

SIDE ONE

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

Operator: License # 04782

Name: Ensign Operating Co.

Address 621 17th St., Suite 1800

Denver, Colorado 30293

City/State/Zip _____

Purchaser: Northern Natural Gas Co.

Operator Contact Person: L. T. Harnett

Phone (303) 293-9999

Contractor: Name: H-30 Drilling Inc.

License: 5107

Wellsite Geologist: Duane E. Moredock

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

6/25/90 7/7/90 7/25/90

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21,140-00-00

County Seward

NW SW NE Sec. 31 Twp. 34S Rge. 33 X East West

3435' Ft. North from Southeast Corner of Section

2345' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

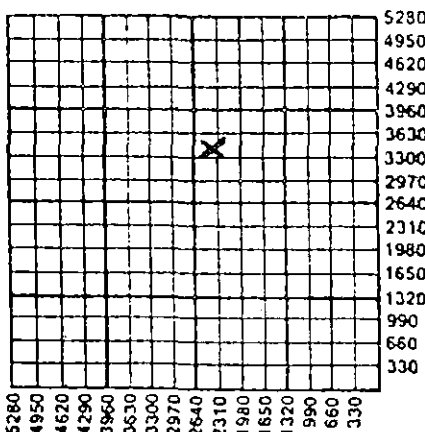
Lease Name Liberal Well # 1-31

Field Name Wildcat

Producing Formation Pennsylvanian Morrow

Elevation: Ground 2852' KB 2874'

Total Depth 6944' PBDT 5450'



Amount of Surface Pipe Set and Cemented at 1673' 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 ft.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-1 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Production Operations Mgr. Date: 9/18/90

Subscribed and sworn to before me this 18th day of SEPTEMBER, 19 90.

Notary Public [Signature]

Date Commission Expires 5-29-91

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)

PI