

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

API NO. 15-.....175-20,985-0000.....
County.....Seward.....
SW. NE. NE. Sec. 26 Twp. 31S Rge. 32 East
..... West

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

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

Purchaser Northern Natural

Lease Name Feiertag Well # 1-26

Operator Contact Person Mr. Larry Hartnett
Phone 303-293-9999

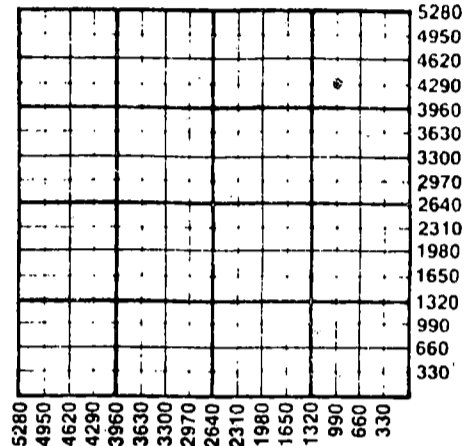
Field Name Thirty-one SW
Producing Formation Morrow

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

Elevation: Ground 2840' KB 2851'

Wellsite Geologist Duane Moredock
Phone (303) 629-7204

Section Plat



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

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
11-5-87 11-15-87 12-03-87
Spud Date Date Reached TD Completion Date
5,900' 5,558'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1744 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 #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # T87-484
 Groundwater 4290 Ft North from Southeast Corner
(Well) 990 Ft West from Southeast Corner of
Sec 26 Twp 31S Rge 32 East 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. #)
12-14-87

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 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 [Signature]
Title Manager, Operations Date 12/09/87

Subscribed and sworn to before me this 27 day of December 1987
Notary Public [Signature]
Date Commission Expires Oct 20 1991



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)

Sec 26 Twp 31 Rge 32 E

Operator Name Ensign Operating Co. Lease Name..... Feiertag Well #..... 1-26

Sec..... 26 Twp. 31S Rge. 32 East West County..... Seward

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
DST #1, 5630-5470' Atoka			Name
30-60-60-120			Top
I.O. 1/2" to bottom of bucket in 11 minutes.			Bottom
F.O. Strong blow - bottom of bucket			Sand and Red Bed
Recovery: 1300' Gas in drill pipe.			Red Bed and Anhydrite
65' Gassy slightly oil cut mud.			Sand and Anhydrite
Grind Out: 5% gas, 5% oil, 90% mud.			Shale and Anhydrite
HP 2793-2609 SIP 775-1073			Sand and Red Bed
FP 133-111, 111-111 BHT 124° F			Anhydrite
			Shale and Anhydrite
			Shale and Lime
			Lime and Shale
			Rotary Total Depth
DST #2, 5460-5570' Morrow			Herrington
30-60-60-120			Topeka
I.O. Gas to surface in 2 minutes.			Heebner
Recovery: 285' gas cut mud with oil specks in tool.			Lansing
HP 2722-2583 SIP 1780-1791			Marmaton
FP 550-569, 334-354 BHT 134° F			Atoka
			Morrow
			Chester
			Ste. Gen.

CASING RECORD New Used St. Louis 5,757'

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#	1744'	15-85 Poz Class A	400	8% gel 2% cc
Production	7-7/8"	4-1/2"	10.5#	5609'	Class H	325	3% gel 2% CBL .7% LS 322

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5501-5505'	None	
	5508-5518'		

TUBING RECORD Size 2-3/8" Set At 5518' Packer at N/A Liner Run Yes No

Date of First Production Waiting on pipeline hookup. Producing Method Flowing Pumping Gas Lift Other (explain) **RELEASED** JAN 11 1989

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	0 Bbls	817 MCF	0 Bbls	--	CFPB --

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) 5501-5505' 5508-5518' Dually Completed Commingled