

#### Kansas Corporation Commission Oil & Gas Conservation Division

1072922

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set:Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	W ox oma
Operator:	Delling Florid Management Plan
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	
Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSecTwpS. R East West
■ ENHR         Permit #:	
GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

#### **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 I II Approved by: Date:							

Side Two



Operator Name: \_ Lease Name: \_ \_ Well #: \_ 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 Wireline Logs surveyed. Attach final geological well site report. **Drill Stem Tests Taken** Yes No Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum Samples Sent to Geological Survey ☐ Yes □ No Cores Taken Yes No Electric Log Run Electric Log Submitted Electronically Yes No (If no, Submit Copy) List All E. Logs Run: CASING RECORD Used New Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight # Sacks Type and Percent Type of Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Additives Depth Cement Used ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth TUBING RECORD: Size: Set At: Packer At: Liner Run: No Yes Producing Method: Date of First, Resumed Production, SWD or ENHR. Pumping Gas Lift Other (Explain) Flowing **Estimated Production** Bbls. Water Bbls. Gas-Oil Ratio Oil Gas Mcf Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Dually Comp. Perf. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.)

Other (Specify)

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Fisher 2-15
Doc ID	1072922

## All Electric Logs Run

Dual Induction	
Neutron	
Micro	
Sonic	
Cement Bond	

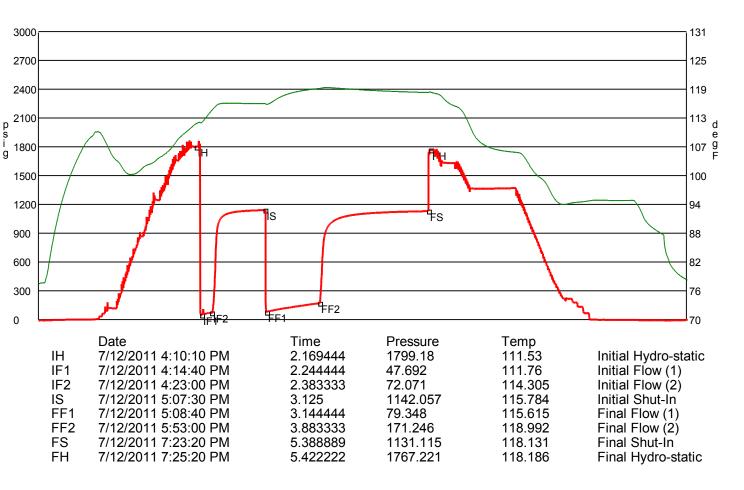
(620) 326-5830 Page 1 RICKETTS TESTING Lease Name Company Shelby Resources, LLC **Fisher** Address 2717 Čanal Blvd. Lease # 2-15 Hays, KS 67601 **NW NE SE NE** CSZ Legal Desc Job Ticket 3436 Attn. **Keith Reavis** Section Range 15 14W Township **25S** County **Stafford** State KS **Drilling Cont** Sterling Drilling #4 Field: Jordan Comments GENERAL INFORMATION Hole Size 7 7/8 Chokes 3/4 Top Recorder # 13767 Test # 1 Test Date 7/12/2011 Mid Recorder # Jimmy Ricketts Tester Test Type **Conventional Bottom Hole** Bott Recorder #w1023 Successful Test # of Packers 2.0 Packer Size 6 3/4 Mileage 44 Approved By Standby Time 0 Gel Chem Extra Equipmnt Jars & Safety Joint Mud Type Viscosity Mud Weight Time on Site 9.4 48.0 1:15 PM Chlorides Tool Picked Up 2:30 PM Filtrate 8.0 4400 Tool Layed Dwn10:00 PM Drill Collar Len 213.0 Wght Pipe Len 0 Elevation 1965.00 Kelley Bushings 1974.00 Start Date/Time7/12/2011 2:00 PM Formation Lansing F Interval Top End Date/Time 7/12/2011 10:58 PM 3724.0 Bottom 3752.0 Anchor Len Below 28.0 Between **Total Depth** 3752.0 Blow Type 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

#### RECOVERY

shut-in period. Times: 10, 45, 45, 90.

<u>Feet</u>	Description	Gas		Oil		Wate	er	Mud	
120	Gassy oil cut mud Gassy water and heavy oil cut mud Oil and mud cut water	22%	1.2ft 26.4ft 0ft		31.2ft	9%			18.6ft 51.6ft 9.8ft

DST Fluids 0



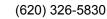
#### **GAS FLOWS**

Min Into IFP Min Into FFP Gas Flows Pressure Choke

RICKETTS	TESTING	(620) 326-5830			Pa	ge 1			
Company Address CSZ Attn.	Shelby Resources, LLC 2717 Canal Blvd. Hays, KS 67601 Keith Reavis  Field: Jordan Jimmy did DST #1 Tim did the rest.		Lease Name Lease # Legal Desc Section Township County Drilling Cont	Fisher 2-15 NW NE SE NE 15 25S Stafford Sterling Drillin	g #4	Job Ticket Range State	3436 14W KS		
GENERAL II	NFORMATIO	N		Obstacle	0/4	11-1- 0	7.7/0		
Test # <b>2</b> Tester Test Type	Tim Venters Conventional	Bottom Hole	7/13/2011	Chokes Top Recorder # Mid Recorder # Bott Recorder #	W1022	Hole Si	ze <b>7 7/8</b>		
# of Packers	Successful Te 2.0	St Packer Size	e 6 3/4	Mileage Standby Time	44 0	Approv	ed By		
Mud Type Mud Weight Filtrate	Gel Chem 9.5 8.0	Viscosity Chlorides	55.0 5100	Extra Equipmnt	Jars & Safety j 6:50 AM 8:35 AM	oint			
Drill Collar Len Wght Pipe Len				Elevation	1965.00	Kelley E	Bushings <b>19</b>	74.00	
Formation Interval Top Anchor Len Bel Total Depth Blow Type	formation Lansing "H" Start Date/Time 7/13/2011 7:57 AM End Date/Time 7/13/2011 2:49 PM Start Date/Time 7/13								
RECOVERY									
Feet Description				Gas	Oil	Water	Μι	ıd	
1565 Gas in Pi 55 Gassy,sli	pe ght oil cut mud			100%1565ft 13% 7.2ft	0% Oft 10% 5.5ft	0% 0°		% Oft % 42.4ft	

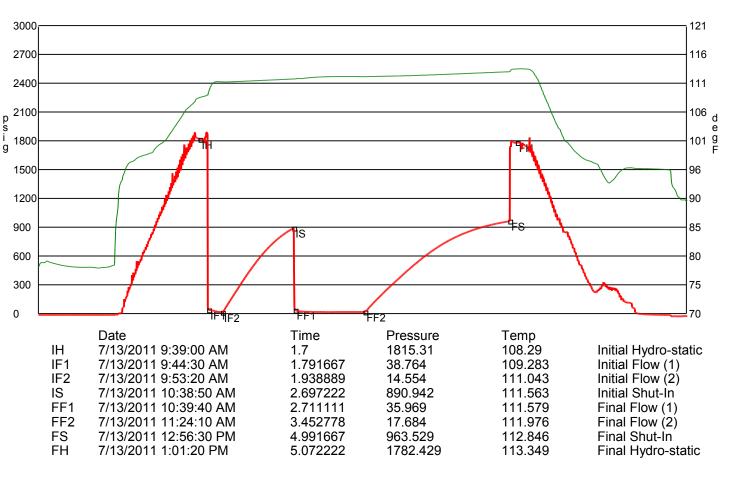
DST Fluids

0



**RICKETTS TESTING** 

Page 2



**GAS FLOWS** 

Min Into IFP Min Into FFP Gas Flows Pressure Choke

RICKETTS	TESTING	(620) 326-5830			Page 1			
Company Address CSZ Attn.	Shelby Resources, LLC 2717 Canal Blvd. Hays, KS 67601 Keith Reavis		Lease Name Lease # Legal Desc Section Township County	Fisher 2-15 NW NE SE NE 15 25S Stafford		Job Ticket Range State	3436 14W KS	
Comments	Field: Jordan Jimmy did DST #1 Tim did the rest.			Drilling Cont	Sterling Drilling	g #4		
GENERAL IN	NFORMATIO	N						
Test # 3 Tester Test Type	Tim Venters Conventional Successful Te	Bottom Hole	7/14/2011	Chokes Top Recorder # Mid Recorder # Bott Recorder #	W1022	Hole Siz	ze <b>77/8</b>	
# of Packers	2.0	Packer Size	e 6 3/4	Mileage Standby Time	44 0	Approve	ed By	
Mud Type Mud Weight Filtrate	Gel Chem 9.5 8.0	Viscosity Chlorides	55.0 5100	Extra Equipmnt Time on Site Tool Picked Up Tool Layed Dwr	Jars & Safety jo 10:20 PM 11:50 PM	oint		
Drill Collar Len Wght Pipe Len				Elevation	1965.00	Kelley E	Bushings <b>19</b> °	74.00
Formation Interval Top Anchor Len Beld Total Depth Blow Type	Lansing "J" Start Date/Time 7/13/2011 11:18 PM 3834.0 Bottom 3865.0 End Date/Time 7/14/2011 6:55 AM							
RECOVERY								

Gas

0%

0%

100%1015ft

Oft

Oft

6% 4.5ft

Oil

0% Oft

0% Oft

trace

29% 21.8ft

Water

0% Oft

0% Oft

26% 19.5ft

89% 155.8ft

Mud

0% Oft 39% 29.2ft

11% 19.2ft

100%10ft

Feet Description

1015 Gas in Pipe

Mud

**DST Fluids** 

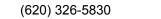
75

10

175

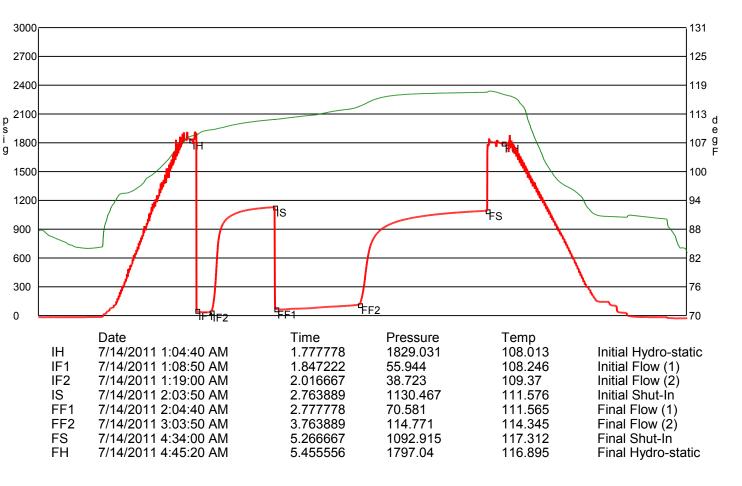
Gassy, heavy oil and water cut mud Slight mud cut water with slight trace of oil

96000



**RICKETTS TESTING** 

Page 2



**GAS FLOWS** 

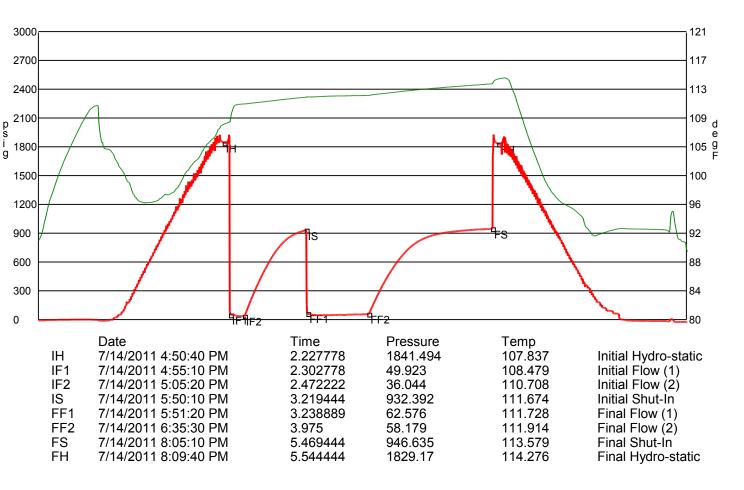
Min Into IFP Min Into FFP Gas Flows Pressure Choke

RICKETTS	TESTING	(620) 326-5830			Page 1					
Company Address CSZ Attn.	Shelby Resources, LLC 2717 Canal Blvd. Hays, KS 67601 Keith Reavis			Lease Name Lease # Legal Desc Section Township	Fisher 2-15 NW NE SE NE 15 25S		Job Ticket Range	14W		
Comments	Field: Jordan Jimmy did DST #1 Tim did the rest.			County Drilling Cont	Stafford St Sterling Drilling #4		State	KS		
GENERAL INFORMATION Chokes 3/4 Hole Size 7.7/8										
Test # <b>4</b> Tester Test Type		<b>Conventional Bottom Hole</b>		Chokes Top Recorder # Mid Recorder # Bott Recorder #	Hole Siz	Hole Size 7 7/8				
# of Packers	Successful Te 2.0	Packer Size	e 6 3/4	Mileage		Approve	Approved By			
Mud Type Mud Weight Filtrate	Gel Chem 9.5 10.0	Viscosity Chlorides	71.0 8500	Standby Time Extra Equipmnt Time on Site Tool Picked Up Tool Layed Dwn						
Drill Collar Len Wght Pipe Len				Elevation		Kelley E	Bushings <b>19</b>	74.00		
Formation Interval Top Anchor Len Bel Total Depth Blow Type	3900.0 Strong blow th			Start Date/Time 7/14/2011 2:37 PM End Date/Time 7/14/2011 10:26 PM  riod, reaching the bottom of the bucket hout the final flow period, hitting the						
	bottom of the bucket instantaneously. Gas 45, 45, 90.									

#### **RECOVERY**

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

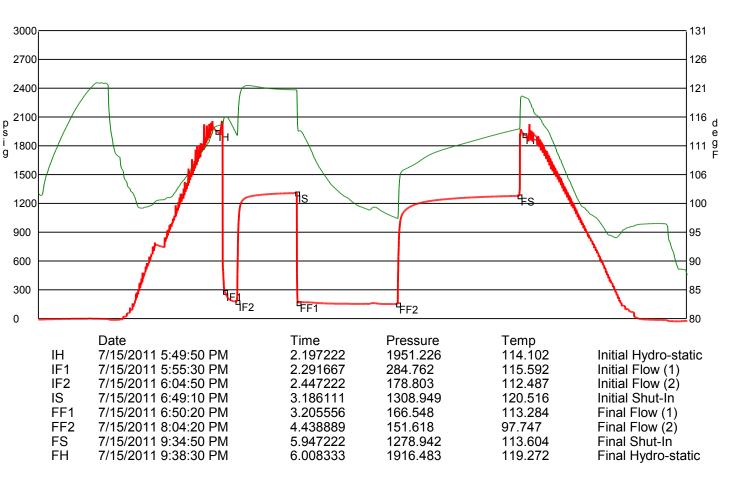
DST Fluids 0



#### GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	<u>Choke</u>
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

RICKETTS TESTING				(620) 326-5830			Pa	age 1	
Company Address CSZ Attn.	ress 2717 Canal Blvd.  Hays, KS 67601  Keith Reavis		Lease Name Lease # Legal Desc Section Township	Fisher 2-15 NW NE SE NE 15 25S			Job Ticke Range	14W	
Comments			County Drilling Cont		Stafford Sterling Drilling #4		State	KS	
GENERAL II	NFORMATIO	N							
Test # <b>5</b> Tester Test Type	Test Date 7/15/2011 Tim Venters Conventional Bottom Hole			Chokes Top Recorder # Mid Recorder # Bott Recorder #	W1022				
# of Packers	Successful Te 2.0	St Packer Size	e 6 3/4	Mileage Standby Time	44 0		Approv	ed By	
Mud Type Mud Weight Filtrate	Gel Chem 9.4 8.8	Viscosity Chlorides	68.0 6800	Extra Equipmnt Time on Site Tool Picked Up Tool Layed Dwr	Jars 2:50 4:30	PM PM	oint		
Drill Collar Len Wght Pipe Len				Elevation	1965		Kelley l	Bushings <b>1</b> 9	974.00
Formation Interval Top Anchor Len Bel Total Depth	4082.0	Start Date/Time End Date/Time	7/15/	/2011 11:40	PM				
Very strong blow throughout the intial 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 to surface, instantaneously. Weak surface blow back after we bled line off, last ing 30 to 40 minutes. Times: 10, 45, 75, 90.									
RECOVERY					611				
Feet Description 3865 Gas in Pi				Gas 100%3865ft	<u>Oil</u> 0%	Oft	Water 0% 0		ud % Oft
150 Mud	ρC			0% Oft	0%				00%150ft
DST Fluids	0								



#### **GAS FLOWS**

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
40	0	770.00	00.00	4.00 %
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

**OPERATOR** 

Company: Shelby Resources, LLC

Address: 445 Union Blvd.

Suite 208

Contact Geologist: Lakewood, CO 80228

Janine Sturdavant

Contact Phone Nbr: 720-274-4682 Well Name: Fisher #2-15

Location: Sec. 15 - T25S - R14W API: 15-185-23685-0000

Pool: Field: Jordan State: Kansas 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

The arm eathings were sa located in Wichita, KS.

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

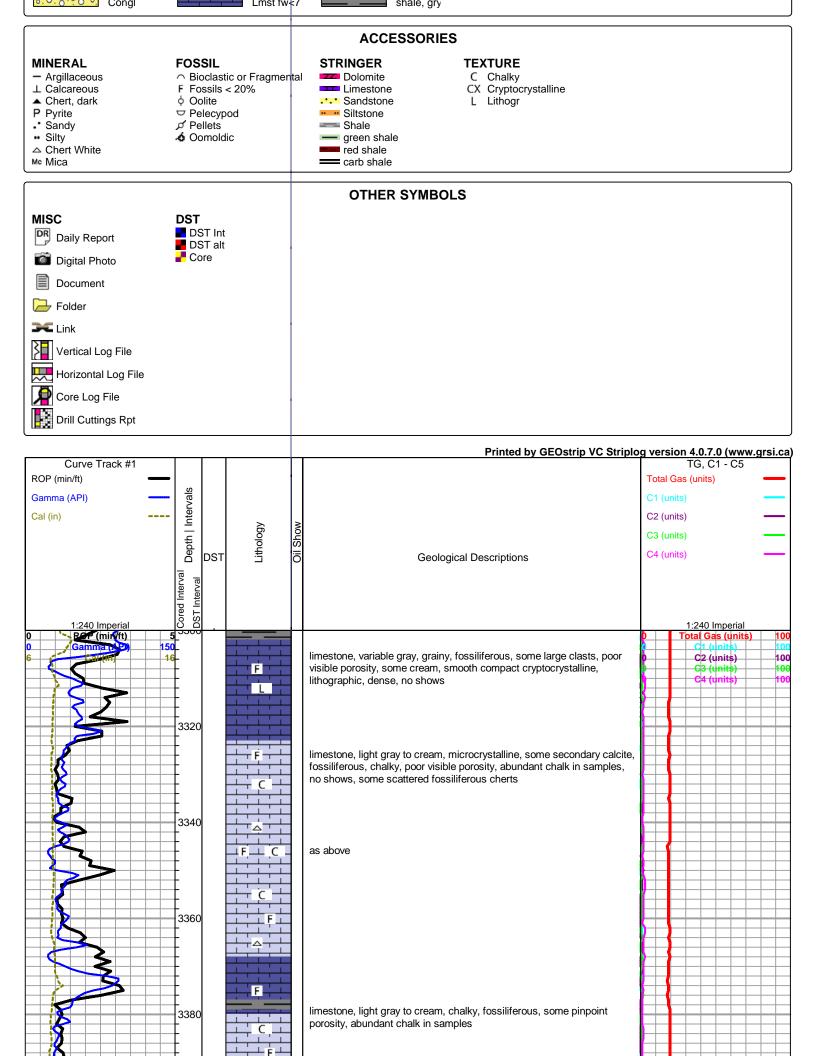
# Shelby Resources, LLC

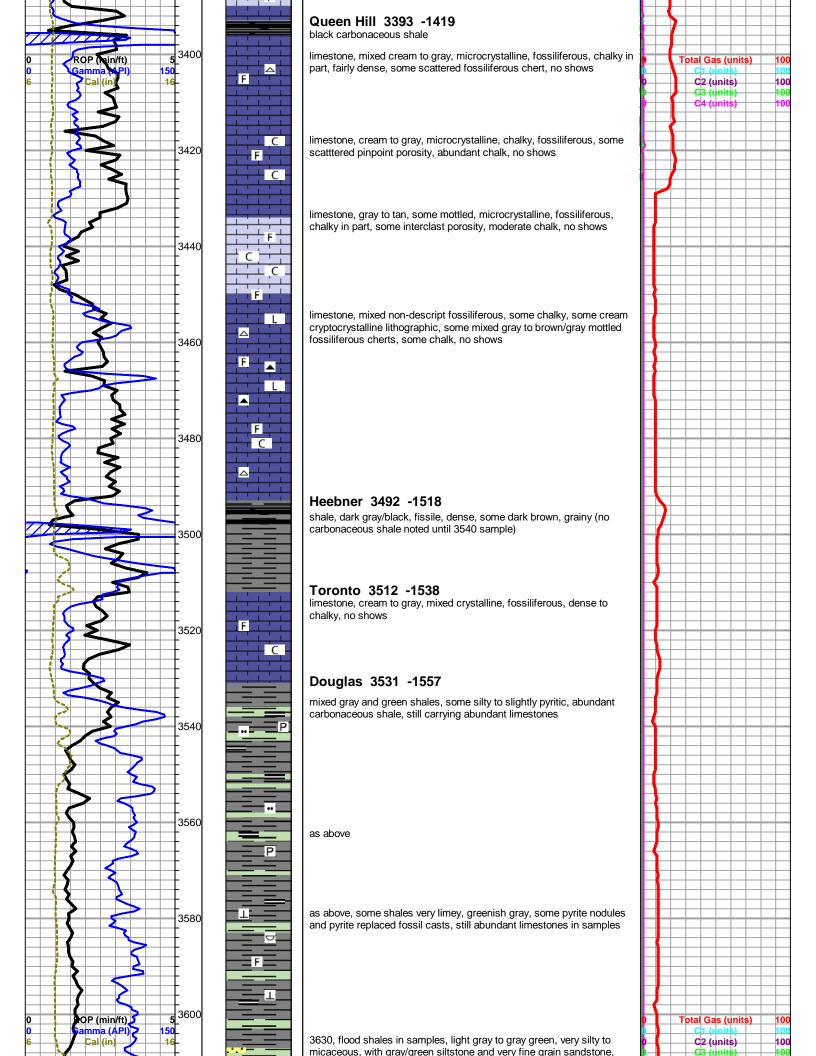
#### WELL COMPARISON SHEET

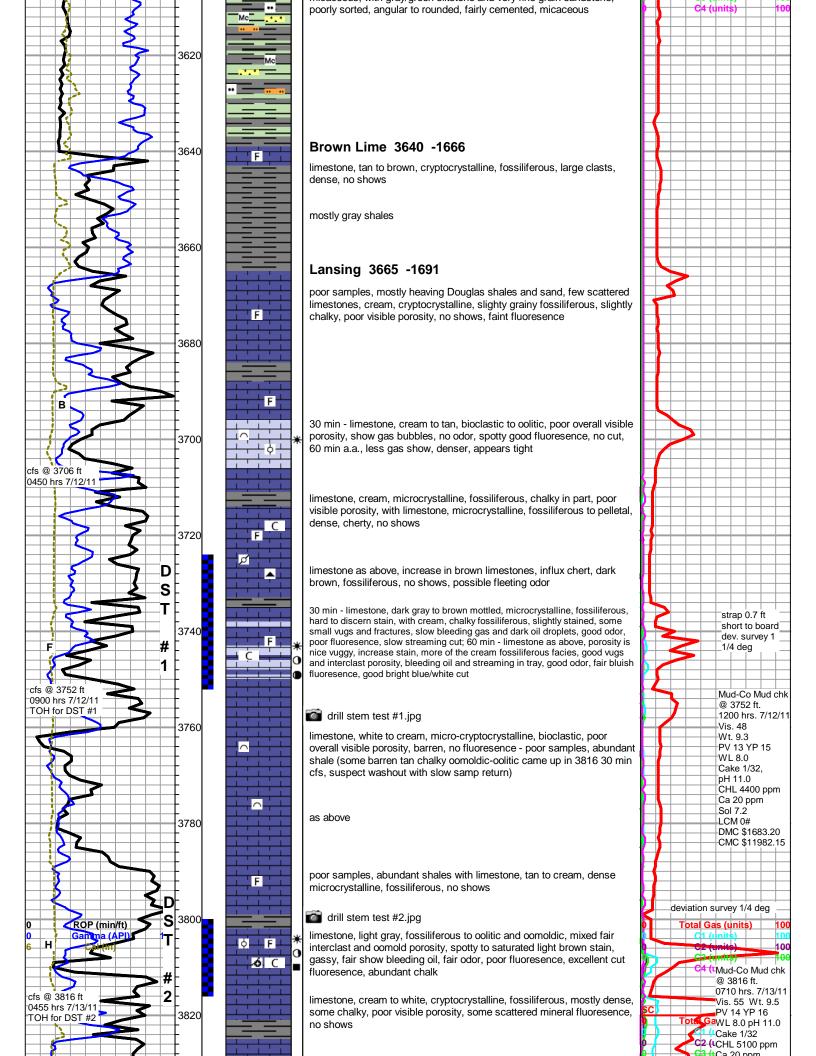
	DRILLING WELL				COMPARISON WELL			COMPARISON WELL				
	Fisher #2-15				Shelby – Fisher #1-15			Mid Cont HE Tanner #1				
		1505' FNL8	490' FE	L		1724' FNI	& 1110'	FEL		704' FNL	& 804' FV	٧L
		Sec. 15, T2	5S R14W	1		Sec. 15, 1	725S R14V	٧		Sec. 14, 7	T25S R14\	N
							Struct	tural			Struc	tural
	1974	KB			1974	1KB	Relatio	nship	1974	I KB	Relatio	onship
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

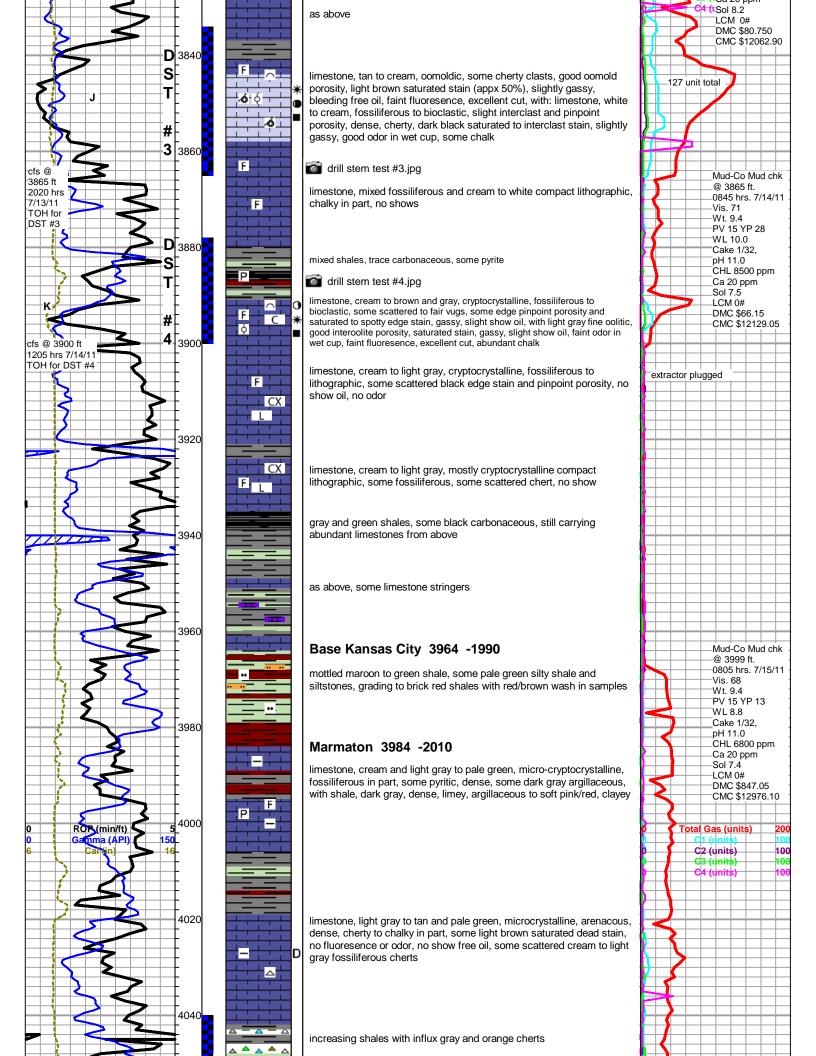


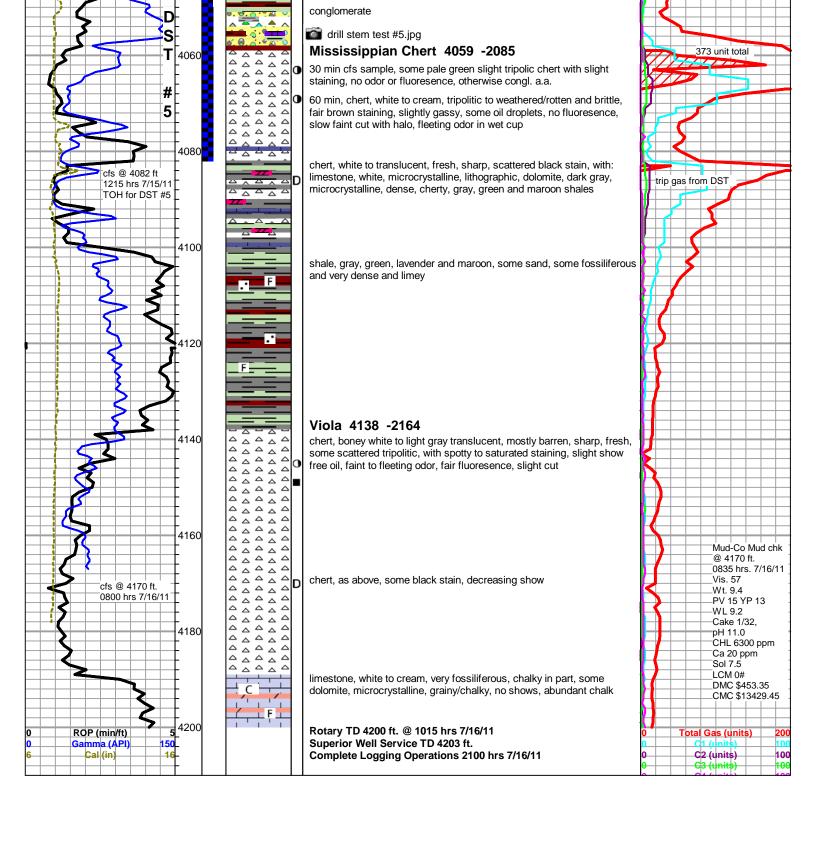
**ROCK TYPES** 











#### RICKETTS TESTING

(620) 326-5830

Page 1

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

Lease Name Lease # Legal Desc Section Township

Fisher NW NE SE NE

Job Ticket 3436 Range 14W

County Drilling Cont

15 255 Stafford Sterling Drilling #4

State KS

Comments

Field: Jordan

GENERAL INFORMATION

Test Date 7/12/2011

3/4 Chokes Top Recorder # 13767 Mid Recorder #

Hole Size 7 7/8

Jimmy Ricketts Tester Test Type

**Conventional Bottom Hole** Successful Test

Viscosity

Chlorides

Bott Recorder #w1023

Approved By

# of Packers

Test #1

Packer Size 6 3/4

Standby Time

Mud Type Mud Weight

Filtrate

**Gel Chem** 8.0

48.0

Extra Equipmnt Jars & Safety Joint 1:15 PM

Time on Site Tool Picked Up 2:30 PM Tool Layed Dwn10:00 PM

Drill Collar Len 213.0 Wght Pipe Len 0

Elevation

Kelley Bushings 1974.00

Final Hydro-static

Formation Interval Top Anchor Len Below 28.0

Lansing F 3724.0

3752.0 Bottom Between

4400

Start Date/Time7/12/2011 2:00 PM

1965.00

End Date/Time 7/12/2011 10:58 PM

Total Depth Blow Type

3752.0

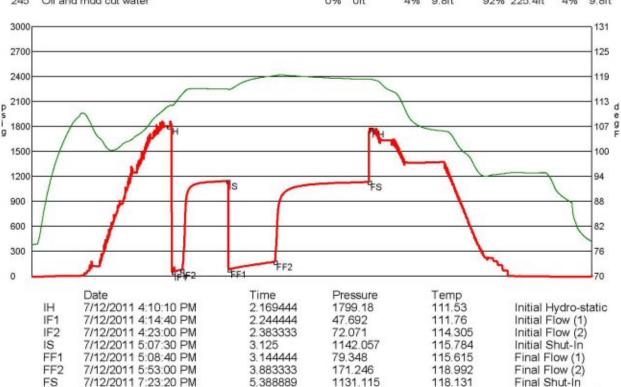
Strong blow throughout initial flow period. Bottom of bucket in 1 minute 10 seconds. 4 inch blow back during initial shut-in period. Strong blow throughout final flow period. Bottom of bucket in less then 1 minute. Strong blow back during final shut-in period. Gas to surface 22 minutes into final shut-in period. Times: 10, 45, 45, 90.

#### RECOVERY

FH

7/12/2011 7:25:20 PM

Feet	Description	Gas	Oil	Water	Mud
20	Gassy oil cut mud	6% 1.2ft	1% 0.2ft	0% Oft	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



5.422222

1767.221

118.186

(620) 326-5830

#### Page 1

#### RICKETTS TESTING

 Company
 Shelby Resources, LLC
 Lease Name
 Fisher

 Address
 2717 Canal Blvd.
 Lease #
 2-15

 CSZ
 Hays, KS 67601
 Legal Desc
 NW NE

 Attn.
 Keith Reavis
 Section
 15

 Legal Desc
 NW NE SE NE
 Job Ticket
 3436

 Section
 15
 Range
 14W

 Township County
 25S
 Stafford
 State
 KS

 Drilling Cont
 Sterling Drilling #4
 State
 KS

Comments Field: Jordan

Jimmy did DST #1 Tim did the rest.

GENERAL INFORMATION
Chokes 3/4 Hole Size 7 7/8

Test # 2 Test Date 7/13/2011 Top Recorder # W1119
Tester
Test Type Conventional Bottom Hole Successful Test

Test Date 7/13/2011 Top Recorder # W1119
Mid Recorder # W1022
Bott Recorder # 13310

# of Packers 2.0 Packer Size 6 3/4 Mileage 44 Approved By

Standby Time 0

Mud Type Gel Chem
Mud Weight 9.5 Viscosity 55.0 Extra Equipmnt Jars & Safety joint
Time on Site 6:50 AM

Filtrate 8.0 Chlorides 5100 Tool Picked Up 8:35 AM Tool Layed Dwn2:55 PM Drill Collar Len 213.0

Wght Pipe Len 0 Elevation 1965.00 Kelley Bushings 1974.00

Formation Lansing "H" Start Date/Time 7/13/2011 7:57 AM Interval Top 3800.0 Bottom 3816.0 End Date/Time 7/13/2011 2:49 PM

Interval Top 3800.0 Bottom 3816.0 End Date/Time 7/13/2011 2:49 PM
Anchor Len Below 16.0 Between 0
Total Depth 3816.0

Weak 1/2 inch blow at the start of the initial flow period, building, reaching t he 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.

#### RECOVERY

Description  1565 Gas in Pipe  55 Gassy, slight oil cut mud			Gas	Oil	Water	Mud
			100%1565ft 13% 7.2ft	0% Oft 10% 5.5ft	0% Oft 0% Oft	0% Oft 77% 42.4f
3000						121
2700						116
2400						111
2100					1	106
1800				794	1	101
1500				- 13		96
1200					\ \ \	90
900				46	1	85
600		/IS	/		1	80
	-/ //				1	
300					-	75
0	Date	Time	FF2 Pressure	Temp		70
IH	7/13/2011 9:39:00 AM	1.7	1815.31	108.29	9 Initi	al Hydro-static
IF1	7/13/2011 9:44:30 AM	1.791667	38.764	109.28		al Flow (1)
IF2 IS	7/13/2011 9:53:20 AM 7/13/2011 10:38:50 AM	1.938889 2.697222	14.554 890.942	111.04 111.56		al Flow (2) al Shut-In
FF1	7/13/2011 10:39:40 AM	2.711111	35.969	111.57		al Flow (1)
FF2	7/13/2011 11:24:10 AM	3.452778	17.684	111.97		al Flow (2)
FS	7/13/2011 12:56:30 PM	4.991667	963.529	112.8	46 Fin	al Shut-In
FH	7/13/2011 1:01:20 PM	5.072222	1782.429	113.34	49 Fin	al Hydro-static

Pag

(620) 326-5830

Company Address

CSZ

Attn.

Tester

Test Type

Blow Type

Lease Name Lease #

Shelby Resources, LLC 2717 Canal Blvd. Hays, KS 67601 Keith Reavis

2-15 Legal Desc NW NE SE NE Job Ticket 3436 Section Range 14W Township 255 County Stafford State KS Drilling Cont Sterling Drilling #4

Comments Field: Jordan

GENERAL INFORMATION

Jimmy did DST #1 Tim did the rest.

Chokes Hole Size 77/8 3/4

Fisher

Test Date 7/14/2011 Top Recorder # W1119 **Tim Venters** Mid Recorder # W1022 Bott Recorder # 13310 Conventional Bottom Hole Successful Test

# of Packers Packer Size 6 3/4 Mileage Approved By

Standby Time Mud Type **Gel Chem** 

Extra Equipmnt Jars & Safety joint Time on Site 10:20 PM Tool Picked Up 11:50 PM Viscosity Mud Weight 9.5 55.0 Filtrate Chlorides 5100 Tool Layed Dwn6:50 AM

Drill Collar Len 213.0 Wght Pipe Len 0 Elevation 1965.00 Kelley Bushings 1974.00

Formation Lansing "J" Start Date/Time 7/13/2011 11:18 PM Bottom 3865.0 End Date/Time 7/14/2011 6:55 AM

Interval Top 3834.0 Anchor Len Below 31.0 Total Depth 3865.0 Between

Weak 1/2 inch blow at the start of the intial flow period, building, reaching th 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.

#### RECOVERY

Feet Descri	75 Slight mud cut water with slight trace of oil			Oil	Water	Mud
75 Gassy 175 Slight				0% Oft 29% 21.8ft trace 0% Oft	0% Oft 26% 19.5ft 89% 155.8ft 0% Oft	0% Oft 39% 29.2f 11% 19.2f 100%10ft
DST Fluids	96000					
3000						131
2700						125
2400						119
2400						119
2100						113
1800				mak /		107
1500						100
						203
1200		fis		⊧s		94
900					1	88
600	_ /				1	82
	/		l		1	
300					-	76
0	TFf F2	TF1	FF2	2500		70
IH	Date 7/14/2011 1:04:40 AM	Time 1,777778	Pressure 1829.031	Temp 108.013	Initial L	ydro-static
IF1	7/14/2011 1:08:50 AM	1.847222	55.944	108.246	Initial FI	
IF2	7/14/2011 1:19:00 AM	2.016667	38.723	109.37	Initial FI	
IS FF1	7/14/2011 2:03:50 AM 7/14/2011 2:04:40 AM	2.763889 2.777778	1130.467 70.581	111.576 111.565	Initial Si Final Fl	
FF2	7/14/2011 3:03:50 AM	3.763889	114,771	114.345	Final Fl	
FS	7/14/2011 4:34:00 AM	5.266667	1092.915	117.312	Final Sh	nut-Ìn
FH	7/14/2011 4:45:20 AM	5.455556	1797.04	116.895	Final Hy	/dro-static

(620) 326-5830

Page 1

#### um stem test #-

Shelby Resources, LLC 2717 Canal Blvd. Company Lease Name Fisher 2-15 NW NE SE NE Address Lease # Legal Desc CSZ Hays, KS 67601 Job Ticket 3436 Attn. Keith Reavis Range 14W Section 15 Township 255 Stafford State KS County Drilling Cont Sterling Drilling #4

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

RICKETTS TESTING

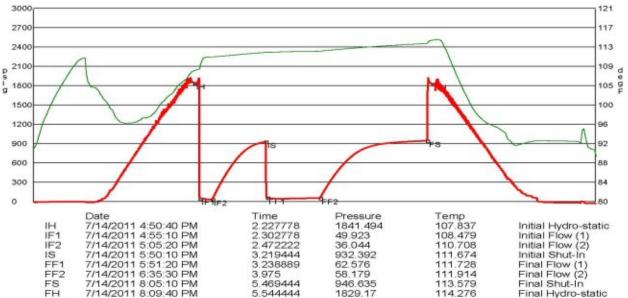
GENERAL INFORMATION Chokes Hole Size 77/8 Top Recorder # W1119 Test #4 Test Date 7/14/2011 Mid Recorder # W1022 **Tim Venters** Tester Conventional Bottom Hole Bott Recorder # 13310 Test Type Successful Test # of Packers Packer Size 6 3/4 Mileage Approved By Standby Time Mud Type Mud Weight Gel Chem Extra Equipmnt Jars & Safety joint Viscosity 9.5 71.0 Time on Site 2:15 PM Tool Picked Up 3:20 PM 10.0 Filtrate Chlorides 8500 Tool Layed Dwn10:25 PM Drill Collar Len 213.0 Wght Pipe Len 0 Elevation 1965.00 Kelley Bushings 1974.00 Formation Lansing "K" Start Date/Time 7/14/2011 2:37 PM Interval Top 3878.0 Bottom 3900.0 End Date/Time 7/14/2011 10:26 PM Anchor Len Below 22.0 Between 0 Total Depth

Total Depth
Blow Type

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,

#### RECOVERY

Feet	Description	Gas	Oil	Water	Mud
3660	Gas in Pipe	100%3660ft	0% Oft	O% Oft	O% Oft
1	Clean oil	O% Oft	100%1ft	0% Oft	O% Oft
10	Oil cut mud	O% Oft	30% 3ft	O% Oft	70% 7ft
60	Gassy, slight oil cut mud	8% 4.8ft	14% 8.4ft	O% Oft	78% 46.8ft
60	Mud cut oil	0% Oft	70% 42ft	O% Oft	30% 18ft
65	Very slight mud cut oil	0% Oft	97% 63ft	0% Oft	3% 2ft
3000					121



#### 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	

KS

#### RICKETTS TESTING

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

Lease Name Fisher Lease # Legal Desc Section 15

Township

2-15 NW NE SE NE Job Ticket 3436 Range 14W 258

State

County Stafford Drilling Cont Sterling Drilling #4

Field: Jordan Comments

Jimmy did DST #1 Tim did the rest.

#### GENERAL INFORMATION

Test #5 Test Date 7/15/2011 Tester **Tim Venters** Test Type **Conventional Bottom Hole** Successful Test

# of Packers Packer Size 6 3/4

Mud Type Mud Weight Gel Chem

68.0 9.4 8.8 Filtrate Chlorides 6800

Drill Collar Len 213.0 Wght Pipe Len 0

Formation 4040.0 4082.0 Bottom Interval Top Anchor Len Below 42.0 Between

Viscosity

Mississippian

Hole Size 77/8

Top Recorder # W1119 Mid Recorder # W1022 Bott Recorder #13310

Approved By Mileage Standby Time 0

Extra Equipmnt Jars & Safety joint Time on Site 2:50 PM

Tool Picked Up 4:30 PM Tool Layed Dwn11:35 PM

Elevation 1965.00 Kelley Bushings 1974.00

Start Date/Time 7/15/2011 3:38 PM End Date/Time 7/15/2011 11:40 PM

4082.0 Very strong blow throughout the intial flow period, hitting the bottom of the bu cket 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.

#### RECOVERY

Total Depth Blow Type

Feet Descr	iption		Gas	Oil	Water	Mud
3865 Gas in 150 Mud 3000	n Pipe		100%3865ft 0% Oft	0% Oft 0% Oft	0% Oft 0% Oft	0% Oft 100%150ft
2700	0 5					126
2100						116
1500						111
900		s		†s		100
300					1	90
0	F2	555	FF2	920		80
IH IF1 IF2 IS	Date 7/15/2011 5:49:50 PM 7/15/2011 5:55:30 PM 7/15/2011 6:04:50 PM 7/15/2011 6:49:10 PM	Time 2.197222 2.291667 2.447222 3.186111	Pressure 1951.226 284.762 178.803 1308.949	Temp 114.10 115.59 112.48 120.5	02 Initial 92 Initial 87 Initial	Hydro-static Flow (1) Flow (2) Shut-In
FF1 FF2	7/15/2011 6:50:20 PM 7/15/2011 8:04:20 PM 7/15/2011 9:34:50 PM	3.205556 4.438889 5.947222	166.548 151.618 1278.942	113,28 97,747 113,60	84 Final 7 Final	Flow (1)

#### GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
10	0	773.00 mof	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



#### **Fisher #2-15**

NW-NE-SE-NE 1505' FNL & 490' FEL Sec.15, T25s-R14w Stafford County, Kansas

API# 15-185-23685-00-00

Spud Date: 7/7/2011 Completed: 8/1/2011

Field: Jordan

GL: 1965' KB: 1974'

#### Surface Casing:

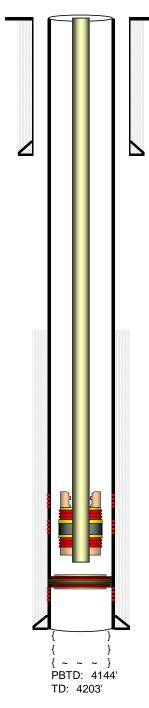
8-5/8" 23# set @ 950' Cemented with 400 sx 60/40 Poz-Mix

#### **Production Casing:**

5-1/2", 15.5# set @ 4170' Cemented with 250 sx 50 sx 60/40 scavenger 200 sx AA-2

5 1/2" x 2-3/8" packer (released)

Cement Retainer @ 4050'



TOC: Surface

#### **Production Equipment:**

5 1/2" x 2-3/8" packer (released) 121 joints of 2-3/8" tubing 2 x 1.5 x 12 RWT pump 157 x ¾" rods 1 1/4" x 16' PR and 8' liner

TOC: 2870' CBL

#### L-KC Perfs:

"H" 3810-14' (8) 8/29/11

1000 15%w/Penn 88-2 BPM @ 1500# 500 15% INS-1/2 BPM @ 800-1500#

"K" 3894-98' (8) 8/29/11

#### Mississippi Perfs:

4086-92' (24) 7/27/11

1000 15% INS w/25 ball sealers 2 BPM @ 1500#

500 15% INS-1/2 BPM @ 1600#



## TREATMENT REPORT

	The Qo	source	Lease No.			Dat	е		
1	9		Well #	-15			7-17	-//	
Jorder #	Station	att		Casing	Depth	Cou	nty / A	Cford	State
pe Job	5" L.S	,		CNW	Formation	4200	1	Legal Description	
PIPE	DATA	PERFOR	RATING DATA	FLUID (			TREATM	MENT RESU	
asing Size /	Tubing Size	Shots/Ft	50	Acid Go/	140 Pa-	RATE	PRESS	S ISIP	, pl
epth_//70.	Depth	From	To 200	Dro Dod		Max - 3	1 9 21	5 Min	
lume	Volume	From	То	Pad		Min		10 Mi	n
x Press	Max Press	From	TO RATH	Frac 30.	sks 6	Avgyo Po	-	15 Mi	n.
ell Connectio	n Annulus Vol.	From	To Mou	se Hole	205	HHP Used	140 PC	Annul	us Pressure
g Depth	Packer Dept	h From	То	Flush H	120	Gas Volume		Total I	_oad
stomer Rep	resentative	OHShal	Station	Manager Sco	4/4	Tr	eater ///	N	
rvice Units	28443	3370820	830 210	10 19832	/		N T	. \	
iver imes	Allen =	Toe M	elson Dal	· Phye					
Time	Casing Pressure	Tubing Pressure E	Bbls. Pumped	Rate			Service	Log	
SJOA	n			- Z	onhoc	· Discus		fet, Se	tun Alan.
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DOC					CHACH	-5/2"	595	Shoe J	oinst 20.
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20					Start	Runni	UC 1	lipe.	
005					TAS T	004	200	Pickup	To 4130
	11 5 11 11 17			7.74 - 8.14 A.10	40'8	W/ Ri	9.		
100	200		10	5	mixa	55KS 60	140 6	2020 12	SCAUER 15.3#
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	1			6	Drop ,	L. D. Plu	9 5	fart O	7 RBIS OU
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1245					7,06	com	Dlet.	2	*
					than	Ks All	er, C	Toe, 1	Dale
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10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

# ALLIED CEITENTING CO., LLC. 037244

O P.O. BOX 31 RUSSELL, KANSAS 67665

SERVICE POINT:

Tax = 1					6,4	tBend W)
	RANGE		CALLED OUT	ON LOCATION	JOB START	
LEASE FISHER WELL# 2	1.00	· n	_		10:301	JOB FINISH
OLD OR NEW (Circle one)		An 044	· \$ Staffard C	Oline 2	COUNTY	STATE
	Morth	5w	St To' 50 AV	e 14 North	west in To	
CONTRACTOR Steam	& Risy					
TYPE OF JOB Surface			OWNER She	Elby Ke	3000CE	5
CASING SIZE 8 22	T.D. 955 DEPTH 950.	4 4	CEMENT			
TUBING SIZE	DEPTH 138.	47	AMOUNT ORD	ERED You'S	1 65/35	+6% Gel
DRILL PIPE	DEPTH					
PRES. MAX 800	DEPTH		TOO 2X C/	assa432	sec + 2,8 Ga	1++ +100001
PRES. MAX 800 MEAS. LINE	MINIMUM		COMMON	510		
CUM ACAIM L DOWN	SHOE JOINT 4	2.12	POZMIX		@ 16.25 @ 8.50	8.287.50
PERFS.	.12		GEL	25	@ 21.25	531. 23
DISPLACEMENT 573			CHLORIDE	22	@ 58.20	1.280.70
EQUIP			ASC_Plo Seal		@	
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#311 DRIVER T. BULK TRUCK	-1-4		6.1		@	
#344-176 DRIVER 6					@	
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Pipe on Bother B.	KAK Circul	ation	١		TOTAL	15.595.
Duop Ball Circula	MAP MOUSE			SERVIC	112	
<u> </u>	1. 2				-1E	
+ 4 flosed Mix 25 + 290 GCI + 4 flosed	5734 (1255A	430 cc	DEPTH OF JOB	950	3. 24	
+2% GCI +7flosea	Shut De	10/80	PUMP TRUCK C	HARGE		25,00
	コレビュー ペフンハルト	49		JE_650	@	NC
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THADGETO SI ILL. C	Calare				@	
CHARGETO: Shelby R	1630MNCRS					
STREET					TOTAL.	1545.00
CITYSTATE	ZJP_			546		
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			- ~-	O G TEOM!	eQUIPIVIEN]	U
			Guide Sho		@ 374.00	394,00
To Allied Cementing Co., LLC.			INSELT		@ 311.00	311.00
You are hereby requested to ren	t cementing equipr	nent	Rybber Pl	45	@ 117,00	11Z.00
and furnish cementer and helper	r(s) to assist owner	<b>9</b> r	Basuett		@ 478.00	478.00
contractor to do work as is listed	d. The above work	was				
lone to satisfaction and supervision contractor. I have read and under	sion of owner agen	t or			TOTAL 1	1295.00
ERMS AND CONDITIONS"	isted on the "GENE	RAL	SALES TAX (If A			**
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