



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1055903

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Clark 5-24
Doc ID	1055903

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic



Shelby Resources L.L.C.

Clark # 5-24 /Casing Report

API#15-009-25520-000

SW-SE-NW-SW

1466' FSL & 973' FWL

Sec. 24, T17s-R14w

Barton County, Kansas

GL: 1917'

KB: 1928'

2/21/2011

Surface Casing

Spud at 10:00 p.m. on 2/19/11. Drill 12¼" hole to 914'. Ran 21 joints of new 8.5/8"-23# casing, tallied 895.27' and set at 908' KB. Cemented by Quality Cementing with 375 sx 60/40 Poz 2% gel, 3% CC. cement did circulate. Plug down at 12:00 a.m. welded straps on the bottom 3 joints and welded straps and collars on the top 5 joints.

2/27/11

Production Casing

On location @ 3:00 p.m. RIH with drill pipe and condition the hole. Laying down drill pipe and collars, Begin running 85 joints 5 ½" (15.5#) casing. Shoe joint was 21.02'. Insert @ 3487.61'. Marker joint was 7 joints off bottom and measured 21.07'. Set casing @ 3508.68' KB. Landed casing 1' off RTD 3510' and LTD, 3510'. Ran a basket on top of #1 and centralizers on #2, #4, #6, #8 and #10. Landed casing @ 9:30 p.m. (2/27/11) Circulate hole for 60 minutes to lower viscosity in mud. RU Basic Services, plug RH with 30 sx. and MH with 20 sx. Mix and pump 50 sx 60/40 Poz-Mix as scavenger flush, followed by 200 sx AA-2 cement down casing. Had good circulation throughout the job. Plug down @ 11:15 pm. and held 1500#. Release pressure and float held. Release Sterling Rig #2 @ 2:15 a.m. (2/28/11)

Scale 1:240 Imperial

Well Name: # 5-24 Clark
Surface Location: 1466 FSL, 973 FWL, Sec 24 T17S R14W
Bottom Location:
API: 15-009-25520-0000
License Number:
Spud Date: 2/19/2011 Time: 10:00 PM
Region: Barton County
Drilling Completed: 2/27/2011 Time: 1:50 AM
Surface Coordinates: 687622 & 1906630
Bottom Hole Coordinates:
Ground Elevation: 1917.00ft
K.B. Elevation: 1928.00ft
Logged Interval: 2800.00ft To: 3510.00ft
Total Depth: 3510.00ft
Formation: Arbuckle
Drilling Fluid Type: Chemical-Polymer-Gel

OPERATOR

Company: Shelby Resources, LLC
Address: 445 Union Blvd., Suite 208
Lakewood, CO 80228
Contact Geologist: Janine Sturdavant
Contact Phone Nbr: 303-907-2209
Well Name: # 5-24 Clark
Location: 1466 FSL, 973 FWL, Sec 24 T17S R14W API: 15-009-25520-0000
Pool: Sandford Field: Sandford
State: Kansas Country: USA

LOGGED BY



Charlie Sturdavant Consulting

Company: Charlie Sturdavant Consulting
Address: 920 12th Street
Golden, CO 80401
Phone Nbr: 303-907-2295
Logged By: Geologist Name: Charlie Sturdavant

ELEVATIONS

K.B. Elevation: 1928.00ft Ground Elevation: 1917.00ft
K.B. to Ground: 11.00ft

NOTES

Based on favorable DST results and log evaluations, it was recommended that 5-1/2 inch production casing be set and cemented, and that the Arbuckle should be further tested through perforations.
The dry samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.
Respectfully submitted,
Charlie Sturdavant

Charlie Sturdavant Consulting

DAILY DRILLING REPORT

DAILY DRILLING REPORT

Company: **Shelby Resources LLC**
445 Union St., Suite 208
Lakewood, CO 80228

Well: #5-24 Clark
Location: 1466' FSL & 973' FWL
Sec. 24 T17S R14W
Barton County, KS

Jim Waechter Cell: 303-478-3388
Gary Krieger Cell: 303-887-5085

Wellsite Geologist: **Charlie Sturdavant**
Cell: (303) 907-2295
Office: (303) 384-9481

Elevation: 1928' KB 1917' GL
Field: Sandford
API No.: 15-009-25520-0000
Surface Casing: 8 5/8" set @ 908' KB

Drilling Contractor: **Sterling Drilling Rig #2 620-388-5651** Tool Pusher: **Shane Downs cell: 620-388-3474**

DATE	7:00 AM DEPTH	REMARKS
2/19/2011	0 ft.	Moving into location this afternoon.
2/20/2011	560 ft.	Drilling ahead with 12-1/4" hole.
2/21/2011	915 ft.	Waiting on cement. Set 8-5/8" surface casing @ 908' KB.
2/22/2011	1900 ft.	Drilling ahead.
2/23/2011	2988 ft.	Drilling ahead. Topeka top @ 2858' (-930).
2/24/2011	3317 ft.	Conducting DST # 1, 3295'-3317', in the Lansing H zone.
2/25/2011	3422 ft.	Preparing to DST the Arbuckle.
2/26/2011	3431 ft.	Circulating for samples. Planing to DST the Arbuckle. Good shows and better porosity than yesterday's zone.
2/27/2011	3510 ft.	Conducting logging operations with Superior Well Services. Completed logging operations @ 1000 hrs. Geologist off location @ 1200 hrs.

Charlie Sturdavant Consulting

WELL COMPARISON SHEET

DRILLING WELL
Shelby Resources LLC. # 5-24 Clark
1466' FSL & 973' FWL

COMPARISON WELL
Shelby Resources LLC. # 4-24 Clark
1836' FSL & 330' FWL

COMPARISON WELL
Shelby Resources LLC, #2-24 Clark
640' FSL & 1000' FWL

Formation	Sec. 24 T17S R14W				Sec. 24 T17S R14W				Sec. 24 T17S R14W			
	1928 KB		1927 KB		1927 KB		Structural Relationship		1907 KB		Structural Relationship	
	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	884	1044	884	1044	881	1046	-2	-2	865	1042	2	2
Topeka	2858	-930	2854	-926	2852	-925	-5	-1	2836	-929	-1	3
Heebner	3094	-1166	3092	-1164	3088	-1161	-5	-3	3073	-1166	0	2
Toronto	3108	-1180	3106	-1178	3102	-1175	-5	-3	3088	-1181	1	3
Brown Lime	3168	-1240	3167	-1239	3162	-1235	-5	-4	3149	-1242	2	3
Lansing	3178	-1250	3178	-1250	3174	-1247	-3	-3	3158	-1251	1	1
Lansing G	3238	-1310	3241	-1313	3232	-1305	-5	-8	3219	-1312	2	-1
Lansing H	3306	-1378	3306	-1378	3300	-1373	-5	-5	3288	-1381	3	3
Base KC	3380	-1452	3379	-1451	3376	-1449	-3	-2	3360	-1453	1	2
Arbuckle	3414	-1486	3412	-1484	3407	-1480	-6	-4	3394	-1487	1	3
Total Depth	3510	-1582	3410	-1482	3550	-1623	41	141	3490	-1583	1	101

Drill Stem Test # 1, 3295'-3317', Lansing H



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C
 2717 CANAL BLVD SUITE C HAYS KS 67601
 A TTN: CHARLIE STURDAVANT

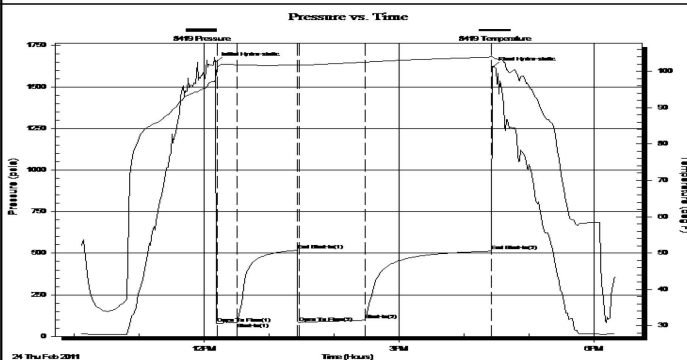
CLARK #5-24
24-17S14W BARTON
 Job Ticket: 16096 **DST#: 1**
 Test Start: 2011.02.24 @ 10:06:00

GENERAL INFORMATION:

Formation: **LANSING H ZONE**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:12:30
 Time Test Ended: 18:19:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: JARED SCHECK
 Unit No: 3320-20-GREATBEND
 Interval: ft (KB) To ft (KB) (TVD)
 Total Depth: 3317.00 ft (KB) (TVD) Reference Elevations: 1928.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 11.00 ft

Serial #: 8419 **Inside**
 Press@RunDepth: 97.31 psia @ 3313.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.02.24 End Date: 2011.02.24 Last Calib.: 2011.02.24
 Start Time: 10:06:00 End Time: 18:19:30 Time On Btm: 2011.02.24 @ 12:10:30
 Time Off Btm: 2011.02.24 @ 16:26:30

TEST COMMENT: 15/INITIAL OPEN:WEAK BLOW BUILT 6 INCHES INTO WATER IN 15 MINUTES
 60/INITIAL SHUT IN :NO SIGN OF BLOW BACK
 60/FINAL OPEN:WEAK BLOW BUILT BOTTOM OF BUCKET IN 43 MINUTES
 120/FINAL SHUT IN:NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1649.46	97.81	Initial Hydro-static
2	77.68	101.28	Open To Flow (1)
20	81.33	101.81	Shut-In(1)
76	519.17	101.81	End Shut-In(1)
77	84.20	101.74	Open To Flow (2)
138	97.31	102.58	Shut-In(2)
255	512.82	103.99	End Shut-In(2)
256	1618.29	104.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GASSY OIL CUT MUD	0.30
0.00	20% GAS 30% OIL 50% MUD	0.00
60.00	GASSY OILY MUD	0.30
0.00	10% GAS 30% OIL 60% MUD	0.00
60.00	GAS IN PIPE 100% GAS	0.30

Gas Rates

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

Superior Testers Enterprises LLC

Ref. No: 16096

Printed: 2011.02.24 @ 18:38:58

Drill Stem Test # 2, 3375'-3422', Arbuckle



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: 16097

DST#: 2

Test Start: 2011.02.25 @ 12:03:00

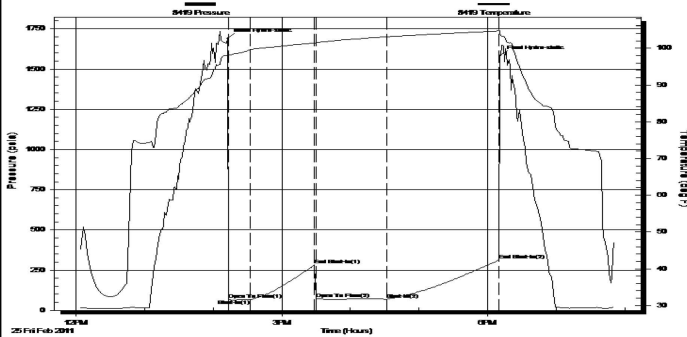
GENERAL INFORMATION:

Formation: **ARBUCKLE**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:13:30
 Time Test Ended: 19:50:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: JARED SCHECK
 Unit No: 3320-20-GREAT BEND
 Interval: ft (KB) To ft (KB) (TVD)
 Total Depth: 3422.00 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: 69.61 psia @ 3418.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.02.25 End Date: 2011.02.25 Last Calib.: 2011.02.25
 Start Time: 12:03:00 End Time: 19:50:30 Time On Btm: 2011.02.25 @ 14:12:30
 Time Off Btm: 2011.02.25 @ 18:11:00

TEST COMMENT: 15/INITIAL OPEN:WEAK BUT BUILDING BLOW BUILT 1 1/4 INTO WATER IN 15 MINUTES
 60/INITIAL SHUT IN:VERY WEAK SURFACE BLOW
 60/FINAL OPEN:VERY WEAK SURFACE BLOW STAYED STEADY THROUGHOUT OPEN
 90/FINAL SHUT IN:VERY WEAK SURFACE BLOW

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1690.98	98.08	Initial Hydro-static
1	69.27	98.03	Open To Flow (1)
20	66.85	99.55	Shut-In(1)
76	281.07	101.41	End Shut-In(1)
78	73.20	101.50	Open To Flow (2)
140	69.61	103.09	Shut-In(2)
237	311.01	104.67	End Shut-In(2)
239	1582.64	103.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SPOT OIL CUT MUD 1% OIL 99% MUD	0.07

Gas Rates

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

Superior Testers Enterprises LLC

Ref. No: 16097

Printed: 2011.02.25 @ 20:09:12

Drill Stem Test # 3, 3415'-3431', Arbuckle



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: 16097

DST#: 2

Test Start: 2011.02.25 @ 12:03:00



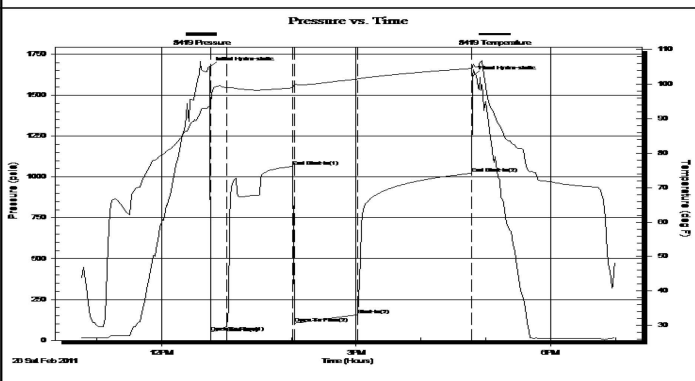
SHELBY RESOURCES L.L.C.
 2717 CANAL BLVD SUITE C HAYS KS 67601
 ATTN: CHARLIE STURDAVANT

CLARK #5-24
24-17S14W BARTON
 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) 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 @ 12:44:30
 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)

Superior Testers Enterprises LLC Ref. No: 16098 Printed: 2011.02.26 @ 19:26:52

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 687622
 E/W Co-ord: 1906630

CONTRACTOR

Contractor: Sterling Drilling
 Rig #: 2
 Rig Type: Rotary Mud
 Spud Date: 2/19/2011 Time: 10:00 PM
 TD Date: 2/27/2011 Time: 1:50 AM
 Rig Release: 2/28/2011 Time: 7:00 AM

ROCK TYPES

Cht vari	Lmst fw<7	shale, gry	Ss
Congl	Lmst fw>7	Carbon Sh	Stst
Dolsec	shale, grn	shale, red	

ACCESSORIES

MINERAL	FOSSIL	STRAT./SED. STRUCTS	STRINGER	TEXTURE
⊥ Calcareous	∇ Brachiopods	Stylolite	••• Siltstone	L Lithogr
⊙ Chert, dark	⊙ Bryozoa	Stylolite	▬ Shale	

- ▲ Chert, dark
- △ Chert White
- ∩ Glauconite
- P Pyrite
- Sandy
- Mc Mica
- ⊖ Bryozoa
- Crinoids
- F Fossils < 20%
- ⊕ Fossilinid
- ⊖ Oolite
- ⊕ Oomoldic
- Oolites
- ⊕ Pellets

Stylolites — Shale

OTHER SYMBOLS

EVENTS

- ⌋ Casing Shoe
- ▶ RTF
- ▶ Sidewall
- ▶ Left Casing Shoe
- ▼ Right Casing Shoe

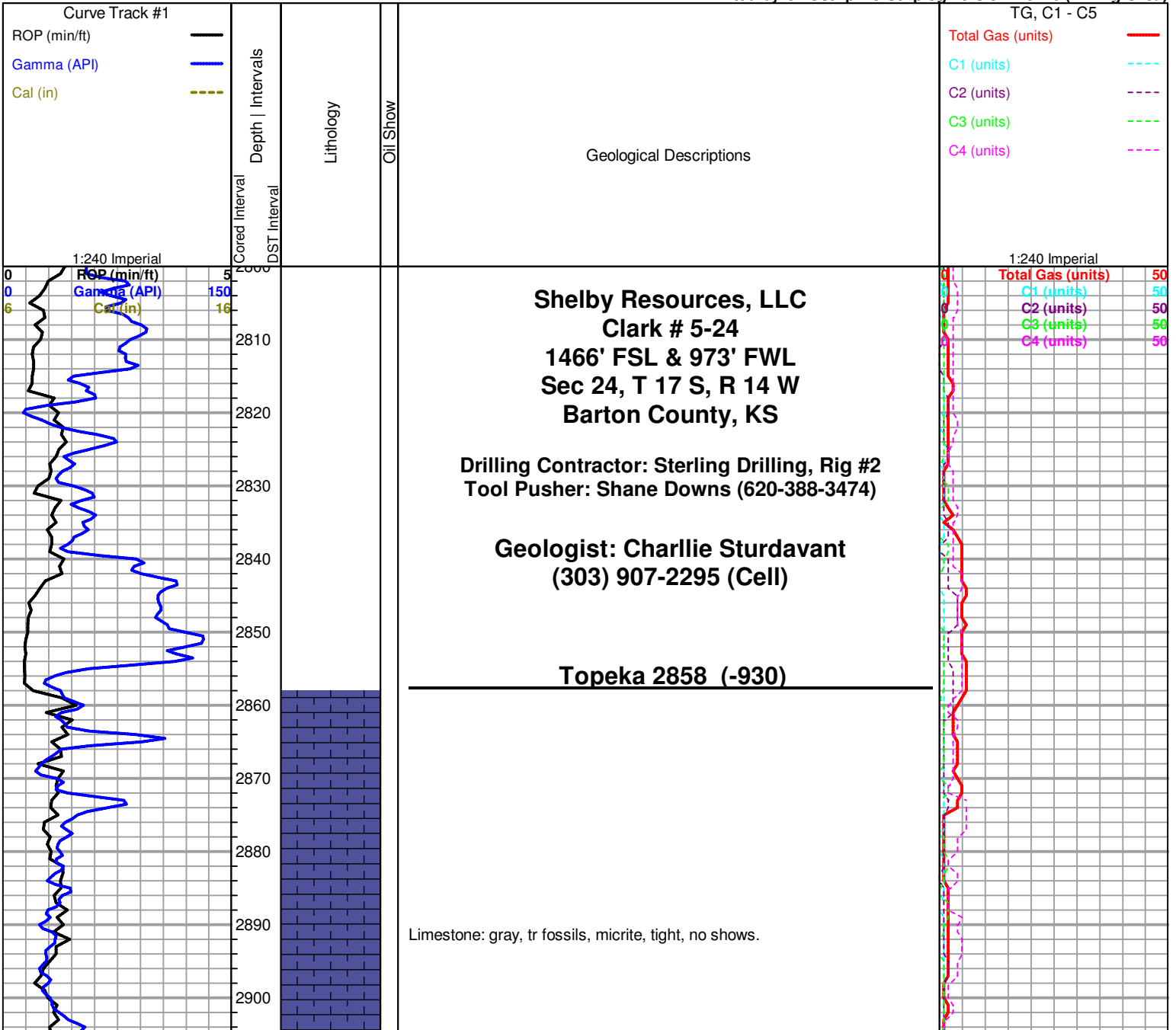
INTERVALS

- Core
- DST

MISC

- DR Daily Report
- 📷 Digital Photo
- 📄 Document
- 📁 Folder
- 🔗 Link
- 📊 Vertical Log File
- 📊 Horizontal Log File
- 📊 Core Log File
- 📊 Drill Cuttings Rpt

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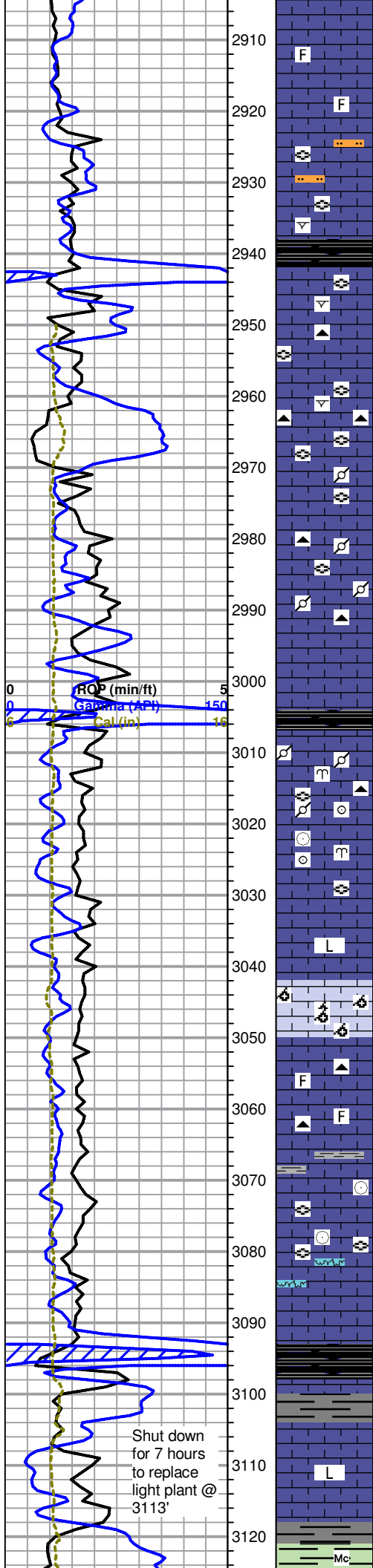
Shelby Resources, LLC
Clark # 5-24
1466' FSL & 973' FWL
Sec 24, T 17 S, R 14 W
Barton County, KS

Drilling Contractor: Sterling Drilling, Rig #2
Tool Pusher: Shane Downs (620-388-3474)

Geologist: Charlie Sturdavant
(303) 907-2295 (Cell)

Topeka 2858 (-930)

Limestone: gray, tr fossils, micrite, tight, no shows.



Limestone: gray to lt tan micrite, and tan to lt brown fossiliferous packstone to wackestone, tight, no shows.

Limestone, gray to lt tan, fossiliferous, brachiopods, fussionids, packstone to wackestone. Lt tan micrite, and brown to gray siltstone stringers.

King Hill Shale 2938 (-1010)

Shale: black, carbonaceous, dolomitic.

Limestone: gray to lt gray, fossiliferous, fussionids, brachiopods, wackestone to non-foss mudstone, tight, no shows.

Limestone: lt grayish-tan, fossiliferous, fussionids, tr pellets in some frags, wackestone. Chert: gray, vitreous w/ conchoidal fractures. Some thin shale laminations.

Sponge spicules.

Queen Hill Shale 3004 (-1076)

Shale: black, carbonaceous, dolomitic.

Limestone: lt tan, pelletal wackestone to fussionid-bearing wackestone. Tr gray to dark gray, vitreous chert. 3 fragments of Ls w/ oil staining, no flour, but instant streaming cut. The oil is very live and fluid, dripping from the med-xln porosity. Faint oil aroma in the sample cup. Some oil shows in the sparry portions of micrite. Tr lt gray, vitreous chert. Ls has bryozoans, crinoids, fussionids, and isolated oolites in micrite.

Limestone: lt gray to lt tan to cream, crypto-xln, lithographic micrite.

Limestone: oolitic grainstone w/ oomoldic porosity and oil staining, free live oil, no fluor, but instant streaming cut, and aroma in sample cup.

Limestone: lt tan to lt grayish-tan micrite to sli foss. wackestone, sli argillaceous in parts. Abundant gray to lt gray to tan, vitreous, fossiliferous chert. No shows. Tr reddish-brown f-xln ls w/ fair inter-xln porosity. No shows.

Limestone w/ thin, brown shale laminations.

Limestone: cream to lt gray, fussionids, crinoids, mudstone to wackestone, lithographic w/ pods of porosity in the sparry patches. Thin shale lams, stylolites, slightly chalky fragments. Tr lt gray, fossiliferous, vitreous chert.

Heebner 3093 (-1165)

Toronto 3106 (-1178)

Limestone: cream to white, micro- to crypto-xln, chalky in part, mostly dense and hard, lithographic, micrite, no shows.

Douglas 3118 (-1190)

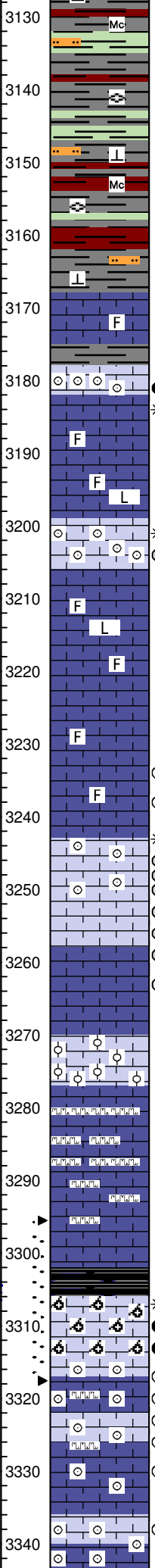
Shale: gray, greenish-gray, reddish-brown, lt brown, lt brown, yellow ochre

Total Gas (units)	50
C1 (units)	50
C2 (units)	50
C3 (units)	50
C4 (units)	50

Mud-Co mud check @ 3017 ft.
 0735 hrs 2/23/2011
 Vis 63, Wt 9.1
 PV 22, YP 19
 WL 7.2, Cake 1/32
 pH 11.5, Ca 20 ppm
 CHL 3,000 ppm
 Sol 5.6
 DMC \$2637.50
 CMC \$6637.15

Shut down for 7 hours to replace light plant @ 3113'

Shale: gray, greenish-gray, reddish-brown, lt brown, lt brown, yellow ochre, calcareous to non-calc, tr fossil frags, micaceous, tr silt.



CFS @ 3252'
ROP (min/ft) 5
Gamma (API) 150
Cal (in) 16

Switch to short-toothed button bit after DST # 1. Slower drilling.

CFS @ 3313'
DST # 1
CFS @ 3317'

Brown Lime 3168 (-1240)

Limestone: brown, foss., micro- to crypto-xln wackestone, tr py. No sh

Lansing 3178 (-1250)

Limestone: oolitic grainstone, w/ oolitic, inter-oolitic and oomoldic porosity, and light brown oil staining, bleading gas, bright yellow fluorescence with instant, streaming yellow cut. Some staining in med-xln porosity w/o oolites.

Limestone: Cream, fossiliferous, packstone w/ translucent, vitreous, clear to reddish-brown to tan chert. Also Ls: cream, micro- to crypto-xln, dense, lithographic micrite.

Limestone: cream, oolitic grainstone, with good inter-oolite porosity to sli vuggy and light oil staining, bright yellow fluor, slow cut

Some fragments show bleading gas. The rock becomes tighter and more finely-xln with depth, becoming micrite with isolated oolites and some secondary sparry calcite...lithographic.

trace of fossil debris in mud matrix.

Limestone: cream to lt gray, sli fossiliferous, spotty inter-xln por. in a mictitic matrix, but with spotty staining in the porosity. Micrite to wackestone. Dull yellow fluor, but instant streaming bright yellow cut.

Lansing "G" Zone 3243 (-1315)

Limestone cream to lt tan to lt gray, oolitic grainstone with oomoldic and interoolitic porosity, oil staining and gas bubbles bleading from the pores. Bright yellow fluor, and instant streaming cut. Very strong oil aroma in the sample cup.

Limestone: cream to tan, tr fossiliferous, tr spotty inter-xln porosity, fracture porosity with oil staining along fracture surfaces and in any small porous patch. Matrix is becoming more micritic.

Tight oolitic grainstone, well-cemented, no shows.

Limestone: tan to brown, stylolitic micrite, tight, dense, no porosity, no shows.

Shale: black, carbonaceous, dolomitic.

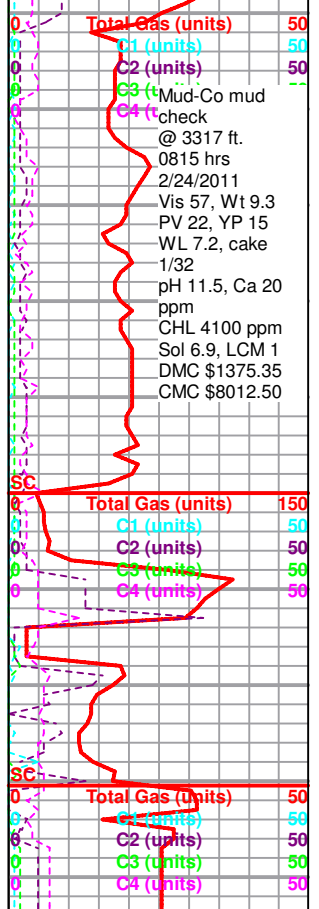
Lansing "H" Zone 3306 (-1378)

Limestone: cream, oolitic grainstone, oomoldic porosity with dark oil saturation, strong oil aroma, dull yellow fluor, but instant streaming cut. Some fragments of micrite with oil staining along fractures. Some oolitic molds are fillles with a light brown oil stain.

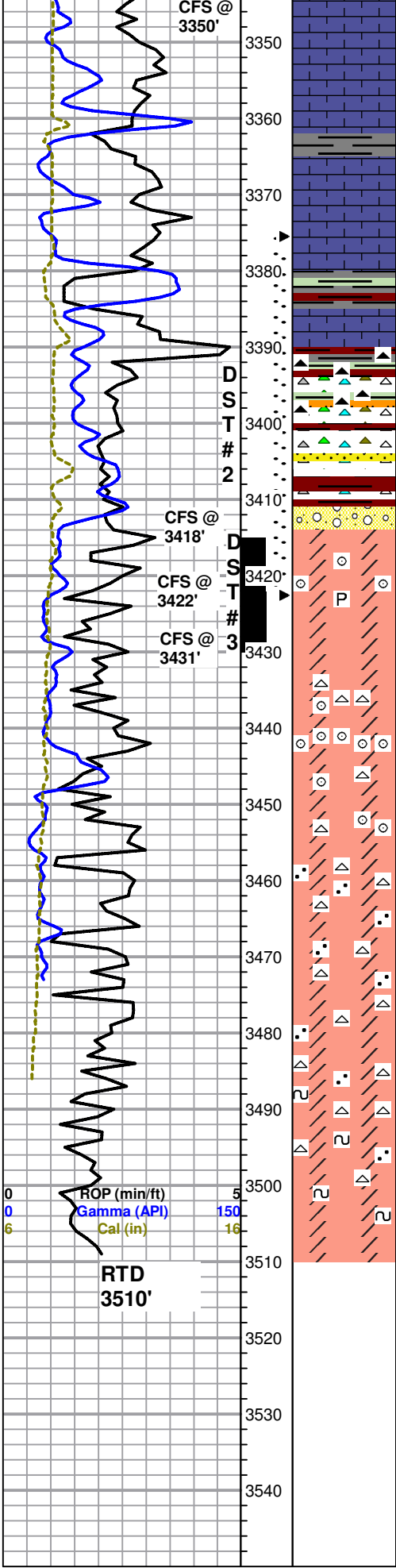
CLARK#5-24DST#1.pdf

Limestone: cream, micro- to crypto-xln micrite with fracturing and streaky oil staining in what looks like stylolites. Some staining is in sparry zones in a lithographic ls, others are in inter-xln/inter-oolite por. with the oolites being well-cemented, leaving little por. The oil is live in some fragments and dead in others. Weak, dull yellow fluor. Weak, slow cut. Probably the lower part of the oil zone above.

Limestone: oolitic grainstone, some oomoldic porosity and live oil staining in a few fragment. Most of the sample is tan to brown dense micrite with no shows. Also some well-cemented oolitic grainstone w/ no por.



Mud-Co mud check @ 3317 ft. 0815 hrs 2/24/2011 Vis 57, Wt 9.3 PV 22, YP 15 WL 7.2, cake 1/32 pH 11.5, Ca 20 ppm CHL 4100 ppm Sol 6.9, LCM 1 DMC \$1375.35 CMC \$8012.50



Limestone: cream to tan to brown, crypto-xln, micrite, dense, tight, no shows. Some of the lighter colored ls is chalky.

Limestone: cream, crypto-xln, micrite w/ sparry patches that have spotty, live oil staining. Some secondary, re-crystallized porosity. Most has no oil stain. Faint oil aroma in sample cup. Tr tight oolite grainstone.

Base KC 3380 (-1452)

Shale: vari-colored, mostly gray and red.

Conglomerate: vari-colored shales, limestones, some oolitic, some micritic, some arenaceous, some reddish from subareal exposure, some bryozoan, all with spotty, dark, heavy to dead oil staining. Weak dull yellow fluor, good cut. No odor in sample cup. Lt greenish-gray qtz-rich siltstone. F-gr, mature sandstone w/ carbonate cement. Red, tan and clear, vitreous chert.

Clark#5-24DST#2.pdf

Arbuckle 3414 (-1486)

Dolomite: cream to lt grayish-tan, rhombic crystalline to succrosic to oolitic, all with spotty, to fully saturated w/ light oil, very strong hydrocarbon odor, Fluorescence, but mainly mineral. Weak cut is enhanced w/ application of HCl.

CLARK#5-24DST#3.pdf

Dolomite: cream to lt grayish-tan, fair inter-xln porosity in a succrosic texture, rhombic crystals to .5mm. Very strong hydrocarbon aroma in sample cup, nearly 100% oil saturation of porosity, dull yellow fluor, slow cut is enhanced w/ HCl.

Dolomite: as above, w/ oolitic streaks, pyrite. Vitreous, oolitic chert, white to cream, and white, non-oolitic.

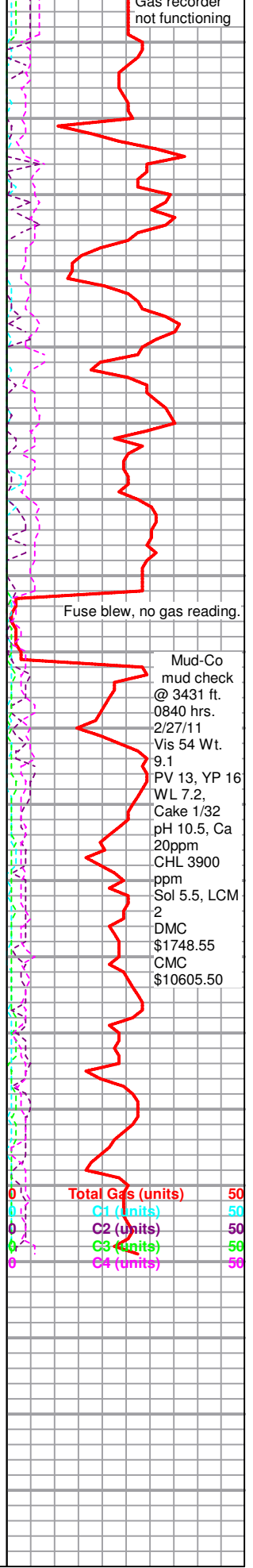
Dolomite: cream to lt tan, succrosic, finely-xln, no shows. Tr white chert. Tr lt tan oolitic chert. Becoming micritic with depth. Some fragments are sli arenaceous w/ f-gr, well-rounded qtz grains.

Dolomite: lt tan, f-xln to micro-xln, porosity is decreasing. Tr of glauconite in some fragments give a lt green color.

Dolomite: lt tan, micro- to rhombic-xln, rhombs to 0.3mm, some succrosic. No shows.

RTD 3510 (-1582)

Rotary TD 3510' @ 0150 hrs 2/27/2011
 Superior Well Service Log TD 3510
 Completed logging operations @ 1000 hrs.



Fuse blew, no gas reading.

Mud-Co
 mud check
 @ 3431 ft.
 0840 hrs.
 2/27/11
 Vis 54 Wt.
 9.1
 PV 13, YP 16
 WL 7.2,
 Cake 1/32
 pH 10.5, Ca
 20ppm
 CHL 3900
 ppm
 Sol 5.5, LCM
 2
 DMC
 \$1748.55
 CMC
 \$10605.50

Total Gas (units) 50
 C1 (units) 50
 C2 (units) 50
 C3 (units) 50
 C4 (units) 50

CLARK#5-24DST#1.pdf

Clark#5-24DST#2.pdf

CLARK#5-24DST#3.pdf



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: 2011.02.24 @ 10:06:00

End Date: 2011.02.24 @ 18:19:30

Job Ticket #: 16096 DST #: 1

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

Printed: 2011.02.24 @ 18:38:58

SHELBY RESOURCES L.L.C

CLARK #5-24

24-17S14W BARTON

DST # 1

LANSING H ZONE

2011.02.24



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C
 2717 CANAL BLVD SUITE C HAYS KS 67601
 ATTN: CHARLIE STURDAVANT

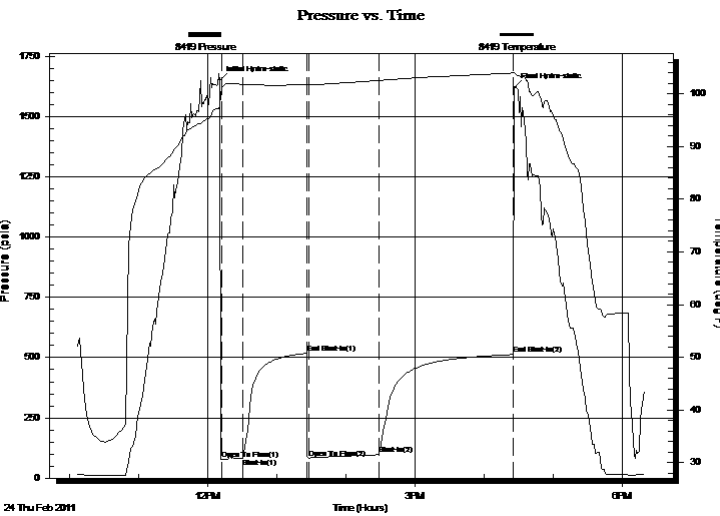
CLARK #5-24
24-17S14W BARTON
 Job Ticket: 16096 **DST#: 1**
 Test Start: 2011.02.24 @ 10:06:00

GENERAL INFORMATION:

Formation: **LANSING H ZONE**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:12:30
 Time Test Ended: 18:19:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: JARED SCHECK
 Unit No: 3320-20-GREATBEND
 Interval: ft (KB) To ft (KB) (TVD)
 Total Depth: 3317.00 ft (KB) (TVD)
 Reference Elevations: 1928.00 ft (KB)
 1917.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 KB to GR/CF: 11.00 ft

Serial #: 8419 **Inside**
 Press@RunDepth: 97.31 psia @ 3313.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.02.24 End Date: 2011.02.24 Last Calib.: 2011.02.24
 Start Time: 10:06:00 End Time: 18:19:30 Time On Btm: 2011.02.24 @ 12:10:30
 Time Off Btm: 2011.02.24 @ 16:26:30

TEST COMMENT: 15/INITIAL OPEN:WEAK BLOW BUILT 6 INCHES INTO WATER IN 15 MINUTES
 60/INITIAL SHUT IN :NO SIGN OF BLOW BACK
 60/FINAL OPEN:WEAK BLOW BUILT BOTTOM OF BUCKET IN 43 MINUTES
 120/FINAL SHUT IN:NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1649.46	97.81	Initial Hydro-static
2	77.68	101.28	Open To Flow (1)
20	81.33	101.81	Shut-In(1)
76	519.17	101.81	End Shut-In(1)
77	84.20	101.74	Open To Flow (2)
138	97.31	102.58	Shut-In(2)
255	512.82	103.99	End Shut-In(2)
256	1618.29	104.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GASSY OIL CUT MUD	0.30
0.00	20%GAS 30%OIL50 %MUD	0.00
60.00	GASSY OILY MUD	0.30
0.00	10%GAS 30%OIL 60%MUD	0.00
60.00	GAS IN PIPE 100%GAS	0.30

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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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: 16096

DST#: 1

Test Start: 2011.02.24 @ 10:06:00

GENERAL INFORMATION:

Formation: **LANSING H ZONE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:12:30

Time Test Ended: 18:19:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-20-GREATBEND

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

Reference Elevations: 1928.00 ft (KB)

Total Depth: 3317.00 ft (KB) (TVD)

1917.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 8524

Outside

Press@RunDepth: 513.21 psia @ 3314.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.02.24

End Date:

2011.02.24

Last Calib.:

2011.02.24

Start Time: 10:06:00

End Time:

18:19:30

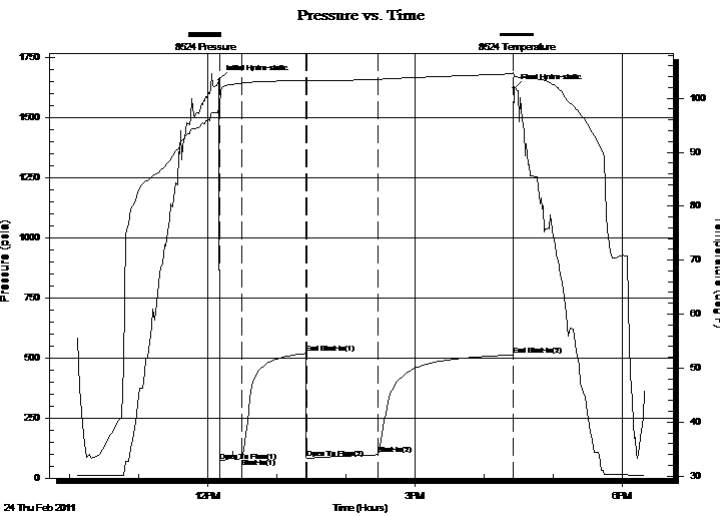
Time On Btm:

2011.02.24 @ 12:10:00

Time Off Btm:

2011.02.24 @ 16:26:00

TEST COMMENT: 15/INITIAL OPEN:WEAK BLOW BUILT 6 INCHES INTO WATER IN 15 MINUTES
 60/INITIAL SHUT IN :NO SIGN OF BLOW BACK
 60/FINAL OPEN:WEAK BLOW BUILT BOTTOM OF BUCKET IN 43 MINUTES
 120/FINAL SHUT IN:NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1657.82	98.28	Initial Hydro-static
1	69.83	98.68	Open To Flow (1)
20	80.72	102.80	Shut-In(1)
75	519.72	103.24	End Shut-In(1)
76	83.59	103.22	Open To Flow (2)
138	97.67	103.53	Shut-In(2)
255	513.21	104.55	End Shut-In(2)
256	1622.03	104.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GASSY OIL CUT MUD	0.30
0.00	20%GAS 30%OIL50 %MUD	0.00
60.00	GASSY OILY MUD	0.30
0.00	10%GAS 30%OIL 60%MUD	0.00
60.00	GAS IN PIPE 100%GAS	0.30

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C
 2717 CANAL BLVD SUITE C HAYS KS 67601
 ATTN: CHARLIE STURDAVANT

CLARK #5-24
24-17S14W BARTON
 Job Ticket: 16096 **DST#: 1**
 Test Start: 2011.02.24 @ 10:06:00

Tool Information

Drill Pipe:	Length: 3101.00 ft	Diameter: 3.80 inches	Volume: 43.50 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: 44.39 bbl</u>	Tool Chased 8.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3295.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: TOOL CHASED 8 FEET TO BOTTOM

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3267.00	
Shut-In Tool	5.00			3272.00	
Hydraulic Tool	5.00			3277.00	
Jars	6.00			3283.00	
Safety Joint	2.00			3285.00	
Packer	5.00			3290.00	29.00 Bottom Of Top Packer
Packer	5.00			3295.00	
Perforations	17.00			3312.00	
Recorder	1.00	8419	Inside	3313.00	
Recorder	1.00	8524	Outside	3314.00	
Bullnose	3.00			3317.00	22.00 Bottom Packers & Anchor

Total Tool Length: 51.00



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C

CLARK #5-24

2717 CANAL BLVD SUITE C HAYS KS 67601

24-17S14W BARTON

Job Ticket: 16096

DST#: 1

ATTN: CHARLIE STURDAVANT

Test Start: 2011.02.24 @ 10:06:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GASSY OIL CUT MUD	0.295
0.00	20%GAS 30%OIL50 %MUD	0.000
60.00	GASSY OILY MUD	0.295
0.00	10%GAS 30%OIL 60%MUD	0.000
60.00	GAS IN PIPE 100%GAS	0.295

Total Length: 180.00 ft Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

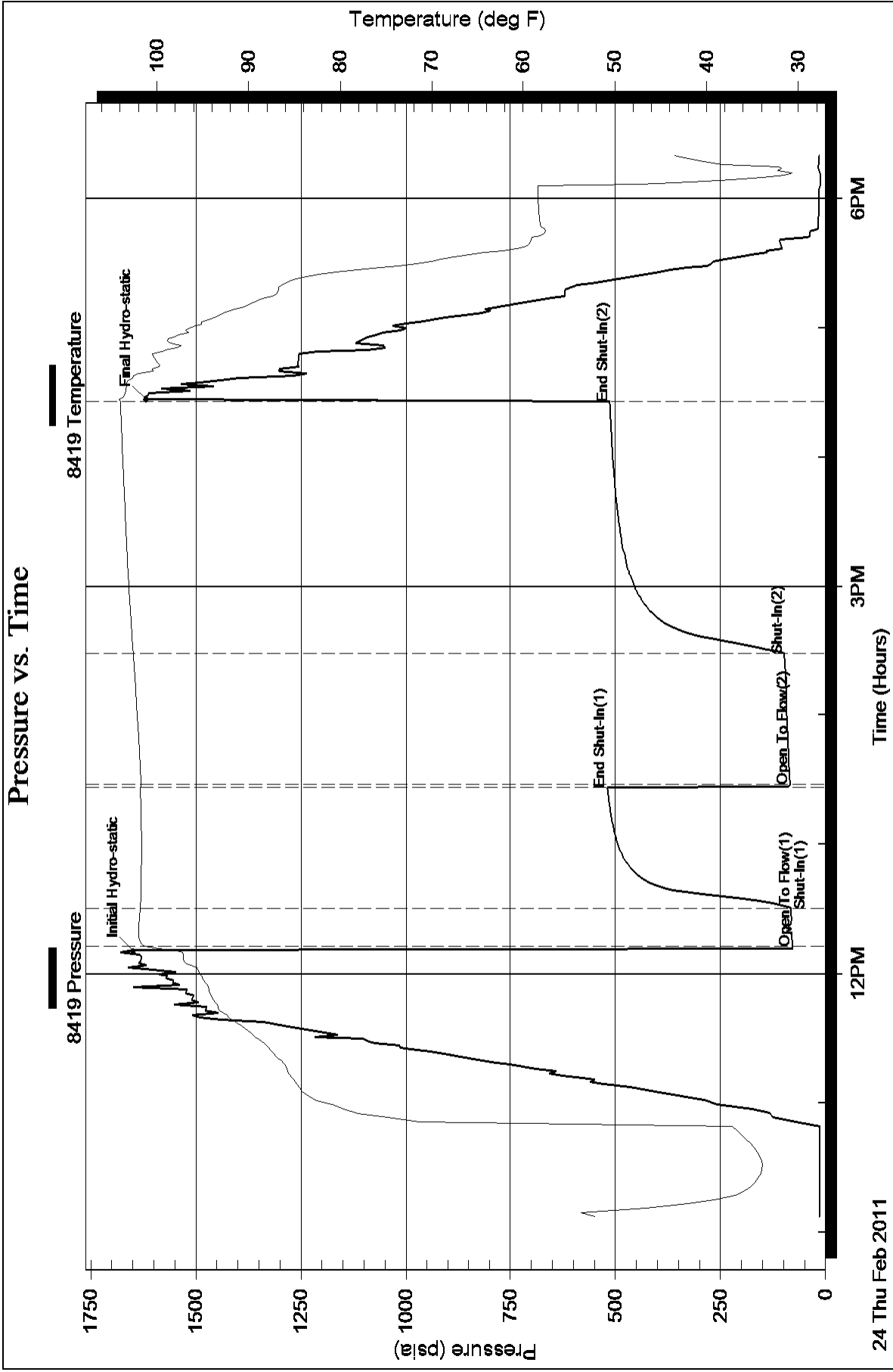
Serial #:

Laboratory Name:

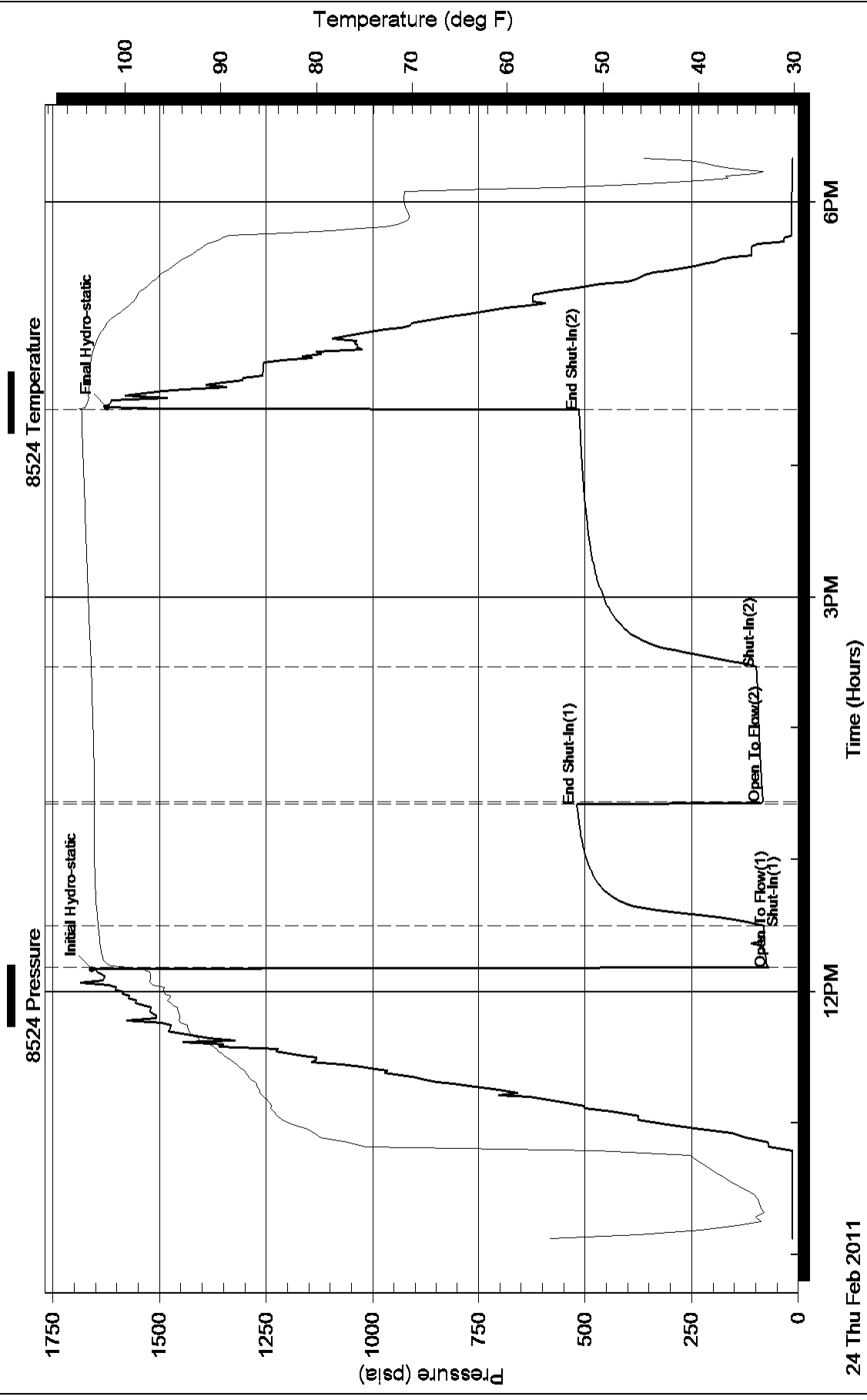
Laboratory Location:

Recovery Comments: TOOL CHASED 8 FEET TO BOTTOM

Pressure vs. Time



Pressure vs. Time





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: 2011.02.25 @ 12:03:00

End Date: 2011.02.25 @ 19:50:30

Job Ticket #: 16097 DST #: 2

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

Printed: 2011.02.25 @ 20:09:11

SHELBY RESOURCES L.L.C
CLARK #5-24
24-17S14W BARTON
DST # 2
ARBUCKLE
2011.02.25



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: 16097

DST#: 2

Test Start: 2011.02.25 @ 12:03:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:13:30

Time Test Ended: 19:50:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-20-GREAT BEND

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

Reference Elevations: 1928.00 ft (KB)

Total Depth: 3422.00 ft (KB) (TVD)

1917.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8419

Inside

Press@RunDepth: 69.61 psia @ 3418.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.02.25

End Date: 2011.02.25

Last Calib.: 2011.02.25

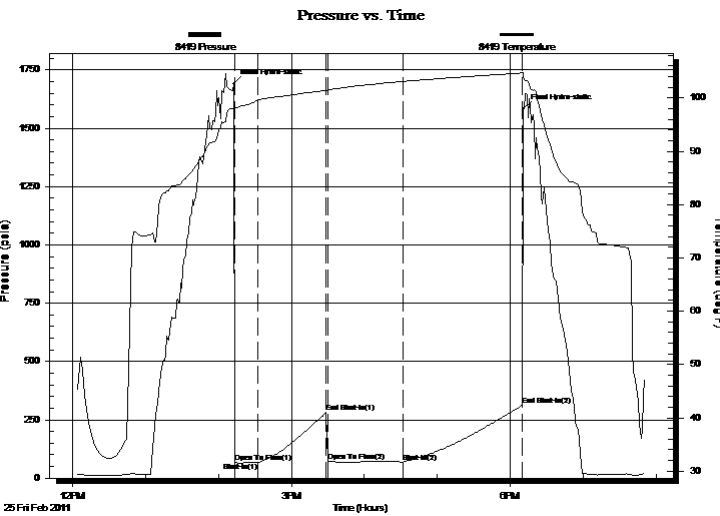
Start Time: 12:03:00

End Time: 19:50:30

Time On Btm: 2011.02.25 @ 14:12:30

Time Off Btm: 2011.02.25 @ 18:11:00

TEST COMMENT: 15/INITIAL OPEN:WEAK BUT BUILDING BLOW BUILT 1 1/4 INTO WATER IN 15 MINUTES
 60/INITIAL SHUT IN:VERY WEAK SURFACE BLOW
 60/FINAL OPEN:VERY WEAK SURFACE BLOW STAYED STEADY THROUGHOUT OPEN
 90/FINAL SHUT IN:VERY WEAK SURFACE BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1690.98	98.08	Initial Hydro-static
1	69.27	98.03	Open To Flow (1)
20	66.85	99.55	Shut-In(1)
76	281.07	101.41	End Shut-In(1)
78	73.20	101.50	Open To Flow (2)
140	69.61	103.09	Shut-In(2)
237	311.01	104.67	End Shut-In(2)
239	1582.64	103.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SPOT OIL CUT MUD 1%OIL 99%MUD	0.07

Gas Rates

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



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: 16097

DST#: 2

Test Start: 2011.02.25 @ 12:03:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:13:30

Time Test Ended: 19:50:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-20-GREAT BEND

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

Reference Elevations: 1928.00 ft (KB)

Total Depth: 3422.00 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: 313.54 psia @ 3419.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.02.25

End Date: 2011.02.25

Last Calib.: 2011.02.25

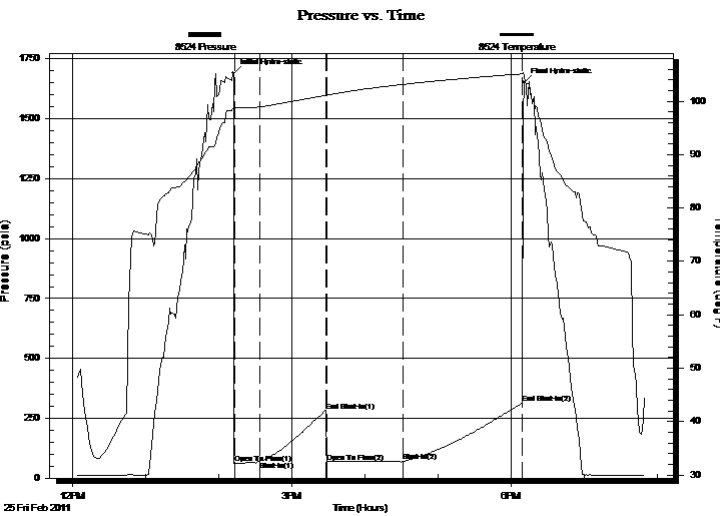
Start Time: 12:03:00

End Time: 19:50:00

Time On Btm: 2011.02.25 @ 14:12:00

Time Off Btm: 2011.02.25 @ 18:10:30

TEST COMMENT: 15/INITIAL OPEN:WEAK BUT BUILDING BLOW BUILT 1 1/4 INTO WATER IN 15 MINUTES
 60/INITIAL SHUT IN:VERY WEAK SURFACE BLOW
 60/FINAL OPEN:VERY WEAK SURFACE BLOW STAYED STEADY THROUGHOUT OPEN
 90/FINAL SHUT IN:VERY WEAK SURFACE BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1689.23	98.81	Initial Hydro-static
1	60.19	98.75	Open To Flow (1)
22	69.88	98.95	Shut-In(1)
76	281.03	101.11	End Shut-In(1)
77	68.09	101.14	Open To Flow (2)
140	69.86	103.17	Shut-In(2)
237	313.54	105.14	End Shut-In(2)
239	1652.30	105.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SPOT OIL CUT MUD 1%OIL 99%MUD	0.07

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: 16097

DST#: 2

ATTN: CHARLIE STURDAVANT

Test Start: 2011.02.25 @ 12:03:00

Tool Information

Drill Pipe:	Length: 3197.00 ft	Diameter: 3.80 inches	Volume: 44.85 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: 45.74 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3375.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.00 ft				
Tool Length:	76.00 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			3347.00	
Shut-In Tool	5.00			3352.00	
Hydraulic Tool	5.00			3357.00	
Jars	6.00			3363.00	
Safety Joint	2.00			3365.00	
Packer	5.00			3370.00	29.00 Bottom Of Top Packer
Packer	5.00			3375.00	
Change Over Sub	0.75			3375.75	
Drill Pipe	31.50			3407.25	
Change Over Sub	0.75			3408.00	
Perforations	9.00			3417.00	
Recorder	1.00	8419	Inside	3418.00	
Recorder	1.00	8524	Outside	3419.00	
Bullnose	3.00			3422.00	47.00 Bottom Packers & Anchor

Total Tool Length: 76.00



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C

CLARK #5-24

2717 CANAL BLVD SUITE C HAYS KS 67601

24-17S14W BARTON

Job Ticket: 16097

DST#: 2

ATTN: CHARLIE STURDAVANT

Test Start: 2011.02.25 @ 12:03:00

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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 4900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SPOT OIL CUT MUD 1%OIL 99%MUD	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

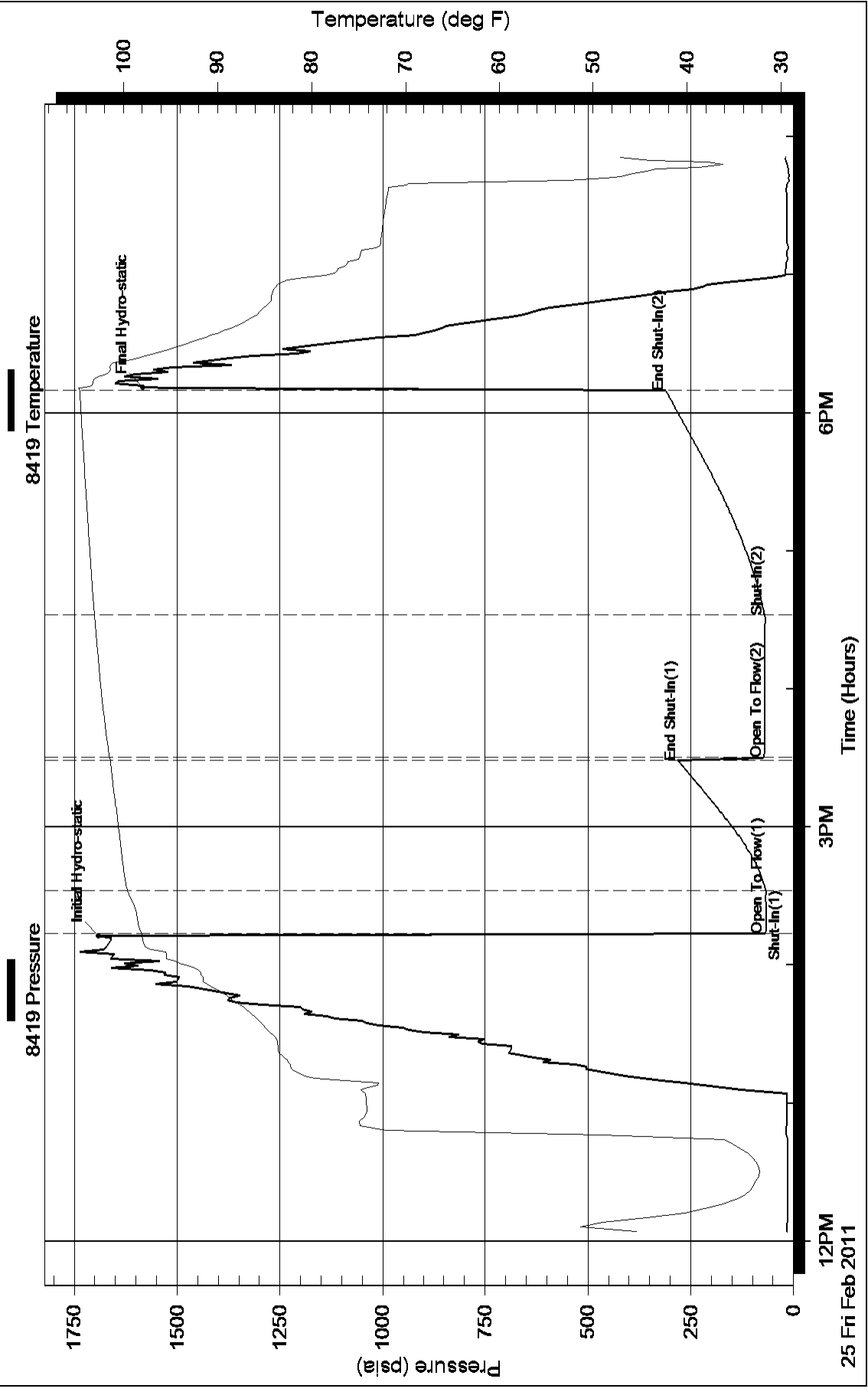
Serial #:

Laboratory Name:

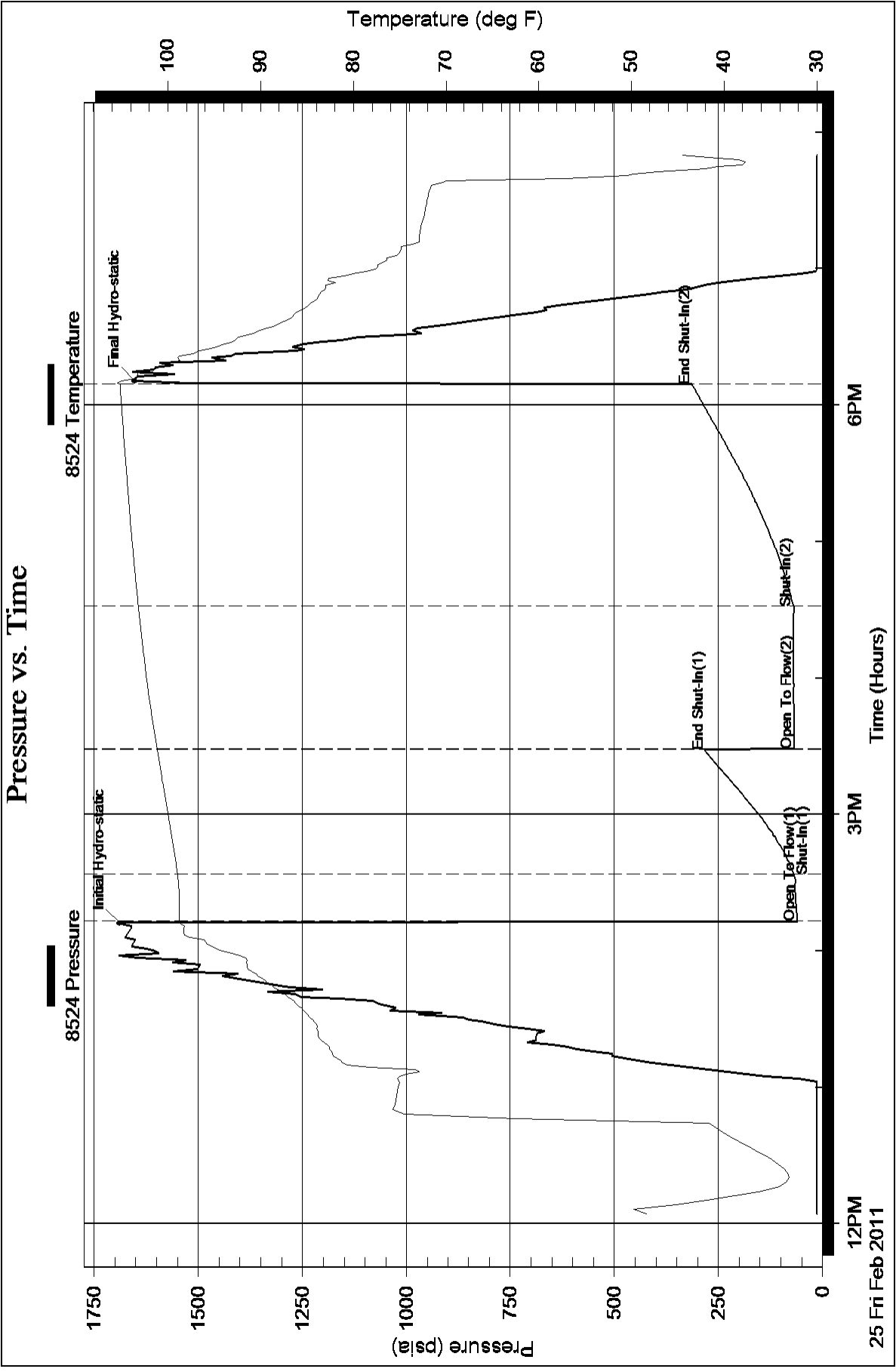
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time



12PM
25 Fri Feb 2011

3PM
6PM



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

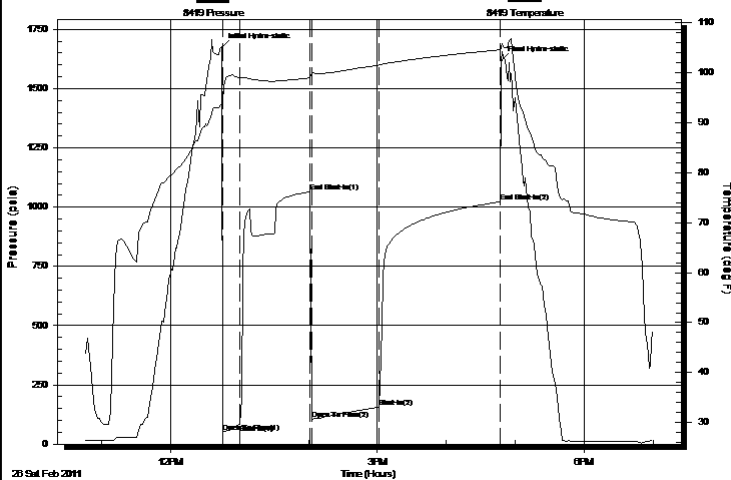
Last Calib.: 2011.02.26

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 vs. Time



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)



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)

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

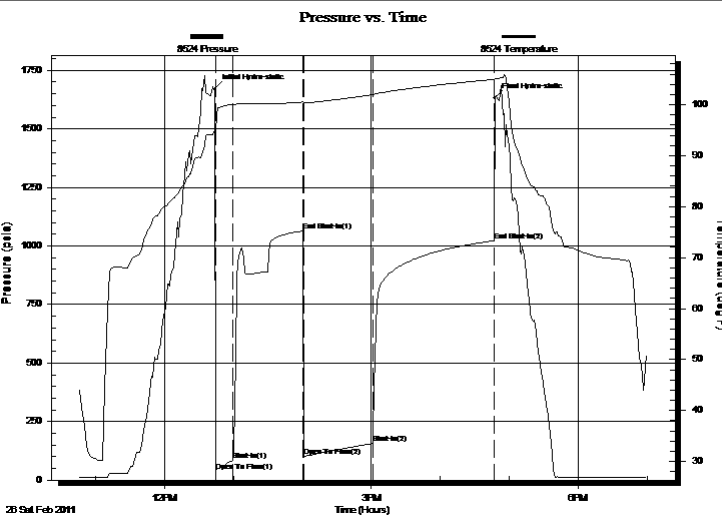
Start Time: 10:45:00

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
 2717 CANAL BLVD SUITE C HAYS KS 67601
 ATTN: CHARLIE STURDAVANT

CLARK #5-24
24-17S14W BARTON
 Job Ticket: 16098 **DST#: 3**
 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
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



DRILL STEM TEST REPORT

FLUID SUMMARY

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

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: deg API
 Water Salinity: ppm

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

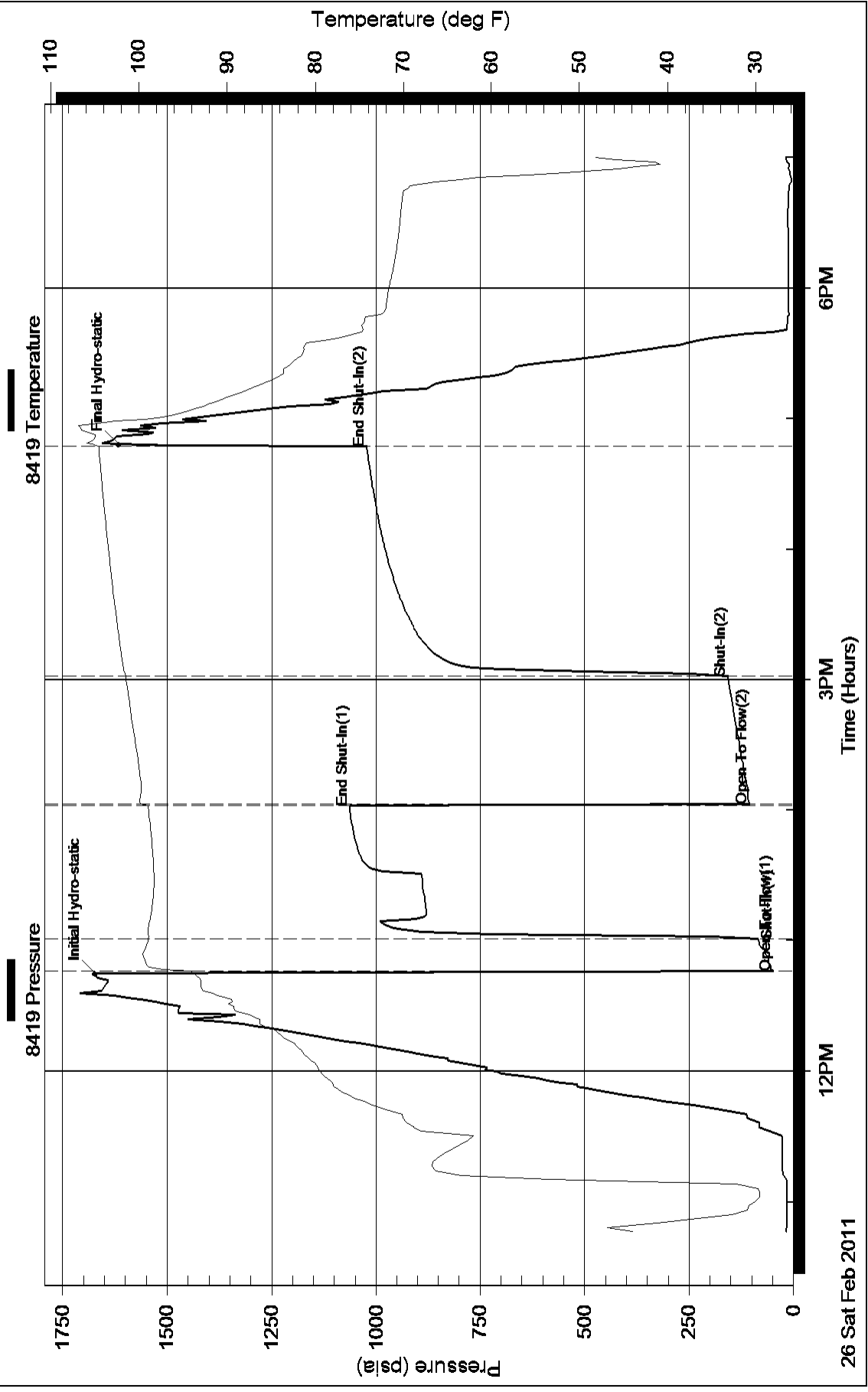
Total Length: 320.00 ft Total Volume: 2.849 bbl

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

