

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

7-24-02
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Form ACO-1
September 1999
Form Must Be Typed

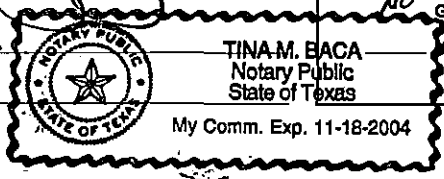
Operator: License # 30204
 Name: H&L Operating Co., L.L.P.
 Address: P.O. Box 7506
 City/State/Zip: Amarillo, Texas 79114-7506
 Purchaser: _____
 Operator Contact Person: Ronald P. Moon
 Phone: (806) 353-4331
 Contractor: Name: Service Drilling Co.
 License: 03363
 Wellsite Geologist: Paul F. Godowic
 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: H&L Operating Co., L.L.P.
 Well Name: Adams Ranch No. 1-16
 Original Comp. Date: 04/03/91 Original Total Depth: 6470
 _____ 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. _____
 _____ Spud Date or _____ 02/24/91 _____ 07/08/02
 _____ Recompletion Date _____ Date Reached TD _____ Completion Date or
 _____ _____ _____ Recompletion Date

API No. 15 - 119-20826-0002
 County: Meade
SE SE SE Sec. 16 Twp. 35 S. R. 30 East West
330 feet from (S) / N (circle one) Line of Section
330 feet from (E) / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE (SE) NW SW
 Lease Name: Adams Ranch Well #: 1-16
 Field Name: _____
 Producing Formation: Council Grove
 Elevation: Ground: 2405 Kelly Bushing: 2411
 Total Depth: 6470 Plug Back Total Depth: 5000'
 Amount of Surface Pipe Set and Cemented at 1464 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.
 Drilling Fluid Management Plan WATER EN 8-8-02
 (Data must be collected from the Reserve Pit)
 Chloride content _____ ppm Fluid volume _____ bbls
 Dewatering method used _____
 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: Ronald P. Moon
 Title: PARTNER Date: 7/15/02
 Subscribed and sworn to before me this 15th day of July
2002
 Notary Public: Tina M. Baca
 Date Commission Expires: 11/18/2004



KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 IIC Distribution

Operator Name: H&L Operating Co., L.L.P. Lease Name: Adams Ranch Well #: 1-16
 Sec. 16 Twp. 35 S. R. 30 East West County: Meade

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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes No	✓ Log Formation (Top), Depth and Datum Name Top Datum Wolfcamp 2408 (+3) Council Grove 2841 (-430) Heebner 4211 (-1800) Kansas City 4494 (-2083) Morrow 5659 (-3248) Chester 5791 (-3480) St. Gen. 6053 (-3642) St. Louis 6114 (-3703) Spergen 6315 (-3904)
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes No	
Cores Taken	Yes No	
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes No	
List All E. Logs Run:		

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CASING RECORD							
New				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	12 1/4	8-5/8	23	1464	Class C	620	2%CaCl
production	7 7/8	4 1/2	11.6	6449	Class C	350	5%Kcl

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	2777	Class H	100	2% C.C.
<input type="checkbox"/> Protect Casing				
<input checked="" type="checkbox"/> Plug Back TD	3132	HLC	60	2% C.C.
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
	CIBP @ 5000'	squeeze w/60sx HLC	3132
4	2917'-2922' (council grove)	squeeze w/ 100sx H	2777

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	2882		Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
			<input checked="" type="checkbox"/> Flowing <input 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	773	3	-	-

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify) _____

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DST INFORMATION:

ATTACHMENT

ADAMS RANCH 1-16

DST RAN

22 FEBRUARY 1991

DST #1 LANSING - 4366'-4380', 30"-60"-60"-120" REC 300' gassy, oily, muddy saltwater, 960' muddy SW with 2880' gas in D.P. IH 2162, 30" IF 166# to 366# 60" ICIP 1363#, 60" FF 349# to 618#, 120" FCIP 1380#, FH 2097#, DST #2 Upper Morrow 5662' to 5720' Rec 6' cond., gas to surface in 3", IH 2654, 30" IF 1752 to 1797, 60" ICIP 1825#, 30" FF 1752# to 1781#, 120" FCIP 1825#, FH 2634, 1st flow 9000 M/D, 2nd flow 9700 M/D