

10/29/09

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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365  
Name: Layne Energy Operating, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Timothy H. Wright  
Phone: (913) 748-3960  
Contractor Name: McPherson Drilling  
License: 5675  
Wellsite Geologist: \_\_\_\_\_

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Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

7/9/2007 7/11/2007 8/7/2007  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 205-27247-00-00  
County: Wilson  
\_\_\_\_\_ SW SW Sec. 833 Twp. 3730 S. R. 14  East  West  
644 feet from S / N (circle one) Line of Section  
864 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: McCabe Well #: 13-33  
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals  
Elevation: Ground: 898' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1450' Plug Back Total Depth: 1444'  
Amount of Surface Pipe Set and Cemented at 44 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1444'  
feet depth to Surface w/ 155 sx cmt.

Drilling Fluid Management Plan AK IN 32409  
(Data must be collected from the Reserve Pit)  
Chloride content N/A ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used N/A - Air Drilled  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: \_\_\_\_\_  
Title: Agent Date: 10-29-07  
Subscribed and sworn to before me this 29 day of October,  
2007  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2009

MaCLAUGHLIN DARLING  
Notary Public - State of Kansas  
My Appt. Expires 1-4-2009

KCC Office Use ONLY  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_ RECEIVED  
 Wireline Log Received KANSAS CORPORATION COMMISSION  
 Geologist Report Received  
OCT 30 2007  
UIC Distribution  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: McCabe Well #: 13-33  
 Sec. 8 Twp. 31 S. R. 14  East  West County: Wilson

**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 copy of all Electric Wireline 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 <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Density Neutron Dual Induction	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>893 GL</td> <td>5</td> </tr> <tr> <td>Excello Shale</td> <td>1017 GL</td> <td>-119</td> </tr> <tr> <td>V-Shale</td> <td>1087 GL</td> <td>-189</td> </tr> <tr> <td>Mineral Coal</td> <td>1131 GL</td> <td>-233</td> </tr> <tr> <td>Mississippian</td> <td>1384 GL</td> <td>-486</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	893 GL	5	Excello Shale	1017 GL	-119	V-Shale	1087 GL	-189	Mineral Coal	1131 GL	-233	Mississippian	1384 GL	-486
Name	Top	Datum																	
Pawnee Lime	893 GL	5																	
Excello Shale	1017 GL	-119																	
V-Shale	1087 GL	-189																	
Mineral Coal	1131 GL	-233																	
Mississippian	1384 GL	-486																	

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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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	44'	Class A	75	Type 1 cement
Casing	6.75"	4.5"	10.5	1444'	Thick Set	155	#10 KOL seal @ sx

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>
	See Attached Page	Depth
		RECEIVED KANSAS CORPORATION COMMISSION OCT 30 2007 CONSERVATION DIVISION WICHITA, KS

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	1379'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 8/16/2007		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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio    Gravity
	0	16	0	

Disposition of Gas    **METHOD OF COMPLETION**    Production Interval

Vented     Sold     Used on Lease     Open Hole     Perf.     Dually Comp.     Commingled  
*(If vented, Submit ACO-18.)*     Other (Specify) \_\_\_\_\_

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	McCabe 13-33		
	Sec. 33 Twp. 30S Rng. 14E, Wilson County		
<b>API:</b>	15-205-27247-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations</b>			
4	Rowe 1338' - 1340'	2400 lbs 20/40 sand 218 bbls water 570 gals 15% HCl acid	1338' - 1340'
4	Mineral 1130' - 1132'	1400 lbs 20/40 sand 157 bbls water 450 gals 15% HCl acid	1130' - 1132'
4	Croweburg 1087' - 1090' Bevier 1068' - 1070'	6400 lbs 20/40 sand 432 bbls water 600 gals 15% HCl acid	1068' - 1090'
4	Mulky 1017' - 1022' Summit 1002' - 1005'	8700 lbs 20/40 sand 809 bbls water 750 gals 15% HCl acid	1002' - 1022'

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**GEOLOGIC REPORT**

LAYNE ENERGY  
McCabe 13-33  
SW SW, 644 FSL, 864 FWL  
Section 33-T30S-R14E  
Wilson County, KS

Spud Date: 7/9/2007  
Drilling Completed: 7/11/2007  
Logged: 7/11/2007  
A.P.I. #: 15205272470000  
Ground Elevation: 898'  
Depth Driller: '  
Depth Logger: 1449'  
Surface Casing: 8.625 inches at 44'  
Production Casing: 4.5 inches at 1472'  
Cemented Job: 0  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

<b>Formation</b>	<b>Tops</b>	
	<b>(below ground)</b>	<b>(subsea)</b>
Quaternary	Surface (Alluvium)	898
Pawnee Limestone	893	5
Excello Shale	1,017	-119
"V" Shale	1,087	-189
Mineral Coal	1,131	-233
Mississippian	1,384	-486

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CONSOLIDATED OIL WELL SERVICES, INC.  
P.O. BOX 884, CHANUTE, KS 66720  
620-431-9210 OR 800-467-8676

CKET NUMBER 12064  
LOCATION EUREKA  
FOREMAN RICK LEOPARD

TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
7-12-07	4758	McCabe 13-33				Wilson	
CUSTOMER LANE Energy		605 Jones		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 160				463	Kyle		
CITY Sycamore		STATE KS	ZIP CODE	502	Shannon		

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1450' CASING SIZE & WEIGHT 4 1/2" 10.5"  
 CASING DEPTH 1444' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2# SLURRY VOL 46 bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 23 bbl DISPLACEMENT PSI 700 RATE PSI 1200 RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 30 bbl fresh water. Pump 8 sks gel-flush w/ bulls, 5 bbl water spacer, 20 bbl metasilicate pre-flush, 5 bbl water spacer, 13 bbl dye water. Mixed 150 sks thickset cement w/ 10" Kel-seal @ 13.2# per bbl. Washout pump + loss, shut down. release plug. Displace w/ 23 bbl fresh water. Final pump pressure 700 PSI. Bump plug to 1200 PSI. wait 2 minutes release pressure, float held. Good cement returns to surface = 8 bbl slurry to pit. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	840.00	840.00
5406	1	MILEAGE 2nd well		
1126A	150 sks	thickset cement	15.40	2310.00
1110A	1500 #	10" Kel-seal @ 1/sk	.38	570.00
1119A	400 #	gel-flush	.15	60.00
1105	50 #	bulls	.36	18.00
1102	82 #	cable	.67	53.60
1111A	100 #	metasilicate pre-flush	1.65	165.00
5407A	8.25	con-mileage bulk trk	1.10	363.00
4404	1	4 1/2" top rubber plug	40.00	40.00
			Subtotal)	4419.60
			6.3% SALES TAX	202.65
			ESTIMATED TOTAL	4622.25

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AUTHORIZATION called by Muggs TITLE Co. Rep. DATE \_\_\_\_\_

14425

CONSOLIDATED OIL WELL SERVICES, INC.  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

TICK NUMBER 1208b  
 LOCATION EUROKA  
 FOREMAN KEVIN MCCOY

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-9-07	4758	MCCABE #13-33				WILSON

CUSTOMER <u>Layne Energy</u>		McPherson Drlg. Co.	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 160</u>			445	Justin		
CITY <u>Sycamore</u>			479	JEFF	CONFIDENTIAL	
STATE <u>Ks</u>	ZIP CODE				OCT 29 2007	

JOB TYPE SURFACE HOLE SIZE 11" HOLE DEPTH 45' CASING SIZE & WEIGHT 8 5/8 CC  
 CASING DEPTH 44' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 # SLURRY VOL 18 BBL WATER gal/sk 6.5 CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 2 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 8 5/8 casing. Pump 5 BBL Fresh water  
Ahead of Cement w/ very poor fluid returns to surface on annulus  
of 8 5/8. Mixed 75 sks class "A" cement w/ 2% CACL2, 2% GEL @ 14.8 #  
per gal, yield 1.35. Displace w/ 2 BBL fresh water. Shut casing in.  
Job complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	650.00	650.00
5406	40	MILEAGE	3.30	132.00
1104S	75 SKS	CLASS "A" Cement	12.20	915.00
1102	140 #	CACL2 2%	.67 #	93.80
1118 A	140 #	GEL 2%	.15 #	21.00
5407	3.52 TONS	TON Mileage BULK TRUCK	MIC	285.00
			Sub Total	2096.80
THANK YOU			SALES TAX 6.3%	64.81
			ESTIMATED TOTAL	2161.61

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AUTHORIZATION Called By McPherson Drlg. TITLE Contractor DATE \_\_\_\_\_

DWC. \$5142

# Daily Well Work Report

MCCABE 13-33

7/11/2007

**Well Location:**  
WILSON KS  
30S-14E-33 SW SW  
644FSL / 864FWL

**Cost Center** G01015400500  
**Lease Number** G010154  
**Property Code** KSSY30S14E3313  
**API Number** 15-205-27247

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
7/9/2007	7/11/2007	8/7/2007	8/16/2007	8/16/2007	MCCABE_13_33
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1450	1444	44	1444		

<b>Reported By</b> krd	<b>Rig Number</b>	<b>Date</b> 7/9/2007
<b>Taken By</b> krd		<b>Down Time</b>
<b>Present Operation</b> Drill out from under surface		<b>Contractor</b> McPherson Drilling

## Narrative

MIRU McPherson Drilling, drilled 11' hole, 44' deep, rih w/2jt 8-5/8" surface casing. RU Consolidated. Pump 5 bbls fresh water ahead of cement w/very poor fluid returns to surface on annulus of 8-5/8". Mixed 75 sks class "A" cement w/2% cacalz, 2% Gel @14.8# per/gal. Yield 1.35. displace w/ 2 bbls fresh water. Shut casing in. RD MOL. DWC:\$5162

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