

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

12/19/10

Form ACO-1
September 1999
Form Must Be Typed

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 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. _____

<u>9/22/2008</u>	<u>10/6/2008</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 019-26926-00-00

County: Chautauqua

W2 - W2 - SW Sec. 10 Twp. 33 S. R. 13 East West

1189 feet from N (circle one) Line of Section

376 feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Troyer Well #: 13-10

Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals

Elevation: Ground: 826' Kelly Bushing: _____

Total Depth: 1587' Plug Back Total Depth: 1577'

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 1577

feet depth to Surface w/ 190 sx cmt.

Drilling Fluid Management Plan At # NJ 3309
(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: _____

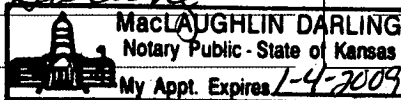
Title: Project Engineer Date: 12/18/08

Subscribed and sworn to before me this 18 day of December

20 08

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

UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 22 2008

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Troyer Well #: 13-10
 Sec. 10 Twp. 33 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	1033 GL	-207
Excello Shale	1190 GL	-364
V-Shale	1234 GL	-408
Mississippian	1559 GL	-733

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	1577'	Thick Set	190	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
	Pending		

TUBING RECORD		Size	Set At	Packer At	Liner Run	CONFIDENTIAL	
					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DEC 19 2008	

Date of First, Resumerd Production, SWD or Enhr. Pending Producing Method Flowing Pumping Gas Lift Other (Explain) KCC

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0		0		

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 _____

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GEOLOGIC REPORT

LAYNE ENERGY
Troyer 13-10
SW SW, 1189 FSL, 376 FWL
Section 10-T33S-R13E
Chautauqua County, KS

Spud Date: 9/22/2008
Drilling Completed: 10/6/2008
Logged: 10/6/2008
A.P.I. #: 15019269260000
Ground Elevation: 826'
Depth Driller: 1587'
Depth Logger: 1587'
Surface Casing: 8.625 inches at 42'
Production Casing: 4.5 inches at 1577'
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

Formation	Tops	
	(below ground)	(subsea)
Quaternary	Surface (Alluvium)	826
Pawnee Limestone	1,033	-207
Excello Shale	1,190	-364
"V" Shale	1,234	-408
Mineral Coal		
Mississippian	1,559	-733

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CONSERVATION DIVISION
WICHITA, KS

Daily Well Work Report

TROYER 13-10

9/22/2008

Well Location:

CHAUTAUQUA KS
33S-13E-10 W2 W2 SW
1189FSL / 376FWL

Cost Center

G01057500300

Lease Number

G010575

Property Code

KSLE33S13E1013

API Number

15-019-26926

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnelID
9/22/2008	10/6/2008				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1587	1577	42	1577	0	0

Reported By KRD

Rig Number

Date

9/22/2008

Taken By KRD

Down Time

Present Operation DRILL OUT SURFACE

Contractor

THORNTON ROTARY D

Narrative

MIRU THORNTON ROTARY DRILLING, 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

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KCC

CONSERVATION DIVISION
WICHITA, KS

Tuesday, December 09, 2008

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CONSOLIDATED
Oil Well Services, LLC



ENTERED

TICKET NUMBER 19510
LOCATION EUREKA
FOREMAN Kevin McCoy

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
10-7-08	4758	Troyer 13-10				CO
CUSTOMER Layne Energy			Gus Jones Rig 1			
MAILING ADDRESS P.O. Box 160						
CITY Sycamore	STATE KS	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			445	Justin		
			439	Calin		
			479	John S		

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1587' CASING SIZE & WEIGHT 4 1/2 10.5" New
CASING DEPTH 1577' DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 13.9-13.2 SLURRY VOL 53 BBL WATER gal/sk 6'-8.0 CEMENT LEFT in CASING 0
DISPLACEMENT 25 BBL DISPLACEMENT PSI 1000 ~~PSI 1400 Bump Plug~~ RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing w/ wash head. Break circulation w/ 30 BBL fresh water. Wash down 30' 4 1/2 w/ additional 20 BBL fresh water. Pump 10 SKS Gel flush w/ Halls. 40 BBL water spacer. Shut down. Rig up Cement Head. Mixed 100 SKS 50/50 Pozmix Cement w/ 2% CACL, 2% Gel, 4" Kol-Seal, 3" CAL-SEAL, 1/8" Phenoseal, 1/2% CFL-110, 1/4% CAF-38 @ 13.9"/gal, yield 1.40. Tail in w/ 90 SKS Thick Set Cement w/ 8" Kol-Seal, 1/2% CFL-110, 1/4% CAF-38 @ 13.2"/gal, yield 1.75. Wash out Pump & Lines. Shut down. Release Plug Displace w/ 25 BBL fresh water. Final Pumping Pressure 1000 PSI. Bump Plug to 1400 PSI. Wait 2 minutes. Release Pressure Float Held. Good Cement Returns to Surface = 8 BBL Slurry (32 SKS) to Pit. Job Complete. Rig down. Note: Annulus of 4 1/2 was Bridging off ALOT while mixing Cement & first half of displacement.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE RECEIVED	3.65	146.00
1124	100 SKS	50/50 Pozmix Cement KANSAS CORPORATION COMMISSION	9.75	975.00
1102	170 *	CACL 2% DEC 22 2008	.75 *	127.50
1118 A	170 *	Gel 2%	.17 *	28.90
1110 A	400 *	Kol-Seal 4"/SK CONSERVATION DIVISION WICHITA, KS	.42 *	168.00
1101	300 *	CAL-SEAL 3"/SK	.36 *	108.00
1107 A	24 *	Phenoseal 1/8"/SK (IN ALL OF Cement)	1.15	27.60
1135	100 *	CFL-110 1/2% (IN ALL OF Cement)	7.50 *	750.00
1146	50 *	CAF-38 1/4% (IN ALL OF Cement)	7.70 *	385.00
1126 A	90 SKS	THICK Set Cement	17.00	1530.00
1110 A	720 *	KOL-SEAL 8"/SK	.42 *	302.40
1118 A	500 *	Gel flush	.17 *	85.00
1105	50 *	Halls	.39 *	19.50
5407	9.15 TONS	Ton Mileage BULK TRUCKS	Mfk x 2	630.00
4404	1	4 1/2 Top Rubber Plug	45.00	45.00
			Sub Total	6252.90
			SALES TAX	286.78
			ESTIMATED TOTAL	6539.68

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RICE

THANK YOU

6.3%

006444

Ravin 3737

AUTHORIZATION witnessed By Jacob

TITLE Layne Co. Rep.

DATE _____