

SIDE TWO

Operator Name Viking Resources Lease Name Jones Well # 1

Sec. 19 Twp. 16 Rge. 23 East West County Ness

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
Anhydrite	1850 (+657)	
B. Anhydrite	1884 (+623)	
Heebner	3894 (-1387)	
LKC	3936 (-1429)	
BKC	4248 (-1741)	
Pawnee	4336 (-1829)	
Ft. Scott	4424 (-1917)	
L. Cher Sh	4447 (-1940)	
Limey Sand	4508 (-2001)	
Miss	4540 (-2033)	
LTD	4579 (-2072)	
RTD	4580 (-2073)	

<p align="center">CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used</p> <p align="center">Report all strings set-conductor, surface, intermediate, production, etc.</p>							
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	20	235	60/40 doz	140	2% gel, 3% cc
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
TUBING RECORD		Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

DRILLERS' LOG

COMPANY: Viking Resources WELL: Jones #1
CONTRACTOR: Mallard JV, Inc. API#: 15-135-23,172
Box 1009 McPherson KS 67460 LOCATION: W/2 SE SE
COMMENCED: October 24, 1987 Sec. 19, Twp. 16S, Rge. 23W
COMPLETED: October 31, 1987 COUNTY: Ness
TOTAL DEPTH: 4580' ELEVATION: 2499G. L.
2507K. B.

Table with 3 columns: FORMATION, FROM, TO. Rows include Surface (0' to 238'), Shale, Sand (238' to 1209'), Blain (1209' to 1217'), Shale, Sand (1217' to 1348'), Sand (1348' to 1569'), Shale, Sand (1569' to 1853'), Anhydrite (1853' to 1887'), Shale, Chalk (1887' to 2570'), Shale, Lime (2570' to 4580').

REMARKS

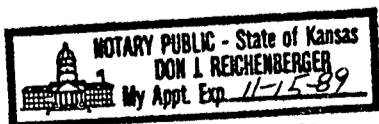
Cut 12 1/2" hole to 238' and ran 5 joints 8 5/8" X 20# X 225.17' surface casing. Set at 234.67' with 140 sacks 60/40 poz mix, 3% cc, 2% gel. P.D. at 6:00 p.m. 10-24-87.
Ran electric log.
Plugged hole with 210 sacks 60/40 poz mix, 6% gel as follows:
1st plug @ 1890' w/ 50 sacks
2nd plug @ 1045' w/ 80 sacks & 1 sack Flocele
3rd plug @ 260' w/ 50 sacks
4th plug @ 40' w/ 10 sacks & wiper plug
10 sacks in rathole, 10 sacks in mousehole
P.D. @ 11:15 a.m. 10-31-87

STATE OF KANSAS)
) SS:
COUNTY OF McPHERSON)

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

Bryan Hess
Bryan Hess, Gen. Mgr.

Subscribed and sworn to before me this 10th day of November, 1987.



Don J. Reichenberger
Notary Public
11-15-89

RECEIVED STATE CORPORATION COMMISSION Commission Expires:

DEC 10 1987