

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

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

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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)

CONSERVATION DIVISION
WICHITA, KS

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. _____

8/8/2005 8/9/2005 8/19/2005
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-30820-00-00
County: Montgomery
S/2 N/2 SW NW Sec. 33 Twp. 31 S. R. 16 East West
1800 feet from S / (circle one) Line of Section
330 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Heckman Well #: 5-33
Field Name: Neodesha

Producing Formation: Cherokee Coals
Elevation: Ground: 768' Kelly Bushing: _____
Total Depth: 1125' Plug Back Total Depth: 1111'
Amount of Surface Pipe Set and Cemented at 35 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1122
feet depth to Surface w/ 125 sx cmt.

Drilling Fluid Management Plan AH II NH 6-17-05
(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: MB Nattrass
Title: Agent Date: 11/23/2005
Subscribed and sworn to before me this 23rd day of November
20 05
Notary Public: Mr. 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 _____

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Side Two

KCC

ORIGINAL

NOV 23 2005

Operator Name: Layne Energy Operating, LLC

Lease Name: Heckman

Well #: 5-33

Sec. 33 Twp. 31 S. R. 16 East West

County: Montgomery

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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 Yes No
(Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy)

List All E. Logs Run:

Compensated Density Neutron
Dual Induction

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WICHITA, KS

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Pawnee Lime	490 GL	278
Excello Shale	636 GL	132
V Shale	687 GL	81
Mineral Coal	727 GL	41
Mississippian	1027 GL	-259

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	35'	Class A	40	Type 1 cement
Casing	6.75	4.5	10.5	1122'	Thick Set	125	

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"	1029'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
10/7/2005	<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	10	87		

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Heckman 5-33		
	Sec. 33 Twp. 31S Rng. 16E, Montgomery County		
API:	15-125-30820		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1010-1012, 958.5-960, 846-848, 798-802, 790.5-792	Riverton, Rowe, Bluejacket, Weir, Tebo - 2,300gal 15% HCL + 571 bbls water + 7,000# 20/40 Sand	790.5-1012
4	726.5-728.5, 688-689, 664-665, 635-641, 609-612	Fleming, Croweberg, Ironpost, Mulkey, Summit - 2,300gal 15% HCL + 571 bbls water + 7,600# 20/40 Sand	609-728.5

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WICHITA, KS

GEOLOGIC REPORT

15-125-30820-00-1

LAYNE ENERGY

Heckman 5-33

SW ¼, NW ¼, 1,800' FNL, 330' FWL

Section 33-T31S-R16E

MONTGOMERY COUNTY, KANSAS

Drilled: August 8-9, 2005

Logged: August 11, 2005

A.P.I.# 15-125-30820

Ground Elevation: 768'

Depth Driller: 1,125'

Depth Logger: 1,126'

Surface Casing: 8 5/8" @ 35'

Production Casing: 4 1/2" @ 1,122'

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)

Quaternary Alluvium.....Surface

Lenapah Lime.....286

Altamont Lime.....328

Pawnee Lime.....490

Anna Shale.....519

First Oswego Lime.....572

Little Osage Shale.....609

Excello Shale.....636

Mulky Coal.....640

Iron Post Coal.....664

"V" Shale.....687

Croweburg Coal.....688

Mineral Coal.....727

Tebo Coal.....791

Weir Pitt Coal.....799

Bluejacket Coal.....846

AW Coal.....959

Riverton Coal.....1,010

Mississippian.....1,027

MORNING COMPLETION REPORT

Report Called In by: JES

Report taken by:

KRD

LEASE NAME & # Heckman 5-33	AFES	DATE 8/8/2005	DAYS 1	CIBP DEPTH TYPE	PBYD TYPE FLUID
PRESENT OPERATION: DRILL OUT FROM UNDER SURFACE					WT VIS
DEEPEST CASING OD SHOES DEPTH	LINERS OD TOP & SHOE DEPTH 8 5/8" 24# J-85 -- Set 20'	REPAIR DOWN TIME HRS	CONTRACTOR MOKAT RIG NO BILLY		
PACKER OR ANCHOR	PISHING 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, 35' DEEP, RIH W/ 2 JT 8 5/8" SURFACE CASING.				
	MIXED 40 SXS TYPE 1 CEMENT, DUMPED ON THE BACKSIDE, SOFN.				
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DAILY COST ANALYSIS

RIG	_____
SUPERVISION	200
RENTALS	_____
SERVICES	2400
MISC	2360

DETAILS OF RENTALS, SERVICES, & MISC

MOKAT DRILLING @ 6.50/R	
MOKAT (CEMENT)	180
DIRTWORKS (LOC, RD, PIT)	400
SURFACE CASING	400
LAND/ LEGAL	2000
CONSOLIDATED	1800

DAILY TOTALS 4960 PREVIOUS TCTD TCTD 4980

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

CKET NUMBER 5209
 LOCATION Eureka
 FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-12-05	4158	Heckman 5-33				Montgomery
CUSTOMER <u>Layne Energy</u>			Gus Jones			
MAILING ADDRESS <u>P.O. Box 160</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY <u>Sycamore</u> STATE <u>Ks.</u> ZIP CODE			445	Rick		
			440	Anthony		

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1125' CASING SIZE & WEIGHT 4 1/2" - 10.5 lb.
 CASING DEPTH 1122' DRILL PIPE PBTD 1111' OTHER _____
 SLURRY WEIGHT 13.2 lb. SLURRY VOL 39 Bbl. WATER gal/sk 8.0 CEMENT LEFT in CASING 11'
 DISPLACEMENT 17 1/2 Bbls. DISPLACEMENT PSI 500 ~~900~~ PSI 900 Landed Plug RATE 4 BPM - 2 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Break circulation with 20 Bbls water. Pumped 10 Bbls Gel, followed with 10 Bbl water spacer, 10 Bbl Metasilicate, 10 Bbl Dyc water.
Mixed 125 sks Thick Set cement w/ 10* PPSK of K01-SEAL at 13.2 lb. P/GAL.
Shutdown - washout pump lines - Release Plug - Displace Plug with 17 1/2 Bbls water.
Final pumping at 500 PSI - Bumped Plug to 1000 PSI wait 2 minutes - Release Pressure -
Float Hold - close casing in w/ 0 PSI Good cement returns to surface with 8 Bbl slurry
Job complete - Teardown

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"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCTS	CONSERVATION DIVISION PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	25	MILEAGE	2.50	62.50
1126A	125 SKS	Thick Set cement	13.00	1625.00
1110A	25 SKS	K01-SEAL 10* PPSK	16.90	422.50
1111A	50 lbs	Metasilicate - PreFlush	1.55 lb.	77.50
1118A	4 SKS	Gel Flush	6.63	26.52
5407A	6.88	Tow 25 miles - Bulk Truck	.92	158.24
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
			5.3%	SALES TAX
				ESTIMATED TOTAL
				118.59
				364.85

AUTHORIZATION Called by John Ed

TITLE MAN

DATE

198921