



DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES L.L.C**

2717 CANAL BLVD SUITE C HAYS KS 67601

ATTN: CHARLIE STURDAVANT

24-17S14W BARTON

CLARK #5-24

Start Date: 2011.02.26 @ 10:45:00

End Date: 2011.02.26 @ 18:59:30

Job Ticket #: 16098 DST #: 3

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

Printed: 2011.02.26 @ 19:26:51

SHELBY RESOURCES L.L.C
CLARK #5-24
24-17S14W BARTON
DST # 3
ARBUCKLE
2011.02.26



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C

CLARK #5-24

2717 CANAL BLVD SUITE C HAYS KS 67601

24-17S14W BARTON

ATTN: CHARLIE STURDAVANT

Job Ticket: 16098

DST#: 3

Test Start: 2011.02.26 @ 10:45:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:45:30

Time Test Ended: 18:59:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-GRET BEND-20

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

Total Depth: 3431.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1928.00 ft (KB)

1917.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8419

Inside

Press@RunDepth: 156.50 psia @ 3427.00 ft (KB)

Start Date: 2011.02.26

End Date: 2011.02.26

Start Time: 10:45:00

End Time: 18:59:30

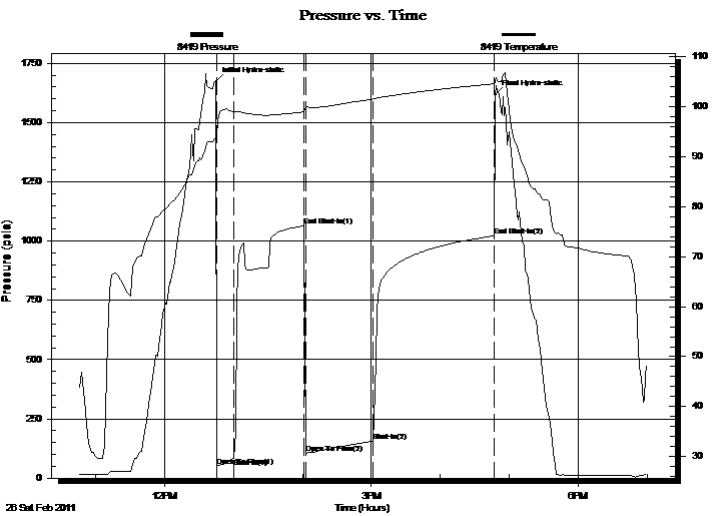
Capacity: 5000.00 psia

Last Calib.: 2011.02.26

Time On Btm: 2011.02.26 @ 12:44:30

Time Off Btm: 2011.02.26 @ 16:48:00

TEST COMMENT: 15/INITIAL OPEN:WEAK BUT BUILDING BLOW BUILT 2 1/2 INCHES INTO WATER IN 15 MINUTES
 60/INITIAL SHUT IN:2 INCH BLOW BACK
 60/FINAL OPEN:FAIR BLOW BUILT BOTTOM OF BUCKET IN 20 MINUTES
 90/FINAL SHUT IN:VERY WEAK SURFACE BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1671.60	93.75	Initial Hydro-static
1	48.69	94.12	Open To Flow (1)
16	84.28	98.94	Shut-In(1)
77	1062.71	98.97	End Shut-In(1)
78	105.86	99.81	Open To Flow (2)
137	156.50	101.50	Shut-In(2)
243	1022.35	104.55	End Shut-In(2)
244	1616.03	105.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	CLEAN GASSY OIL 20%GAS 80%OIL	1.17
120.00	HEAVY MUD CUT OIL	1.68
0.00	40%MUD 60%OIL	0.00

Gas Rates

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



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2717 CANAL BLVD SUITE C HAYS KS 67601

24-17S14W BARTON

ATTN: CHARLIE STURDAVANT

Job Ticket: 16098

DST#: 3

Test Start: 2011.02.26 @ 10:45:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:45:30

Time Test Ended: 18:59:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-GRET BEND-20

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

Reference Elevations: 1928.00 ft (KB)

Total Depth: 3431.00 ft (KB) (TVD)

1917.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8524 Outside

Press@RunDepth: 1022.57 psia @ 3428.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.02.26

End Date: 2011.02.26

Last Calib.: 2011.02.26

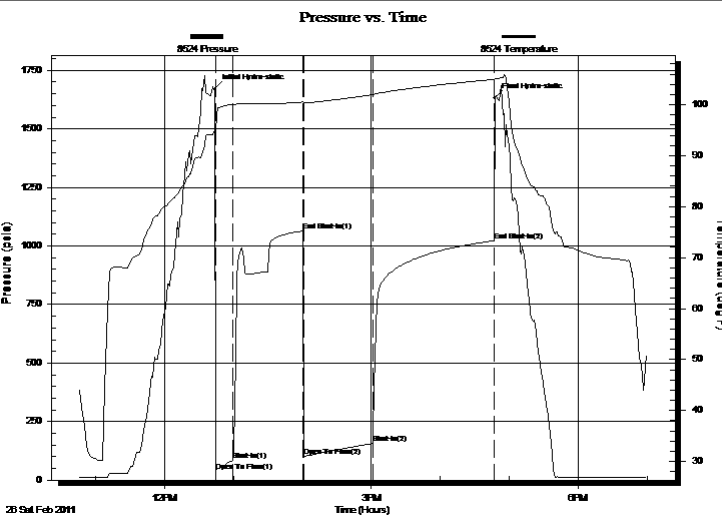
Start Time: 10:45:00

End Time: 18:59:30

Time On Btm: 2011.02.26 @ 12:44:00

Time Off Btm: 2011.02.26 @ 16:47:30

TEST COMMENT: 15/INITIAL OPEN:WEAK BUT BUILDING BLOW BUILT 2 1/2 INCHES INTO WATER IN 15 MINUTES
 60/INITIAL SHUT IN:2 INCH BLOW BACK
 60/FINAL OPEN:FAIR BLOW BUILT BOTTOM OF BUCKET IN 20 MINUTES
 90/FINAL SHUT IN:VERY WEAK SURFACE BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1670.84	94.94	Initial Hydro-static
1	39.03	94.94	Open To Flow (1)
16	84.05	99.99	Shut-In(1)
77	1063.15	100.55	End Shut-In(1)
78	100.89	100.42	Open To Flow (2)
137	155.96	101.97	Shut-In(2)
243	1022.57	104.97	End Shut-In(2)
244	1631.63	105.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	CLEAN GASSY OIL 20%GAS 80%OIL	1.17
120.00	HEAVY MUD CUT OIL	1.68
0.00	40%MUD 60%OIL	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C

CLARK #5-24

2717 CANAL BLVD SUITE C HAYS KS 67601

24-17S14W BARTON

Job Ticket: 16098

DST#: 3

ATTN: CHARLIE STURDAVANT

Test Start: 2011.02.26 @ 10:45:00

Tool Information

Drill Pipe:	Length: 3228.00 ft	Diameter: 3.80 inches	Volume: 45.28 bbl	Tool Weight:	1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 46.17 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3415.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3387.00	
Shut-In Tool	5.00			3392.00	
Hydraulic Tool	5.00			3397.00	
Jars	6.00			3403.00	
Safety Joint	2.00			3405.00	
Packer	5.00			3410.00	29.00 Bottom Of Top Packer
Packer	5.00			3415.00	
Perforations	11.00			3426.00	
Recorder	1.00	8419	Inside	3427.00	
Recorder	1.00	8524	Outside	3428.00	
Bullnose	3.00			3431.00	16.00 Bottom Packers & Anchor

Total Tool Length: 45.00



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FLUID SUMMARY

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2717 CANAL BLVD SUITE C HAYS KS 67601

24-17S14W BARTON

Job Ticket: 16098

DST#: 3

ATTN: CHARLIE STURDAVANT

Test Start: 2011.02.26 @ 10:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	CLEAN GASSY OIL 20%GAS 80%OIL	1.166
120.00	HEAVY MUD CUT OIL	1.683
0.00	40%MUD 60%OIL	0.000

Total Length: 320.00 ft Total Volume: 2.849 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

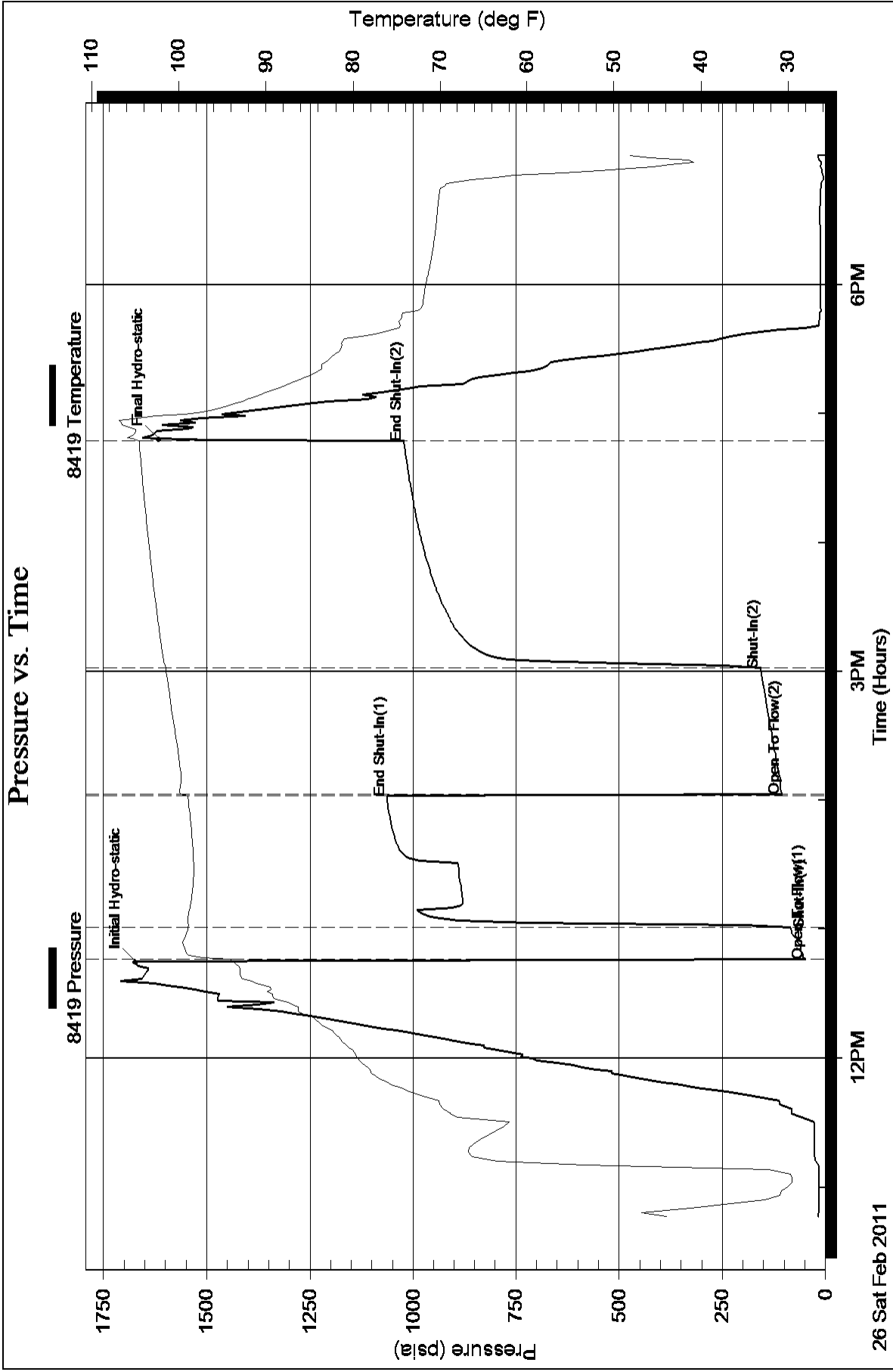
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GRAVITY OF OIL 45

Pressure vs. Time



Pressure vs. Time

