

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 # 5056
Name F.G. Holl
Address 6427 E. Kellogg
City/State/Zip Wichita, Ks, 67207

Purchaser Northern Natural Gas Co.

Operator Contact Person W.J. Monk
Phone (316) 684-8481

Contractor: License # 5142
Name Sterling Drilling co.

Wellsite Geologist Don Solze
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 OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

11-13-84 11-19-84 12-10-84
Spud Date Date Reached TD Completion Date

4384
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 298' 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

API NO. 15-047-21,223-0000

County Edwards

SE SW NE Sec 17 Twp 24 Rge 16W East West

2970 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

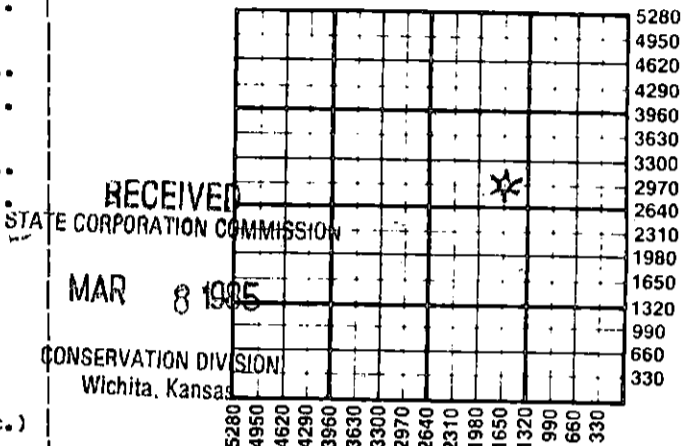
Lease Name Dutton Well # 4-17

Field Name Enlow

Producing Formation Kinderhook

Elevation: Ground 2088 KB 2097

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) (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 Wilfred J. Monk
Title Geologist Date 3-8-85

Subscribed and sworn to before me this 7 day of March 1985
Notary Public Mary D. Slagle

Date Commission Expires

MARY D. SLAGLE
STATE NOTARY PUBLIC
Sedgwick County, Kansas
My Appl. Exp. 4/27/85

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)

Sec. 17 Twp. 24 Rge. 16W

SIDE TWO

Operator Name F. C. Holl Lease Name Dutton Well # 4-17

Sec. 17 Twp. 24 Rge. 16W East West County Edwards

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 4246-4281 Mississippi

Rcd: 20' mud
 1st Flow: Tool opened with a 1/4" blow, decreased to no blow in 16 minutes and remained throughout flow period.

2nd Flow: Tool opened with no blow. Bypassed tool with a surface bubble blow, decreased to no blow in 4 minutes and remained throughout flow period.

30-30-30-30
 IFP: 18#
 ISIP: 18#
 FFP: 27#
 FSIP: 27#

Name	Top	Bottom
Heebner	3687	(-1590)
Brown Lime	3814	(-1717)
LKC	3821	(-1724)
BKC	4106	(-2009)
Cherokee	4228	(-2131)
Mississippi	4254	(-2157)
Kinderhook	4272	(-2175)
Kndhk sand	4288	(-2191)
Viola	4348	(-2251)

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		8-5/8"	23#	298'	KB	225	3% cc
Production		4-1/2"	10.5#	4382'	Lite	100	regular
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	4288-4296			7 1/2% DENSE acid / 500 lbs xrlink gel / 20,000# 20/40 sand and 10,000# 10/20 sand			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Shut In		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
Estimated Production Per 24 Hours		Bbls	SI MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4288-4296
 Used on Lease Dually Completed
 Commingled