

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 # 5293
Name Helmerich & Payne, Inc.
Address P.O. Box 558
City/State/Zip Garden City, Kansas 67846

Purchaser Koch Industries

Operator Contact Person Millard Lindsay
Phone 316-276-3693

Contractor: License # 5302
Name Red Tiger

Wellsite Geologist Alan Downing
Phone 913-625-3550, Hays, Kansas

Designate Type of Completion

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

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:

- Mud Rotary Air Rotary Cable State Test

8-13-85 8-23-85 11-19-85
Spud Date Date Reached TD Completion Date
4580 4563
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 258 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated from 2139 feet depth to Surf w/500 SX cmt

API NO. 15-0-22895-0000
County Ness
C NW NE Sec 18 Twp 16S Rge 26 East West

4620 Ft North from Southeast Corner of Section
1980 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

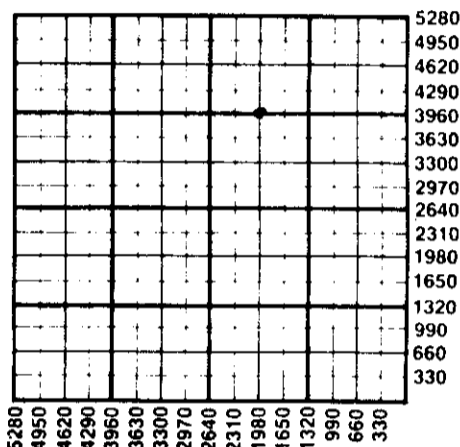
Lease Name Norton Well # 2-18

Field Name Prairie Ridge

Producing Formation Lansing, I.

Elevation: Ground 2649 KB 2654

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater...Ft North from Southeast Corner (Well) ...Ft West from Southeast Corner of Sec Twp Rge East West

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

Other (explain) Hauled by private contractor (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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 Ken G...
Title District Production Engineer Date 11-25-85

Subscribed and sworn to before me this 25th day of November 1985.
Notary Public Betty J. P...

Date Commission Expires August 8, 1986

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

NOV 26 1985
11-26-85
KANSAS CORPORATION COMMISSION
WICHITA, KANSAS

SIDE TWO

Operator Name Helmerich & Payne, Inc. Lease Name Norton Well # 2-18

Sec. 18 Twp. 16^S Rge. 26 East West County Ness

WELL LOG

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

DST#1 4145-4169 Lansing I
 30-60-60-120
 IHP-2142 FHP-2101
 IFP-41 to 51 FFP- 51to51
 ISIP - 565 FSIP - 565
 Rec: 30' GOCM, 35' GSOCM, 560' gas

DST#2 4527-4550 Miss
 30-60-60-120
 ISIP-1185 Misrum
 Rec 120' Drly Mud

DST#3 4460-4550 Miss
 30-60-60-120
 IHP-2297 FHP-2256
 IFP-92 to 92 FFP- 92 to 92
 ISIP- 833 FSIP - 802
 Rec 10' drly mud.

Formation Description		
Name	Top	Bottom
Topeka	3636	
Heebner	3882	
Toronto	3903	
Lansing A	3921	
Lansing D	4006	
Lansing H	4113	
Lansing I	4151	
KC A	4178	
Marmaton Unc.	4270	
Pawnee	4374	
Ft. Scott	4435	
Cherokee	4460	
Miss	4532	
Miss(Osage)	4546	
DTD	4580	
LTD	4582	

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 1/2	8 5/8	23	258	60/40poz	165	2%gel, 3%CaCl ₂
Long String	7 7/8	4 1/2	10.5	4579	Expanding Howcolite Class A	180 450 50	0.75% C-322 1/4#/sk floccle

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	4536-39 4541-45 4554-58	500 gal 15% MCA	
2	" " " " " "	1500 gal MOD 202	
1	4151-4161	750 gals 15% MCA	
1	" "	1500 gals 15% NE	

TUBING RECORD	Size 2 3/8	Set At 4221	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production 9-17-85	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....
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Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
6 Bbls		0 MCF	25 Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) Used on Lease
 NONE Dually Completed Commingled

Lans I

 4151-4161
