

ORIGINAL

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

11/2/12

CONFIDENTIAL

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 1: 1900 Shawnee Mission Parkway

Address 2:

City: Mission Woods State: KS Zip: 66205 + 2001

Contact Person: Victor H. Dyal

Phone: (913) 748-3960

CONTRACTOR: License # 33606

Name: Thornton Air Rotary, LLC

Wellsite Geologist:

Purchaser:

Designate Type of Completion:

- New Well, Re-Entry, Workover, Oil, WSW, SWD, SIOW, Gas, D&A, ENHR, SIGW, OG, GSW, Temp. Abd., CM (Coal Bed Methane), Cathodic, Other (Core, Expl., 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, Conv. to SWD, Conv. to GSW, Plug Back, Commingled, Dual Completion, SWD, ENHR, GSW

8/2/2010 8/3/2010 8/21/2010
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 205-27854-00-00

Spot Description:

NE SE SE NW Sec. 34 Twp. 30 S. R. 14 East West

2,148 Feet from North / South Line of Section

2,467 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Wilson

Lease Name: Weber Well #: 6J-34

Field Name: Cherokee Basin Coal Area

Producing Formation: Cattleman Sands

Elevation: Ground: 898' Kelly Bushing: N/A

Total Depth: 1237' Plug Back Total Depth: 1232'

Amount of Surface Pipe Set and Cemented at: 42 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: N/A Feet

If Alternate II completion, cement circulated from: 1232

feet depth to: Surface w/ 130 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: N/A ppm Fluid volume: N/A bbls

Dewatering method used: N/A - Air Drilled

Location of fluid disposal if hauled offsite:

Operator Name: N/A

Lease Name: N/A License #: N/A

Quarter N/A Sec. N/A Twp. N/A S. R. N/A East West

County: N/A Permit #: N/A

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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: Victor H. Dyal

Title: Manager of Engineering Date: 11/2/2010

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Letter of Confidentiality Received Date: 11/2/10 - 11/2/12 NOV 03 2010

Confidential Release Date:

Wireline Log Received KCC WICHITA

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NS Date: 11-2-10

Operator Name: Layne Energy Operating, LLC Lease Name: Weber Well #: 6J-34  
 Sec. 34 Twp. 30 S. R. 14  East  West County: Wilson

**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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Compensated Density Neutron                  Dual Induction</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name _____ Top _____ Datum _____ See Driller's Log  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">                     KCC                      NOV 02 2010                      CONFIDENTIAL                 </div>
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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	# Sacks Used	Type and Percent Additives
Surface	11"	8.625"	24	42'	Class A	16	Type 1 Cement
Production	6.75"	4.5"	10.5	1232'	Thick Set	130	

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 <i>(Amount and Kind of Material Used)</i>	Depth
	See Attached Page		

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>1187'</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>8/25/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>1</u> Gas Mcf <u>5</u> Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Cattleman Sands 1152'-1160'</u>
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# Layne Energy Operating, LLC #33365



WEBER 6J-34

NE SE SE NW 34 - 30S - 14E WILSON COUNTY, KANSAS

15-205-27854-00-00

<i>Stage #</i>	<i>Perforation Record</i>	<i>Acid, Fracture, Shot, Cement Squeeze Record</i>
Stage 1 8/20/2010	Cattleman Sand 1152' - 1160'	270 KCl (1%) + Biocide (bbls) 300 HCl (15%) (gal) 4000 Sand (12/20) Brown 4000 Sand (20/40) (lbs)

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# Daily Well Work Report

WEBER 6J-34

8/3/2010

**Well Location:**

WILSON KS  
30S-14E-34 NE SE SE NW  
2148FNL / 2467FWL

**Cost Center**  
**Lease Number**  
**Property Code**  
**API Number**

G01026700300  
G010267  
KSSY30S14E3406J  
15-205-27854

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/2/2010	8/3/2010	8/21/2010	8/21/2010		

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1237	1232	42	1232	0	0

**Reported By** KRD

**Rig Number**

**Date**

8/2/2010

**Taken By** JM

**Down Time**

**Present Operation** SET SURFACE

**Contractor**

THORNTON

**Narrative**

MIRU THORNTON DRILLED 11" HOLE 42' DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 16 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN

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Air Drilling Specialist  
Oil & Gas Wells

**THORNTON AIR ROTARY, LLC**  
Office Phone: 620-879-2073

PO Box 449  
Caney, KS 67333

**KCC**

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Date Started	8/2/2010
Date Completed	8/3/2010

Well No.	Operator	Lease	A.P.I.#	County	State
6J-34	Layne Energy Operating	Weber	15-205-27854-00-00	Wilson	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			34	30	14E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Sean	Oil	B	40' 8 5/8	1237	6 3/4

**Formation Record**

0-1	DIRT	745-750	LIME	1060-1062	SHALE
1-72	LIME	750-759	SAND / LITE ODOR	1062-1063	COAL
72-164	SHALE	759-764	SANDY SHALE	1063-1102	SHALE
164-170	LIME	764-774	SAND / ODOR	1087	GAS TEST - SAME
170-289	SHALE	774-857	SHALE	1102-1103	COAL
289-291	LIME	786	GAS TEST - NO GAS	1103-1152	SHALE
291-346	SAND (WET)	857-860	LIME	1152-1168	SAND / ODOR
336	WENT TO WATER	860-861	COAL (MULBERRY)	1168-1171	SANDY SHALE
346-381	SANDY SHALE	861-889	LIME (PAWNEE)	1171-1172	COAL
381-430	SHALE	862	GAS TEST - SAME	1172-1218	SANDY SHALE
430-455	LIME	889-891	BLK SHALE	1218-1220	COAL
455-462	SHALE	891-894	LIME	1220-1237	SHALE
462-522	LIME	894-899	BLK SHALE (LEXINGTON)	1237	GAS TEST - SAME
522-529	SHALE	899-912	SHALE	1237	TD
529-545	LIME	912	GAS TEST-SLIGHT BLOW		
545-560	SAND	912-915	SANDY SHALE		
560-570	SANDY SHALE	915-920	SAND		
570-577	LMY SHALE	920-944	SANDY SHALE		
577-593	LIME	944-966	LIME (OSWEGO)		
593-598	SHALE	966-969	SHALE		
598-632	LIME	969-979	BLK SHALE (SUMMIT)		
632-660	SHALE	979-990	LIME		RECEIVED
660-662	LIME	987	GAS TEST - SAME		NOV 03 2010
662-689	SHALE	990-993	BLK SHALE		KCC WICHITA
689-710	LIME	993-994	COAL		
710-726	SHALE	994-1000	LIME		
726-731	LMY SHALE	1000-1043	SHALE		
731-741	LIME	1043-1044	COAL		
736	GAS TEST - NO GAS	1044-1058	SHALE		
741-745	SHALE	1058-1060	LIME		



**CONSOLIDATED**  
Oil Well Services, LLC

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

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WELL NUMBER **28996**  
LOCATION Eureka  
FOREMAN Tom Strickler

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-4-10	4758	Weber 67-34				Wilson
CUSTOMER <u>Layne Energy</u>			TRUCK #			
MAILING ADDRESS <u>P.O. Box 160</u>			DRIVER			
CITY <u>Sycamore</u>			TRUCK #			
STATE <u>Ks</u>			DRIVER			
ZIP CODE			TRUCK #			
			DRIVER			

JOB TYPE 4/5 0 HOLE SIZE 6 3/4" HOLE DEPTH 1237' CASING SIZE & WEIGHT 4 1/2" 10.5"  
 CASING DEPTH 1232' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13 3/4" SLURRY VOL 42 bbl WATER gal/sk 8" CEMENT LEFT in CASING 0'  
 DISPLACEMENT 19.6 bbl DISPLACEMENT PSI 500 MIX PSI 1000 Byp/ly \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safely meet. Rig up to 4 1/2" casing Break Circulation w/ 25 bbl water  
Pump 10 sk Gel-Flush w/ Mulls, 5 bbl water spacer, 10 bbl Caustic Soda Ac-Flush  
1000 bbl Dye water. Mixed 130 lbs Thick set Cement w/ 8" Kol-Seal P/sk  
3" Phenoseal, 1/2 2 CFL-110, 1/2 2 CAF-38 @ 13 3/4"/ft. Wash out Pump + lines  
Release Plug. Displace w/ 19.6 bbl Fresh water. Final Pump Pressure 500 PSI  
Bump Plug to 1000 PSI. Wait 2 mins. Release Pressure. Flush Hold  
Good Cement to surface = 10 bbl Slurry to Pit  
Job Complete

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	146.00
1126A	130 lbs	Thick Set Cement	17.00	2210.00
1110A	1040 #	8" Kol-Seal P/sk	.42	436.80
1107A	16 #	1/2" Phenoseal	1.15	18.40
1135	60 #	1/2 2 CFL-110	7.50	450.00
1146	30 #	1/2 2 CAF-38	7.70	231.00
1118A	500 #	Gel-Flush	.20	100.00
1105	50 #	Mulls	.39	19.50
1103	100 #	Caustic Soda	1.45	145.00
1123	6000 gal	Dye water	14.90/gal	89.40
5407A		Tom. Mileage	1.20	
5502C	4 hrs	80 bbl vac truck	100.00/hr	400.00
5502C	4 hrs	80 bbl vac truck	100.00/hr	400.00
4404	1	4 1/2" Top Rubber Plug	45.00	45.00
		Sub Total		5616.10
		SALES TAX	7.3%	273.39
		ESTIMATED TOTAL		5889.49

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OPERATOR S. Strickler TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Agree that the payment terms, unless specifically amended in writing on the front of the form or in the customer's records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.