



KANSAS CORPORATION COMMISSION 1109787  
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 # 33025  
Name: Smitherman, Leon C., Jr.  
Address 1: 14331 TIPPERARY CIR  
Address 2: \_\_\_\_\_  
City: WICHITA State: KS Zip: 67230 + 1517  
Contact Person: Leon C. Smitherman, Jr.  
Phone: ( 316 ) 733-5434  
CONTRACTOR: License # 32854  
Name: Gulick Drilling Co., Inc.  
Wellsite Geologist: William Stout  
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 #: \_\_\_\_\_

12/23/2012	12/30/2012	1/17/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-015-23966-00-00  
Spot Description: \_\_\_\_\_  
NE SW SW Sec. 19 Twp. 24 S. R. 5  East  West  
500 Feet from  North /  South Line of Section  
600 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Butler  
Lease Name: WEBER Well #: A-4  
Field Name: Plum Grove East

Producing Formation: Mississippi  
Elevation: Ground: 1451 Kelly Bushing: 1454  
Total Depth: 2770 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 214 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: 1000 ppm Fluid volume: 500 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite:  
Operator Name: Leon C. Smitherman, Jr.  
Lease Name: Weber "A" License #: 33025  
Quarter SW Sec. 19 Twp. 24 S. R. 5  East  West  
County: Butler Permit #: E-30891

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: 01/24/2013



1109787

Operator Name: Smitherman, Leon C., Jr. Lease Name: WEBER Well #: A-4  
 Sec. 19 Twp. 24 S. R. 5  East  West County: Butler

**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 checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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: <b>Attached</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input 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>Cherokee</td> <td>2503</td> <td>-1049</td> </tr> <tr> <td>Ardmore</td> <td>2540</td> <td>-1086</td> </tr> <tr> <td>Mississippi</td> <td>2570</td> <td>-1116</td> </tr> <tr> <td>Mississippi Chert</td> <td>2576</td> <td>-1122</td> </tr> <tr> <td>Mississippi Lime</td> <td>2664</td> <td>-1210</td> </tr> <tr> <td>Kinderhook</td> <td>2707</td> <td>-1253</td> </tr> </table>	Name	Top	Datum	Cherokee	2503	-1049	Ardmore	2540	-1086	Mississippi	2570	-1116	Mississippi Chert	2576	-1122	Mississippi Lime	2664	-1210	Kinderhook	2707	-1253
Name	Top	Datum																				
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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	12.250	8.625	23	224	Class A	115	
Long String	7.875	5.500	15.500	2760	Thickset	165	

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
2	2578-2616	38ft	4000 gal acid	

TUBING RECORD: Size: <u>2.875</u> Set At: <u>2719.22</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>1/19/2013</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>14</u>	Gas Mcf	Water Bbls. <u>280</u> 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Smitherman, Leon C., Jr.
Well Name	WEBER A-4
Doc ID	1109787

All Electric Logs Run

Gama-Neutron
Density
Induction
Sonic
Micro

**GEOLOGICAL REPORT**  
**Leon C. Smitheman, Jr.**  
 Weber A #4  
 NE SW SW SW Section 19-74S-R5E  
 Butler County, Kansas

COMMENCED: 12-23-12  
 COMPLETED: 12-28-12  
 CONTRACTOR: Giddens Drilling Company  
 SIZE OF HOLES: 7 1/2" & 4 1/2"  
 SURFACE PIPES: 4 1/2" & 3"  
 COMMENTS: WITH N/A  
 LOGGING STRINGS: 5 1/2" & 3"  
 COMMENTS: WITH N/A  
 R.T.D. 2770

STATUS: OIL  
 A.P.I. # 19-03-2000  
 OPERATOR: G.C. 2005  
 FIELD: Permian Down East  
 ELEVATION: 1484 M  
 LOGS: PER CENTRAL M.T.C.S.  
 AND SYSTEM: Common  
 OTHER:  
 12-28-12  
 William M. Ginn  
 Geologist

**FORMATION TOPS**

1446 G.L. 1453 K.L.

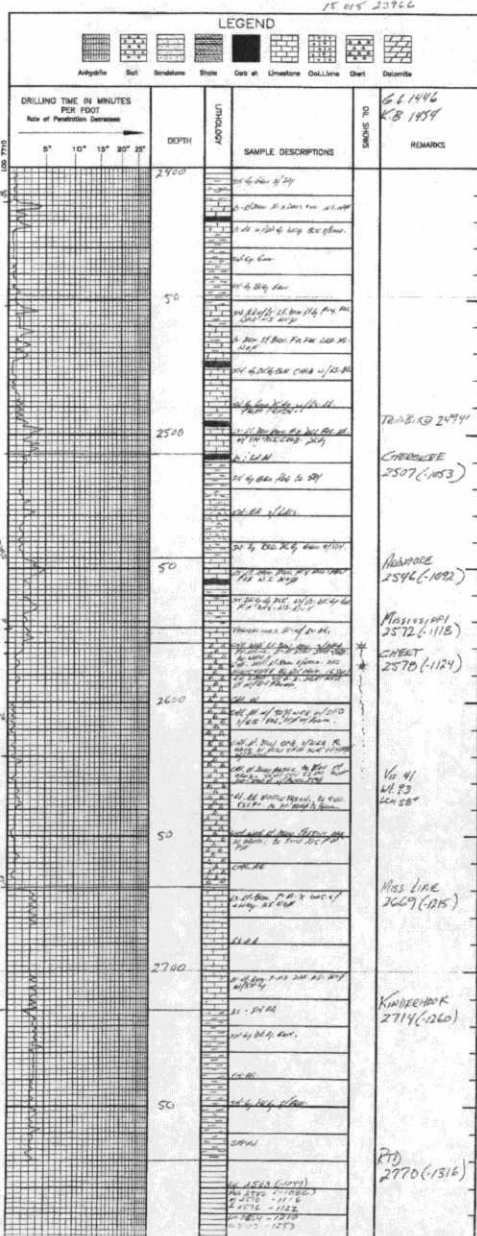
Formation	Sample	Log
Cherokee	2507-1083	2503-1049
Arkmore	2546-1092	2540-1086
Mississippi	2572-1118	2570-1116
Mississippi Chert	2578-1124	2576-1122
Mississippi Lime	2669-1215	2664-1210
Kindershook	2714-1260	2707-1253
Total Depth	2770-1316	2765-1311

**SAMPLE DESCRIPTIONS**

Mississippi Chert 2566' (-1123)  
 2578' - 2629'  
 Chert - white, light brown, opaque, good odor, light stain, weathered with  
 pits present and vugular porosity, show fine oil with gas bubbles, good  
 fluorescence.

**CONCLUSIONS**

The decision to run casing was made to further evaluate the shows in the Mississippi  
 through perforations.





PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

ENTERED

TICKET NUMBER 38408  
LOCATION Eureka KS  
FOREMAN Shannon Feck

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-015-23966

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-27-12	7682	Weber # A-4	19	245	5E	Butler
CUSTOMER Leon Smitherman JR.			Glick Drlg			
MAILING ADDRESS 14331 Tipperary Circle						
CITY Wichita	STATE KS	ZIP CODE 67230				
TRUCK #	DRIVER	TRUCK #				
			445	Dave G		
			667	Chris B		

JOB TYPE S/P HOLE SIZE 12 1/4" HOLE DEPTH 224' CASING SIZE & WEIGHT 8 5/8" @  
 CASING DEPTH 214.0" 6L DRILL PIPE --- TUBING --- OTHER ---  
 SLURRY WEIGHT 14.5-15# SLURRY VOL --- WATER gal/sk 6.5 CEMENT LEFT in CASING 15-20'  
 DISPLACEMENT 13.4 Bbl DISPLACEMENT PSI --- MIX PSI --- RATE 5 BPM

REMARKS: Rig up to 8 5/8" casing, Break circulation w/ 5 Bbl water, mixed 115 SKS Class "A" cement with 3% calcium, 2% gel, & 1/4# Flo-seal/sk @ 14.5-15 #/gal. Displace with 13.4 Bbl water & shut casing in. NO cement returns, circulation was up & down, Falling Back Fast. Stage #7 Run 1" tubing to 75' Tag Cement pump 80 SKS Class "A" cement with 3% calim, 2% gel & 1# phenoseal/sk, no circulation, no cement to surface, wait 1 1/2 HRS Pump 40 SKS Class "A" cement with 3% calcium 2% gel & 1# phenoseal/sk good circulation good cement returns to surface. Job complete

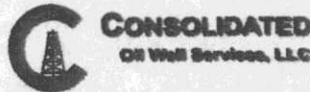
"Thanks Shannon & Crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	825.00	825.00
5406	15	MILEAGE	4.00	60.00
11045	115 SKS	Class "A" Cement	14.95	1719.25
1102	325 #	Calcium @ 3%	.74	240.50
1118B	220 #	gel @ 2%	.21	46.20
1107	30 #	Flo-seal @ 1/4#/sk	2.35	70.50
5407	5.4 Tons	Ton mileage bulk Truck	m/c	350.00
11045	120 SKS	Class "A" Cement	14.95	1794.00
1102	340 #	Calcium @ 3%	.74	251.60
1118B	230 #	gel @ 2%	.21	48.30
1107A	120 #	phenoseal @ 1#/sk	1.29	154.80
5407	5.64 Tons	Ton mileage bulk Truck	m/c	350.00
			Sub Total	5910.15
			SALES TAX 6.55%	283.30
			ESTIMATED TOTAL	6193.45

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AUTHORIZATION [Signature] TITLE Tool Pusher DATE 12-27-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**ENTERED**  
**FIELD TICKET & TREATMENT REPORT**  
**CEMENT API # 15-015-23966**

TICKET NUMBER 38410  
LOCATION Eureka KS  
FOREMAN Shannon Feck

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-31-12	7682	Weber # A-4	19	245	SE	Butler
CUSTOMER Leon Smitherman Jr. Mailing Address 14331 Tipperary Circle CITY Wichita			Golik Drig			
STATE KS			ZIP CODE 67230			
TRUCK #		DRIVER		TRUCK #		DRIVER
445		Dave G				
515		Merle R				

JOB TYPE 45 HOLE SIZE 7 7/8" HOLE DEPTH 2770' CASING SIZE & WEIGHT 5 1/2" @ 15.50#  
 CASING DEPTH 2760, 24 6L DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4-13.6# SLURRY VOL 61 Bbl WATER gal/sk 9.0 CEMENT LEFT IN CASING 21.16'  
 DISPLACEMENT 67 3/4 Bbl DISPLACEMENT PSI 900 MIX PSI Bump @ 1200 RATE 5 BPM

REMARKS: Rig up to 5 1/2" casing, Break circulation w/ 15 Bbl water, mixed 165 SKS Thick Set Cement w/ 5# Kol-Seal/SK @ 13.4-13.6#/gal. Put 20 SKS in rathole, Total of 185 SKS. Shut down wash out pump & lines, displace w/ 67 3/4 Bbl water. Final pumping psi of 900 psi, bumped Plug @ 1200 psi. Plug & Float held. Good circulation @ all times. Job Complete.

"Thanks Shannon & Crew"

Centralizer on # 2,4,5,6,7, Basket on # 7

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1030.00	1030.00
5406	15	MILEAGE	4.00	60.00
1126 A	185 SKS	Thickset Cement	19.20	3552.00
1110 A	925 #	Kol-seal @ 5#/SK	.46	425.50
5407	10.17 Tons	Ton mileage bulk Truck	m/c	350.00
4104	1	5 1/2" Cement Basket	229.00	229.00
4130	5	5 1/2" x 7 7/8" Centralizers	48.00	240.00
4203	1	5 1/2" Guide Shoe	160.00	160.00
4228 B	1	5 1/2" AFU insert Float Valve	172.00	172.00
445H	1	5 1/2" Latch down Plug	254.00	254.00
			Sub Total	6472.50
			SALES TAX	329.64
			ESTIMATED TOTAL	6802.14

Ravin 3737

AUTHORIZATION

*[Signature]*

TITLE

0306049

DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

COPY