



KANSAS CORPORATION COMMISSION 1092258  
OIL & GAS CONSERVATION DIVISION

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 # 31725  
Name: Shelby Resources LLC  
Address 1: 2717 Canal Blvd  
Address 2: Suite C  
City: HAYS State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Chris Gottschalk  
Phone: ( 785 ) 623-1524  
CONTRACTOR: License # 5142  
Name: Sterling Drilling Company  
Wellsite Geologist: Keith Reavis  
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 #: \_\_\_\_\_

<u>06/20/2012</u>	<u>06/30/2012</u>	<u>07/01/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-145-21677-00-00  
Spot Description: \_\_\_\_\_  
SE NW SE SE Sec. 34 Twp. 21 S. R. 19  East  West  
895 Feet from  North /  South Line of Section  
980 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Pawnee  
Lease Name: Powell Well #: 1-34  
Field Name: \_\_\_\_\_  
Producing Formation: N/A  
Elevation: Ground: 2066 Kelly Bushing: 2077  
Total Depth: 4700 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 1210 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: 47000 ppm Fluid volume: 1000 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite:  
Operator Name: Shelby Res./ Captiva II  
Lease Name: Eakin License #: 31725  
Quarter SE Sec. 7 Twp. 22 S. R. 16  East  West  
County: Pawnee Permit #: D-30939

**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: Deanna Garrison Date: 09/07/2012



1092258

Operator Name: Shelby Resources LLC Lease Name: Powell Well #: 1-34  
 Sec. 34 Twp. 21 S. R. 19  East  West County: Pawnee

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: Compensated Neutron Dual Induction Micro	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 20%;">Top</td> <td style="width: 20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3638</td> <td>-1561</td> </tr> <tr> <td>Lansing</td> <td>3727</td> <td>-1650</td> </tr> <tr> <td>Base KC</td> <td>4045</td> <td>-1968</td> </tr> <tr> <td>Mississippian</td> <td>4238</td> <td>-2161</td> </tr> <tr> <td>Viola</td> <td>4434</td> <td>-2357</td> </tr> <tr> <td>Arbuckle</td> <td>4641</td> <td>-2564</td> </tr> <tr> <td>Total Depth</td> <td>4700</td> <td>-2623</td> </tr> </table>	Name	Top	Datum	Heebner	3638	-1561	Lansing	3727	-1650	Base KC	4045	-1968	Mississippian	4238	-2161	Viola	4434	-2357	Arbuckle	4641	-2564	Total Depth	4700	-2623
Name	Top	Datum																							
Heebner	3638	-1561																							
Lansing	3727	-1650																							
Base KC	4045	-1968																							
Mississippian	4238	-2161																							
Viola	4434	-2357																							
Arbuckle	4641	-2564																							
Total Depth	4700	-2623																							

CASING RECORD <input checked="" 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
Surface	12.25	8.625	24	1210	60/40 Poz	450	2% gel, 3% cc

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 (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

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> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Customer <i>Shelby Resources LLC</i>	Lease No.	Date <i>6-30-12</i>
Lease <i>Towell</i>	Well # <i>#1-34</i>	
Field Order # <i>05974A</i>	Station <i>Pratt KS</i>	Casing
Type Job <i>PTA</i>	Formation <i>cnw 104700'</i>	Depth
		County <i>RAWNEE</i>
		State <i>KS</i>
		Legal Description <i>34-21-19</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Spots/Ft		Acid	RATE	PRESS	ISIP	
	<i>4 1/2"</i>	<i>200 SKS</i>		<i>60/40 Poz</i>	<i>4% gel</i>		5 Min.	
Depth	Depth	From	To	Pre Pad	Max		10 Min.	
Volume	Volume	From	To	Pad	Min		15 Min.	
Max Press	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			

Customer Representative <i>Larry T.P.</i>	Station Manager <i>Scotty</i>	Treater <i>Allen</i>
--	----------------------------------	-------------------------

Service Units	<i>28443</i>	<i>27463</i>	<i>19826</i>	<i>19918</i>				
Driver Names	<i>Allen</i>	<i>Joe Melson</i>	<i>Steve</i>	<i>Young</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>2:30 PM</i>					<i>on Loc. Discuss Safety, Setup Plan Job</i>
					<i>Laying Down Drill Collars</i>
<i>4:30</i>					<i>start in Hole w/ Plugging Stands</i>
<i>7:30</i>				<b>[1st]</b>	<i>D.P. @ 45.50 50 SKS 60/40 Poz 4% gel 13.8'</i>
			<i>10</i>	<i>5</i>	<i>Pump 10-BBL H<sub>2</sub>O</i>
			<i>12.7</i>	<i>5</i>	<i>Mix + Pump 50 SKS cmt</i>
			<i>4</i>	<i>3</i>	<i>Pump 4-BBL H<sub>2</sub>O</i>
			<i>59</i>		<i>Disp w/ 59 BBLs MUD.</i>
<i>8:00</i>					<i>Pull Drill pipe</i>
<i>9:30</i>				<b>[2nd]</b>	<i>D.P. @ 1240 50 SKS 60/40 Poz 4% gel 13.8'</i>
			<i>15</i>	<i>5</i>	<i>Pump 15 BBL H<sub>2</sub>O</i>
			<i>12.7</i>	<i>5</i>	<i>Mix + Pump 50 SKS cmt</i>
			<i>5</i>	<i>4</i>	<i>Pump 5-BBL H<sub>2</sub>O</i>
<i>9:45</i>					<i>Pull Drill Pipe</i>
<i>10:45</i>				<b>[3rd]</b>	<i>D.P. @ 600 30-SKS 60/40 Poz 4% gel 13.8'</i>
			<i>5</i>	<i>4</i>	<i>Pump 5-BBL H<sub>2</sub>O</i>
			<i>7 1/2</i>	<i>5</i>	<i>Mix + Pump 30 SKS 60/40 Poz 4% gel 13.8'</i>
<i>10:55</i>			<i>3</i>	<i>4</i>	<i>Pump - 3-BBL H<sub>2</sub>O (Pull D.P.)</i>
<i>11:30</i>			<i>5</i>	<b>[4th]</b>	<i>60' To surface 20-SKS</i>
			<i>7 1/2</i>		<i>Rat Hole 30 SKS (Pull Mouse Hole)</i>
<i>12:30</i>			<i>5</i>		<i>mouse Hole 20 SKS</i>
<i>1:00</i>					<i>washup + Rackup Equip.</i>

*Thanks Joe  
Allen's Store*

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 449

Date	6-22-12	Sec.	34	Twsp.	21	Range	19	County	Pawnee	State	Ks	On Location		Finish	6:00 AM	
Lease	Powell		Well No.	1-34		Location Rozel, Ks - 1E, 15, 1/2 W, 5/16 into										
Contractor	Sterling Rig #2							Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Surface							Charge To								
Hole Size	12 1/4"		T.D.	1215'												
Csg.	8 5/8"		Depth	1200'												
Fbg. Size								Street								
Tool								City								
Cement Left in Csg.	36.29'		Shoe Joint	36.29'												
Meas Line								State								
The above was done to satisfaction and supervision of owner agent or contractor.																
Cement Amount Ordered 450 SX 60/40 3% CC 2% Gel																

### EQUIPMENT

Pumptrk	9	No.	Cementer	Matt										
			Helper											
Bulktrk	12	No.	Driver	Doug										
			Driver											
Bulktrk	fin.	No.	Driver	Rick										
			Driver											

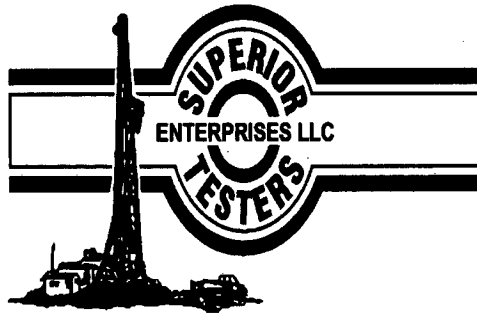
### JOB SERVICES & REMARKS

Remarks:	Cement did Circulate													
Rat Hole														
Mouse Hole														
Centralizers														
Baskets														
D/V or Port Collar														
	Handling 476													
	Mileage													

### FLOAT EQUIPMENT

Guide Shoe	1 - Weld-on													
Centralizer														
Baskets														
AFU Inserts														
Float Shoe														
Latch Down														
	1 - Baffle plate													
	1 - Rubber Plug													
Pumptrk Charge	Long Surface													
Mileage	41													

Signature														
	Tax													
	Discount													
	Total Charge													



## DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC.**

2717 Canal Blvd. Suite C Hays  
Kansas 67601

ATTN: Keith Reavis

### **Powell #1-34**

### **34-21s-19w-Pawnee**

Start Date: 2012.06.27 @ 09:15:00

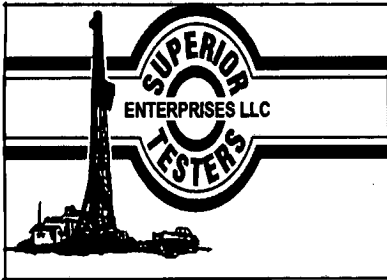
End Date: 2012.06.27 @ 16:10:30

Job Ticket #: 17690                      DST #: 1

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

Printed: 2012.06.28 @ 02:30:06

Shelby Resources LLC. 34-21s-19w-Pawnee Powell #1-34 DST # 1 Mississippian 2012.06.27



# DRILL STEM TEST REPORT

Shelby Resources LLC.  
 2717 Canal Blvd. Suite C Hays  
 Kansas 67601  
 ATTN: Keith Reavis

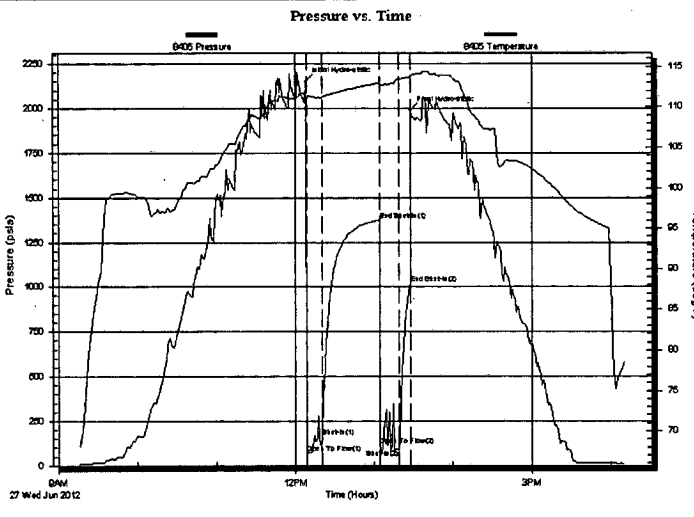
**34-21s-19w-Pawnee**  
**Powell #1-34**  
 Job Ticket: 17690      **DST#: 1**  
 Test Start: 2012.06.27 @ 09:15:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:08:30  
 Time Test Ended: 16:10:30  
 Interval: **4195.00 ft (KB) To 4250.00 ft (KB) (TVD)**  
 Total Depth: 4250.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-82  
 Reference Elevations: 2077.00 ft (KB)  
 2066.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8405**      **Inside**  
 Press@RunDepth: 93.70 psia @ 4246.51 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2012.06.27      End Date: 2012.06.27      Last Calib.: 2012.06.28  
 Start Time: 09:15:00      End Time: 16:10:30      Time On Btm: 2012.06.27 @ 12:08:00  
 Time Off Btm: 2012.06.27 @ 13:28:00

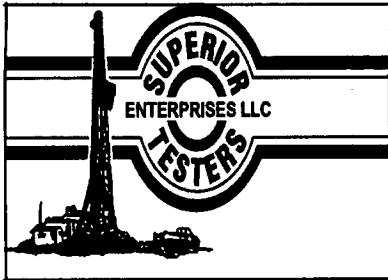
**TEST COMMENT:** 1st Open 10 minutes Weak surface blow  
 1st Shut in 45 minutes No blow back  
 2nd Open 16 minutes Blow dead Flushed no help  
 2nd Shut in 5 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2150.34	111.64	Initial Hydro-static
1	68.42	110.73	Open To Flow (1)
13	161.33	111.18	Shut-in(1)
56	1375.03	112.94	End Shut-in(1)
57	112.49	112.62	Open To Flow (2)
71	93.70	113.39	Shut-in(2)
80	1019.93	113.69	End Shut-in(2)
80	1989.44	113.91	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	Mudd 100%	0.30

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



# DRILL STEM TEST REPORT

Shelby Resources LLC.  
 2717 Canal Blvd. Suite C Hays  
 Kansas 67601  
 ATTN: Keith Reavis

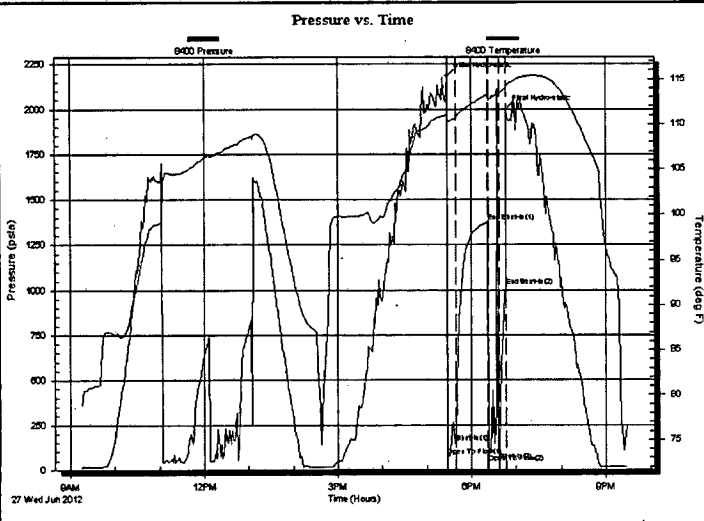
**34-21s-19w-Pawnee**  
**Powell #1-34**  
 Job Ticket: 17690      **DST#: 1**  
 Test Start: 2012.06.27 @ 09:15:00

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 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-82  
 Reference Elevations: 2077.00 ft (KB)  
 2066.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8400**      **Outside**  
 Press@RunDepth: 1017.54 psia @ 4247.51 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2012.06.27      End Date: 2012.06.27      Last Calib.: 2012.06.28  
 Start Time: 09:15:00      End Time: 21:28:53      Time On Btm: 2012.06.27 @ 17:26:53  
 Time Off Btm: 2012.06.27 @ 18:46:23

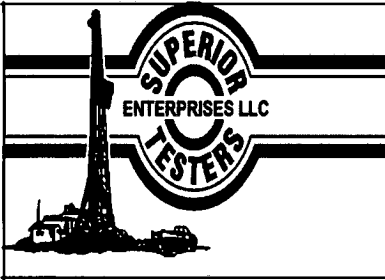
**TEST COMMENT:** 1st Open 10 minutes Weak surface blow  
 1st Shut in 45 minutes No blow back  
 2nd Open 16 minutes Blow dead Flushed no help  
 2nd Shut in 5 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2183.86	111.00	Initial Hydro-static
1	72.50	110.36	Open To Flow (1)
12	149.86	110.62	Shut-in(1)
56	1375.15	113.25	End Shut-in(1)
56	83.54	112.60	Open To Flow (2)
71	95.28	113.23	Shut-in(2)
79	1017.54	113.98	End Shut-in(2)
80	1995.60	114.31	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	Mudd 100%	0.30

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shelby Resources LLC.  
 2717 Canal Blvd. Suite C Hays  
 Kansas 67601  
 ATTN: Keith Reavis

**34-21s-19w-Pawnee**  
**Powell #1-34**  
 Job Ticket: 17690      **DST#: 1**  
 Test Start: 2012.06.27 @ 09:15:00

**Tool Information**

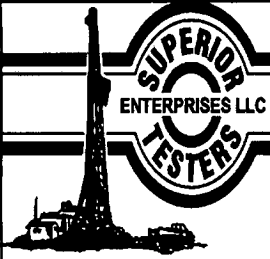
Drill Pipe:	Length: 3953.00 ft	Diameter: 3.80 inches	Volume: 55.45 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 249.22 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 56.68 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	27.22 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4195.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.51 ft			
Tool Length:	75.51 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4180.00	
Hydraulic Tool	5.00			4185.00	
Packer	5.00			4190.00	20.00 Bottom Of Top Packer
Packer	5.00			4195.00	
Anchor	5.00			4200.00	
Change Over Sub	0.75			4200.75	
Drill Pipe	32.01			4232.76	
Change Over Sub	0.75			4233.51	
Anchor	12.00			4245.51	
Recorder	1.00	8405	Inside	4246.51	
Recorder	1.00	8400	Outside	4247.51	
Bull Plug	3.00			4250.51	55.51 Bottom Packers & Anchor

**Total Tool Length: 75.51**





# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shelby Resources LLC.  
2717 Canal Blvd. Suite C Hays  
Kansas 67601  
ATTN: Keith Reavis

**34-21s-19w-Pawnee**  
**Powell #1-34**  
Job Ticket: 17690      **DST#: 1**  
Test Start: 2012.06.27 @ 09:15:00

### 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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Mudd 100%	0.305

Total Length: 62.00 ft      Total Volume: 0.305 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

