

**OPERATOR**

Company: Shelby Resources, LLC  
 Address: 445 Union Blvd.  
 Suite 208  
 Lakewood, CO 80228  
 Contact Geologist: Janine Sturdavant  
 Contact Phone Nbr: 720-274-4682  
 Well Name: Fisher #2-15  
 Location: Sec. 15 - T25S - R14W  
 Pool:   
 State: Kansas  
 API: 15-185-23685-0000  
 Field: Jordan  
 Country: USA

**Scale 1:240 Imperial**

Well Name: Fisher #2-15  
 Surface Location: Sec. 15 - T25S - R14W  
 Bottom Location:   
 API: 15-185-23685-0000  
 License Number: 31725  
 Spud Date: 7/7/2011 Time: 00:00  
 Region: Stafford County  
 Drilling Completed: 7/16/2011 Time: 10:15  
 Surface Coordinates: 1505' FNL & 490' FEL  
 Bottom Hole Coordinates:   
 Ground Elevation: 1965.00ft  
 K.B. Elevation: 1974.00ft  
 Logged Interval: 3300.00ft To: 4200.00ft  
 Total Depth: 4200.00ft  
 Formation: Viola  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: Latitude:  
 N/S Co-ord: 1505' FNL  
 E/W Co-ord: 490' FEL

**LOGGED BY**

***Keith Reavis***  
*Consulting Geologist*

Company: Keith Reavis, Inc.  
 Address: 3420 22nd Street  
 Great Bend, KS 67530  
 Phone Nbr: 620-617-4091  
 Logged By: KLG #136 Name: Keith Reavis

**CONTRACTOR**

Contractor: Sterling Drilling Company  
 Rig #: 4  
 Rig Type: mud rotary  
 Spud Date: 7/7/2011 Time: 00:00  
 TD Date: 7/16/2011 Time: 10:15  
 Rig Release: Time:

**ELEVATIONS**

K.B. Elevation: 1974.00ft Ground Elevation: 1965.00ft  
 K.B. to Ground: 9.00ft

**NOTES**

Due to favorable Drill Stem Tests in the Lansing-Kansas City and Mississippian, as well as favorable corresponding electrical log analyses, it was recommended and agreed upon by all parties that 5 1/2 inch production casing be set and cemented and that the Fisher #2-15 be further tested through perforations.

The drill cuttings were saved and will be available for review at the Kansas Geological Survey Well Sample Library

Respectfully submitted,  
Keith Reavis

# Shelby Resources, LLC

## DAILY DRILLING REPORT

DATE	7:00 AM DEPTH	REMARKS
07/11/2011		Geologist Keith Reavis on location @ 1715 hrs, 3420 ft., drilling ahead Queen Hill, Lecompton, Heebner
07/12/2011	3718	drilling ahead, Douglas, Lansing, shows in A, B and F, F warrants DST short trip, TOH, conduct DST #1 and complete, successful test, TIH with bit
07/13/2011	3816	resume drilling, Lansing G and H, kick and show in H warrants DST, TOH for DST #2, conducting DST #2, complete DST, successful test, TIH w/bit, drill to J zone, show warrants test, TOH for DST #3
07/14/2011	3865	conducting DST #3, complete DST, successful test, TIH w/bit, drill ahead to K zone, kick and show warrants DST, TOH for DST #4, conduct and complete, successful test, TIH w/bit, ctch
07/15/2011	3982	drilling ahead, BKC, Marmaton, Miss, gas kick and show in Miss Chert warrants DST, conduct and complete DST #5, successful test, TIH
07/16/2011	4146	drilling ahead, Miss, Viola, TD @ 4200, condition hole, short trip, TOH w/bit, conduct and complete logging operations, geo off loc @ 2130 hrs

# Shelby Resources, LLC

## WELL COMPARISON SHEET

DRILLING WELL Fisher #2-15 1505' FNL & 490' FEL Sec. 15, T25S R14W					COMPARISON WELL Shelby - Fisher #1-15 1724' FNL & 1110' FEL Sec. 15, T25S R14W				COMPARISON WELL Mid Cont. - HE Tanner #1 704' FNL & 804' FWL Sec. 14, T25S R14W			
1974 KB					1974 KB		Structural Relationship		1974 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Howard	3088	-1114	3090	-1116	3078	-1104	-10	-12				
Severy Shale	3165	-1191	3165	-1191	3150	-1176	-15	-15				
Queen Hill	3393	-1419	3394	-1420	3368	-1394	-25	-26				
Heebner	3492	-1518	3494	-1520	3494	-1520	2	0	3505	-1531	13	11
Douglas	3531	-1557	3534	-1560	3532	-1558	1	-2	3547	-1573	16	13
Brown Lime	3640	-1666	3642	-1668	3642	-1668	2	0	3653	-1679	13	11
Lansing	3665	-1691	3664	-1690	3670	-1696	5	6	3686	-1712	21	22
Lansing B	3689	-1715	3690	-1716	3691	-1717	2	1	3700	-1726	11	10
Lansing H	3802	-1828	3806	-1832	3802	-1828	0	-4	3824	-1850	22	18
Base KC	3964	-1990	3966	-1992	3962	-1988	-2	-4	3975	-2001	11	9
Marmaton	3984	-2010	3982	-2008	3982	-2008	-2	0	3994	-2020	10	12
Mississippian	4059	-2085	4059	-2085	4064	-2090	5	5	4099	-2125	40	40
Viola	4138	-2164	4141	-2167	4154	-2180	16	13	4160	-2186	22	19
Simpson	nr				4223	-2249			4237	-2263		
Arbuckle	nr				4257	-2283			4273	-2299		
Total Depth	4200	-2226	4203	-2229	4326	-2352	126	123	4368	-2394	168	165

### ROCK TYPES

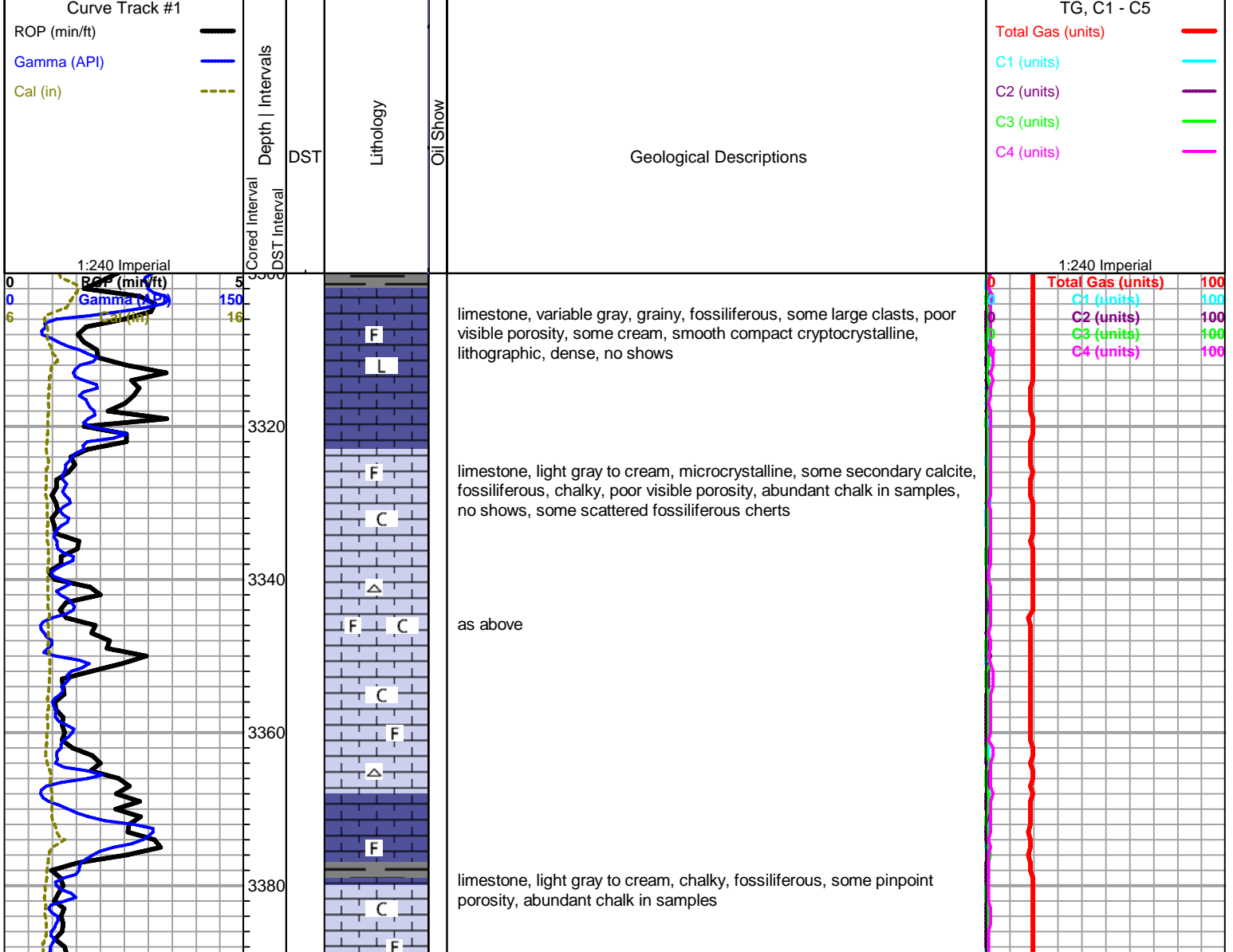
	Cht		Chtcong		Lmst fw> shale, gm		Carbon Sh
	Cht vari		Dolsec		shale, red		

### ACCESSORIES

<b>MINERAL</b> — Argillaceous ⊥ Calcareous ▲ Chert, dark P Pyrite • Sandy •• Silty △ Chert White Mc Mica	<b>FOSSIL</b> ∩ Bioclastic or Fragmental F Fossils < 20% ⊕ Oolite ∪ Pelecypod ∅ Pellets ⚙ Oomoldic	<b>STRINGER</b> ▨ Dolomite ▨ Limestone ▨ Sandstone ▨ Siltstone ▨ Shale ▨ green shale ▨ red shale ▨ carb shale	<b>TEXTURE</b> C Chalky CX Cryptocrystalline L Lithogr
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### OTHER SYMBOLS

<b>MISC</b> DR Daily Report Digital Photo Document Folder Link Vertical Log File Horizontal Log File Core Log File Drill Cuttings Rpt	<b>DST</b> DST Int DST alt Core
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### Queen Hill 3393 -1419

black carbonaceous shale

limestone, mixed cream to gray, microcrystalline, fossiliferous, chalky in part, fairly dense, some scattered fossiliferous chert, no shows

limestone, cream to gray, microcrystalline, chalky, fossiliferous, some scattered pinpoint porosity, abundant chalk, no shows

limestone, gray to tan, some mottled, microcrystalline, fossiliferous, chalky in part, some interclast porosity, moderate chalk, no shows

limestone, mixed non-descript fossiliferous, some chalky, some cream cryptocrystalline lithographic, some mixed gray to brown/gray mottled fossiliferous cherts, some chalk, no shows

### Heebner 3492 -1518

shale, dark gray/black, fissile, dense, some dark brown, grainy (no carbonaceous shale noted until 3540 sample)

### Toronto 3512 -1538

limestone, cream to gray, mixed crystalline, fossiliferous, dense to chalky, no shows

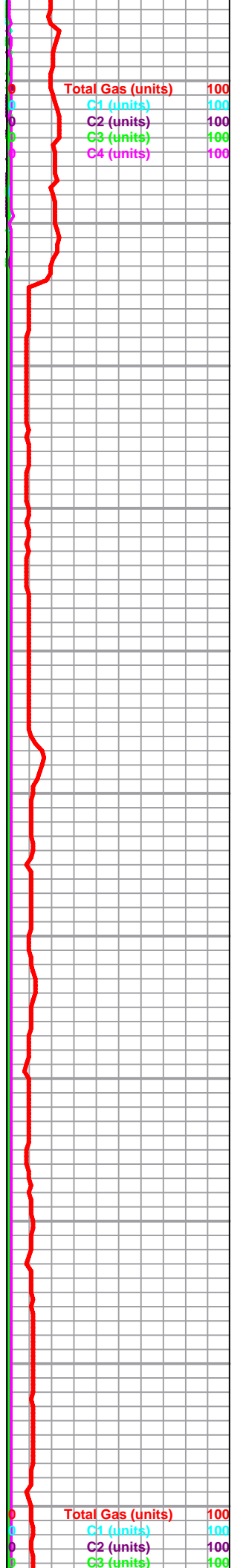
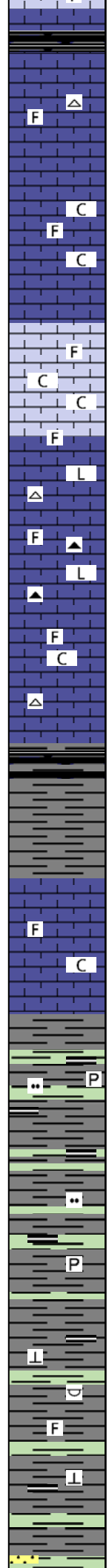
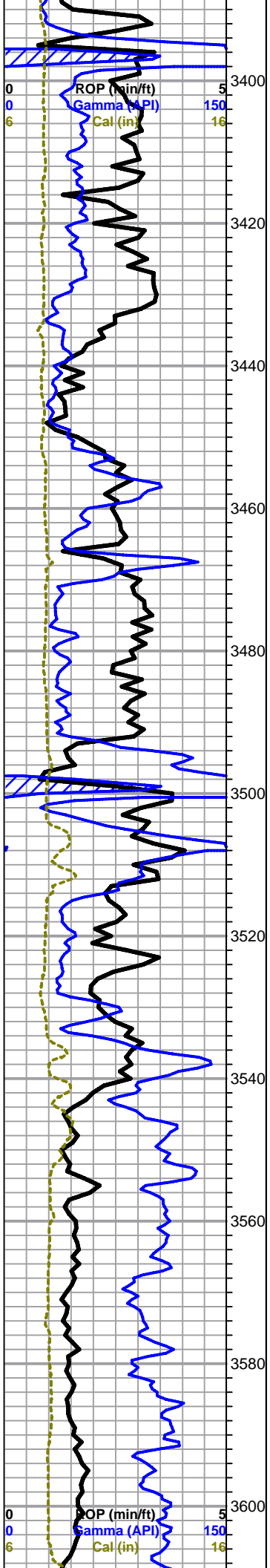
### Douglas 3531 -1557

mixed gray and green shales, some silty to slightly pyritic, abundant carbonaceous shale, still carrying abundant limestones

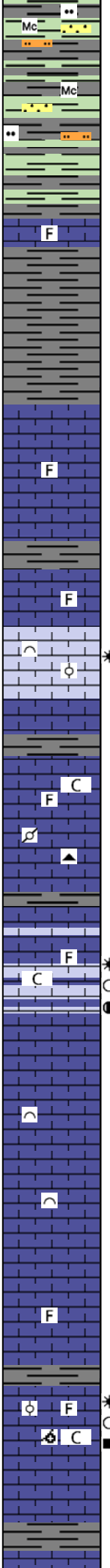
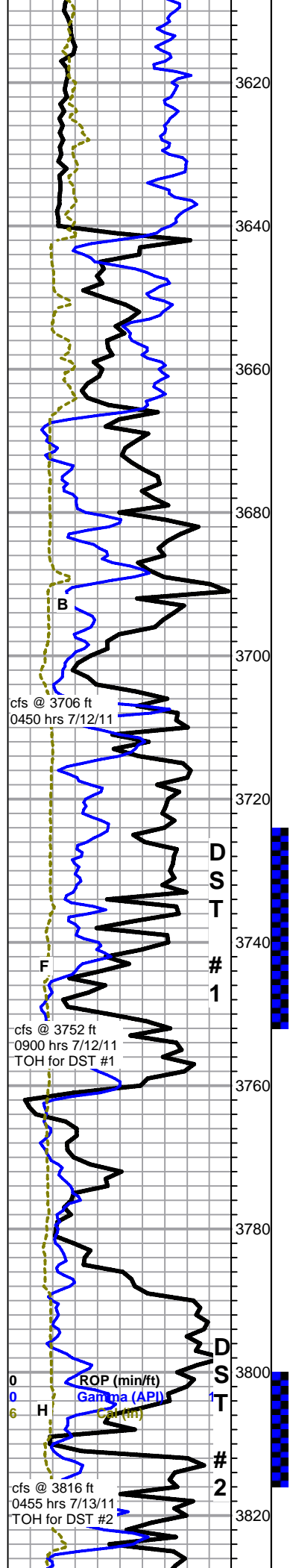
as above

as above, some shales very limey, greenish gray, some pyrite nodules and pyrite replaced fossil casts, still abundant limestones in samples

3630, flood shales in samples, light gray to gray green, very silty to micaceous, with gray/green siltstone and very fine grain sandstone.



poorly sorted, angular to rounded, fairly cemented, micaceous



### Brown Lime 3640 -1666

limestone, tan to brown, cryptocrystalline, fossiliferous, large clasts, dense, no shows

mostly gray shales

### Lansing 3665 -1691

poor samples, mostly heaving Douglas shales and sand, few scattered limestones, cream, cryptocrystalline, slightly grainy fossiliferous, slightly chalky, poor visible porosity, no shows, faint fluorescence

30 min - limestone, cream to tan, bioclastic to oolitic, poor overall visible porosity, show gas bubbles, no odor, spotty good fluorescence, no cut, 60 min a.a., less gas show, denser, appears tight

limestone, cream, microcrystalline, fossiliferous, chalky in part, poor visible porosity, with limestone, microcrystalline, fossiliferous to pelletal, dense, cherty, no shows

limestone as above, increase in brown limestones, influx chert, dark brown, fossiliferous, no shows, possible fleeting odor

30 min - limestone, dark gray to brown mottled, microcrystalline, fossiliferous, hard to discern stain, with cream, chalky fossiliferous, slightly stained, some small vugs and fractures, slow bleeding gas and dark oil droplets, good odor, poor fluorescence, slow streaming cut; 60 min - limestone as above, porosity is nice vuggy, increase stain, more of the cream fossiliferous facies, good vugs and interclast porosity, bleeding oil and streaming in tray, good odor, fair bluish fluorescence, good bright blue/white cut

drill stem test #1.jpg

limestone, white to cream, micro-cryptocrystalline, bioclastic, poor overall visible porosity, barren, no fluorescence - poor samples, abundant shale (some barren tan chalky oomoldic-oolitic came up in 3816 30 min cfs, suspect washout with slow samp return)

as above

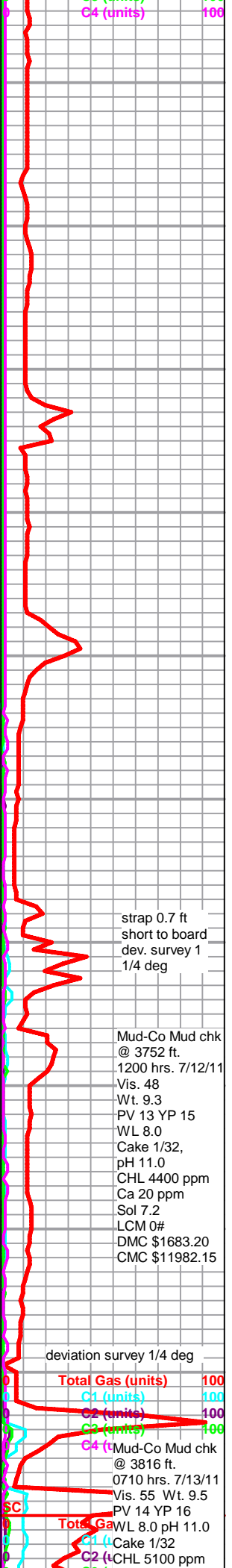
poor samples, abundant shales with limestone, tan to cream, dense microcrystalline, fossiliferous, no shows

drill stem test #2.jpg

limestone, light gray, fossiliferous to oolitic and oomoldic, mixed fair interclast and oomold porosity, spotty to saturated light brown stain, gassy, fair show bleeding oil, fair odor, poor fluorescence, excellent cut fluorescence, abundant chalk

limestone, cream to white, cryptocrystalline, fossiliferous, mostly dense, some chalky, poor visible porosity, some scattered mineral fluorescence, no shows

C4 (units) 100



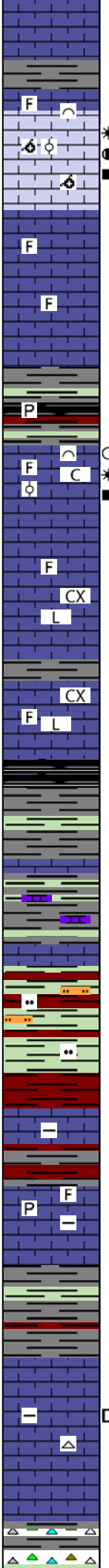
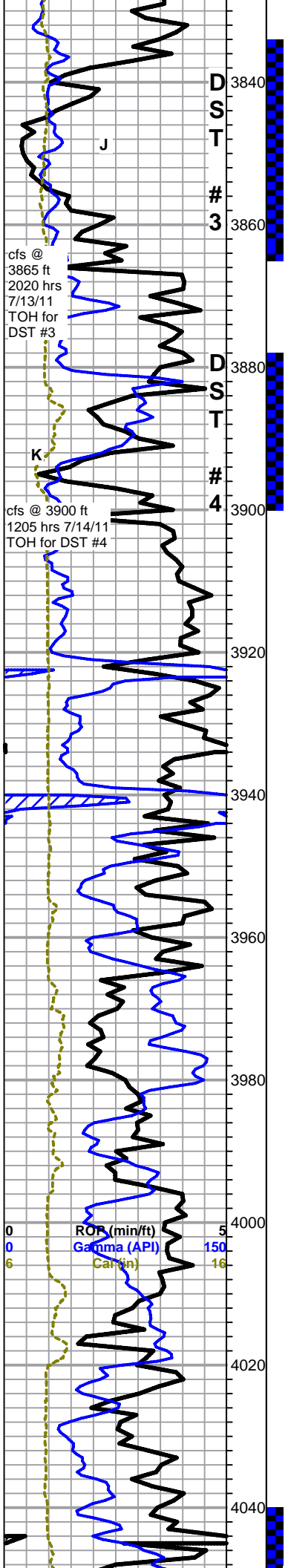
strap 0.7 ft short to board dev. survey 1 1/4 deg

Mud-Co Mud chk @ 3752 ft. 1200 hrs. 7/12/11  
 Vis. 48  
 Wt. 9.3  
 PV 13 YP 15  
 WL 8.0  
 Cake 1/32,  
 pH 11.0  
 CHL 4400 ppm  
 Ca 20 ppm  
 Sol 7.2  
 LCM 0#  
 DMC \$1683.20  
 CMC \$11982.15

deviation survey 1/4 deg

Total Gas (units) 100  
 C1 (units) 100  
 C2 (units) 100  
 C3 (units) 100  
 C4 (units) 100

Mud-Co Mud chk @ 3816 ft. 0710 hrs. 7/13/11  
 Vis. 55 Wt. 9.5  
 PV 14 YP 16  
 WL 8.0 pH 11.0  
 Cake 1/32  
 CHL 5100 ppm  
 Ca 20 ppm



as above

limestone, tan to cream, oomoldic, some cherty clasts, good oomold porosity, light brown saturated stain (appx 50%), slightly gassy, bleeding free oil, faint fluorescence, excellent cut, with: limestone, white to cream, fossiliferous to bioclastic, slight interclast and pinpoint porosity, dense, cherty, dark black saturated to interclast stain, slightly gassy, good odor in wet cup, some chalk

drill stem test #3.jpg

limestone, mixed fossiliferous and cream to white compact lithographic, chalky in part, no shows

mixed shales, trace carbonaceous, some pyrite

drill stem test #4.jpg

limestone, cream to brown and gray, cryptocrystalline, fossiliferous to bioclastic, some scattered to fair vugs, some edge pinpoint porosity and saturated to spotty edge stain, gassy, slight show oil, with light gray fine oolitic, good interoolite porosity, saturated stain, gassy, slight show oil, faint odor in wet cup, faint fluorescence, excellent cut, abundant chalk

limestone, cream to light gray, cryptocrystalline, fossiliferous to lithographic, some scattered black edge stain and pinpoint porosity, no show oil, no odor

limestone, cream to light gray, mostly cryptocrystalline compact lithographic, some fossiliferous, some scattered chert, no show

gray and green shales, some black carbonaceous, still carrying abundant limestones from above

as above, some limestone stringers

**Base Kansas City 3964 -1990**

mottled maroon to green shale, some pale green silty shale and siltstones, grading to brick red shales with red/brown wash in samples

**Marmaton 3984 -2010**

limestone, cream and light gray to pale green, micro-cryptocrystalline, fossiliferous in part, some pyritic, dense, some dark gray argillaceous, with shale, dark gray, dense, limey, argillaceous to soft pink/red, clayey

limestone, light gray to tan and pale green, microcrystalline, arenaceous, dense, cherty to chalky in part, some light brown saturated dead stain, no fluorescence or odor, no show free oil, some scattered cream to light gray fossiliferous cherts

increasing shales with influx gray and orange cherts

C4 (units) 200  
Sol 8.2  
LCM 0#  
DMC \$80.750  
CMC \$12062.90

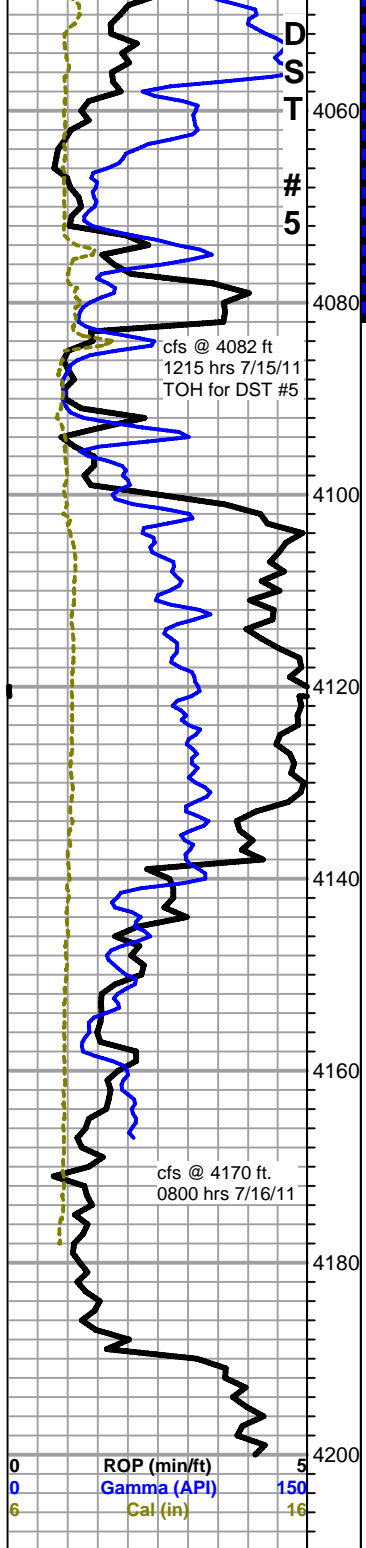
127 unit total

Mud-Co Mud chk @ 3865 ft.  
0845 hrs. 7/14/11  
Vis. 71  
Wt. 9.4  
PV 15 YP 28  
WL 10.0  
Cake 1/32,  
pH 11.0  
CHL 8500 ppm  
Ca 20 ppm  
Sol 7.5  
LCM 0#  
DMC \$66.15  
CMC \$12129.05

extractor plugged

Mud-Co Mud chk @ 3999 ft.  
0805 hrs. 7/15/11  
Vis. 68  
Wt. 9.4  
PV 15 YP 13  
WL 8.8  
Cake 1/32,  
pH 11.0  
CHL 6800 ppm  
Ca 20 ppm  
Sol 7.4  
LCM 0#  
DMC \$847.05  
CMC \$12976.10

Total Gas (units)	200
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100



conglomerate

drill stem test #5.jpg

**Mississippian Chert 4059 -2085**

30 min cfs sample, some pale green slight tripolitic chert with slight staining, no odor or fluorescence, otherwise congl. a.a.

60 min, chert, white to cream, tripolitic to weathered/rotten and brittle, fair brown staining, slightly gassy, some oil droplets, no fluorescence, slow faint cut with halo, fleeting odor in wet cup

chert, white to translucent, fresh, sharp, scattered black stain, with: limestone, white, microcrystalline, lithographic, dolomite, dark gray, microcrystalline, dense, cherty, gray, green and maroon shales

shale, gray, green, lavender and maroon, some sand, some fossiliferous and very dense and limey

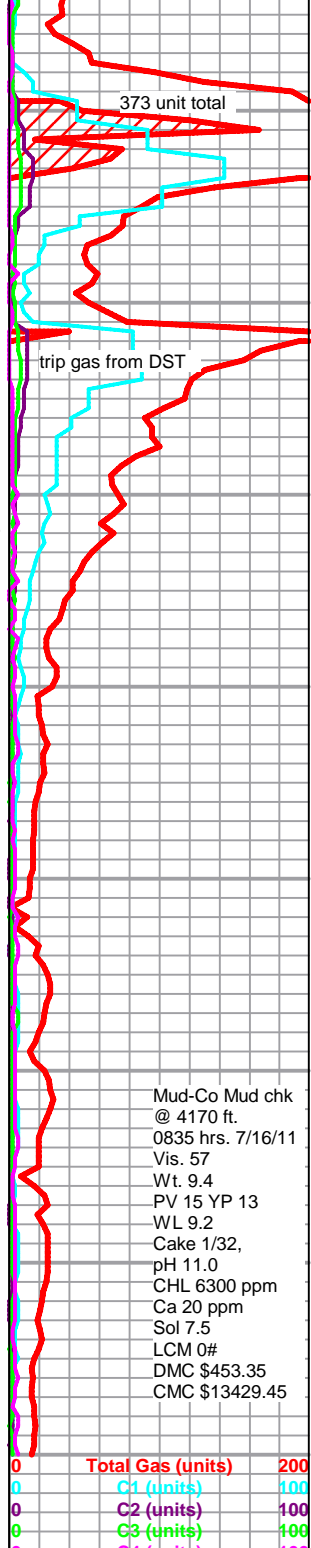
**Viola 4138 -2164**

chert, boney white to light gray translucent, mostly barren, sharp, fresh, some scattered tripolitic, with spotty to saturated staining, slight show free oil, faint to fleeting odor, fair fluorescence, slight cut

chert, as above, some black stain, decreasing show

limestone, white to cream, very fossiliferous, chalky in part, some dolomite, microcrystalline, grainy/chalky, no shows, abundant chalk

Rotary TD 4200 ft. @ 1015 hrs 7/16/11  
 Superior Well Service TD 4203 ft.  
 Complete Logging Operations 2100 hrs 7/16/11



drill stem test #1.jpg

Company	<b>Shelby Resources, LLC</b>	Lease Name	<b>Fisher</b>
Address	<b>2717 Canal Blvd.</b>	Lease #	<b>2-15</b>
CSZ	<b>Hays, KS 67601</b>	Legal Desc	<b>NW NE SE NE</b>
Attn.	<b>Keith Reavis</b>	Section	<b>15</b>
		Township	<b>25S</b>
		County	<b>Stafford</b>
		Drilling Cont	<b>Sterling Drilling #4</b>
		Job Ticket	<b>3436</b>
		Range	<b>14W</b>
		State	<b>KS</b>

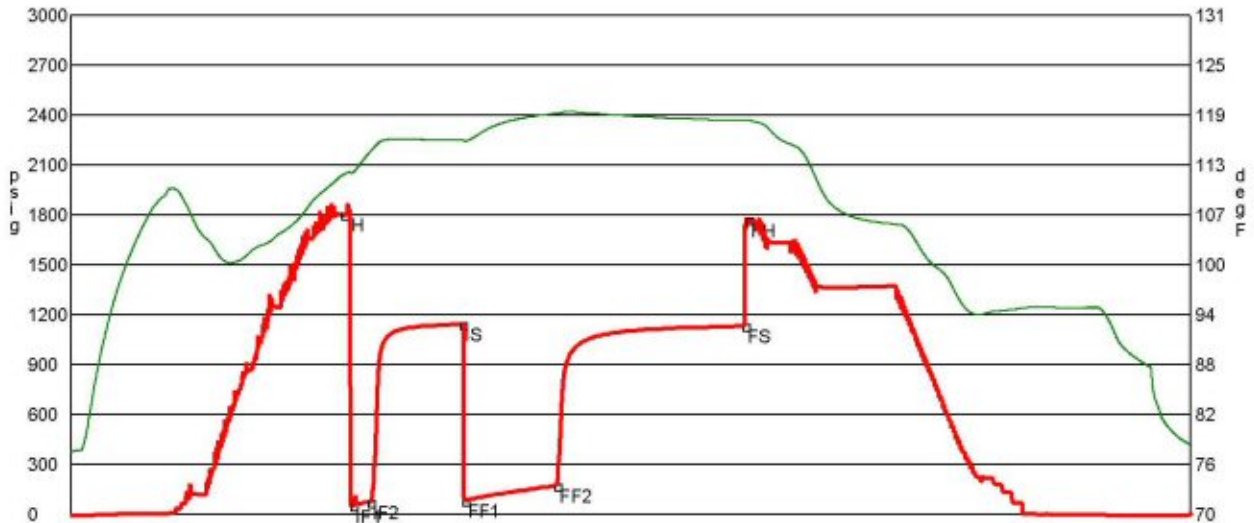
Comments    **Field: Jordan**

GENERAL INFORMATION

Test # 1	Test Date	<b>7/12/2011</b>	Chokes	<b>3/4</b>	Hole Size	<b>7 7/8</b>
Tester	<b>Jimmy Ricketts</b>		Top Recorder #	<b>13767</b>		
Test Type	<b>Conventional Bottom Hole Successful Test</b>		Mid Recorder #			
# of Packers	<b>2.0</b>	Packer Size	<b>6 3/4</b>	Bott Recorder #	<b>w1023</b>	
Mud Type	<b>Gel Chem</b>		Mileage	<b>44</b>	Approved By	
Mud Weight	<b>9.4</b>	Viscosity	<b>48.0</b>	Standby Time	<b>0</b>	
Filtrate	<b>8.0</b>	Chlorides	<b>4400</b>	Extra Equipmnt	<b>Jars &amp; Safety Joint</b>	
Drill Collar Len	<b>213.0</b>			Time on Site	<b>1:15 PM</b>	
Wght Pipe Len	<b>0</b>			Tool Picked Up	<b>2:30 PM</b>	
				Tool Layed Dwn	<b>10:00 PM</b>	
Formation	<b>Lansing F</b>		Elevation	<b>1965.00</b>	Kelley Bushings	<b>1974.00</b>
Interval Top	<b>3724.0</b>	Bottom	<b>3752.0</b>	Start Date/Time	<b>7/12/2011 2:00 PM</b>	
Anchor Len Below	<b>28.0</b>	Between	<b>0</b>	End Date/Time	<b>7/12/2011 10:58 PM</b>	
Total Depth	<b>3752.0</b>					
Blow Type	<b>Strong blow throughout initial flow period. Bottom of bucket in 1 minute 10 seconds. 4 inch blow back during initial shut-in period. Strong blow throughout final flow period. Bottom of bucket in less then 1 minute. Strong blow back during final shut-in period. Gas to surface 22 minutes into final shut-in period. Times: 10, 45, 45, 90.</b>					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
20	Gassy oil cut mud	6% 1.2ft	1% 0.2ft	0% 0ft	93% 18.6ft
120	Gassy water and heavy oil cut mud	22% 26.4ft	26% 31.2ft	9% 10.8ft	43% 51.6ft
245	Oil and mud cut water	0% 0ft	4% 9.8ft	92% 225.4ft	4% 9.8ft



	Date	Time	Pressure	Temp	
IH	7/12/2011 4:10:10 PM	2.169444	1799.18	111.53	Initial Hydro-static
IF1	7/12/2011 4:14:40 PM	2.244444	47.692	111.76	Initial Flow (1)
IF2	7/12/2011 4:23:00 PM	2.383333	72.071	114.305	Initial Flow (2)
IS	7/12/2011 5:07:30 PM	3.125	1142.057	115.784	Initial Shut-in
FF1	7/12/2011 5:08:40 PM	3.144444	79.348	115.615	Final Flow (1)
FF2	7/12/2011 5:53:00 PM	3.883333	171.246	118.992	Final Flow (2)
FS	7/12/2011 7:23:20 PM	5.388889	1131.115	118.131	Final Shut-in
FH	7/12/2011 7:25:20 PM	5.422222	1767.221	118.186	Final Hydro-static



drill stem test #2.jpg

RICKETTS TESTING

(620) 326-5830

Page 1

Company **Shelby Resources, LLC**  
 Address **2717 Canal Blvd.**  
 CSZ **Hays, KS 67601**  
 Attn. **Keith Reavis**

Lease Name **Fisher**  
 Lease # **2-15**  
 Legal Desc **NW NE SE NE**  
 Section **15**  
 Township **25S**  
 County **Stafford**  
 Drilling Cont **Sterling Drilling #4**

Job Ticket **3436**  
 Range **14W**  
 State **KS**

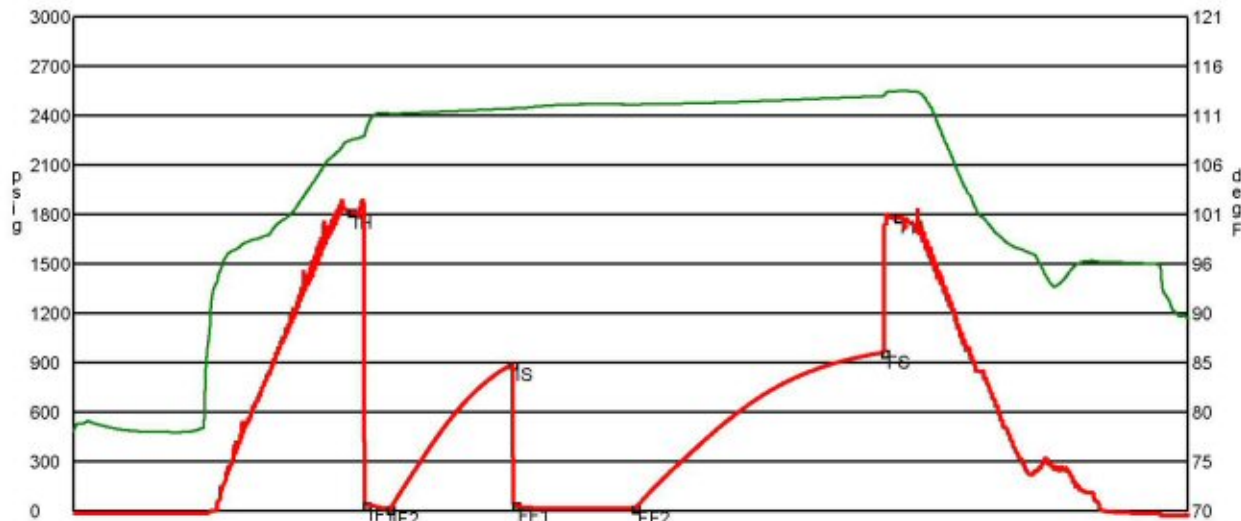
Comments **Field: Jordan**  
**Jimmy did DST #1 Tim did the rest.**

GENERAL INFORMATION

Test # <b>2</b>	Test Date <b>7/13/2011</b>	Chokes <b>3/4</b>	Hole Size <b>7 7/8</b>
Tester <b>Tim Venters</b>		Top Recorder # <b>W1119</b>	
Test Type <b>Conventional Bottom Hole Successful Test</b>		Mid Recorder # <b>W1022</b>	
# of Packers <b>2.0</b>	Packer Size <b>6 3/4</b>	Bott Recorder # <b>13310</b>	
Mud Type <b>Gel Chem</b>		Mileage <b>44</b>	Approved By
Mud Weight <b>9.5</b>	Viscosity <b>55.0</b>	Standby Time <b>0</b>	
Filtrate <b>8.0</b>	Chlorides <b>5100</b>	Extra Equipmnt <b>Jars &amp; Safety joint</b>	
Drill Collar Len <b>213.0</b>		Time on Site <b>6:50 AM</b>	
Wght Pipe Len <b>0</b>		Tool Picked Up <b>8:35 AM</b>	
		Tool Layed Dwn <b>2:55 PM</b>	
Formation <b>Lansing "H"</b>		Elevation <b>1965.00</b>	Kelley Bushings <b>1974.00</b>
Interval Top <b>3800.0</b>	Bottom <b>3816.0</b>	Start Date/Time <b>7/13/2011 7:57 AM</b>	
Anchor Len Below <b>16.0</b>	Between <b>0</b>	End Date/Time <b>7/13/2011 2:49 PM</b>	
Total Depth <b>3816.0</b>			
Blow Type <b>Weak 1/2 inch blow at the start of the initial flow period, building, reaching the bottom of the bucket in 3 minutes. Very strong blow throughout the final flow period, hitting the bottom of the bucket instantaneously. Times: 10, 45, 45, 90.</b>			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
1565	Gas in Pipe	100% 1565ft	0% 0ft	0% 0ft	0% 0ft
55	Gassy, slight oil cut mud	13% 7.2ft	10% 5.5ft	0% 0ft	77% 42.4ft



Date	Time	Pressure	Temp	
7/13/2011 9:39:00 AM	1.7	1815.31	108.29	Initial Hydro-static
7/13/2011 9:44:30 AM	1.791667	38.764	109.283	Initial Flow (1)
7/13/2011 9:53:20 AM	1.938889	14.554	111.043	Initial Flow (2)
7/13/2011 10:38:50 AM	2.697222	890.942	111.563	Initial Shut-In
7/13/2011 10:39:40 AM	2.711111	35.969	111.579	Final Flow (1)
7/13/2011 11:24:10 AM	3.452778	17.684	111.976	Final Flow (2)
7/13/2011 12:56:30 PM	4.991667	963.529	112.846	Final Shut-In
7/13/2011 1:01:20 PM	5.072222	1782.429	113.349	Final Hydro-static

drill stem test #3.jpg

RICKETTS TESTING

(620) 326-5830

Page 1

Company **Shelby Resources, LLC**  
 Address **2717 Canal Blvd.**  
 CSZ **Hays, KS 67601**  
 Attn. **Keith Reavis**

Lease Name **Fisher**  
 Lease # **2-15**  
 Legal Desc **NW NE SE NE**  
 Section **15**  
 Township **25S**  
 County **Stafford**  
 Drilling Cont **Sterling Drilling #4**  
 Job Ticket **3436**  
 Range **14W**  
 State **KS**

Comments **Field: Jordan**  
**Jimmy did DST #1 Tim did the rest.**

GENERAL INFORMATION

Test # **3** Test Date **7/14/2011**

Tester **Tim Venters**  
 Test Type **Conventional Bottom Hole Successful Test**

# of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**  
 Mud Weight **9.5** Viscosity **55.0**  
 Filtrate **8.0** Chlorides **5100**

Drill Collar Len **213.0**  
 Wght Pipe Len **0**

Formation **Lansing "J"**  
 Interval Top **3834.0** Bottom **3865.0**  
 Anchor Len Below **31.0** Between **0**  
 Total Depth **3865.0**

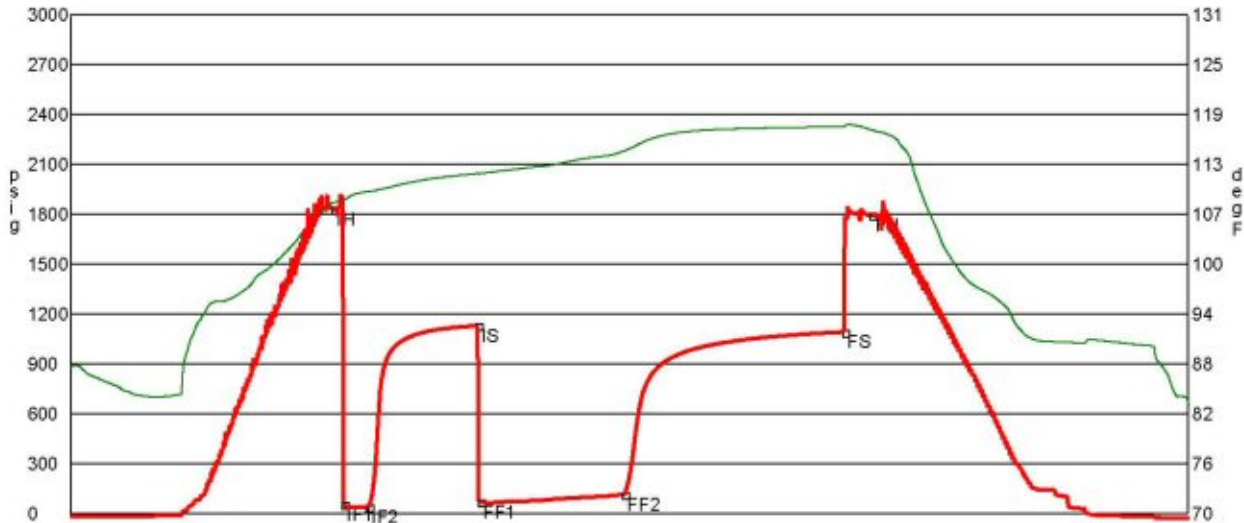
Blow Type **Weak 1/2 inch blow at the start of the initial flow period, building, reaching the bottom of the bucket in 3 1/2 minutes. Very weak surface blow back during the initial shut-in period, lasting 20-30 minutes. Weak 1 inch blow at the start of the final flow period, building, reaching the bottom of the bucket in 7 minutes. Weak surface blow back at the start of the final shut-in period, building to 4 inches. Times: 10, 45, 60, 90.**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **W1119**  
 Mid Recorder # **W1022**  
 Bott Recorder # **13310**  
 Mileage **44** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Jars & Safety joint**  
 Time on Site **10:20 PM**  
 Tool Picked Up **11:50 PM**  
 Tool Layed Dwn **6:50 AM**  
 Elevation **1965.00** Kelley Bushings **1974.00**  
 Start Date/Time **7/13/2011 11:18 PM**  
 End Date/Time **7/14/2011 6:55 AM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
1015	Gas in Pipe	100%	0%	0%	0%
75	Gassy, heavy oil and water cut mud	6% 4.5ft	29% 21.8ft	26% 19.5ft	39% 29.2ft
175	Slight mud cut water with slight trace of oil	0%	trace	89% 155.8ft	11% 19.2ft
10	Mud	0%	0%	0%	100% 10ft

DST Fluids **96000**



	Date	Time	Pressure	Temp		
IH	7/14/2011	1:04:40 AM	1.777778	1829.031	108.013	Initial Hydro-static
IF1	7/14/2011	1:08:50 AM	1.847222	55.944	108.246	Initial Flow (1)
IF2	7/14/2011	1:19:00 AM	2.016667	38.723	109.37	Initial Flow (2)
IS	7/14/2011	2:03:50 AM	2.763889	1130.467	111.576	Initial Shut-In
FF1	7/14/2011	2:04:40 AM	2.777778	70.581	111.565	Final Flow (1)
FF2	7/14/2011	3:03:50 AM	3.763889	114.771	114.345	Final Flow (2)
FS	7/14/2011	4:34:00 AM	5.266667	1092.915	117.312	Final Shut-In
FH	7/14/2011	4:45:20 AM	5.455556	1797.04	116.895	Final Hydro-static

drill stem test #4.jpg

RICKETTS TESTING

(620) 326-5830

Page 1

Company	<b>Shelby Resources, LLC</b>	Lease Name	<b>Fisher</b>	
Address	<b>2717 Canal Blvd.</b>	Lease #	<b>2-15</b>	
CSZ	<b>Hays, KS 67601</b>	Legal Desc	<b>NW NE SE NE</b>	Job Ticket <b>3436</b>
Attn.	<b>Keith Reavis</b>	Section	<b>15</b>	Range <b>14W</b>
		Township	<b>25S</b>	
		County	<b>Stafford</b>	State <b>KS</b>
		Drilling Cont	<b>Sterling Drilling #4</b>	

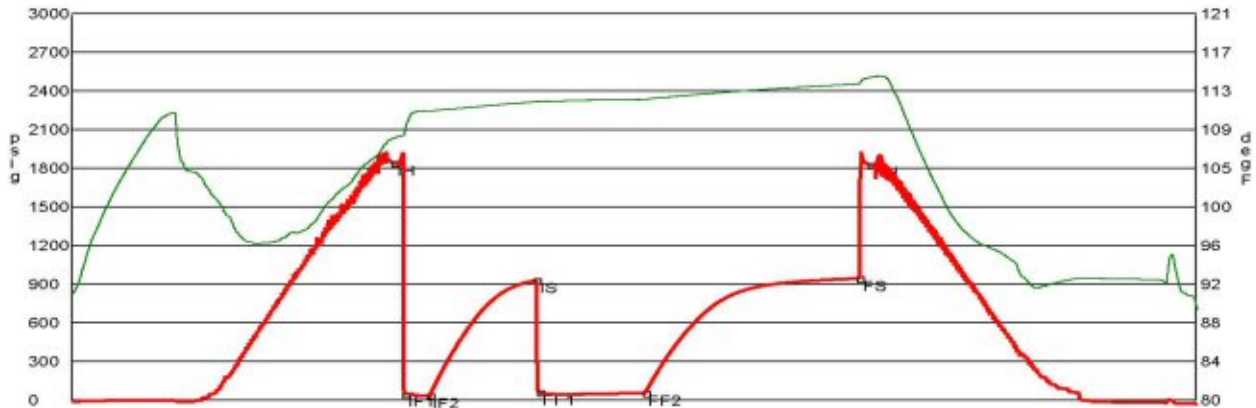
Comments **Field: Jordan**  
**Jimmy did DST #1 Tim did the rest.**

GENERAL INFORMATION

Test # 4	Test Date	<b>7/14/2011</b>	Chokes	<b>3/4</b>	Hole Size	<b>7 7/8</b>
Tester	<b>Tim Venters</b>		Top Recorder #	<b>W1119</b>		
Test Type	<b>Conventional Bottom Hole</b>		Mid Recorder #	<b>W1022</b>		
	<b>Successful Test</b>		Bott Recorder #	<b>13310</b>		
# of Packers	<b>2.0</b>	Packer Size	<b>6 3/4</b>	Mileage	<b>44</b>	Approved By
Mud Type	<b>Gel Chem</b>		Standby Time	<b>0</b>		
Mud Weight	<b>9.5</b>	Viscosity	<b>71.0</b>	Extra Equipmnt	<b>Jars &amp; Safety joint</b>	
Filtrate	<b>10.0</b>	Chlorides	<b>8500</b>	Time on Site	<b>2:15 PM</b>	
Drill Collar Len	<b>213.0</b>			Tool Picked Up	<b>3:20 PM</b>	
Wght Pipe Len	<b>0</b>			Tool Layed Dwn	<b>10:25 PM</b>	
Formation	<b>Lansing "K"</b>		Elevation	<b>1965.00</b>	Kelley Bushings	<b>1974.00</b>
Interval Top	<b>3878.0</b>	Bottom	<b>3900.0</b>	Start Date/Time	<b>7/14/2011 2:37 PM</b>	
Anchor Len Below	<b>22.0</b>	Between	<b>0</b>	End Date/Time	<b>7/14/2011 10:26 PM</b>	
Total Depth	<b>3900.0</b>					
Blow Type	<b>Strong blow throughout the intial flow period, reaching the bottom of the bucket in 45 seconds. Very strong blow throughout the final flow period, hitting the bottom of the bucket instantaneously. Gas to surface in 26 minutes. Times: 10, 45, 45, 90.</b>					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
3660	Gas in Pipe	100% 3660ft	0% 0ft	0% 0ft	0% 0ft
1	Clean oil	0% 0ft	100% 1ft	0% 0ft	0% 0ft
10	Oil cut mud	0% 0ft	30% 3ft	0% 0ft	70% 7ft
60	Gassy, slight oil cut mud	8% 4.8ft	14% 8.4ft	0% 0ft	78% 46.8ft
60	Mud cut oil	0% 0ft	70% 42ft	0% 0ft	30% 18ft
65	Very slight mud cut oil	0% 0ft	97% 63ft	0% 0ft	3% 2ft



	Date	Time	Pressure	Temp	
IH	7/14/2011	4:50:40 PM	2.227778	1841.494	107.837
IF1	7/14/2011	4:55:10 PM	2.302778	49.923	108.479
IF2	7/14/2011	5:05:20 PM	2.472222	36.044	110.708
IS	7/14/2011	5:50:10 PM	3.219444	932.392	111.674
FF1	7/14/2011	5:51:20 PM	3.238889	62.576	111.728
FF2	7/14/2011	6:35:30 PM	3.975	58.179	111.914
FS	7/14/2011	8:05:10 PM	5.469444	946.635	113.579
FH	7/14/2011	8:09:40 PM	5.544444	1829.17	114.276

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
0	30	5.19 mcf	9.50 h2o	0.25 in
0	40	8.14 mcf	23.50 h2o	0.25 in
0	45	7.97 mcf	22.50 h2o	0.25 in

Company	<b>Shelby Resources, LLC</b>	Lease Name	<b>Fisher</b>	
Address	<b>2717 Canal Blvd.</b>	Lease #	<b>2-15</b>	
CSZ	<b>Hays, KS 67601</b>	Legal Desc	<b>NW NE SE NE</b>	Job Ticket <b>3436</b>
Attn.	<b>Keith Reavis</b>	Section	<b>15</b>	Range <b>14W</b>
		Township	<b>25S</b>	State <b>KS</b>
		County	<b>Stafford</b>	
		Drilling Cont	<b>Sterling Drilling #4</b>	

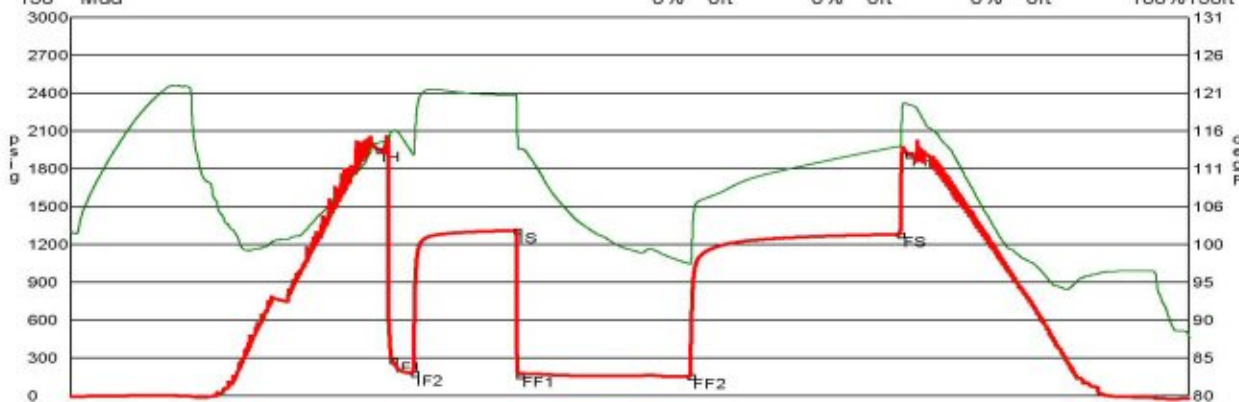
Comments **Field: Jordan**  
**Jimmy did DST #1 Tim did the rest.**

**GENERAL INFORMATION**

Test # <b>5</b>	Test Date <b>7/15/2011</b>	Chokes <b>3/4</b>	Hole Size <b>7 7/8</b>
Tester <b>Tim Venters</b>		Top Recorder # <b>W1119</b>	
Test Type <b>Conventional Bottom Hole</b>		Mid Recorder # <b>W1022</b>	
		Bott Recorder # <b>13310</b>	
# of Packers <b>2.0</b>	Packer Size <b>6 3/4</b>	Mileage <b>44</b>	Approved By
Mud Type <b>Gel Chem</b>		Standby Time <b>0</b>	
Mud Weight <b>9.4</b>	Viscosity <b>68.0</b>	Extra Equipmnt <b>Jars &amp; Safety joint</b>	
Filtrate <b>8.8</b>	Chlorides <b>6800</b>	Time on Site <b>2:50 PM</b>	
		Tool Picked Up <b>4:30 PM</b>	
		Tool Layed Dwn <b>11:35 PM</b>	
Drill Collar Len <b>213.0</b>		Elevation <b>1965.00</b>	Kelley Bushings <b>1974.00</b>
Wght Pipe Len <b>0</b>			
Formation <b>Mississippian</b>		Start Date/Time <b>7/15/2011 3:38 PM</b>	
Interval Top <b>4040.0</b>	Bottom <b>4082.0</b>	End Date/Time <b>7/15/2011 11:40 PM</b>	
Anchor Len Below <b>42.0</b>	Between <b>0</b>		
Total Depth <b>4082.0</b>			
Blow Type	<b>Very strong blow throughout the inital flow period, hitting the bottom of the bucket instantaneously. Gas to surface in 2 minutes. Very strong blow throughout the final flow period, hitting the bottom of the bucket instantaneously. Gas t o surface, instantaneously. Weak surface blow back after we bled line off, last ing 30 to 40 minutes. Times: 10, 45, 75, 90.</b>		

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
3865	Gas in Pipe	100% 3865ft	0% 0ft	0% 0ft	0% 0ft
150	Mud	0% 0ft	0% 0ft	0% 0ft	100% 150ft



	Date	Time	Pressure	Temp	
IH	7/15/2011 5:49:50 PM	2.197222	1951.226	114.102	Initial Hydro-static
IF1	7/15/2011 5:55:30 PM	2.291667	284.762	115.592	Initial Flow (1)
IF2	7/15/2011 6:04:50 PM	2.447222	178.803	112.487	Initial Flow (2)
IS	7/15/2011 6:49:10 PM	3.186111	1308.949	120.516	Initial Shut-In
FF1	7/15/2011 6:50:20 PM	3.205556	166.548	113.284	Final Flow (1)
FF2	7/15/2011 8:04:20 PM	4.438889	151.618	97.747	Final Flow (2)
FS	7/15/2011 9:34:50 PM	5.947222	1278.942	113.604	Final Shut-In
FH	7/15/2011 9:38:30 PM	6.008333	1916.483	119.272	Final Hydro-static

**GAS FLOWS**

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
10	0	773.00 mcf	22.00 psig	1.00 in
0	10	817.00 mcf	24.00 psig	1.00 in
0	20	796.00 mcf	23.00 psig	1.00 in
0	30	796.00 mcf	23.00 psig	1.00 in
0	40	773.00 mcf	22.00 psig	1.00 in
0	50	773.00 mcf	22.00 psig	1.00 in
0	60	761.00 mcf	21.50 psig	1.00 in
0	70	749.00 mcf	21.00 psig	1.00 in
0	75	749.00 mcf	21.00 psig	1.00 in