

ORIGINAL

6/02/11

Form ACO-1

September 1999

Form Must Be Typed

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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
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: Timothy H. Wright
Phone: (913) 748-3960
Contractor: Name: Thornton Air Rotary
License: 33606

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Wellsite Geologist: JUN 02 2009
Designate Type of Completion:
[check] New Well [] Re-Entry [] Workover
[] Oil [] SWD [] SLOW [] Temp. Abd.
[check] Gas [] ENHR [check] 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.
2/25/2009 3/4/2009 Pending
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 019-26961-00-00
County: Chautauqua
W2 NW NW Sec. 15 Twp. 32 S. R. 13 [check] East [] West
754 feet from S / (N) (circle one) Line of Section
402 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Taylor Well #: 4-15
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 862' Kelly Bushing:
Total Depth: 1579' Plug Back Total Depth: 1557'
Amount of Surface Pipe Set and Cemented at 44 Feet
Multiple Stage Cementing Collar Used? [] Yes [check] No
If yes, show depth set Feet
If Alternate II completion, cement circulated from 1557
feet depth to Surface w/ 165 sx cmt.

Drilling Fluid Management Plan AHINS 7-709
(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: Project Engineer Date: 6/2/09
Subscribed and sworn to before me this 2 day of June
20 09.
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2013

MACLAUGHLIN DARLING
Notary Public - State of Kansas
My Appt. Expires 1-4-2013

KCC Office Use ONLY
[check] Letter of Confidentiality Attached
If Denied, Yes [] Date:
[check] Wireline Log Received
[check] Geologist Report Received
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Distribution

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Operator Name: Layne Energy Operating, LLC Lease Name: Taylor Well #: 4-15
 Sec. 15 Twp. 32 S. R. 13 East West County: Chautauqua

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

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Pawnee Lime	1053 GL	-191
Excello Shale	1189 GL	-327
V-Shale	1243 GL	-381
Mineral Coal	1288 GL	-426
Mississippian	1556 GL	-694

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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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	44'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1557'	Thick Set	165	8 lbs KOL seal

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	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	

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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. Pending Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbts.	Gas Mcf	Water Bbts.	Gas-Oil Ratio	Gravity
	<u>0</u>				

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval _____

GEOLOGIC REPORT

LAYNE ENERGY
Taylor 4-15
NW NW, 754 FNL, 402 FWL
Section 15-T32S-R13E
Chautauqua County, KS

Spud Date: 2/25/2009
Drilling Completed: 3/4/2009
Logged: 3/3/2009
A.P.I. #: 15019269610000
Ground Elevation: 862
Depth Driller: 1,579
Depth Logger: 1,580
Surface Casing: 8.625 inches at 44'
Production Casing: 4.5 inches at 1,557'
Cemented Job:
Open Hole Logs: High Resolution Compensated Density Sidewall
Neutron Log; Dual Induction LL3/GR Log

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Formation	Tops	
	(below ground)	(subsea)
Surface (Stranger Formation)		862
Douglas Group		
Pawnee Limestone	1,053	-191
Excello Shale	1,189	-327
"V" Shale	1,243	-381
Mineral Coal	1,288	-426
Mississippian	1,556	-694

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Daily Well Work Report

TAYLOR 4-15
2/25/2009

Well Location:
CHAUTAUQUA KS
32S-13E-15 W2 NW NW
754FNL / 402FWL

Cost Center G01049600100
Lease Number G010496
Property Code KSLE32S13E1504
API Number 15-019-26961

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnelID
2/25/2009	3/4/2009				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1579	1557	44	1557	0	0

Reported By KRD

Rig Number

Date

2/25/2009

Taken By KRD

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Down Time

Present Operation

DRILL OUT SURFACE, JUN 15, 2009

Contractor

THORNTON DRILLING

Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 44' DEEP, RIH W/2 JT 8 5/8" SURFACE CASING, MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.
DWC:\$3160

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KCC WORTH



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 20879
LOCATION FORENA
FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-4-09	4758	Taylor 1-15				Chaut.
CUSTOMER Layne Energy			G+S Suns			
MAILING ADDRESS P.O. Box 160						
CITY Sycamore	STATE KS	ZIP CODE				
TRUCK # DRIVER TRUCK # DRIVER						
			465	Shannon		
			729	John		

JOB TYPE Logstring HOLE SIZE 6 3/4" HOLE DEPTH 1579' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1557' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 18.1" SLURRY VOL 51.0bl WATER gal/bk 9.0" CEMENT LEFT in CASING 0'
 DISPLACEMENT 29 3/4 bl DISPLACEMENT PSI 300 PSI 1200 RATE 4 RPM

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 145 bbl
fresh water. Pump 10 sec gal-flush w/ bulls. 2 bbl water spacer (15.0 bbl)
caustic soda pre-flush, 5 bbl water spacer. Mixed 145 sec thickest cement
w/ 8" Ret-sol ^{0.4%}, 1/2" phenoxal ^{0.4%}, 1/2" FR-110 + 1/2" CAF-38 @ 12.1" ^{0.4%} water
pump + lines shut down, release plug. Displace w/ 29 3/4 bbl fresh water. Final
pump pressure 900 psi. Pump plug to 1200 psi. wait 2 minutes, release pressure.
float held. Good cement returns to surface. 9 bbl slurry to pit. Job complete.
Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL	
5401	1	PUMP CHARGE	870.00	870.00	
5406	40	MILEAGE	3.45	138.00	
1126A	145 sec	thickest cement	16.00	2640.00	
1108A	1320"	8" Ret-sol ^{0.4%}	.39	514.80	
1107A	20"	1/2" phenoxal ^{0.4%}	1.08	21.60	
1135	82"	1/2" FR-110	7.05	578.10	
1146	41"	1/2" CAF-38	7.25	297.25	
1118A	500"	gel-flush	.16	80.00	
1105	50"	Bulls	.37	18.50	
1103	150"	Caustic soda	.85	127.50	
5407A	9.08	km-milage bulk TRK	1.16	421.31	
4404	1	4 1/2" top rubber plug	43.00	43.00	
			subtotal	5750.06	
			6.3%	SALES TAX	272.21
				ESTIMATED TOTAL	6022.27

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Rev'n 3737
AUTHORIZATION Sandy M... 209026 TITLE _____ DATE _____