



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O. Box 256
Clafin ,Kansas 67525

ATTN: Jim Musgrove

Dewey #1

123

Start Date: 2012.12.20 @ 00:00:00

End Date:

Job Ticket #: 17773

DST #: 4

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

Printed: 2012.12.20 @ 08:56:26

RJM Company
123
Dewey #1
DST # 4
Simpson and Arbuckle
2012.12.20



DRILL STEM TEST REPORT

RJM Company
 P.O. Box 256
 Claflin, Kansas 67525
 ATTN: Jim Musgrove

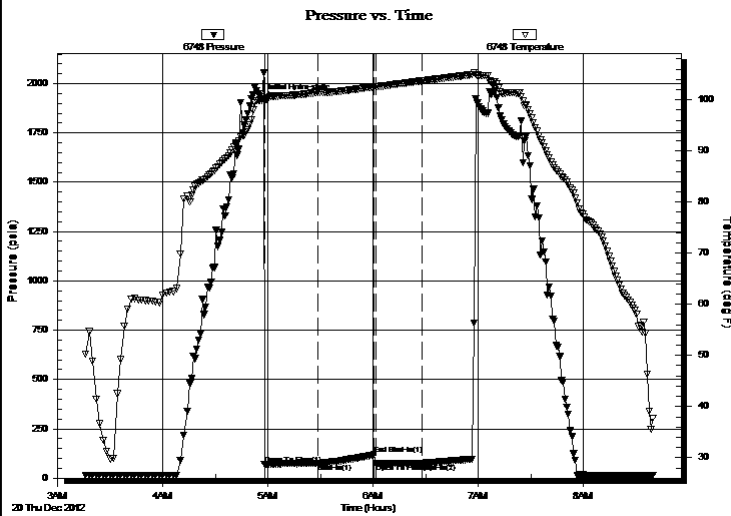
123
Dewey #1
 Job Ticket: 17773 **DST#: 4**
 Test Start: 2012.12.20 @ 00:00:00

GENERAL INFORMATION:

Formation: **Simpson and Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened:
 Tester: Gene budig
 Time Test Ended:
 Unit No: 3335
 Interval: **3811.00 ft (KB) To 3886.00 ft (KB) (TVD)**
 Reference Elevations: 1954.00 ft (KB)
 Total Depth: 3886.00 ft (KB) (TVD) 1947.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6748 Inside
 Press @ Run Depth: 119.48 psia @ 3881.29 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.12.20 End Date: 2012.12.20 Last Calib.: 2012.12.20
 Start Time: 03:15:00 End Time: 08:39:30 Time On Btm: 2012.12.20 @ 04:56:30
 Time Off Btm:

TEST COMMENT: 1st Opening 30 Minutes Weak steady surface blow for 26 minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes-No blow
 2nd Opening 30 Minutes -No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1922.38	99.93	Initial Hydro-static
2	69.90	99.71	Open To Flow (1)
32	73.82	101.46	Shut-In(1)
64	119.48	102.56	End Shut-In(1)
65	75.41	102.59	Open To Flow (2)
92	74.86	103.70	Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



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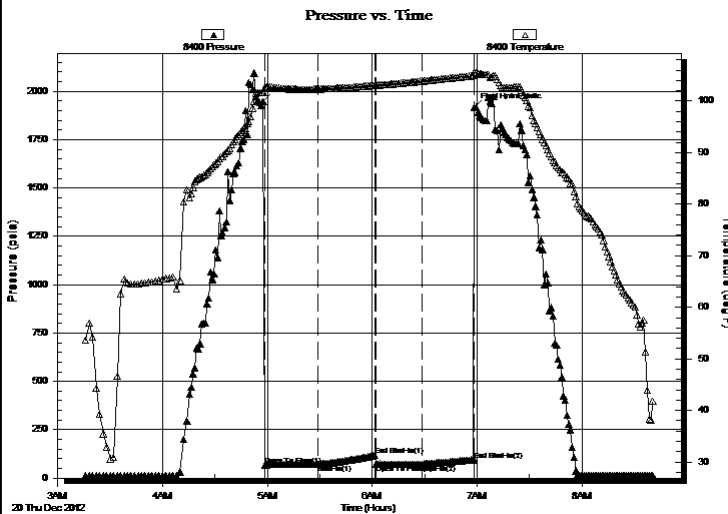
123
Dewey #1
 Job Ticket: 17773 **DST#: 4**
 Test Start: 2012.12.20 @ 00:00:00

GENERAL INFORMATION:

Formation: **Simpson and Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended:
 Interval: **3811.00 ft (KB) To 3886.00 ft (KB) (TVD)**
 Total Depth: 3886.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene budig
 Unit No: 3335
 Reference Elevations: 1954.00 ft (KB)
 1947.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8400 Outside
 Press @ RunDepth: 94.68 psia @ 3882.29 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.12.20 End Date: 2012.12.20 Last Calib.: 2012.12.20
 Start Time: 03:15:00 End Time: 08:41:00 Time On Btm: 2012.12.20 @ 04:57:30
 Time Off Btm: 2012.12.20 @ 06:58:30

TEST COMMENT: 1st Opening 30 Minutes Weak steady surface blow for 26 minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes-No blow
 2nd Opening 30 Minutes -No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1946.39	101.68	Initial Hydro-static
1	67.92	102.56	Open To Flow (1)
32	71.43	102.31	Shut-In(1)
64	117.88	103.02	End Shut-In(1)
65	72.03	103.02	Open To Flow (2)
91	71.84	103.86	Shut-In(2)
121	94.68	104.91	End Shut-In(2)
121	1916.94	105.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

123

P.O. Box 256
Clafin ,Kansas 67525

Dewey #1

Job Ticket: 17773

DST#: 4

ATTN: Jim Musgrove

Test Start: 2012.12.20 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3816.00 ft	Diameter: 3.80 inches	Volume: 53.53 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 53.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3811.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.29 ft			
Tool Length:	95.29 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			3791.00	
Shut-In Tool	5.00			3796.00	
Hydroic Tool	5.00			3801.00	
Packer	5.00			3806.00	21.00 Bottom Of Top Packer
Packer	5.00			3811.00	
Perforations	5.00			3816.00	
Change Over Sub	0.75			3816.75	
Drill Pipe	31.79			3848.54	
Change Over Sub	0.75			3849.29	
Perforations	31.00			3880.29	
Recorder	1.00	6748	Inside	3881.29	
Recorder	1.00	8400	Outside	3882.29	
Bullnose	3.00			3885.29	74.29 Bottom Packers & Anchor

Total Tool Length: 95.29



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FLUID SUMMARY

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Job Ticket: 17773

DST#: 4

ATTN: Jim Musgrove

Test Start: 2012.12.20 @ 00:00:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling Mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6748

Inside

RJM Company

Dewey #1

DST Test Number: 4

