

CONFIDENTIAL

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

6/26/10

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: Thornton Air Rotary
License: 33606
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: **CONFIDENTIAL**
Operator: _____ **JUN 26 2008**

Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____ **KCC**
 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. _____

3/27/2008 3/31/2008 4/17/2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 049-22501-00-00
County: Eik
S2 SW SW Sec. 20 Twp. 30 S. R. 13 East West
390 feet from S / N (circle one) Line of Section
615 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Jones Well #: 13-20
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 962' Kelly Bushing: _____
Total Depth: 1600' Plug Back Total Depth: 1468'
Amount of Surface Pipe Set and Cemented at 42 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1468
feet depth to Surface w/ 225 sx cmt.

Drilling Fluid Management Plan AKHNJ 7/14-09
(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: 6-26-08
Subscribed and sworn to before me this 26 day of June
20 08
Notary Public: Mae Laughlin 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: _____
 Wireline Log Received **RECEIVED**
 Geologist Report Received **KANSAS CORPORATION COMMISSION**
JUN 27 2008
IC Distribution

ORIGINAL

Side Two

Operator Name: Layne Energy Operating, LLC

Lease Name: Jones

Well #: 13-20

Sec. 20 Twp. 30 S. R. 13 East West

County: Elk

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pawnee Lime	1162 GL	-200
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1249 GL	-287
List All E. Logs Run:		V-Shale	1320 GL	-358
Compensated Density Neutron				
Dual Induction				

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	42'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1468'	Thick Set	225	50/50 posmix w/2% gel

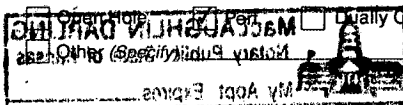
ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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 Page		

TUBING RECORD	Size 2-3/8"	Set At 1390'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. Shut-In	Producing Method <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. 0	Gas Mcf 0	Water Bbls. 0	Gas-Oil Ratio Gravity

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Dually Comp. Commingled



Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Jones 13-20		
	Sec. 20 Twp. 30S Rng. 13E, Elk County		
API:	15-049-22501-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (April 2008)			
4	Croweburg 1320.5' - 1324.5' Bevier 1305' - 1306'	5700 lbs 20/40 sand 348 bbls water 450 gals 15% HCl acid	1305' - 1324.5'
4	Mulky 1250' - 1253' Summit 1237' - 1238.5'	7300 lbs 20/40 sand 383 bbls water 500 gals 15% HCl acid	1237' - 1253'
4	Mulberry 1156' - 1157.5'	2700 lbs 20/40 sand 210 bbls water 300 gals 15% HCl acid	1156' - 1157.5'

CONFIDENTIAL
JUN 26 2008
KCC

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 27 2008

CONSERVATION DIVISION
WICHITA, KS

Daily Well Work Report

JONES 13-20

3/31/2008

Well Location:
ELK KS
30S-13E-20 SW SW
390FSL / 615FWL

Cost Center G01052200100
Lease Number G010522
Property Code KSEC30S13E2013
API Number 15-049-22501

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
3/27/2008	3/31/2008	4/17/2008		4/24/2008	JONES_13_20
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1600	1468.4	42	1468.4	0	0

Reported By KRD

Rig Number

Date 3/27/2008

Taken By KRD

CONFIDENTIAL

Down Time

Present Operation DRILL OUT SURFACE

JUN 26 2008

Contractor THORNTON

Narrative

KCC

MIRU THORNTON, DRILLED 11" HOLE, 42' DEEP, RIH W/ 2 JT 8 5/8" SURFACE CASING,
MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.
DWC:\$3160

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 27 2008

CONSERVATION DIVISION
WICHITA, KS

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

TICKET NUMBER 13782
 LOCATION EUREKA
 FOREMAN RICK LEONARD

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
4-1-08	4258	Jones 13-20				ETX	
CUSTOMER Layne Energy		Gus Jones		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 160				463	Kyle		
CITY Sycamore		STATE KS	ZIP CODE	515	John		

JOB TYPE lampstone HOLE SIZE 6 3/4" HOLE DEPTH 1610' CASING SIZE & WEIGHT 4 1/2" 13.5
 CASING DEPTH 1468' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9" SLURRY VOL 56 bbl WATER gal/sk 6' CEMENT LEFT in CASING 0'
 DISPLACEMENT 2379 bbl DISPLACEMENT PSI 700 ^{Comp} ~~W~~ PSI 1300 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 35 bbl fresh water. Pump 6 sacs gel-flush w/ bulls 20 bbl water spacer, 5 bbl dye water. Mixed 285 sacs 50/50 Permian cement w/ 22% gel, 2% cacl2, 4% Katsol 4%, 3% cal-sol 3%, 1/4" floccle 1/4" 1/2" cae-38 @ 129#/#. washout pump + lines, shut down, relax plug. Displa w/ 2379 bbl fresh water. Final pump pressure 700 PSI. Pump plug to 1500 PSI. wait 2 mins. release pressure, float held. Good cement returns to surface - 7 bbl slurry to pit. Job complete. Rig down.

CONFIDENTIAL
 JUN 26 2008

"Thank You"

KCC

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL	
5401	1	PUMP CHARGE	825.00	825.00	
5406	40	MILEAGE	3.45	138.00	
1124	285 sacs	50/50 Permian cement	9.30	2650.50	
1118A	380*	22% gel	.16	60.80	
1102	380*	2% cacl2	.70	266.00	
1110A	900*	Kat-sol 4% #/sk	.40	360.00	
1101	625*	cal-sol 3% #/sk	.35	218.75	
1107	60"	1/4" floccle #/sk	1.98	118.80	
1135	95"	1/2" F2-110	7.15	679.25	
1146	48"	1/4" cae-38	7.30	350.40	
1118A	300*	gel-flush	.16	48.00	
1105	50*	bulls	.37	18.50	
5407A	7.95 ton	ton-mileage bulk tax	1.14	900.22	
4404	1	4 1/2" top rubber plug	72.00	72.00	
			Subtotal	5716.42	
			6.3%	SALES TAX	360.17
				ESTIMATED TOTAL	6076.59

RECEIVED
 KANSAS CORPORATION COMMISSION

JUN 27 2008

CONSERVATION DIVISION
 WICHITA, KS

221089

AUTHORIZATION called by Jacob

TITLE Co. Rep

DATE

5985.59

GEOLOGIC REPORT

LAYNE ENERGY

Jones 13-20

SW SW, 390 FSL, 615 FWL

Section 20-T30S-R13E

Elk County, KS

Spud Date: 3/27/2008
Drilling Completed: 3/31/2008
Logged: 3/31/2008
A.P.I. #: 15049225010000
Ground Elevation: 962'
Depth Driller: 1600'
Depth Logger: 1580'
Surface Casing: 8.625 inches at 42'
Production Casing: 4.5 inches at 1468.4'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

CONFIDENTIAL
JUN 26 2008
KCC

Formation	Tops	
	(below ground)	(subsea)
	Surface (Lawrence Formation)	962
Douglas Group		
Pawnee Limestone	1,162	-200
Excello Shale	1,249	-287
"V" Shale	1,320	-358
Mineral Coal		
Mississippian		

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 27 2008

CONSERVATION DIVISION
WICHITA, KS