KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-30927-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	NE_SE_Sec. 29 Twp. 31 S. R. 17 V East West
City/State/Zip: Mission Woods, KS 66205	2326 feet from S/ N (circle one) Line of Section
Purchaser:	486 [E) W (circle one) Line of Section
Operator Contact Person: M. B. Nattrass	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3987 KANSAS CORPORATION COM	MISSION (circle one) NE SE NW SW
Contractor: Name: McPherson Drilling MAY 3 0 2006	Lease Name: Big Hill Farms Well #: 9-29
License: 5675	Field Name: Coffeyville-Cherryvale
Wollette Goolegist: CONSERVATION DIVISIO	N Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 848' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1103' Plug Back Total Depth: 1093'
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21.5' Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1100'
Operator:	feet depth to Surface w/, 115 sx cmt.
Well Name:	at 2 -D/g. 11/4/08
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume bbls
Plug Back Plug Back Total Depth .	Dewatering method used N/A - Air Drilled
Commingled Docket No	
Dual Completion Docket No.	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr:?) Docket No	Operator Name:
2/9/2006 2/13/2006 2/27/2006	Lease Name:License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
•	
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regular herein are complete and correct to the best of my knowledge.	te the oil and gas industry have been fully complied with and the statements
MR ALT	
Signature: 10 / Tubba	KCC Office Use ONLY
Title: Agent Date: 5/26/06	Letter of Confidentiality Attached
Subscribed and sworn to before me this 20 day of	If Denied, Yes Date:
$\mathcal{T}_{\Lambda} \longrightarrow \Lambda \longrightarrow \Lambda \longrightarrow \Lambda \longrightarrow \Lambda$	Wireline Log Received
20	Geologist Report Received
Notary Public:	UIC Distribution
Date Commission Expires: 1778 01	• .
A NOTARY PUBLIC State Of Kansas	
BROOKE C. MAXFIELD	•

My Appt. Exp.

Big Hill Farms Operator Name: Layne Energy Operating, LLC 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. Formation (Top), Depth and Datum Sample **Drill Stem Tests Taken ✓** No **√** Log Yes (Attach Additional Sheets) Name Top Datum Yes Samples Sent to Geological Survey 392 Pawnee Lime 456 GL Cores Taken Yes **✓** No ✓ Yes Electric Log Run No 238 **Excello Shale** 610 GL (Submit Copy) 665 GL 183 V Shale List All E. Logs Run: 709 GL 139 Mineral Coal Compensated Density Neutron 1018 GL -170 **Dual Induction** Mississippian CASING RECORD ✓ New Used Report all strings set-conductor, surface, intermediate, production, etc. Size Casing Size Hole Weight Lbs. / Ft. Setting Type of # Sacjs Type and Percent Purpose of String Set (In O.D.) Depth Additives Surface 11 8.65 24 21.5 Class A 4 Type 1 cement 1100' Thick Set 6.75 4.5 10.5 115 Casing ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type and Percent Additives Type of Cement **#Sacks Used** Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot (Amount and Kind of Material Used) Depth RECEIVED See Attached KANSAS CORPORATION COMMISSION MAY 3 0 2006 CONSERVATION DIVISION WICHTIA KS **TUBING RECORD** Size Set At Packer At Liner Run Yes ✓ No 2 3/8" 988' Date of First, Resumerd Production, SWD or Enhr. **Producing Method** Flowing **✓** Pumping Gas Lift Other (Explain) 4/28/2006 Estimated Production Oil Bbis. Gas Mcf Water Bbis. Gas-Oil Ratio Gravity Per 24 Hours 7 70 n Disposition of Gas METHOD OF COMPLETION Production Interval Perf. Dually Comp. √ Commingled Open Hole (If vented, Submit ACO-18.) Other (Specify)

RECEIVED KANSAS CORPORATION COMMISSION

MAY 3 0 2006

CONSERVATION DIVISION WICHITA, KS

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Big Hill Farms 9-29		
	Sec. 29 Twp. 31S Rng. 17E, Montgomery County		
API:	15-125-30927		
Shots per Foot		/ tola, tradeard, direct description	Depth
4	942.5-944, 892.5-894, 846-847.5, 829-830.5	Rowe, Drywood, Bluejacket, Weir-4500# 20/40 şand, 1200 gal 15% HCl acid, 402 bbls wtr	829-944
4	708.5-710, 679-680.5, 666-668.5, 644-646, 610-616, 583-586.5	Mineral, Fleming, Croweberg, Bevier, Mulky, Summit- 7300# 20/40 sand, 2625 gal 15% HCl aci, 536 bbls wtr	583-710

RECEIVED KANSAS CORPORATION COMMISSION

MAY 3 0 2006

MORNING COMPLETION REPORT

B + - - A

CONSERVATION DIVISION WICHITM, KS

SURFACE CASING 200	Report Called in by:	: JOHN ED			Report taken by	· KKD			
DEPTH TYPE FLUID	EASE NAME & #		AFE#	DATE	DAYS				
RESENT OPERATION: DRILL OUT FROM UNDER SURFACE VIS				i			TYPE FLUID		
DRILL OUT FROM UNDER SURFACE DESTSTASSING UNDERS OD TOP & SHOE DEPTH REPAIR DOWN THER HRS CONTRACTOR RIG NO TEST PEFFS PACKER OR ANCHOR, FISHING TOOLS DD 10 10 10 10 TO 10 10 TO 10 HRS BRIEF DESCRIPTION OF OPERATION MIRU MCPHERSON, DRILLED 11" HOLE, 21.5" DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING, MIXED 4 SKS TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN MIXED 4 SKS TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE SDFN MIXED 4 SKS TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE SDFN DETAILS OF RENTALS, SERVICES, & MISC MCPHERSON DRILLING @ 8.59/ft MCPHERSON DRILLING @ 8.5			C01012200800	2/9/2006	<u> </u>	TYPE	NA/T		
EEPEST CASING	RESENT OPERATI	ON:		DRILL OUT	EDOM LINDED S	HIDEACE			
STATE STAT	ECDECT CACING	LINEDS OD TOD 9 SUO	E DEDTU						
PACKER OR ANCHOR, FISHING TOOLS OD ID TO SQUEEZED OR PLUIS BACK PERF. TO		LINEKS OD TOP & SHO	E DEP1H	KEFAIK DOW	N THE TING	 '			
PACKER OR ANCHOR FISHING TOOLS OD ID TO SQUEEZED OR PLUIG BACK PERF. 10 10 10 10 10 10 10 10 10 10 10 10 10 1	JOSHOE DEF TH			TEST	r PERFS				
10	PACKER OR ANCHOR	FISHING TOOLS	OD ID			so	UEEZED OR PLUG BACK PERFS		
### BRIEF DESCRIPTION OF OPERATION MIRU MCPHERSON, DRILLED 11" HOLE, 21.5" DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING. MIXED 4 SKS TYPE 1 GEMENT, DUMPED DOWN THE BACKSIDE. SDFN **DAILY COST ANALYSIS** **DETAILS OF RENTALS, SERVICES, & MISC **MCPHERSON OF RILLING @ 6.50/R* **MCPHERSON (CEMENT) 80 **SUPERVISION 200 DIRTWORKS (LOC RD, PIT) 400 **SUPERVISION 200 **SUPERVISION 200 **SERVICES 400 **MISC 2280 **MISC 2280					то		то		
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MCPHERSON (CEMENT) 80	RIG				r.	CPHERSON DRILLIN	G @ 6.50/ft		
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RECEIVED

KANSAS CORPORATION COMMISSION TICKET NUMBER_

08337

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

MAY 3 0 2006

FOREMAN Kenn McCoy

TREATMENT PREPERFORMS DE TICKET CEMENT KS

DATE	CUSTOMER #	WELL NAME & NUMBER			SECTION	TOWNSHIP	RANGE	COUNTY
2-14-06	4758	Big HILLS FAR	m 9-29					MG
CUSTOMER				***				A dan e
	AYNE EN	ergy	Gu	15 [TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRE	SS		J0/	wes [445	RICK L.		
P.O.	Box 160		Rig	92 [441	LARRY		
CITY		STATE ZIP CO	DDE		452-763	Jim		
Sycam	ore	Ks			436	John		<u></u> _
		HOLE SIZE 63/4	HOLE	E DEPTH_		CASING SIZE & V	EIGHT 4/2	10.5 4 NBW
CASING DEPTH		DRILL PIPE	TUBI	ING			OTHER PBT	0 1093
SLURRY WEIGH	1T/3.2 *	SLURRY VOL 36	WAT	ER gal/sk_	8.°	CEMENT LEFT in	CASING 2	
DISPLACEMENT	17.4 BbL	DISPLACEMENT PSI	500 MR	PSI <u>/000</u>	Bungo Plug	RATE		
REMARKS: C	rety Meen	ting: Big up	为线	CASING	. BREAK	CIRCUlation	v w/ 30	BBL FRESH
WATER.	Puma 4	SKS GEL Flush	5 BBL	WATCA	SPACER	10 BbL Me	tas ilicate	PRE
flush .	10 BbL DV	water. MIX	ed 115 s	ks Th	ICK Set C	ement w/	10 - KOL-S	BAL PERISK
@ 13.2	# perlanc	Vield 1.75. W	iash out	Pump	& LINES.	Shut dou	w. Kelen	ise Plug.
DISPLA	ce w/ 17.	Y BLL FRESH C	uater. t	FINAL	Pumping	PRESSURE	500 ASI.	<u>Bump Aluq</u>
to 1000	PSI. WA	it 2 minutes.	. Release	e PRES	sur . Fi	OAT Held.	Good Cen	newt
Retuen	s to SUR	FACE = 8 BBL	Slurry.	Job	Complet	e. Rig do	ww.	
						•		

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	40	MILEAGE / ST well of 2	3.15	126.00
1126 A	115 sks	Thick Set Cement	13.65	1569.75
IIIO A	23 sks	KOL-SEAL 10 # PERISK	17.75	408.25
1118 A	4 sks	Gel Flush	7-00	28.00
III A	50 *	MetasiLicate PRE flush	1.65	82.50
5407 A	6.32 Tons	40 miles BULK TRUCK	1.05	265.44
5501 C	3 HRS	WATER TRANSPORT	98.00	294.00
5502 C	3 HRS	80 Bbl. VAC TRUCK	90.00	270.00
1123	6000 9Als	City water	12.80 1000	76.80
4404		4/2 Top Rubbee Plug	40.00	40.00
4311	1	4/2 Top Rubber Plug 4/2 weld on Collar	58.00	58.00
5605 A	4 HRS	Welder	78.00	312.00
			Sub Total	4330.74
		Thank You 5.3%	SALES TAX	119.95
		7 203063	ESTIMATED TOTAL	4450.69

AUTHORIZATION CALLED BY John Ed

TITLE_

.

DATE

KANSAS CORPORATION COMMISSION

MAY 3 0 2006

CONSERVATION DIVISION

GEOLOGIC REPORT

LAYNE ENERGY Big Hill Farms 9-29 NE SE, 2326 FSL, 486 FEL Section 29-T31S-R17E Montgomery County, KS

Spud Date: 2/9/2006 **Drilling Completed:** 2/13/2006 Logged: 2/13/2006 A.P.I. #: 15-125-30927 Ground Elevation: 848' Depth Driller: 1103' Depth Logger: 1106' Surface Casing: 8.625 inches at 21' 4.5 inches at 1100'

Production Casing:

Cemented Job: Consolidated

Dual Induction SFL/GR, High Resolution Open Hole Logs:

Compensated Density/Neutron

Tops (in feet below ground level) Formation Surface (Cherryvale Formation) Kansas City Group Pawnee Limestone 456 Excello Shale 610 "V" Shale 665 Mineral Coal 709 Mississippian 1,018