blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1728.34	103.62	Initial Hydro-static
1	225.06	103.38	Open To Flow (1)
15	1048.01	104.73	Shut-In(1)
68	1049.12	106.59	End Shut-In(1)
69	106.26	106.44	Open To Flow (2)
120	284.31	107.24	Shut-In(2)
211	938.44	108.19	End Shut-In(2)
211	1486.64	108.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Clean oil 100%	0.20
50.00	Oil cut mud Oil 70% Mud 30%	0.25
124.00	Oil cut muddy w ater	0.63
0.00	1% Oil Mud 5% Water 94%	0.00
250.00	Mud cut w ater Mud 10% Water 90%	3.51

Gas Rates

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



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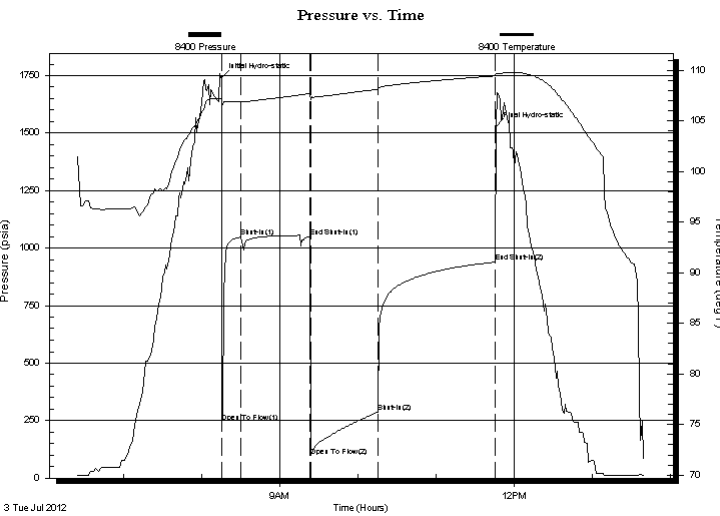
9-17s-14w-Barton
Beren Trust 2-9
 Job Ticket: 17693 **DST#: 3**
 Test Start: 2012.07.03 @ 06:24:00

GENERAL INFORMATION:

Formation: **Gonglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:16:00
 Time Test Ended: 13:41:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-42
 Interval: **3428.00 ft (KB) To 3479.00 ft (KB) (TVD)**
 Reference Elevations: 1970.00 ft (KB)
 Total Depth: 3479.00 ft (KB) (TVD) 1961.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8400 Outside
 Press @ Run Depth: 939.54 psia @ 3476.39 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.03 End Date: 2012.07.03 Last Calib.: 2012.07.03
 Start Time: 06:24:00 End Time: 13:40:30 Time On Btm: 2012.07.03 @ 08:15:30
 Time Off Btm: 2012.07.03 @ 11:46:30

TEST COMMENT: 1st Open 15 minutes Weak surface blow died off after 10 minutes.
 1st Shut in 45 minutes No blow back.
 2nd Open 60 minutes Dead blow flushed tool helped bottom bucket 11 minutes.
 2nd Shut 90 minutes Yes blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1742.87	107.19	Initial Hydro-static
1	245.21	106.69	Open To Flow (1)
15	1048.74	106.89	Shut-In(1)
68	1049.67	107.69	End Shut-In(1)
69	96.89	107.13	Open To Flow (2)
120	286.64	108.11	Shut-In(2)
211	939.54	109.44	End Shut-In(2)
211	1529.89	109.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Clean oil 100%	0.20
50.00	Oil cut mud Oil 70% Mud 30%	0.25
124.00	Oil cut muddy w ater	0.63
0.00	1% Oil Mud 5% Water 94%	0.00
250.00	Mud cut w ater Mud 10% Water 90%	3.51

Gas Rates

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



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TOOL DIAGRAM

Shelby Resources LLC
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9-17s-14w-Barton
Beren Trust 2-9
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Tool Information

Drill Pipe:	Length: 3201.00 ft	Diameter: 3.80 inches	Volume: 44.90 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: 20000.00 lb
Drill Collar:	Length: 211.91 ft	Diameter: 2.25 inches	Volume: 1.04 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 45.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.91 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3428.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.39 ft			
Tool Length:	71.39 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3413.00	
Hydraulic Tool	5.00			3418.00	
Packer	5.00			3423.00	20.00 Bottom Of Top Packer
Packer	5.00			3428.00	
Anchor	5.00			3433.00	
Change Over Sub	0.75			3433.75	
Drill Pipe	31.89			3465.64	
Change Over Sub	0.75			3466.39	
Anchor	8.00			3474.39	
Recorder	1.00	8405	Inside	3475.39	
Recorder	1.00	8400	Outside	3476.39	
Bull Plug	3.00			3479.39	51.39 Bottom Packers & Anchor

Total Tool Length: 71.39



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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:	58.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.80 in ³	Gas Cushion Type:			
Resistivity:	0.20 ohm.m	Gas Cushion Pressure:	psia		
Salinity:	6300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
40.00	Clean oil 100%	0.197
50.00	Oil cut mud Oil 70%Mud 30%	0.246
124.00	Oil cut muddy w ater	0.629
0.00	1% Oil Mud 5% Water 94%	0.000
250.00	Mud cut w ater Mud 10% Water 905	3.507

Total Length: 464.00 ft Total Volume: 4.579 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

