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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

ORIGINAL

Operator: License # 33365  
 Name: Layne Energy Operating, LLC  
 Address: 1900 Shawnee Mission Parkway  
 City/State/Zip: Mission Woods, KS 66205  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: M. B. Natrass  
 Phone: ( 913 ) 748-3987  
 Contractor: Name: McPherson Drilling  
 License: 5675  
 Wellsite Geologist: \_\_\_\_\_  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     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. \_\_\_\_\_  

<u>6/14/2005</u>	<u>6/16/2005</u>	<u>8/5/2005</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 125-30766-00-00  
 County: Montgomery  
 E/2 NW NE Sec. 13 Twp. 31 S. R. 14  East  West  
559 feet from S /  (circle one) Line of Section  
1693 feet from  W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Sherwin Farms Well #: 2-13  
 Field Name: Cherokee Basin Coal Area  
 Producing Formation: Cherokee Coals  
 Elevation: Ground: 948 Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1488' Plug Back Total Depth: 1473'  
 Amount of Surface Pipe Set and Cemented at 20' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 1178  
 feet depth to Surface w/ 135 sx cmt.  
 Drilling Fluid Management Plan  
 (Data must be collected from the Reserve Pit) ALT II WITH 9-28-07  
 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: M B Natrass  
 Title: Agent Date: 9/26/2005  
 Subscribed and sworn to before me this 27<sup>th</sup> day of September,  
 20 05.  
 Notary Public: [Signature]  
 Date Commission Expires: 10/14/2008

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**MARGARET ALLEN**  
 Notary Public - State of Kansas  
 My Appt. Expires \_\_\_\_\_

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Side Two

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ORIGINAL

Operator Name: Layne Energy Operating, LLC

Lease Name: Sherwin Farms SEP 20 2005 Well #: 2-13

Sec. 13 Twp. 31 S. R. 14 [x] East [ ] West

County: Montgomery

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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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pawnee Lime	896 GL	52
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1032 GL	-84
List All E. Logs Run:		V Shale	1090 GL	-142
Compensated Density Neutron		Mineral Coal	1136 GL	-188
Dual Induction		Mississippian	1390 GL	-442

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	8.65	24	20	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1484'	Thick Set	150	

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 (Amount and Kind of Material Used)	Depth
	See Attached		

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TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	1413'			
Date of First, Resumed Production, SWD or Enhr.			Producing Method			
9/15/2005			<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	1	105			

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Sherwin Farms 2-13		
	Sec. 13 Twp. 31S Rng. 14E, Montgomery County		
<b>API:</b>	15-125-30766		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1382.5-1353.5, 1342-1343.5, 1218-1221, 1136.5-1138	Riverton, Rowe, Weir, Mineral - 1,700 15% HCL Acid, 368 bbls Water 3,000 # 20/40 Sand	1136.5-1353.5
4	1090-1094, 1070-1073, 1031.5-1036.5, 1013-1015.5, 893.5-894.5	Croweberg, Bevier, Mulkey, Summit, Mulberry - 2,300 15% HCL Acid, 597 bbls Water 7,300 # 20/40 Sand	893.5-1094

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# GEOLOGIC REPORT

LAYNE ENERGY

Sherwin Farms 2-13

NW ¼, NE ¼, 559' FNL, 1,693' FEL

Section 13-T31S-R14E

MONTGOMERY COUNTY, KANSAS

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Drilled: June 14-16, 2005

Logged: June 16, 2005

A.P.I.# 15-125-30766

Ground Elevation: 948'

Depth Driller: 1,488'

Depth Logger: 1,488'

Surface Casing: 8 5/8" @ 20'

Production Casing: 4 1/2" @ 1,484'

Cemented Job: Consolidated

Open Hole Logs: Compensated density neutron log, dual induction sfl/gr log

<b>FORMATION</b> .....	<b>TOPS (in feet below ground surface)</b>
Lansing Group .....	Surface (South Bend Limestone Member)
Lenapah Lime .....	715
Altamont Lime .....	758
Mulberry Coal .....	894
Pawnee Lime .....	896
Anna Shale .....	921
First Oswego Lime .....	983
Little Osage Shale .....	1,013
Excello Shale .....	1,032
Mulky Coal .....	1,036
Bevier Coal .....	1,070
"V" Shale .....	1,090
Croweburg Coal .....	1,092
Mineral Coal .....	1,136
Weir Pitt Coal .....	1,218
Bluejacket Coal .....	1,247
AW Coal .....	1,342
Riverton Coal .....	1,383
Mississippian .....	1,390

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MORNING COMPLETION REPORT

Report Called in by: John Ed

Report taken by: KR D

LEASE NAME & #	AFE#	DATE	DAYS	CIBP DEPTH TYPE	PBYD TYPE FLUID
SHERWIN FARMS #2-13		6/14/2005	1		
PRESENT OPERATION:					WT
DRILL OUT FROM UNDER SURFACE					VIS
DEEPEST CASING OD SHOE DEPTH	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS	CONTRACTOR MOKAT		
	8 5/8" 24# J-65 -- Set 20'	TEST PERFS	RIG NO		
PACKER OR ANCHOR	FISHING TOOLS OD ID	TO	SQUEEZED OR PLUG BACK PERFS		
		TO	TO		
		TO	TO		
		TO	TO		
		TO	TO		
HRS	BRIEF DESCRIPTION OF OPERATION				
	MIRU MOKAT DRILLING, DRILLED 11" HOLE, 20' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING,				
	MIXED 4 SXS TYPE 1 CEMENT, DUMPED ON THE BACKSIDE, SOFN.				

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DAILY COST ANALYSIS

RIG	_____
SUPERVISION	200
RENTALS	_____
SERVICES	400
MISC	2280
DAILY TOTALS	2880

DETAILS OF RENTALS, SERVICES, & MISC

MOKAT DRILLING @ 6.50/r	
MOKAT (CEMENT)	80
DIRTWORKS (LOC, RD, PIT)	400
SURFACE CASING	200
LAND/ LEGAL	2000

PREVIOUS TCTD

TCTD

2880

