

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 # 04782
Name Ensign Operating Co.
Address 621 17th St., Suite 1800
City/State/Zip Denver, CO 80293

Purchaser.....

Operator Contact Person L. T. Hartnett
Phone 303-293-9999

Contractor: License # 5107
Name H-30, Inc.

Wellsite Geologist Duane Moredock
Phone (303) 298-9226

Designate Type of Completion
 New Well Re-Entry Workover

 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)
If OWWQ: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:
 Mid Rotary Air Rotary Cable
10/05/89 10/18/89 10/20/89
Spud Date Date Reached TD Completion Date
6350'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1560 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. 15-119-20,797-00-00
County Meade
SW SE NW FROM CONFIDENTIAL East
Sec 17 Twp 34S Rge 28 X West

2970 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

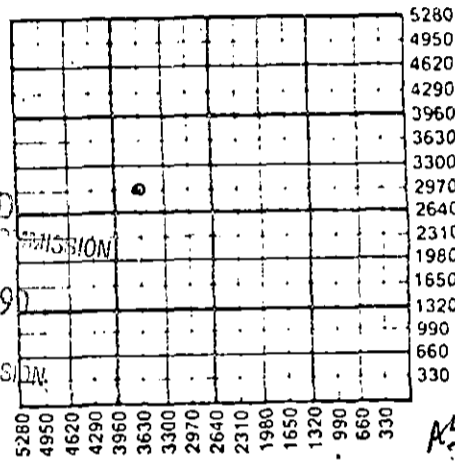
Lease Name Ross Well # 1-17

Field Name None

Producing Formation None

Elevation: Ground 2466' KB 2477'

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:
Division of Water Resources Permit # T89-450

Groundwater 2970 Ft North from Southeast Corner
(Well) 3630 Ft West from Southeast Corner of
Sec 17 Twp 34S Rge 28 East X West

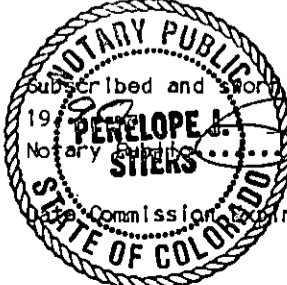
Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West

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

INSTRUCTIONS: This form shall be completed in 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 L. T. Hartnett
Title Manager, Operations Date JAN 22 1990 1/11/90



KANSAS GEOLOGICAL SURVEY

WICHITA BRANCH

My Commission expires October 21, 1991

621 17th St. Suite 1800
Denver, Colorado 80293

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)

SIDE TWO

Operator Name Ensign Operating Co. Lease Name Ross Well # 1-17

Sec. 17 Twp. 34S Rge. 28 East West County Meade

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

Formation Description
 Log Sample

DST #1: 4417-71' Misrun
 DST #2: 4846-4909', Misrun. Recovered 680' GCM, bottom fairly heavy gas cut.
 DST #3: 4860-4909', Misrun - no packer seat.
 DST #4: 4879-4909', Misrun - strong blow immediately to btm of bucket, slowly losing mud. Lost packer seat in 2 min. Tried to reset twice - would not hold. Recovered 1240' gassy mud. HP 2263-2253.

Name	Top	Bottom
Red Bed	0	2,300'
Shale	2,300'	2,580'
Lime and Shale	2,580'	3,095'
Shale	3,095'	3,360'
Lime and Shale	3,360'	6,350'
Rotary Total Depth		6,350'

Sample Tops Cont'd:

Towanda	2801'	Morrow	5790'
Wreford	2988'	Morrow SS	5838'
Council Grove	3102'	Base SS	5873'
Wabaunsee	3629'	Chester	
Heebner	4424'	Sh Marker	6008'
Toronto	4438'	Basal Chester	
Lansing KC	4572'	SS	6210'
Marmaton	5264'	LTD	6346'
Cherokee	5459'		
Atoka	5609'		

Sample Tops:

Hutchinson Salt	1985'
Chase Herington	2665'
Krider	2698'
Winfield	2754'

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	12-1/4"	8-5/8"	24#	1560'	Lite	500	2% cc 1/4# Floseal
					Class A	100	2% cc 1/4# Floseal
					Class A	100	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method						
	<input type="checkbox"/> Flowing <input 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		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

Daily Completed
 Commingled