

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**WELL COMPLETION FORM**  
WELL HISTORY, DESCRIPTION OF WELL & LEASE

**ORIGINAL**

**KCC**  
JUL 22 2005

**CONFIDENTIAL**

Operator: License # 33365  
Name: Layne Energy Operating, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Victor H. Dyal  
Phone: (913) 748-3987  
Contractor: Name: McPherson Drilling  
License: 5675  
Wellsite Geologist: \_\_\_\_\_  
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. \_\_\_\_\_  
3/31/2005    4/4/2005  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
JUL 25 2005  
CONSERVATION DIVISION  
WICHITA, KS

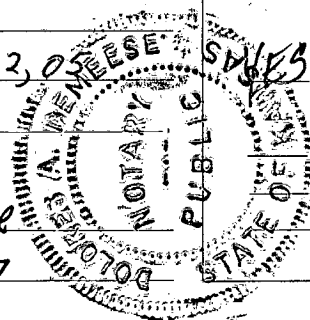
API No. 15 - 125-30723-DD-DD  
County: Montgomery  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
NW SE SW Sec. 6 Twp. 32 S. R. 16  East  West  
817 feet from (S) N (circle one) Line of Section  
1635 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Atherton Well #: 14-6  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 843 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1268 Plug Back Total Depth: 1257  
Amount of Surface Pipe Set and Cemented at 40 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1265  
feet depth to Surface w/ 140 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) *Alt II with 7-24-07*  
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: [Signature]  
Title: Agent Date: July 22, 2005  
Subscribed and sworn to before me this 22nd day of July  
19 2005  
Notary Public: Dolores A. Demeeuse  
Date Commission Expires: July 31, 2007



**KCC Office Use ONLY**

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

**CONFIDENTIAL**

Side Two

**KCC**  
**JUL 22 2005**

**ORIGINAL**

Operator Name: Layne Energy Operating, LLC

Lease Name: Atherton

Well #: 14-6

Sec. 6 Twp. 32 S. R. 16  East  West

County: Montgomery

**CONFIDENTIAL**

**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.

<p>Drill Stem Tests Taken <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>Cores Taken <span style="float: right;">Yes <input checked="" type="checkbox"/> No</span></p> <p>Electric Log Run <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> <i>(Submit Copy)</i></p> <p>List All E. Logs Run:</p> <p>Compensated Density Neutron Dual Induction</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"><input checked="" type="checkbox"/> Log</td> <td style="width: 75%;">Formation (Top), Depth and Datum</td> <td style="width: 20%;">Sample</td> </tr> <tr> <td></td> <td style="text-align: center;">Name <span style="float: right;">Top</span> <span style="float: right;">Datum</span></td> <td></td> </tr> <tr> <td></td> <td>Pawnee Lime <span style="float: right;">608</span> <span style="float: right;">235</span></td> <td></td> </tr> <tr> <td></td> <td>Excello Shale <span style="float: right;">756</span> <span style="float: right;">87</span></td> <td></td> </tr> <tr> <td></td> <td>V Shale <span style="float: right;">803</span> <span style="float: right;">40</span></td> <td></td> </tr> <tr> <td></td> <td>Mineral Coal <span style="float: right;">840</span> <span style="float: right;">3</span></td> <td></td> </tr> <tr> <td></td> <td>Mississippian <span style="float: right;">1170</span> <span style="float: right;">-327</span></td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample		Name <span style="float: right;">Top</span> <span style="float: right;">Datum</span>			Pawnee Lime <span style="float: right;">608</span> <span style="float: right;">235</span>			Excello Shale <span style="float: right;">756</span> <span style="float: right;">87</span>			V Shale <span style="float: right;">803</span> <span style="float: right;">40</span>			Mineral Coal <span style="float: right;">840</span> <span style="float: right;">3</span>			Mississippian <span style="float: right;">1170</span> <span style="float: right;">-327</span>	
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample																				
	Name <span style="float: right;">Top</span> <span style="float: right;">Datum</span>																					
	Pawnee Lime <span style="float: right;">608</span> <span style="float: right;">235</span>																					
	Excello Shale <span style="float: right;">756</span> <span style="float: right;">87</span>																					
	V Shale <span style="float: right;">803</span> <span style="float: right;">40</span>																					
	Mineral Coal <span style="float: right;">840</span> <span style="float: right;">3</span>																					
	Mississippian <span style="float: right;">1170</span> <span style="float: right;">-327</span>																					

CASING RECORD <span style="float: right;"><input checked="" type="checkbox"/> New <input type="checkbox"/> Used</span>							
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	11"	8.625	24	40	Class A	8	Type 1 Cement
Casing	6 3/4"	4.5"	10.5	1265	Thick Set	140	

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 <small>Specify Footage of Each Interval Perforated</small>	Acid, Fracture, Shot, Cement Squeeze Record <small>(Amount and Kind of Material Used)</small>	Depth
	<p><b>RECEIVED</b></p> <p><b>KANSAS CORPORATION COMMISSION</b></p> <p><b>JUL 25 2005</b></p> <p><b>CONSERVATION DIVISION</b></p> <p><b>WICHITA, KS</b></p>		

TUBING RECORD	Size	Set At	Packer At	Liner Run	
				Yes <input type="checkbox"/>	No <input type="checkbox"/>

Date of First, Resumed Production, SWD or Enhr.	Producing Method				
SI- Waiting for Completion	Flowing	Pumping	Gas Lift	Other (Explain)	

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	-----	-------	-----	-----	-------	-------	---------------	---------

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

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

**CONFIDENTIAL**

**ORIGINAL**

**GEOLOGIC REPORT**

**KCC**

JUL 22 2005

**CONFIDENTIAL**

LAYNE ENERGY  
Atherton 14-6  
SE ¼, SW ¼, 817' FSL, 1,635' FWL  
Section 6-T32S-R16E  
MONTGOMERY COUNTY, KANSAS

Drilled: March 31-April 4, 2005  
Logged: April 4, 2005  
A.P.I.# 15-125-30723  
Ground Elevation: 843'  
Depth Driller: 1,268'  
Depth Logger: 1,272'  
Surface Casing: 8 5/8" @ 40'  
Production Casing: 4 1/2" @ 1,265'  
Cemented Job: Bluestar  
Open Hole Logs: Compensated density neutron log, dual induction sfl/gr log

**RECEIVED**  
KANSAS CORPORATION COMMISSION

JUL 25 2005

CONSERVATION DIVISION  
WICHITA, KS

<b>FORMATION</b> .....	<b>TOPS (in feet below ground surface)</b>
Kansas City Group.....	Surface (Cottage Grove Sandstone)
Lenapah Lime .....	413
Altamont Lime.....	455
Pawnee Lime .....	608
Anna Shale.....	628
First Oswego Lime .....	695
Little Osage Shale.....	728
Excello Shale .....	756
Mulky Coal.....	760
Iron Post Coal .....	779
"V" Shale.....	803
Croweburg Coal.....	805
Mineral Coal .....	840
AW Coal .....	1,111
Riverton Coal.....	1,152
Mississippian .....	1,170

CONSOLIDATED OIL WELL SERVICES  
 211 W. 14TH STREET, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

**KCC**

T' ET NUMBER 3614

LOCATION Eureka

JUL 22 2005 FOREMAN Brad Butler

**CONFIDENTIAL**

TREATMENT REPORT & FIELD TICKET  
 CEMENT

**ORIGINAL**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-5-05	4758	ATHerton # 14-6				Montgomery
CUSTOMER			TRUCK # DRIVER TRUCK # DRIVER			
Layne Energy			446	Rick		
MAILING ADDRESS			441	Scott		
P.O. Box 160			436	Anthony		
CITY	STATE	ZIP CODE				
Sucamore	Ks					

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1268' CASING SIZE & WEIGHT 4 1/2" - 10.5 lb  
 CASING DEPTH 1265' DRILL PIPE P.B.T.D. TUBING 1257' OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 lb SLURRY VOL 44 Bbls. WATER gal/sk 8.0 CEMENT LEFT in CASING 8'  
 DISPLACEMENT 20 Bbl. DISPLACEMENT PSI 1100 MAX PSI 1600 Landed Plug RATE 4 BPM - 2 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing, Break circulation with 50 Bbls. water.  
 Pumped 10 Bbl. Metasilicate Plug Slush, followed with 10 Bbl. Dye water.  
 Mixed 140 sks Thick Set cement w/ 10 lb. P<sup>4</sup>/sk of KOI-SEAL at 13.2 lb P<sup>4</sup>/gal. - Shut down  
 washout pump & lines - Release Plug - Displace Plug with 20 Bbls. water.  
 Final pumping at 1100 PSI - Bumped Plug to 1600 PSI - wait 2 minutes - Release Pressure  
 Float Held - close casing in with 0 PSI  
 Good cement returns to surface with 9 Bbl. slurry  
 Job complete - Tear down

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
 JUL 25 2005

Thank you

CONSERVATION DIVISION  
 WICHITA, KS

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	750.00	750.00
5406	25	MILEAGE	2.45	61.25
1126 A	140 SKS.	Thick Set cement	12.70	1778.00
1110 A	28 SKS.	KOI-SEAL 10# P <sup>4</sup> /sk	16.55	463.40
1111 A	50 lbs.	1sk of Metasilicate Plug Slush	1.50 #	75.00
5407 A	7.7 Tons	25 miles - Bulk Truck	.90	173.25
5502 C	4 Hrs.	80 Bbl. VAC Truck	80.00	320.00
1123	3000 GALS.	City water	12.10 P <sup>4</sup> /1000	36.30
5605 A	4 Hrs.	Welder	70.00	280.00
4311	1	4 1/2" weld on Collar	47.00	47.00
4404	1	4 1/2" Top Rubber Plug	37.00	37.00
			SALES TAX	129.15
			ESTIMATED TOTAL	4150.35

AUTHORIZATION [Signature] TITLE [Signature] DATE 196449 15.3%

CONFIDENTIAL

KCC *Sc*  
JUL 22 2005

ORIGINAL

MORNING COMPLETION REPORT

Report Called in by: JOHN ED

Report taken by: KRD

CONFIDENTIAL

LEASE NAME & #	AFE#	DATE	DAYS	CIBP DEPTH TYPE	P8TD TYPE FLUID
ATHERTON 14-6		3/31/2005	1		
PRESENT OPERATION:					WT
DRILLING					VIS
DEEPEST CASING OD SHOE DEPTH	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS		CONTRACTOR RIG NO	
		TEST PERFS		SQUEEZED OR PLUG BACK PERFS	
PACKER OR ANCHOR	FISHING TOOLS OD ID	TO		TO	
		TO		TO	
		TO		TO	
		TO		TO	
HRS	BRIEF DESCRIPTION OF OPERATION				
	MIRU MCPHERSON DRILLING, DRILLED 11" HOLE, 40' DEEP, RIH W/ 2 JT 8 5/8" SURFACE CASING,				
	MIXED 8 SXS TYPE 1 CEMENT. DUMPED DN THE BACKSIDE, SDFN.				
	<b>RECEIVED</b> <b>KANSAS CORPORATION COMMISSION</b> <b>JUL 25 2005</b> <b>CONSERVATION DIVISION</b> <b>WICHITA, KS</b>				

DAILY COST ANALYSIS

RIG	_____
SUPERVISION	200
RENTALS	_____
SERVICES	1000
MISC	2580
DAILY TOTALS	3760

DETAILS OF RENTALS, SERVICES, & MISC

MOKAT DRILLING @ 6.50/R	
MOKAT (CEMENT)	160
DIRTWORKS (LOC, RD, PIT)	1000
SURFACE CASING	400
LAND/ LEGAL	2000

PREVIOUS TCTD

TCTD

3760