

KCC
NOV 23 2005
CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

CONFIDENTIAL

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: _____

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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. _____

8/12/2005 8/15/2005 8/26/2005
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-30818 - 00-00
County: Montgomery
S/2 N/2 SW, NW Sec. 1 Twp. 32 S. R. 16 East West
1800 feet from S / (circle one) Line of Section
700 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Cottrill Well #: 5-1

Field Name: Brewster
Producing Formation: Cherokee Coals
Elevation: Ground: 873' Kelly Bushing: _____
Total Depth: 1212' Plug Back Total Depth: 1198'
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 1209'
feet depth to Surface w/ 135 _____ sx cmt.

Drilling Fluid Management Plan 4-3-07 w/hm
(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: M.B. Natrass
Title: Agent Date: 11/23/2005
Subscribed and sworn to before me this 23rd day of November
20 05
Notary Public: M. Allen
Date Commission Expires: 10/14/2005

KCC Office Use ONLY
YES 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 _____

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Side Two

KCC
NOV 23 2005

ORIGINAL

Operator Name: Layne Energy Operating, LLC Lease Name: Cottrill Well #: 5-1
Sec. 1 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	<input type="checkbox"/> 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	552 GL	321
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	704 GL	169
List All E. Logs Run:		V Shale	755 GL	118
Compensated Density Neutron		Mineral Coal	796 GL	77
Dual Induction		Mississippian	1113 GL	-240

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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	1209'	Thick Set	135	

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
	See Attached			Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	1122'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
9/15/2005			<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	0	0.5	26			

Disposition of Gas METHOD OF COMPLETION Production Interval

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

(If vented, Submit ACO-18.) *(Specify)*

15-125-30818-00-

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Cottrill 5-1		
	Sec. 1 Twp. 32S Rng. 16E, Montgomery County		
API:	15-125-30818		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1101.5-1103, 1045.5-1047, 942-943	Riverton, Rowe, Bluejacket - 3400# 20/40 sand, 1000 gal 15% HCl acid, 377 bbls wtr	942-1103
4	796-797, 756-757.5, 733.5-735.5, 703.5-709, 676-680.5	Mineral, Croweberg, Ironpost, Mulkey, Summit - 6300# 20/40 sand, 2500 gal 15% HCl acid, 580 bbls wtr	676-797

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GEOLOGIC REPORT

LAYNE ENERGY
Cottrill 5-1
NE ¼, SW ¼, 1,650' FSL, 2,000' FWL
Section 1-T32S-R16E
MONTGOMERY COUNTY, KANSAS

Drilled: August 12-16, 2005

Logged: August 16, 2005

A.P.I.# 15-125-30818

Ground Elevation: 873'

Depth Driller: 1,212'

Depth Logger: 1,212'

Surface Casing: 8 5/8" @ 20'

Production Casing: 4 1/2" @ 1,209'

Cemented Job: Consolidated

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

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FORMATION.....	TOPS (in feet below ground surface)
Kansas City Group.....	Surface (Dewey Limestone)
Lenapah Lime.....	343
Altamont Lime.....	390
Weiser Sand.....	438
Pawnee Lime.....	552
Anna Shale.....	574
First Oswego Lime.....	641
Little Osage Shale.....	677
Excello Shale.....	704
Mulky Coal.....	708
Iron Post Coal.....	734
"V" Shale.....	755
Croweburg Coal.....	757
Mineral Coal.....	796
Bluejacket Coal.....	942
AW Coal.....	1,046
Riverton Coal.....	1,102
Mississippian.....	1,113

MORNING COMPLETION REPORT

Report Called in by: JES

Report taken by: KRD

LEASE NAME & #		AFE#	DATE	DAYS	CIBP DEPTH	PBTD TYPE FLUID
COTTRILL 5-1			8/12/05	1		
PRESENT OPERATION:						WT
DRILL OUT FROM UNDER SURFACE						VIS
DEEPEST CASINO OD SHOE DEPTH	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS		CONTRACTOR MOKAT		
	8 5/8" 24# J-86 - Set 20'			RIG NO BILLY		
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 MOKAT DRILLING, DRILLED 11" HOLE, 20' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING.					
	MIXED 4 SXS TYPE 1 CEMENT, DUMPED ON THE BACKSIDE. SDFN.					
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DAILY COST ANALYSIS

RIG	_____
SUPERVISION	200
RENTALS	_____
SERVICES	400
MISC	2280

DETAILS OF RENTALS, SERVICES, & MISC	
MOKAT DRILLING @ 6.50/ft	
MOKAT (CEMENT)	80
DIRTWORKS (LOC, RD, PIT)	400
SURFACE CASING	200
LAND/ LEGAL	2000

DAILY TOTALS 2880 PREVIOUS TCTD _____ TCTD 2880

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

CKET NUMBER 5224
 LOCATION Eureka
 FOREMAN Troy Strickler

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-17-05	4758	Cottrill 5-1				MG
CUSTOMER <u>Layne Energy</u>			TRUCK #			
MAILING ADDRESS <u>P.O. Box 160</u>			DRIVER			
CITY <u>Sycamore</u>			TRUCK #			
STATE <u>Ks</u>			DRIVER			
ZIP CODE						

JOB TYPE Longstring HOLE SIZE 6 3/4" HOLE DEPTH 1212' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1209' DRILL PIPE PBTD 1198' OTHER _____
 SLURRY WEIGHT 13.2# SLURRY VOL. 42.7 Bbl WATER gal/sk 8° CEMENT LEFT in CASING 11'
 DISPLACEMENT 19 Bbl DISPLACEMENT PSI 800 PSI ~~max PSI~~ Bump Plug 1300 PSI RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2" casing, Break Circulation w/ 25 Bbl Fresh Water. Mix 10 Bbl Gel Flush, 10 Bbl spacer, 10 Bbl Metasilicate water, 9 Bbl dye water, mixed 135 sks Thickset Cement 10" Kol-Seal Perisk @ 13.2# Per gal. Wash out Pump + lines. shut down. Release Plug Displace w/ 19 Bbl Fresh water. Final Pump pressure 800 PSI, Bump Plug to 1300 PSI. Good Cement Re RECEIVED surface = 8 Bbl slurry to pit. Job Complete. Rig down.

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	25 miles	MILEAGE	2.50	62.50
1126A	135 sks	Thickset Cement	13.00	1755.00
1110A	27 sks	Kol-Seal	16.90	456.30
1111A	50 #	Metasilicate - Pre-Flush	1.55	77.50
1118A	4 sks	Gel-Flush	6.63	26.52
5407A	7.43 Ton	Ton-Mileage Bulk Truck	.92	170.89
5605A	4 hrs	Welder	75.00	300.00
4311	1	4 1/2" Weld on Collar	48.00	48.00
4404	1	4 1/2" Top Rubber Plug	38.00	38.00
Thank You!				
			Sub Total	3699.71
			5.3% SALES TAX	127.27
			ESTIMATED TOTAL	3826.98

AUTHORIZATION Called by John Ed

TITLE mm 199120

DATE _____