

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

**CONFIDENTIAL**

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: MOKAT Drilling  
License: 5831

**KCC**

NOV 08 2005

**CONFIDENTIAL**

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. \_\_\_\_\_  
7/20/2005 7/21/2005  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 125-30786-00-00  
County: Montgomery  
NE SE NW Sec. 21 Twp. 33 S. R. 16  East  West  
1660 feet from S /  (circle one) Line of Section  
2250 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Muller Well #: 6-21  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 743' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1145' Plug Back Total Depth: 1129'  
Amount of Surface Pipe Set and Cemented at 55' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1140'  
feet depth to Surface w/ 120 sx cmt.

Drilling Fluid Management Plan API I WHM 12-2702  
(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: KANSAS CORPORATION COMMISSION  
Operator Name: \_\_\_\_\_ NOV 09 2005  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. CONSERVATION DIVISION  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_ WICHITA, KS

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**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: MB Natrass  
Title: Agent Date: November 8, 2005  
Subscribed and sworn to before me this 8<sup>th</sup> day of November,  
20 05.  
Notary Public: M. Allen  
Date Commission Expires: 10/14/2008

**KCC Office Use ONLY**  
YB<sup>10</sup> 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

KCC

NOV 08 2005

ORIGINAL

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Operator Name: Layne Energy Operating, LLC

Lease Name: Miller Well #: 6-21

Sec. 21 Twp. 33 S. R. 16  East  West

County: Montgomery

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  Yes  No (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron  
Dual Induction

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Pawnee Lime	440 GL	303
Excello Shale	612 GL	131
V Shale	664 GL	79
Mineral Coal	710 GL	33
Mississippian	1046 GL	-303

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	55'	Class A	50	Type 1 cement
Casing	6.75	4.5	10.5	1140'	Thick Set	120	

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
	SI-Waiting on Completion	<b>RECEIVED</b> <b>KANSAS CORPORATION COMMISSION</b> <b>NOV 09 2005</b> <b>CONSERVATION DIVISION</b> <b>WICHITA, KS</b>	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr.	Producing Method
SI - Waiting on Completion	<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
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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)

NOV 09 2005

CONSERVATION DIVISION  
WICHITA, KS

# GEOLOGIC REPORT

LAYNE ENERGY

Muller 6-21

SE 1/4, NW 1/4, 1,660' FNL, 2,250' FWL

Section 21-T33S-R16E

MONTGOMERY COUNTY, KANSAS

Drilled: July 20-21, 2005

Logged: July 22, 2005

A.P.I.# 15-125-30786

Ground Elevation: 743'

Depth Driller: 1,145'

Depth Logger: 1,137'

Surface Casing: 8 5/8" @ 55'

Production Casing: 4 1/2" @ 1,140'

Cemented Job: Consolidated

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

**FORMATION ..... TOPS (in feet below ground surface)**

Quaternary Alluvium .....	Surface
Lenapah Lime .....	234
Altamont Lime .....	285
Weiser Sand .....	330
Pawnee Lime .....	440
Anna Shale .....	463
Peru Sandstone .....	485
First Oswego Lime .....	544
Little Osage Shale .....	581
Excello Shale .....	612
Iron Post Coal .....	638
Bevier Coal .....	646
"V" Shale .....	664
Croweburg Coal .....	666
Mineral Coal .....	710
Weir Pitt Coal .....	788
Bluejacket Coal .....	845
AW Coal .....	975
Riverton Coal .....	1,033
Mississippian .....	1,046

**MORNING COMPLETION REPORT**

Report Called in by: : JES \_\_\_\_\_

Report taken by: KRD \_\_\_\_\_

<b>LEASE NAME &amp; #</b>		<b>AFE#</b>	<b>DATE</b>	<b>DAYS</b>	<b>CIBP</b>	<b>PBTD</b>
MULLER 6-21		G01021100100	7/20/2005	1	<b>DEPTH</b>	<b>TYPE FLUID</b>
<b>PRESENT OPERATION:</b>					<b>WT</b>	
<b>DRILL-OUT-FROM-UNDER-SURFACE</b>					<b>VIS</b>	
<b>DEEPEST CASING</b>	<b>LINERS OD TOP &amp; SHOE DEPTH</b>	<b>REPAIR DOWN TIME HRS</b>		<b>CONTRACTOR MOKAT</b>		
<b>OD SHOE DEPTH</b>	8 5/8" 24# J-55 — Set 20'	<b>TEST PERFS</b>		<b>RIG NO BILLY</b>		
<b>PACKER OR ANCHOR</b>	<b>FISHING TOOLS</b> <b>OD</b> <b>ID</b>	<b>TO</b>		<b>SQUEEZED OR PLUG BACK PERFS</b>		
		<b>TO</b>		<b>TO</b>		
		<b>TO</b>		<b>TO</b>		
		<b>TO</b>		<b>TO</b>		
		<b>TO</b>		<b>TO</b>		
<b>HRS</b>	<b>BRIEF DESCRIPTION OF OPERATION</b>					
	MIRU MOKAT DRILLING, DRILLED 11" HOLE, 55' DEEP, RIH W/2 JT 8 5/8" SURFACE CASING, RU CONS. PUMP TRK					
	TO CSG, PMP 10 BBLS WATER AHEAD. MIXED 50 SXS REGULAR CLASS A CEMENT W/2% GEL 1% CACLZ,					
	1/4# FLOCELE PER/SK. SHUT DOWN DISPLACED W/3 BBL FRESH WATER W/BACK PUMP. SHUT CASING IN					
	LEFT 15' CMNT IN PIPE. RD. MOL.					

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**NOV 09 2005**  
 CONSERVATION DIVISION  
 WICHITA, KS

**DAILY COST ANALYSIS**

<b>RIG</b>	_____
<b>SUPERVISION</b>	200
<b>RENTALS</b>	_____
<b>SERVICES</b>	3861
<b>MISC</b>	550

**DETAILS OF RENTALS, SERVICES, & MISC**

MOKAT DRILLING @ 6.50/ft	
MOKAT (CEMENT)	
DIRTWORKS (LOC, RD, PIT)	2000
SURFACE CASING	550
CONSOLIDATED	1861
SUPERVISION	200

**DAILY TOTALS**      4611      **PREVIOUS TCTD**      0      **TCTD**      4611

CONSOLIDATED OIL WELL SERVICE NC.  
 211 W. 14TH STREET, CHANUTE, KS 66720  
 620-434-9210 OR 800-467-8676

NET NUMBER 5585  
 LOCATION Eureka  
 FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-22-05	4458	Muller 6-21				Montgomery
CUSTOMER						
Layne Energy						
MAILING ADDRESS						
P.O. Box 160						
CITY		STATE	ZIP CODE			
Sycamore		Ks.				

Gus Jones

TRUCK #	DRIVER	TRUCK #	DRIVER
446	Scott		
441	Anthony		

JOB TYPE Longstring HOLE SIZE 6 3/4" HOLE DEPTH 1145' CASING SIZE & WEIGHT 4 1/2" - 10.5 lb  
 CASING DEPTH 1140' DRILL PIPE PBTD 1129' OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 SLURRY VOL 38 Bbl. WATER gal/sk 8.0 CEMENT LEFT in CASING 11'  
 DISPLACEMENT 18 Bbl. DISPLACEMENT PSI 500 PSI 1000 Landed Plug RATE 4 BPM - 2 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing, Break circulation with 25 Bbl. water, we had wash casing down 2' Pump 10 Bbl. Gel Flush, 20 Bbl. water, 10 Bbl. Metasilicate, 10 Bbl. Dye water - Mixed 120 sks. Thick Set cement w/ 10# P/SK of K01-SEAL at 13.2 lb P/GAL Shutdown washout pumps lines - Release Plug - Displace Plug with 18 Bbl. water. Final pumping at 500 PSI - Bumped Plug to 1000 PSI - wait 2 minutes - Release Pressure Float Held - close casing in w/ 0 PSI - Good cement returns to surface with 8 Bbl. slurry Job complete - Tear down

"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT RECEIVED	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE KANSAS CORPORATION COMMISSION	765.00	765.00
5406	25	MILEAGE NOV 09 2005	2.50	62.50
1126 A	120 SKs.	Thick Set cement CONSERVATION DIVISION WICHITA, KS	13.00	1560.00
1110 A	24 SKs.	K01-SEAL 10# P/SK	16.90	405.60
1111 A	50 lbs.	Metasilicate - PreFlush	1.55/lb.	77.50
1118 A	4 SKs.	Gel Flush	6.63	26.52
5407 A	6.6 Ton	25 miles - Bulk Truck	.92	151.80
5605 A	4 Hrs.	Welder	75.00	300.00
4311	0	4 1/2" Weld on Collar	48.00	0
4404	1	4 1/2" Top Rubber Plug	38.00	38.00
			5.3%	SALES TAX
				ESTIMATED TOTAL
				111.74
				3498.62

AUTHORIZATION Called by John Ed

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

198534