



KANSAS CORPORATION COMMISSION 1049405
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33365
Name: Layne Energy Operating, LLC
Address 1: 1900 SHAWNEE MISSION PKWY
Address 2: _____
City: MISSION WOODS State: KS Zip: 66205 + 2001
Contact Person: Victor H. Dyal
Phone: (913) 748-3955
CONTRACTOR: License # 33606
Name: Thornton Air Rotary, LLC
Wellsite Geologist: None
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: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
9/17/2010 9/20/2010 10/28/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-205-27861-00-00
Spot Description: _____
NE NE NE SE Sec. 28 Twp. 30 S. R. 14 East West
2,465 Feet from North / South Line of Section
200 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Wilson
Lease Name: Hummer Well #: 9A-28
Field Name: _____
Producing Formation: N/A
Elevation: Ground: 890 Kelly Bushing: 0
Total Depth: 1186 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 40 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 01/20/2011

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: Deanna Garrison Date: 01/21/2011



1049405

Operator Name: Layne Energy Operating, LLC Lease Name: Hummer Well #: 9A-28
 Sec. 28 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Compensated Density Neutron Dual Induction	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Attached
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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 Casing	11	8.625	24	42	Class A	8	Type 1 Cement

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input 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 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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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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

Date Started	9/17/2010
Date Completed	9/20/2010

Well No.	Operator	Lease	A.P.I #	County	State
9A-28	Layne Energy Operating	Hummer	15-205-27861-00-00	Wilson	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			28	30	14E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Sean	Oil	8	42 8 5/8	1186	6 3/4

Formation Record

0-1	DIRT	701-704	SAND	1032-1066	SANDY SHALE
1-10	CLAY	704-712	SANDY SHALE	1066-1076	SAND
10-21	SHALE	712-735	SHALE	1076-1091	SHALE
21-88	LIME	735-743	SANDY SHALE	1091-1100	SANDY SHALE
88-105	SHALE	743-755	SAND	1100-1120	SAND
105-117	SAND	755-770	SANDY SHALE	1120-1130	SANDY SHALE
117-170	SHALE	770-780	SHALE	1130-1134	SHALE
170-180	LMY SHALE	780-820	SAND	1134-1146	SAND
180-189	SHALE	820-837	SANDY SHALE	1146-1186	SHALE
189-193	LIME	837-839	LIME (PAWNEE)	1186	TD
193-305	SHALE	839-840	COAL		
305-307	LIME	840-878	LIME		
307-350	SAND (WET)	878-881	BLACK SHALE		
360	WENT TO WATER	881-921	SHALE		
350-416	SHALE	921-942	LIME (OSWEGO)		
416-439	LIME/426 PICKED UP GAS	942-945	SHALE		
435	GAS TEST-7#,1",MCF-369	945-949	BLK SHALE (SUMMIT)		
439-443	SHALE	949-958	LIME		
443-524	LIME	958-962	BLK SHALE (EXCELLO)		
524-530	SHALE	961	GAS TEST - SLIGHT BLOW		
530-545	LIME	962-966	LIME		
545-550	LMY SHALE	966-976	SAND		
550-570	SAND	976-1006	SANDY SHALE		
570-628	LIME	1006-1007	COAL		
628-656	SHALE	1007-1020	SHALE		
656-658	LIME	1011	GAS TEST - SAME		
658-663	SHALE	1020-1022	LIME		
663-667	LIME	1022-1024	SHALE		
667-695	SHALE	1024-1025	COAL		
695-701	LIME	1025-1032	SAND		



*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

January 20, 2011

Victor H. Dyal
Layne Energy Operating, LLC
1900 SHAWNEE MISSION PKWY
MISSION WOODS, KS 66205-2001

Re: ACO1
API 15-205-27861-00-00
Hummer 9A-28
SE/4 Sec.28-30S-14E
Wilson County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Victor H. Dyal

CONSERVATION DIVISION

Finney State Office Building, 130 S. Market, Room 2078, Wichita, KS 67202-3802
(316) 337-6200 • Fax: (316) 337-6211 • <http://kcc.ks.gov/>



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January 20, 2011

Victor H. Dyal
Layne Energy Operating, LLC
1900 SHAWNEE MISSION PKWY
MISSION WOODS, KS 66205-2001

Re: ACO-1
API 15-205-27861-00-00
Hummer 9A-28
SE/4 Sec.28-30S-14E
Wilson County, Kansas

Dear Victor H. Dyal:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 9/17/2010 and the ACO-1 was received on January 20, 2011 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

Well Report

HUMMER 9A-28

API Number:

AFE Number: G01013600300

Project Area:

SYCAMORE
KS WILSON
30S - 14E - 28
2465FSL - 200FEL

AFE Amount: \$0.00

Activity Date	Activity Description
9/17/2010	MIRU THORNTON DRILLED 11" HOLE 42 DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN
9/20/2010	TIH W/ 6 3/4" BIT, HAMMER AND DRILL PIPE, DRILLED OUT FROM UNDER SURFACE TO 1186' TD, TESTING SAMPLES AT ZONES OF INTEREST. RD DRILL RIG. RU WIRELINE PULL LOGS FROM 1186' TO SURFACE. SDFN. 837-839 / PAWNEE 839-840 / COAL 921-942 / OSWEGO 945-949 / SUMMIT 958-962 / EXCELLO 961 / GAS TEST - SLIGHT BLOW 1006-1007 / COAL 1011 / GAS TEST - SLIGHT BLOW 1024-1025 / COAL 1025-1185 / SAND AND SHALE 1186 / TD
10/28/2010	Ran 2-3/8" tubing to 1168' pumped 15 sks 60/40 poz cement for 50' plug, moved up hole and pumped gel spacer at 482' pumped 15 sks cement for 2nd 50' plug, moved up hole and pumped gel spacer at 250' and 50 sks cement for 250' plug to surface. Job complete RDMO. DWC: \$3633.75