

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 5114  
Name National Development Company  
Address 310 W. Central, Suite 117  
City/State/Zip Wichita, KS 67202

Purchaser Clear Creek

Operator Contact Person Ralph Hamilton  
Phone 316 267-1331

Contractor: License # 5929  
Name Duke Drilling Company, Inc.

Wellsite Geologist Beth Fuhr  
Phone 316-263-2243

Designate Type of Completion

- X New Well Re-Entry Workover
- X Oil SWD Temp Abd
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply etc.)

If OWO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

- X Mud Rotary Air Rotary Cable

8-13-88 8-21-88 9-1-88  
Spud Date Date Reached TD Completion Date

4510'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 263 feet  
Multiple Stage Cementing Collar Used? Yes No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt  
Cement Company Name  
Invoice #

API NO. 15- 151 21,895 - 00-00  
County Pratt  
SE NW NW 8 27 11 East  
Sec Twp Rge X West

4290 Ft North from Southeast Corner of Section  
4290 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

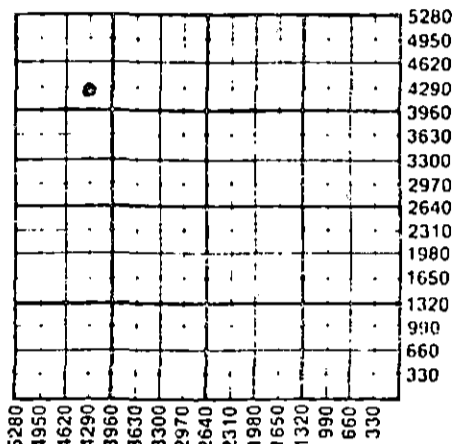
Lease Name Shanline Well # 1

Field Name New Pool Haynesville, SW

Producing Formation Lansing - Hertha Zone

Elevation: Ground 1824 KB 1829

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Drilled water well 188-424  
Division of Water Resources Permit #

X Groundwater 4290 Ft North from Southeast Corner  
(Well) 4290 Ft West from Southeast Corner of  
Sec 8 Twp 27 Rge 11 East X West

Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West

Other (explain)  
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply.

Information on 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 drillers time log shall be attached with this form. 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 Beth A. Fuhr

Title GEOLOGIST Date 11-15-88

Subscribed and sworn to before me this 15 day of November

1988 Notary Public Patricia C. Byerlee

Date Commission Expires 12/11/88

K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Drillers Timelog Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other (Specify)  
11-17-88

Operator Name ..... National Development Company ..... Lease Name..... Shanline ..... Well #..... 1

Sec..... 8 ..... Twp..... 27 ..... Rge..... 11 .....  East  West ..... County..... Pratt

RELEASED

MAR 07 1990

WELL LOG

FROM CONFIDENTIAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST #1 3900-3930  
 30"-45"-60"-60"  
 Recovered: 1600' GIP  
 72' OCM (20% oil, 45% gas)

IFP 33-33# FFP 44-44#  
 ISIP 680# FSIP 810#  
 HYD 1936-1936# TEMP 118°

Name	Top	Bottom
Heebner	3457	
Brown Lime	3636	
Lansing	3652	4005
Base KC	4005	
Mississippi	4093	4218
Viola	4307	4410
Simpson Shale	4410	
Arbuckle	4492	

DST #2 3935-3960

30"-60"-75"-60"

Recovered: GTS/5"  
 Stabilized 50,000 CFGPD/45"  
 20' HOCM, 954' Clean Oil, 2' water,

IFP 99-110# FFP 132-231#  
 ISIP 1200# FSIP 1100#  
 HYD 1947-1925#

CASING RECORD <input type="checkbox"/> New <input checked="" 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	14 3/4"	10 3/4"	28#	263	60/40 Poz	175	2% gel, 3% C.C.
Production	7 7/8"	5 1/2"	14#	4164'	Surefill	125	300 Gal. Mud Flush
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	10 (3945-3955)			1000 gal. 7 1/2% mud acid & 2000 gal. KCL water		3945-55	
				3000 gal. 20% retarded acid w/ 10,000 gal. Gelled spacer			
TUBING RECORD		Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
130 jts.		2 7/8	4082 GL				
Date of First Production		Producing Method					
3 Sept 1988		<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	Gas	Water	Gas-Oil Ratio	Gravity	
➔		50 Bbls	5 MCF	20 Bbls	CFPB	36°	

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  Commingled

3945 - 3955