

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: Victor H. Dyal  
Phone: (913) 748-3987  
Contractor: Name: Layne Christensen Canada, Ltd.  
License: 32999

KCC

MAY 05 2005

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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: Hinthorn 6-14  
Original Comp. Date: 6/19/2003 Original Total Depth: 1165  
 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. \_\_\_\_\_

1-4-05 4/10/03 4/12/03 1/4/2005  
Spud Date or 4/10/03 Date Reached TD 4/12/03 Completion Date or 1/4/2005  
Recompletion Date \_\_\_\_\_

API No. 15 - 125-30243 - 00 - 01  
County: Montgomery  
SE NW Sec. 14 Twp. 32 S. R. 16  East  West  
1694 feet from S / (N) (circle one) Line of Section  
1680 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Hinthorn Well #: 6-14  
Field Name: Brewster  
Producing Formation: Cherokee Coals  
Elevation: Ground: 827 Kelly Bushing: 830  
Total Depth: 1165 Plug Back Total Depth: 1111  
Amount of Surface Pipe Set and Cemented at 42 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1156  
feet depth to Surface w/ 155 sx cmt.

Drilling Fluid Management Plan W H W 6-27-07  
(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.: MAY 06 2005  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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KANSAS CORPORATION COMMISSION  
MAY 06 2005  
CONSERVATION DIVISION  
WICHITA, KS

**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: Victor H. Dyal  
Title: Agent Date: 05/5/2005  
Subscribed and sworn to before me this 5<sup>th</sup> day of May,  
20 05.  
Notary Public: Margaret Allen  
Date Commission Expires: 10/14/2008

**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 10/14/2008

CONFIDENTIAL

Slide Two

KCC

ORIGINAL

MAY 05 2005

Operator Name: Layne Energy Operating, LLC

Lease Name: Hinthorn

Well #: 6-14

Sec. 14 Twp. 32 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

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Pawnee Lime	505 KB	325
Excello Shale	656 KB	174
V Shale	706 KB	124
Riverton Coal	1080 KB	-250
Mississippian	1091 KB	-261

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 1/4	8.65	23	42	Portland	25	Cacl2 3%
Casing	7 7/8	5.5	15.5	1164	Thixotropic + Gisonite	155	

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 7/8	1062.95		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
1/26/2005	<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	12		

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

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

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WICHITA, KS

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ORIGINAL

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Hinthorn 6-14		
	Sec. 14 Twp. 32S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-30243		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1077.5-1080.5 Original Completion	Riverton - 1000g 15% HCL, 116mcf n2, 168B Gel Water, 11200# 16/30 Sand	1077.5-1080.5
4	800-802, 743-744, 707.5-708.5 Recomplete	Tebo, Mineral, Croweberg - 1,0000gal 15% HCL+ 405bbbls Water+ 1,680# 20/40 sand	707.5-802
4	682-683.5, 654-659, 627-630 Recomplete	Iron Post, Mulky, Summit - 2,000gal 15% HCL+ 455bbbls Water+ 2,047# 20/40 sand	627-683.5

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