

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

8/20/07
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: M. Brent Natrass
Phone: (913) 748-3960
Contractor: Name: Thornton Air Rotary
License: 33606

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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. _____

4/25/2007	4/26/2007	Pending
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27160-00-00

County: Wilson

_____ SW SW Sec. 36 Twp. 30 S. R. 16 East West

660 feet from N (circle one) Line of Section

660 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Mahaffey Well #: 13-36

Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals

Elevation: Ground: 889' Kelly Bushing: _____

Total Depth: 1051' Plug Back Total Depth: 1046'

Amount of Surface Pipe Set and Cemented at 20 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1046

feet depth to Surface w/ 105 sx cmt.

Drilling Fluid Management Plan AHFN3 2-7309
(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: MRS. [Signature]

Title: Agent Date: 8/20/07

Subscribed and sworn to before me this 20 day of August
20 07.

Notary Public: MacLaughlin Darling

Date Commission Expires: 1/4/2009

MacLAUGHLIN DARLING
Notary Public - State of Kansas
My Appt. Expires 1/4/2009

KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

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Operator Name: Layne Energy Operating, LLC Lease Name: Mahaffey Well #: 13-36
 Sec. 36 Twp. 30 S. R. 16 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 copy of all Electric Wireline 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 <i>(Submit Copy)</i> List All E. Logs Run: Compensated Density Neutron Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>576 GL</td> <td>313</td> </tr> <tr> <td>Excello Shale</td> <td>707 GL</td> <td>182</td> </tr> <tr> <td>V Shale</td> <td>760 GL</td> <td>129</td> </tr> <tr> <td>Mineral Coal</td> <td>798 GL</td> <td>91</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	576 GL	313	Excello Shale	707 GL	182	V Shale	760 GL	129	Mineral Coal	798 GL	91
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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	20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1046'	Thick Set	105	#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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	SI-waiting on completion		

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 <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 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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CONSERVATION DIVISION
WICHITA KS

Daily Well Work Report

MAHAFFEY 13-36

4/26/2007

Well Location:
WILSON KS
30S-16E-36 SW SW
660FSL / 660FWL

Cost Center C01034900100
Lease Number C010349
Property Code KSCV30S16E3613
API Number 15-205-27160

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnelID
4/25/2007	4/26/2007				
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1051	1046	20	1046	0	0

Reported By krd	Rig Number	Date 4/25/2007
Taken By krd		Down Time
Present Operation Drill out from surface		Contractor Thornton Drilling

Narrative

Miru Thornton Drilling, drilled 11" hole, 20' deep, rih w/ 1 jt 8-5/8" surface casing, mxd 4 sxs type 1 cmt, dumped dn the backside, sdfn.
DWC: \$ 2,880

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CONSERVATION DIVISION
WICHITA, KS

AUG 20 2007

ATTN: Mac 5 pages

CONSOLIDATED OIL WELL SERVICES, INC.
 P.O. BOX 884, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

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 ENTERED

TICKET NUMBER 17308
 LOCATION Eureka
 FOREMAN Tray Strickler

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-27-07	4758	Mahaffey 17-26				Wilson
CUSTOMER Layne Energy			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS P.O. Box 160			445 Justin			
CITY STATE ZIP CODE Sumner KS			439 Jarrod			
			452/763 Jim			

Cous
 Jones
 Ag 1

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1051' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1046 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9" SLURRY VOL 33.301 WATER gal/sk 8.0 CEMENT LEFT IN CASING 0'
 DISPLACEMENT 16.6001 DISPLACEMENT PSI 600 MIX PSI 1200 bps/ply RATE _____

REMARKS: Safety Meeting. Rig up to 4 1/2" casing. Break Circulation w/ 1200 water pump
4 1/2 Gal Flush, 500 gal water, 1 lb Metasilicate Ac-Flush, 1000 gal water, 200 lb
Dry water. Mixed 105 sk Thick Set Cement w/ 10" Kol Seal @ 13.9" P.P.S.
Wash out Pump + lines Release Pkg. Displace w/ 16.6 Bbl water. Final
Pump Pressure 600 PSI. Pump Pkg to 1200 PSI. Wait 2 mins. Release
Pressure. Float Hall Good Cement to surface = 6 Bbl Slug to Pit

Job Complete.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	840.00	840.00
5406	40	MILEAGE	3.30	132.00
1126A	105.5sk	Thick Set Cement	15.40	1619.00
1110A	1050"	Kol-Seal 10" P.P.S.	.38	399.00
1118A	200"	Gel-Flush	.15	30.00
1111A	50"	Metasilicate - Ac-Flush	1.65	82.50
5407A	5.8 Tons	Tan-Mileage Bulk Truck	1.10	255.20
5501C	4hrs	Water Transport RECEIVED	100.00	400.00
1123	5000gal	Cip water KANSAS CORPORATION COMMISSION	12.80%	64.00
4404	1	4 1/2" Top Rubber Pkg AUG 22 2007	40.00	40.00
			CONSERVATION DIVISION WICHITA, KS	
			Sub Total	3859.10
			6.3%	SALES TAX
			ESTIMATED TOTAL	4000.35

213051

AUTHORIZATION Called by Mugga

TITLE Co-Rep

DATE _____

\$9356

GEOLOGIC REPORT

LAYNE ENERGY
Mahaffey 13-36
SW SW, 660 FSL, 660 FWL
Section 36-T30S-R16E
Wilson County, KS

Spud Date: 4/25/2007
Drilling Completed: 4/26/2007
Logged: 4/26/2007
A.P.I. #: 15205271600000
Ground Elevation: 889'
Depth Driller: 1051'
Depth Logger: 1050'
Surface Casing: 8.625 inches at 21'
Production Casing: 4.5 inches at 1046'
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 (Iola	
Kansas City Group	Limestone)	889
Pawnee Limestone	576	313
Excello Shale	707	182
"V" Shale	760	129
Mineral Coal	798	91
Mississippian		

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