

KCC

NOV 02 2005

CONFIDENTIAL

CONFIDENTIAL

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

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. Nattrass  
Phone: ( 913 ) 748-3987  
Contractor Name: Mokat Drilling  
License: 5831  
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. \_\_\_\_\_

7/18/2005    7/19/2005    8/2/2005  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 125-30790-00-00  
County: Montgomery  
W/2 SW NW Sec. 15 Twp. 31 S. R. 16  East  West  
1987 feet from S /  (circle one) Line of Section  
471 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Catron Well #: 5-15  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 820' Kelly Bushing: \_\_\_\_\_  
Stat Depth: 1151' Plug Back total Depth: 1136'  
Amount of Surface Pipe Set and Cemented at 20' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1147'  
feet depth to Surface w/ 120 sx cmt.

RECEIVED  
KANSAS CORPORATION COMMISSION  
NOV 03 2005  
CONSERVATION DIVISION  
WICHITA, KS

Drilling Fluid Management Plan APPENDIX 6-1308  
(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: M.B. Nattrass  
Title: Agent Date: 11/2/05  
Subscribed and sworn to before me this 2<sup>nd</sup> day of November  
20 05  
Notary Public: Mary Allen  
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 \_\_\_\_\_

CONFIDENTIAL

KCC Side Two NOV 02 2015

ORIGINAL

Operator Name: Layne Energy Operating, LLC

Lease Name: Catron

Well #: 5-15

Sec. 15 Twp. 31 S. R. 16 [x] 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 [x] No
Samples Sent to Geological Survey [ ] Yes [x] No
Cores Taken [ ] Yes [x] No
Electric Log Run [x] Yes [ ] No
List All E. Logs Run:
Compensated Density Neutron
Dual Induction
[x] Log Formation (Top), Depth and Datum [ ] Sample
Name Top Datum
Pawnee Lime 509 GL 311
Excello Shale 640 GL 180
V Shale 691 GL 1297'
Mineral Coal 728 GL 92
Mississippian 1054 GL -234

CASING RECORD [x] New [ ] Used
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives

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
RECEIVED KANSAS CORPORATION COMMISSION NOV 03 2005 CONSERVATION DIVISION WICHITA, KS

TUBING RECORD Size Set At Packer At Liner Run [ ] Yes [x] No
Date of First, Resumerd Production, SWD or Enhr. 8/31/2005
Producing Method [ ] Flowing [x] Pumping [ ] Gas Lift [ ] Other (Explain)
Estimated Production Per 24 Hours Oil Bbls. 0 Gas Mcf 10 Water Bbls. 81 Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval
[ ] Vented [x] Sold [ ] Used on Lease [ ] Open Hole [x] Perf. [ ] Dually Comp. [x] Commingled
[ ] Other (Specify)

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Catron 5-15		
	Sec. 15 Twp. 31S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-30790		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1036-1038, 850-851.5, 728-729	Riverton, Bluejacket, Mineral - 1,200gal 15% HCL + 415 bbls water + 3,900# 20/40 Sand	728-1038
4	691.5-693, 668-669, 639.5-646, 618.5-622	Croweberg, Ironpost, Mulkey, Summit - 2,100 gal 15% HCL + 561 bbls water + 5,100 # 20/40 Sand	618.5-693

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**NOV 03 2005**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

# GEOLOGIC REPORT

LAYNE ENERGY

Catron 5-15

SW ¼, NW ¼, 1,987' FNL, 471' FWL

Section 15-T31S-R16E

MONTGOMERY COUNTY, KANSAS

Drilled: July 18-19, 2005

Logged: July 20, 2005

A.P.I.# 15-125-30790

Ground Elevation: 820'

Depth Driller: 1,151'

Depth Logger: 1,151'

Surface Casing: 8 5/8" @ 20'

Production Casing: 4 1/2" @ 1,147'

Cemented Job: Consolidated

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

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

Kansas City Group.....	Surface (Nellie Bly Formation)
Lenapah Lime.....	321
Altamont Lime.....	365
Weiser Sand.....	417
Pawnee Lime.....	509
Anna Shale.....	532
First Oswego Lime.....	584
Little Osage Shale.....	619
Excello Shale.....	640
Mulky Coal.....	645
Iron Post Coal.....	668
"V" Shale.....	691
Croweburg Coal.....	693
Mineral Coal.....	728
Scammon Coal.....	759
Bluejacket Coal.....	850
Bartlesville Sand.....	906
Riverton Coal.....	1,036
Mississippian.....	1,054

RECEIVED  
KANSAS CORPORATION COMMISSION  
NOV 03 2005  
CONSERVATION DIVISION  
WICHITA, KS

MORNING COMPLETION REPORT

Report Called in by: JES

Report taken by: KRD

KRD

LEASE NAME & #		AFE#	DATE	DAYS	CIBP DEPTH	PBTD TYPE FLUID
CATRON 5-18		C010	7/18/2005	1		
PRESENT OPERATION:						WT
DRILL OUT FROM UNDER SURFACE						VIS
DEEPEST CASING	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS		CONTRACTOR MOKAT		
OD SHOE DEPTH	8 5/8" 24# J-55 — Set 20'	TEST PERFS		RIG NO BILLY		
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. SDFN.					

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 NOV 03 2005  
 CONSERVATION DIVISION  
 WICHITA, KS

DAILY COST ANALYSIS

RIG	_____
SUPERVISION	200
RENTALS	_____
SERVICES	400
MISC	2280

DETAILS OF RENTALS, SERVICES, & MISC

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

DAILY TOTALS 2880 PREVIOUS TCTD TCTD 2880

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

TICKET NUMBER 5556  
 LOCATION EUREKA  
 FOREMAN Kevin McCoy

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
7-21-05	4758	CATRON 5-15				M6	
CUSTOMER <u>Layne Energy</u>			Gus Jones	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 160</u>				445	RICK		
CITY <u>Sycamore</u>				441	LARRY		
STATE <u>KS</u>				436	JASON		
ZIP CODE							

JOB TYPE Langsteing HOLE SIZE 6 3/4 HOLE DEPTH 1151' CASING SIZE & WEIGHT 4 1/2 10.5" New  
 CASING DEPTH 1147' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER POTD 1136'  
 SLURRY WEIGHT 13.2 # SLURRY VOL 38 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 11'  
 DISPLACEMENT 18 BBL DISPLACEMENT PSI 700 ~~MAX~~ PSI 1200 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. BREAK circulation w/ 35 BBL fresh water. Pump 4 sks Gel flush, 10 BBL water spacer, 10 BBL Metasilicate Pre flush, 10 BBL Dye water. Mixed 120 sks Thick Set Cement w/ 10" Kol-Seal per/sk @ 13.2# per/gal, yield 1.75. wash out Pump & Lines. shut down. Release Plug. Displace w/ 18 BBL fresh water. Final Pumping Pressure 700 PSI. Bump Plug to 1200 PSI. wait 2 minutes. Release Pressure. Float Held. Good Cement Returns to Surface = 8 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	25	MILEAGE	2.50	62.50
1126 A	120 SKS	Thick Set Cement	13.00	1560.00
1110 A	24 SKS	Kol-Seal 10" per/sk	16.90	405.60
1118 A	4 SKS	Gel Flush	6.63	26.52
1111 A	50 #	Metasilicate Pre Flush	1.55 #	77.50
5407 A	6.6 Tons	25 miles Bulk Truck	.92	151.80
4404	1	4 1/2 Top Rubber Plug	38.00	38.00
5502 C	3 Hrs	80 BBL VAC TRUCK	82.00	246.00
1123	3000 gals	City water	12.20 <sup>per 1000</sup>	36.60
5605 A	4 Hrs	welder	75.00	300.00
4311	1	4 1/2 weld on Collar	48.00	48.00
		Sub total		3717.52
		5.3% SALES TAX		116.19
		ESTIMATED TOTAL		3833.71

AUTHORIZATION Called By John Ed

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

RECEIVED

KANSAS CORPORATION COMMISSION  
 NOV 03 2005

CONSERVATION DIVISION  
 WICHITA, KS

198492

1902107