

MAR 21 2006

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

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. B. Natrass
Phone: (913) 748-3987
Contractor Name: MOKAT Drilling
License: 5831

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>11/22/2005</u>	<u>11/28/2005</u>	<u>12/20/2005</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30878 0000
County: Montgomery
SE NW NW Sec. 8 Twp. 31 S. R. 14 East West
1800 feet from S / (circle one) Line of Section
500 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Hummer Well #: 5-8

Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 933' Kelly Bushing: _____
Total Depth: 1438' Plug Back Total Depth: 1360'
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 1387'
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan AH. II SB
(Data must be collected from the Reserve Pit) 5-5-08
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: MB Natrass
Title: Agent Date: 3/20/06
Subscribed and sworn to before me this 20th day of March
20 do
Notary Public: Brooke C Maxfield
Date Commission Expires: 12/28/09

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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NOTARY PUBLIC - State Of Kansas
BROOKE C. MAXFIELD
My Appt. Exp. 12/28/09

Operator Name: Layne Energy Operating, LLC Lease Name: Hummer Well #: 5-8
 Sec. 8 Twp. 31 S. R. 14 East West County: Montgomery

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 border="0" style="width: 100%;"> <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>951 GL</td> <td>-18</td> </tr> <tr> <td>Excello Shale</td> <td>1066 GL</td> <td>-133</td> </tr> <tr> <td>V Shale</td> <td>1133 GL</td> <td>-200</td> </tr> <tr> <td>Mineral Coal</td> <td>1174 GL</td> <td>-241</td> </tr> <tr> <td>Mississippian</td> <td>1386 GL</td> <td>-453</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	951 GL	-18	Excello Shale	1066 GL	-133	V Shale	1133 GL	-200	Mineral Coal	1174 GL	-241	Mississippian	1386 GL	-453
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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	8.65	24	20'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1387'	Thick Set	150	

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
	See Attached		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	1143'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
1/6/2006		<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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio Gravity
	0	4.5	44	

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Hummer 5-8		
	Sec. 8 Twp. 31S Rng. 14E, Montgomery County		
API:	15-125-30878		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1133.5-1137, 1115.5-1117, 1066.5-1071.5, 1052-1055.5	Croweberg, Bevier, Mulky, Summit - 6000# 20/40 sand, 3000 gal 15% HCl acid, 546 bbls wtr	1052-1137

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CONSOLIDATED OIL WELL SERVICES, INC.

MAR 20 2006

TICKET NUMBER 07939

P.O. BOX 884, CHANUTE, KS 66720

LOCATION Eureka

20-431-9210 OR 800-467-8676

FOREMAN Troy Strickler

KCC

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
11-20-05	4758	Hummer 5-8				MG	
CUSTOMER Layne Energy		Gas Jumps Rg 2		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 160				463	Alan		
CITY Sycamore		STATE KS	ZIP CODE	441	Rick P		

OB TYPE Longstrg HOLE SIZE 6 3/4 HOLE DEPTH 1438' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1387' DRILL PIPE TUBING OTHER Pump Plug to 1360'
 SLURRY WEIGHT 13.2# SLURRY VOL 47.5Bbl WATER gal/sk 8° CEMENT LEFT in CASING 27'
 DISPLACEMENT 21.5Bbl DISPLACEMENT PSI 700 RATE

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Break Circulation. Pump 28skts of 12-20 Brady Sand. Shut down. Pull one joint. wait 30mins. Tag sand. Washed 5' Sand Bridged off. Had Pipe hung up. Pump Gel + Worked casing. Finally got casing free. Circulated Hole Clean @ 1387'. Mixed 150skts ThickSet Cement w/ 10" Kol-Seal @ 13.2# gel. Wash out Pump + lines. Shut down. Released Plug. Displaced w/ 21.5Bbl water. Stopped Plug w/ wireline @ 1360'. Final Pump Pressure 700PSI. Shut Casing in. Left 27' Cement in Pipe. Good Cement to Surface = 7Bbl Slurry to Pit.

Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES RECEIVED	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	40	MILEAGE	3.00	120.00
1126A	150skts	ThickSet Cement	13.00	1950.00
1110A	30skts	Kol-Seal 10" Per/sk	16.90	507.00
1118A	4skts	Gel Flush	6.63	26.52
1111A	50#	Metasilicate	1.55#	77.50
5407A	8.25 tons	Ton-Mileage Bulk Truck	1.00	330.00
5605A	4hrs.	Welder	75.00	300.00
4311	1	Weld on Collar	48.00	48.00
2102A	28skts	12-20 Brady 50#skt	8.15	228.20
Thank You!				
			Sub Total	4352.22
			5.32 SALES TAX	137.88
			ESTIMATED TOTAL	4490.50

AUTHORIZATION Called by John Ed

201263

TITLE DATE

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MAR 20 2006

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GEOLOGIC REPORT

LAYNE ENERGY

Hummer 5-8

SW¼, NW¼, 1,800' FNL, 500' FWL

Section 8-T31S-R14E

MONTGOMERY COUNTY, KANSAS

Drilled: November 22-28, 2005

Logged: November 28, 2005

A.P.I.# 15-125-30878

Ground Elevation: 933'

Depth Driller: 1,438'

Depth Logger: 1,412'

Surface Casing: 8 5/8" @ 20'

Production Casing: 4 1/2" @ 1,389'

Cemented Job: Consolidated

Open Hole Logs: Compensated density neutron log, dual induction sfl/gr log

FORMATION TOPS (in feet below ground surface)

Douglas Group.....Surface (Revard Sandstone Bed)

First Oswego Lime1,028

Little Osage Shale.....1,053

Excello Shale1,066

Bevier Coal1,116

"V" Shale1,133

Mineral Coal1,174

AW Coal1,353

Mississippian1,386

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