

CONFIDENTIAL

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM**

Form ACO-1
September 1999
Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE *AMENDED

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: McPherson Drilling
License: 5675
Wellsite Geologist: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abn.
 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. _____

5/20/2005 5/23/2005 6/30/2005
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-30745 - 00 - 00
County: Montgomery
SE NW Sec. 6 Twp. 32 S. R. 16 East West
1650 feet from S / (N) (circle one) Line of Section
2100 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Hogan Well #: 6-6
Field Name: Jefferson-Sycamore
Producing Formation: Cherokee Coals
Elevation: Ground: 858 Kelly Bushing: _____
Total Depth: 1304 Plug Back Total Depth: 1292
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 1300
feet depth to Surface w/ 135 sx cmt.
ALT II 10-2-06 WHM

Drilling Fluid Management Plan
(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.: _____

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KANSAS CORPORATION COMMISSION
NOV 03 2005
CONSERVATION DIVISION
WICHITA, KS

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 GP-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: 11/2/05
Subscribed and sworn to before me this 2nd day of November,
2005
Notary Public: M. Allen
Date Commission Expires: 10/14/2008

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

MARGARET ALLEN
Notary Public - State of Kansas
My Appt. Expires _____

Operator Name: Layne Energy Operating, LLC Lease Name: Hogan Well #: 6-6
 Sec. 6 Twp. 32 S. R. 16 ✓ 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 ✓ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes ✓ No Cores Taken Yes ✓ No Electric Log Run ✓ Yes No <i>(Submit Copy)</i> List All E. Logs Run: Compensated Density Neutron Dual Induction	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">✓ Log</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample</th> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>648</td> <td>210</td> </tr> <tr> <td>Excello Shale</td> <td>800</td> <td>58</td> </tr> <tr> <td>V Shale</td> <td>848</td> <td>10</td> </tr> <tr> <td>Mineral Coal</td> <td>886</td> <td>-28</td> </tr> <tr> <td>Mississippian</td> <td>1207</td> <td>-349</td> </tr> </table>	✓ Log	Formation (Top), Depth and Datum	Sample	Name	Top	Datum	Pawnee Lime	648	210	Excello Shale	800	58	V Shale	848	10	Mineral Coal	886	-28	Mississippian	1207	-349
✓ Log	Formation (Top), Depth and Datum	Sample																				
Name	Top	Datum																				
Pawnee Lime	648	210																				
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V Shale	848	10																				
Mineral Coal	886	-28																				
Mississippian	1207	-349																				

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"	23	20'	Class A	4	Type 1 Cement
Casing	6 3/4"	4.5"	10.5	1300'	Thick Set	135	

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	RECEIVED KANSAS CORPORATION COMMISSION NOV 03 2005 CONSERVATION DIVISION WICHITA, KS	

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	✓ No
		2 3/8"	1209'				
Date of First, Resumed Production, SWD or Enhr.		Producing Method					
10/22/2005		Flowing		✓ Pumping		Gas Lift Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio		Gravity	
	0	0.5	110				

Disposition of Gas Vented Sold Used on Lease Other (Specify) _____

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled _____

Layne Energy, Inc.

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

9-12-2006

9-12-07

November 2, 2005

Kansas Corporation Commission
Oil & Gas Conservation Division
130 S. Market, Room 2078
Wichita, KS 67202

ATTN: Ms. Sharon Ahtone

Re: Hogan 6-6

Dear Ms. Ahtone:

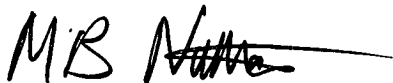
I have enclosed the amended ACO-1 form for the following well:

API # 15-125-30745
Hogan 6-6

~~We respectfully request that all information submitted be kept confidential and per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.~~

If you need additional information or have any questions or comments, please contact me at (913) 748-3987.

Best regards,



M. B. Nattrass
Agent

Enclosure

Cc Well File
Field Office

This was received on 9-13-2005. Went conf on 9-12-2005, out of conf. on 9-12-2006.

One this ACO-1 cannot see why they needed to send this in again, cannot see any changes. SA 11-10-2005

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NOV 03 2005

**CONSERVATION DIVISION
WICHITA, KS**



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Side Two

KCC
SEP 12 2005

ORIGINAL

Operator Name: Layne Energy Operating, LLC

Lease Name: Hogan Well #: 6-6

Sec. 6 Twp. 32 S. R. 16 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pawnee Lime	648	210
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	800	58
List All E. Logs Run:		V Shale	848	10
Compensated Density Neutron		Mineral Coal	886	-28
Dual Induction		Mississippian	1207	-349

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"	23	20'	Class A	4	Type 1 Cement
Casing	6 3/4"	4.5"	10.5	1300'	Thick Set	135	

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		

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
		2 3/8"	1209'				
Date of First, Resumed Production, SWD or Enhr.		Producing Method					
SI - Waiting on production		Flowing		Pumping		Gas Lift Other (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, Sumit ACO-18.) Other (Specify) _____

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SEP 13 2005
CONSERVATION DIVISION
WICHITA, KS

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ORIGINAL

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Hogan 6-6		
	Sec. 6 Twp. 21S Rng. 16E, Montgomery County		
API:	15-125-30745		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1188-1190, 954.5-956, 886-887, 849-851	Riverton, Weir, Mineral, Croweberg - 1,500gal 15% HCL + 404 bbls water + 4,300# 20/40 Sand	849-1190
4	826-828.5, 799.5-805, 772-775, 643.5-644.5	Ironpost, Mulkey, Summit, Mulberry - 2,100gal 15% HCL + 351 bbls water + 5,000# 20/40 Sand	643.5-828.5

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CONSERVATION DIVISION
WICHITA, KS

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MORNING COMPLETION REPORT

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SEP 13 2005
ORIGINAL
CONSERVATION DIVISION
WICHITA, KS

Report Called in by: John Ed

Report taken by: KRD

LEASE NAME & #	AFE#	DATE	DAYS	CIBP	PBTD
HOGAN 6-6		6/20/2005	1	DEPTH	TYPE FLUID
PRESENT OPERATION:					WT
DRILL OUT FROM UNDER SURFACE					VIS
DEEPEST CASING	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS	CONTRACTOR MC		
OD SHOE DEPTH			RIG NO Mike		
PACKER OR ANCHOR	FISHING TOOLS OD ID	TEST PERFS	SQUEEZED OR PLUG BACK PERFS		
		TO	TO		
		TO	TO		
		TO	TO		
		TO	TO		
HRS	BRIEF DESCRIPTION OF OPERATION				
	MIRU MCPHERSON DRILLING, DRILLED 11" HOLE, 20' DEEP, RIH W/ 1 JT & 5/8" SURFACE CASING,				
	MIXED 4 SXS TYPE 1 CEMENT, DUMPED DN THE BACKSIDE, SOFN.				

DAILY COST ANALYSIS

RIG	_____
SUPERVISION	200
RENTALS	_____
SERVICES	400
MISC	2280
DAILY TOTALS	2880

DETAILS OF RENTALS, SERVICES, & MISC

MCPHERSON DRILLING @ 6.50/ft	
MCPHERSON (CEMENT)	80
DIRTWORKS (LOC, RD, PIT)	400
SURFACE CASING	200
LAND/ LEGAL	2000

PREVIOUS TCTD _____ TCTD 2880

CONSOLIDATED OIL WELL SERVICES, INC.
 211 W. 14TH STREET, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

KCC

SEP 12 2005

T. ET NUMBER 3983

LOCATION EUREKA

FOREMAN Kevin McCoy

CONFIDENTIAL
 TREATMENT REPORT & FIELD TICKET
 CEMENT

ORIGINAL

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DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-25-05	4758	Hogan 6-6				MG
CUSTOMER		Gus Jones	TRUCK #	DRIVER	TRUCK #	DRIVER
LAYNE Energy			445	Rick		
MAILING ADDRESS			439	Anthony		
P.O. Box 160						
CITY	STATE	ZIP CODE				
Sycamore	Ks					

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1304' CASING SIZE & WEIGHT 4 1/2 10.5# New
 CASING DEPTH 1300' DRILL PIPE _____ TUBING _____ OTHER P.B.T.D. 1292'
 SLURRY WEIGHT 13.2# SLURRY VOL 42 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 8'
 DISPLACEMENT 20.5 BBL DISPLACEMENT PSI 700 MIX PSI 1200 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up wash Head to 4 1/2 casing. Break Circulation w/ 21 BBL fresh water. wash down 25' 4 1/2 casing w/ additional 60 BBL fresh water. Rig up to cement. Pump 10 BBL Metasilicate Pre Flush, 12 BBL Dye water. Mixed 135 SKS Thick Set Cement w/ 10# Kol-Seal per/sk @ 13.2# per/gal, yield 1.75. wash out Pump & Lines. Shut down. Release Plug. Displace w/ 20.5 BBL Fresh water. Final Pumping Pressure 700 PSI. Bump Plug to 1200 PSI. wait 2 minutes Release Pressure. Float Held. Good Cement Returns to Surface = 6 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	25	MILEAGE	2.50	62.50
1126 A	135 SKS	Thick Set Cement	13.00	1755.00
1110 A	27 SKS	Kol-Seal 10# per/sk	16.90	456.30
1111 A	50 #	Metasilicate Pre Flush	1.55 #	77.50
5407 A	7.40 TONS	25 miles	.92	170.20
4404	1	4 1/2 Top Rubber Plug	38.00	38.00
5605 A	4 Hrs	Welder	75.00	300.00
4311	1	4 1/2 weld on Collar	48.00	48.00
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SEP 13 2005				
CONSERVATION DIVISION WICHITA, KS				
		Sub Total		3672.50
		SALES TAX		125.86
		ESTIMATED TOTAL		3798.36

AUTHORIZATION Called By John Ed TITLE _____ DATE _____

CONFIDENTIAL

ORIGINAL RECEIVED
KANSAS CORPORATION COMMISSION

SEP 13 2005

GEOLOGIC REPORT

CONSERVATION DIVISION
WICHITA, KS

LAYNE ENERGY

Hogan 6-6

KCC

SEP 12 2005

SE ¼, NW ¼, 1,650' FNL, 2,100' FWL

Section 6-T32S-R16E

CONFIDENTIAL

MONTGOMERY COUNTY, KANSAS

Drilled: May 20-23, 2005

Logged: May 24, 2005

A.P.I.# 15-125-30745

Ground Elevation: 858'

Depth Driller: 1,304'

Depth Logger: 1,294'

Surface Casing: 8 5/8" @ 20'

Production Casing: 4 1/2" @ 1,300'

Cemented Job: Bluestar

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

FORMATION.....TOPS (in feet below ground surface)

Kansas City Group.....Surface (Cottage Grove Sandstone)

Lenapah Lime.....449

Altamont Lime.....494

Mulberry Coal.....644

Pawnee Lime.....648

Anna Shale.....670

First Oswego Lime.....737

Little Osage Shale.....772

Excello Shale.....800

Mulky Coal.....804

Iron Post Coal.....826

"V" Shale.....848

Croweburg Coal.....850

Mineral Coal.....886

Weir Pitt Coal.....955

AW Coal.....1,111

Riverton Coal.....1,188

Mississippian.....1,207