

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 # 4782
Name Ensign Operating Co.
Address 621 17th Street, Suite 1140
Denver, CO 80293
City/State/Zip

Purchaser Northern Natural Gas Company

Operator Contact Person Lawrence T. Hartnett
Phone (303) 293-9999

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist None
Phone

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

1/15/87 1/19/87 2/04/87
Spud Date Date Reached TD Completion Date

2799'
Total Depth PBDT
10-3/4" @662'

Amount of Surface Pipe Set and Cemented at...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. 15-189-20-978-00-00
County Stevens
C E/2 SW/4 29 33S 36 East
Sec Twp Rge XX West

1320 Ft North from Southeast Corner of Section
3490 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

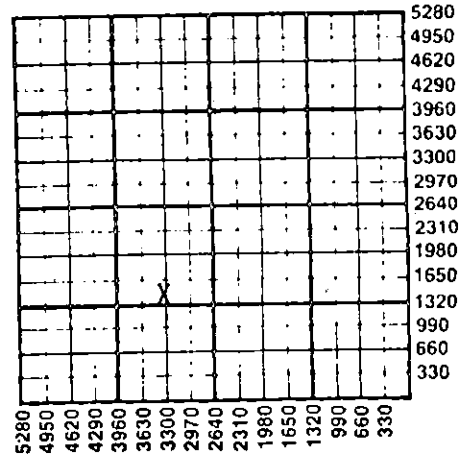
Lease Name Carpenter Well # 29-2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3084' 3093' KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # CD-3772 Repressuring

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
(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 Lawrence T. Hartnett
Title Manager, Operations Date 3/10/87

Subscribed and sworn to before me this 10th day of March 1987
Notary Public

Date Commission Expires 9/12/90

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
STATE CORPORATION COMMISSION (Specify)
MAY 16 1987

3-10-87

Section 29, Twp 33, Rge 36 East

SIDE TWO

Operator Name Ensign Operating Co. Lease Name Carpenter Well # 29-2

Sec. 29 Twp. 33S Rge. 36 East West County Stevens

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

Name	Top	Bottom
Blaine Group	1096'	+1997
Flowerpot Shale	1167'	+1926
Glorietta	1224'	+1869
Stone Corral	1708'	+1385
Ninnescah	1776	+1317
Wellington	2270'	+ 823
Chase Herrington	2643'	+ 450
Paddock Shale	2666'	+ 427
Upper Krider	2677'	+ 416
Lower Krider	2704'	+ 389
Odell Shale	2746'	+ 347
Winfield	2760'	+ 333
Gage Shale	2794'	+ 299
T.D.	2799'	

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 Production	14-3/4" 9-1/2"	10-3/4" 7"	40.5# 20#	660 2628.50	Lite Class C	225 200	2%cc 2%cc

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
N/A		N/A	

TUBING RECORD Size 2-3/8" Set At 2767.03' Packer at None Liner Run Yes No

Date of First Production 1/29/87 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	0 Bbls	1,120 MCF	0 Bbls	N/A	CFPB

METHOD OF COMPLETION

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

Production Interval
2643-2799'