

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365
 Name: Layne Energy Operating, LLC
 Address: 1900 Shawnee Mission Parkway
 City/State/Zip: Mission Woods, KS 66205
 Purchaser: _____
 Operator Contact Person: Victor H. Dyal
 Phone: (913) 748-3987
 Contractor: Name: Thornton Air Rotary
 License: 33606
 Wellsite Geologist: _____
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW 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. _____

2/7/2006	2/8/2006	2/22/2006
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 125-30938-00-00
 County: Montgomery
 _____ SW SW Sec. 33 Twp. 31 S. R. 16 East West
677 feet from N (circle one) Line of Section
766 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 #: 13-33
 Field Name: Neodesha
 Producing Formation: Cherokee Coals
 Elevation: Ground: 767' Kelly Bushing: _____
 Total Depth: 1125' Plug Back Total Depth: 1113'
 Amount of Surface Pipe Set and Cemented at 55' Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 1120'
 feet depth to Surface w/ 120 sx cmt.
ATZ-Dig - 11/4/08
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.: _____

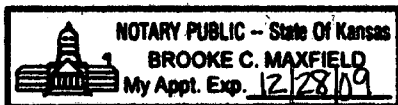
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: [Signature]
 Title: Agent Date: 5/23/06
 Subscribed and sworn to before me this 23rd day of May
 20 06
 Notary Public: [Signature]
 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



Operator Name: Rayne Energy Operating, LLC Lease Name: Heckman Well #: 13-33
 Sec. 33 Twp. 31 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 <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="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th style="width:15%;">Top</th> <th style="width:15%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Pawnee Lime</td> <td>492 GL</td> <td>275</td> </tr> <tr> <td>Excello Shale</td> <td>625 GL</td> <td>142</td> </tr> <tr> <td>V Shale</td> <td>674 GL</td> <td>93</td> </tr> <tr> <td>Mineral Coal</td> <td>716 GL</td> <td>51</td> </tr> <tr> <td>Mississippian</td> <td>1025 GL</td> <td>-258</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee Lime	492 GL	275	Excello Shale	625 GL	142	V Shale	674 GL	93	Mineral Coal	716 GL	51	Mississippian	1025 GL	-258
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Mississippian	1025 GL	-258																	

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	# Sacs Used	Type and Percent Additives
Surface	11	8.65	24	55'	Class A	75	Type 1 cement
Casing	6.75	4.5	10.5	1120'	Thick Set	120	

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)
	See Attached	

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TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	1005'		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
3/29/2006		<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	0	15	65	

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

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Heckman 13-33		
	Sec. 33 Twp. 31S Rng. 16E, Montgomery County		
API:	15-125-30938		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	958-960, 847-849, 716-717.5	Rowe, Bluejacket, Mineral-ATP 781, 15 min 492, 3200# 20/40 sand, 1000 gal 15% HCl acid, 329 bbls wtr	716-960
4	674.5-678, 651.5-653, 624-630.5, 597.5-600.5	Croweberg, Ironpost, Mulky, Summit-ATP 972, 15 min 396, 6600# 20/40 sand, 2500 gal 15% HCl, 589 bbls wtr	597.5-678

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MORNING COMPLETION REPORT

Report Called in by: : JES _____

Report taken by: KRD _____

LEASE NAME & #		AFE#	DATE	DAYS	CIBP	PBYD
Heckman 13-33		C01015900200	2/7/2006	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 MOKAT		
OD SHOE DEPTH	8 5/8" 24# J-55 — Set 20'	TEST PERFS		RIG NO BILLY		
PACKER OR ANCHOR	FISHING TOOLS	OD	ID	SQUEEZED OR PLUG BACK PERFS		
				TO	TO	
				TO	TO	
				TO	TO	
				TO	TO	
HRS	BRIEF DESCRIPTION OF OPERATION					
	MIRU THORNTON ROTARY DRILLING, DRILLED 11" HOLE, 55' DEEP, RIH W/ 3 JTS 8 5/8" SURFACE CASING,					
	MIRU CONSOLIDATED, RIG UP TO CASING. BREAK CIRC W/10 BBL FRESH WATER. WASH DOWN 6' CASING. MIXED					
	75 SKS REGULAR CEMENT W/ 3% CACLZ, 1/3# FLOCELE PER SK @14.8# PER GALLON, YIELD 1.18. DISPLACE					
	WITH 2.5 BBL FRESH WATER. SHUT CASING IN. GOOD CEMENT RETURNS TO SURFACE. RDMOL.					

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DAILY COST ANALYSIS

RIG	_____
SUPERVISION	200
RENTALS	_____
SERVICES	2400
MISC	2923

DETAILS OF RENTALS, SERVICES, & MISC

THORNTON DRILLING @ 6.50/ft	
THORNTON (CEMENT)	
DIRTWORKS (LOC,RD, PIT)	400
SURFACE CASING	600
LAND/ LEGAL	2000
CONSOLIDATED	2323

DAILY TOTALS 5523 **PREVIOUS TCTD** **TCTD** 5523

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

TICKET NUMBER 08320
 LOCATION EUREKA
 FOREMAN Kevin McCoy

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-9-06	4758	HECKMAN 13-33				MG
CUSTOMER <u>Layne Energy</u>			Gus Jones Rig 2			
MAILING ADDRESS <u>P.O. Box 160</u>						
CITY <u>Sycamore</u>		STATE <u>Ks</u>	ZIP CODE			

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Rick L.		
441	Justin		
452 T-63	Jim		

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1125' CASING SIZE & WEIGHT 4 1/2 10.5" new
 CASING DEPTH 1120' DRILL PIPE _____ TUBING _____ OTHER PBTD 1113
 SLURRY WEIGHT 13.2* SLURRY VOL 38 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 7'
 DISPLACEMENT 17.7 BBL DISPLACEMENT PSI 500 PSI 1000 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 20 BBL Fresh water. Pump 4 sks Gel flush, 5 BBL water spacer, 10 BBL metasilicate Pre flush, 10 BBL dye water. Mixed 120 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/ 17.7 BBL fresh water. final pumping Pressure 500 psi. Bump Plug to 1000 psi. wait 2 minutes. Release Pressure. Float Held. Good Cement Returns to Surface = 8 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	0	MILEAGE <u>2nd well of 2</u>	0	0
1126 A	120 SKS	Thick Set Cement	13.65	1638.00
1110 A	24 SKS	KOL-SEAL 10* per/sk	17.75	426.00
1118 A	4 SKS	Gel flush	7.00	28.00
1111 A	50 *	metasilicate Pre flush	1.65*	82.50
5407 A	6.6 TONS	40 miles BULK TRUCK	1.05	277.20
5501 C	3 HRS	water TRANSPORT	98.00	294.00
1123	5000 gals	City water	12.80 ^{per 1000}	64.00
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
5605 A	4 HRS	welder	78.00	312.00
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			Sub Total	3961.70
			SALES TAX	120.75
			ESTIMATED TOTAL	4082.45

Thank you 5.3%
 202997

AUTHORIZATION Called By John Ed TITLE _____ DATE _____

GEOLOGIC REPORT

LAYNE ENERGY
Heckman 13-33
SW SW, 677 FSL, 766 FWL
Section 33-T31S-R16E
Montgomery County, KS

Spud Date: 2/7/2006
Drilling Completed: 2/8/2006
Logged: 2/8/2006
A.P.I. #: 15-125-30938
Ground Elevation: 767'
Depth Driller: 1125'
Depth Logger: 1125'
Surface Casing: 8.625 inches at 54'
Production Casing: 4.5 inches at 1120'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

Formation	Tops (in feet below ground level)
Quaternary	Surface (Alluvium)
Pawnee Limestone	492
Excello Shale	625
"V" Shale	674
Mineral Coal	716
Mississippian	1,025

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