

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 Frank Greenbaum
Phone (316) 684-8481

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
12-27-84 1-2-85 2-9-85
Spud Date Date Reached TD Completion Date
4455 4335
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 308 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. 15-047-21,235-0000
County Edwards
NE NE SE Sec. 19 Twp. 24 Rge. 16W West

2310 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

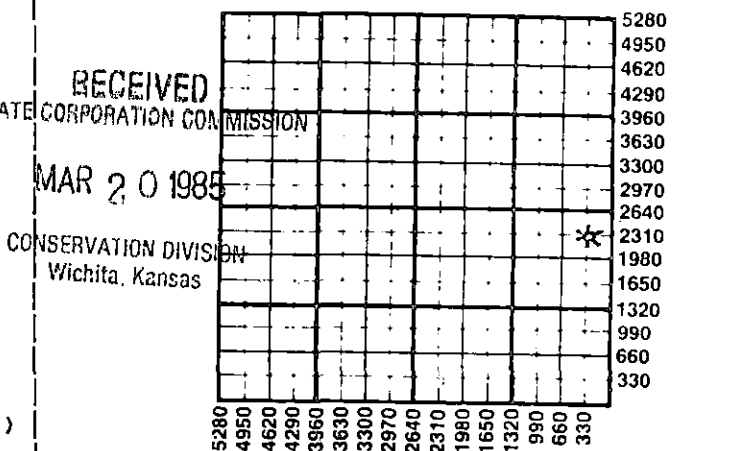
Lease Name M. Breitenbach Well # 1-19

Field Name Embry ext.

Producing Formation Mississippi

Elevation: Ground 2091 KB 2100

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 3-19-85

Subscribed and sworn to before me this 19th day of March 1985
Notary Public Mary D. Slagle

Date Commission Expires MARY D. SLAGLE
STATE NOTARY PUBLIC
Sedgwick County, Kansas
My Appt. Exp. 10/30/85

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. 19, Twp. 24, Rge. 16W

SIDE TWO

Operator Name F. G. Holl Lease Name M. Breitenbach Well # 1-19

Sec. 19 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 4286-4327 Mississippi
 Rcd: 120' GCM
 Initial flow period strong blow throughout,
 Final flow period GTS.
 IFP: 58#-79# ;30"
 ISIP: 1379# ;30"
 FFP: 76#-87# ;60"
 FSIP: 1354# ;30"
 BHT: 119F

Name	Top	Bottom
Heebner	3717	(-1617)
Brown Lime	3851	(-1751)
LKC	3861	(-1761)
BKC	4135	(-2035)
Cherokee sh	4260	(-2160)
Mississippi	4302	(-2202)
Kinderhook sh	4326	(-2226)
Kinderhook ss	4342	(-2242)
Viola	4417	(-2317)

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#	308' KB	60/40 Poz	225	.3% cc
Production		4.1/2"	10.5#	4440' KB	50/50 Poz	100	regular
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
2	4344-4350			500 gal. DSFE acid, 18 ball sealers			
1	4304-4322			500 gal. 15% DSFE, 20 sealer balls			
				frac. w/ 37,000 gal. x-link gal. w/		20,000# 20/40 and 18,000# 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		NA	Bbls	SI	MCF	NA	Bbls MA CFPB

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold (to be sold) Other (Specify) 4304-4322
 Used on Lease Dually Completed
 Commingled