

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 # 3810
Name Wolverine Exploration Company
Address 201 Main Street
Suite 400
City/State/Zip Ft. Worth, TX 76102-3108

Purchaser Unknown

Operator Contact Person Joe Hathorn
Phone (817) 335-4701

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist Columbine Logging (Russel Bac)
Phone (303) 595-4791

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
7-5-88 7-14-88 7-27-88
Spud Date Date Reached TD Completion Date
5400 5350
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1364 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1320 feet
If alternate 2 completion, cement circulated from 1364 feet depth to surf w/ 475 SX cmt
Cement Company Name Allied Cementing Co.
Invoice # N/A
A+I

API NO. 15-129-20-915-00-00
County Morton
C SE NW 17 33S Rge 42 East
..... Sec..... Twp..... Rge..... West

3300 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

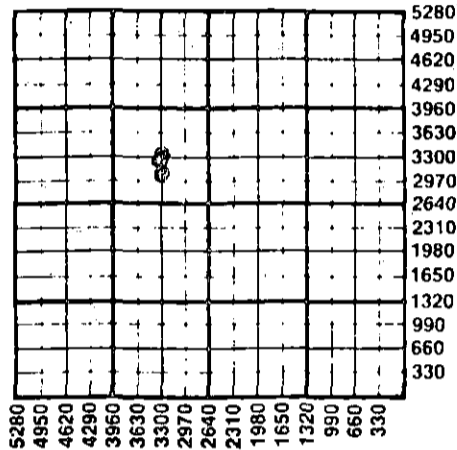
Lease Name Breeding Well # 1-22

Field Name East-Winter, NE

Producing Formation Morrow

Elevation: Ground 3532 KB 3543

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: T-88-324
Division of Water Resources Permit #

Groundwater 3300 Ft North from Southeast Corner
(Well) 3300 Ft West from Southeast Corner of
Sec 17 Twp 33 Rge 42 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 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. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. 8-11-88

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 Joe Hathorn

Title Operations Manager Date 8-9-88

Subscribed and sworn to before me this 9th day of August

Notary Public Rachelle L. Montgomery

Date Commission Expires 10-31-90



RACHELLE L. MONTGOMERY
Notary Public for the State of Texas
My Commission Expires 10-31-90

KCC.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Wireline Log Received
Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
8-11-88

Sec 17 Twp 33 Rge 42E

SIDE TWO

Operator Name Wolverine Exploration Company Lease Name Breeding Well # 1-22

Sec. 17 Twp. 33S Rge. 42 East West County Morton

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
Lansing	3282	
Marmaton	3644	
Morrow Sh.	4462	
L-3 V-7 Equiv.	4664	
Keyes	4977	
St. Louis	5184	
T.D.	5402	

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	12-1/4	8-5/8	24#	1364	Common	100	2% GeI 3% CC
Production	7-7/8	5-1/2	15#	5402	Lite Prem.	375 380	3% CC 50/50 POZ Mix

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4898-4908	Squeeze (75 sks neat)	4916'

TUBING RECORD Size 2-3/8 Set At 4700 Packer at 4600 Liner Run Yes No

Date of First Production 7-28-88 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours *	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
	0	1,600	2		.648

METHOD OF COMPLETION Vented Open Hole Perforation Solid Other (Specify)
 Used on Lease Dually Completed Commingled

Production Interval
4898-4908
 CFPB

* Multi-Point Back Pressure Test - Copy Attached

