

Sec. 1 Twp. 7 Rge. 26 County Sheridan

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, 3667-3724, 30-30-30-30, Rec. 100' GM w/few oil spots, FP: 105/105 127/127, BHP: 968/874, HP: 1822/1791, T: 110°

Name	Top	Bottom
Anhydrite	2195 (+390)	
B. Anhydrite	2229 (+356)	
Heebner	3668 (-1083)	
Lansing	3704 (-1119)	
Stark	3862 (-1277)	
RTD	3900 (-1315)	

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	23#	284	60/40 pozz	190	2% gel, 3% cc

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

TUBING RECORD	Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production | Producing Method Flowing Pumping Gas Lift Other (explain).....

MALLARD J.V., INC.
P.O. BOX 1009
McPHERSON, KANSAS 67460-1009

1-7-26W

DRILLERS' LOG

OPERATOR: Viking Resources
120 S. Market, Suite 518
Wichita, KS 67202-3819

WELL: Mowry #1
API#: 15-179-20,939

COMMENCED: February 21, 1989

LOCATION: S/2 SE NW
2970Ft. FSL, 3300 Ft. FEL

COMPLETED: February 26, 1989

SEC. 1 TWP. 7 S RGE. 26 W

TOTAL DEPTH: 3900 Ft.

COUNTY: Sheridan

ELEVATION: 2578 Ft. G.L.
2585 Ft. K.B.

REMARKS

Cut 12 1/4" hole to 290' and ran 7 joints 8-5/8" x 23# x 274.88' surface casing. Set at 284.38' and cemented w/190 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. at 2:00 p.m. 2-21-89.

Ran 1 DST.

R.T.D. 3900'. Plugged hole w/200 sacks 60/40 Pozmix, 6% gel, 3% cc as follows:

- 25 sacks @ 2200'
- 40 sacks @ 1400'
- 10 sacks @ 330'
- 10 sacks @ 40' and wiper plug
- 15 sacks R.H., 10 sacks M.H.

P.D. @ 4:45 p.m. 2-26-89.

RECEIVED
STATE CORPORATION COMMISSION

11-15-89
CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS)
) SS:
COUNTY OF MCPHERSON)

I, BRYAN HESS of MALLARD JV, INC. do hereby certify that this is a true and correct copy of the log of the Mowry #1 well as reflected by the files of Mallard JV, Inc.

Bryan Hess
Bryan Hess, General Manager

Subscribed and sworn to before me this 8th day of March, 1989.

Don J. Reichenberger
Notary Public

11-15-89
My Commission Expires

