

ORIGINAL

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

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. Abd.  
 Gas \_\_\_\_ ENHR \_\_\_\_ SIGW  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: LAYNE ENERGY OPERATING LLC  
Well Name: CASEY 6-20

Original Comp. Date: 6-7-2005 Original Total Depth: 1153  
\_\_\_\_ 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. \_\_\_\_\_

5/23/2006 5/25/2006  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 125-30753 -00-00  
County: Montgomery  
NE SE SE NW Sec. 20 Twp. 32 S. R. 16  East  West  
2262 feet from S (N) (circle one) Line of Section  
2573 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Casey Well #: 6-20  
Field Name: Brewster

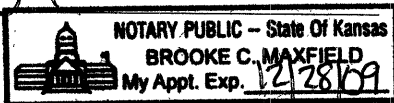
Producing Formation: Cherokee Coals  
Elevation: Ground: 757 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1153 Plug Back Total Depth: 1141  
Amount of Surface Pipe Set and Cemented at 20' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1149  
feet depth to Surface w/ 135 sx cmt.

Drilling Fluid Management Plan ALT II WITHM  
(Data must be collected from the Reserve Pit) 3-7-07  
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 Natrass  
Title: Agent Date: 10/17/06  
Subscribed and sworn to before me this 17 day of October  
2006  
Notary Public: Brooke C. Maxfield  
Date Commission Expires: 12/28/09



**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  No Date: 10-18-06  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**OCT 18 2006**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Casey Well #: 6-20  
 Sec. 20 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 <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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"><input checked="" type="checkbox"/> Log</td> <td style="width:60%;">Formation (Top), Depth and Datum</td> <td style="width:30%;">Sample</td> </tr> <tr> <td></td> <td>Name</td> <td>Top Datum</td> </tr> <tr> <td></td> <td>Pawnee Lime</td> <td>492 265</td> </tr> <tr> <td></td> <td>Excello Shale</td> <td>652 105</td> </tr> <tr> <td></td> <td>V Shale</td> <td>701 56</td> </tr> <tr> <td></td> <td>Mineral Coal</td> <td>740 17</td> </tr> <tr> <td></td> <td>Mississippian</td> <td>1062 -305</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample		Name	Top Datum		Pawnee Lime	492 265		Excello Shale	652 105		V Shale	701 56		Mineral Coal	740 17		Mississippian	1062 -305
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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	# 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	1149'	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>
	See attached	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		2 3/8"	1095'			
Date of First, Resumed Production, SWD or Enhr.			Producing Method			
5/25/2006			Flowing <input type="checkbox"/>	Pumping <input checked="" type="checkbox"/>	Gas Lift <input type="checkbox"/>	Other (Explain) <input type="checkbox"/>
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	0	0	27			

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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**CONSERVATION DIVISION**  
**WICHITA, KS**

**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** Casey 6-20  
 Sec. 20 Twp. 32S Rng. 16E, Montgomery County  
**API:** 15-125-30753

Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
		<b>Original Perforations</b>	
4		Riverton, Rowe, Mineral - 1,520gal 15% HCL + 520 bbls water + 1,200# 20/40 Sand; Avg treating 2009#, ISIP 1955#, 15 min SI 837#	739.5-1058
	1055-1058, 975.5-977, 739.5-741		
4		Croweburg, Ironpost, Mulky, Summit - 1,925 gal 15% HCL + 476 bbls water + 5,100# 20/40 Sand; Avg treating 1408#, ISIP 479#, 15 min SI 439#	624-704
	702-704, 674.5-676, 652-656.5, 624-627		
		<b>New Perforations</b>	
4	1065-1069	Mississippi-ATP 1400 psi, ISIP 643, 5 min 269	1065-1069
4		Mineral-ATP 2300, ISIP 466, 5 min 420, 1,900 #	
	739.5-741	20/40 sand, 400 gal hcl 15% acid, 182 bbls water	739.5-741
4		Croweburg-ATP 1729, ISIP 412, 5 min 390, 2,500#	
	702-704	20/40 sand, 500 gal hcl 15% acid, 332 bbls water	702-704

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