

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

7/31/09

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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. Brent Natrass
Phone: (913) 748-3960
Contractor: Name: Thornton Air Rotary
License: 33606
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. _____

4/4/2007	4/6/2007	Pending
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 049-22457-00-00
County: Elk
W2 NW, NW Sec. 18 Twp. 29 S. R. 12 East West
514 feet from S / N (circle one) Line of Section
412 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Kelly Well #: 4-18
Field Name: Cherokee Basin Coal
Producing Formation: Cherokee Coals
Elevation: Ground: 1099' Kelly Bushing: _____
Total Depth: 1829' Plug Back Total Depth: 1791.4'
Amount of Surface Pipe Set and Cemented at 44 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1791.4'
feet depth to Surface w/ 185 sx cmt.

Drilling Fluid Management Plan ALT# NS1-2209
(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: [Signature]
Title: Agent Date: 7-31-07
Subscribed and sworn to before me this 31 day of July
20 07
Notary Public: MacLaughlin Darling
Date Commission Expires: 1/4/2009



KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
RECEIVED
KANSAS CORPORATION COMMISSION
AUG 01 2007

Operator Name: Layne Energy Operating, LLC Lease Name: Kelly Well #: 4-18
 Sec. 18 Twp. 29 S. R. 12 East West County: EIK

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 <i>(Attach Additional Sheets)</i>	<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	1436 GL -337
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1521 GL -422
List All E. Logs Run:		V Shale	1589 GL -490
Compensated Density Neutron Dual Induction		Mississippian	1813 GL -714

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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	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	24	44'	Class A	10	Type 1 cement
Casing	6.75"	4.5"	10.5	1748.9'	Thick Set	185	#10 KOL seal @ sx

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth

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

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) _____

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CONSERVATION DIVISION
 WICHITA, KS

GEOLOGIC REPORT

LAYNE ENERGY
Kelly 4-18
NW NW, 514 FNL, 412 FWL
Section 18-T29S-R12E
Elk County, KS

Spud Date: 4/4/2007
Drilling Completed: 4/6/2007
Logged: 4/6/2007
A.P.I. #: 15049224570000
Ground Elevation: 1099'
Depth Driller: 1829'
Depth Logger: 1817'
Surface Casing: 8.625 inches at 41'
Production Casing: 4.5 inches at 1791.4'
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

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Formation	Tops	
	(below ground)	(subsea)
	Surface (Deer	
	Creek Limestone)	1,099
Shawnee Group		
Pawnee Limestone	1,436	-337
Excello Shale	1,521	-422
"V" Shale	1,589	-490
Mineral Coal	0	1099
Mississippian	1,813	-714

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CONSERVATION DIVISION
WICHITA, KS

Daily Well Work Report

KELLY 4-18

4/6/2007

Well Location:
ELK KS
29S-12E-18 W2 NW NW
514FNL / 412FWL

Cost Center G01030400200
Lease Number G010304
Property Code KSEC29S12E1804
API Number 15-049-22457

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
4/4/2007	4/6/2007			6/6/2007	KELLY_4_18

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1829	1791.4	44	1791.4	0	0

Reported By KRD	Rig Number	Date 4/4/2007
Taken By KRD		Down Time
Present Operation Drill out from under surface		Contractor Thornton Drilling

Narrative

MIRU Thornton Drilling, drilled 11' hole, 44' deep, rih w/2 jts 8-5/8" surface casing. Mixed 10 sxs type 1 cement, dumped dn the back side. SDFN. DWC \$3,160

Friday, July 20, 2007

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CONSERVATION DIVISION
WICHITA, KS

ATTN: Mac
2 pages

CONSOLIDATED OIL WELL SERVICE, LLC
P.O. BOX 884, CHANUTE, KS 65720
820-431-9210 OR 800-467-8676

WELL NUMBER 17147
LOCATION Furber
FOREMAN Rick Larson

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-9-07	4758	Kelly 4-18				CK
CUSTOMER Layne Energy			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 160			463	Kyle		
CITY Sydney			477	Jay		
STATE KS			436	S.P.		
ZIP CODE			452/763	Ed		

JOB TYPE logstring HOLE SIZE 6 3/4" HOLE DEPTH 1827' CASING SIZE & WEIGHT 4 1/2" 16.5#
 CASING DEPTH 1791' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2# SLURRY VOL 52 bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 28 1/2 bbl DISPLACEMENT PSI 200 600 PSI 1300 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 3.5 bbl fresh water. Pump 8 sks gel-flush, 10 bbl water spacer, 1 sk metasilicate pre-flush, 18 bbl dye water. Mixed 185 sks thickset cement w/ 10" Kel-seal @ 13.2# gal. Washout pump & lines. Shut down release plug. Displace w/ 28 1/2 bbl fresh water. Final pump pressure 800 PSI. Pump plug to 1300 PSI. wait 2 mins. release pressure. Plug hold. Good cement returns to surface = 8 bbl slurry to pit. Job complete. Rig down.

'Thank to'

ACCOUNT CODE	QUANTITY OF UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE KCC	840.00	840.00
5406	40	MILEAGE JUL 31 2007	3.30	132.00
1126A	185 sks	thickset cement CONFIDENTIAL	15.10	2793.50
1110A	1850 #	Kel-seal 10" @ 13.2#	.58	1071.00
1118A	400 #	gel-flush	.15	60.00
1118B	50 #	metasilicate pre-flush	1.65	82.50
5407A	16.18	ten-mileage built truck	1.10	17.80
5501C	3 hrs	water transport	100.00	300.00
5502C	3 hrs	80 bbl NAC. TRK	20.00	60.00
1123	8000 gals	city water KANSAS CORPORATION COMMISSION	12.20	97.60
4404	1	4 1/2" top rubber plug AUG 01 2007	40.00	40.00
		CONSERVATION DIVISION WICHITA, KS		
		6.38 SALES TAX		528.82
		ESTIMATED TOTAL		241.73
				6068.55

212848

AUTHORIZATION _____

TITLE _____

DATE _____