

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-..... 179-20,928-00-00

County..... Sheridan

.....E2 NE SE Sec. 13. Twp. 9. Rge. 28. X West

1980..... Ft North from Southeast Corner of Section
330..... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name..... Herl Well #.....

Field Name.....

Producing Formation.....

Elevation: Ground..... 2692 KB..... 2700

Operator: License # 5011
Name Viking Resources
Address 120 S. Market, Suite 518
Wichita, KS 67202-3819
City/State/Zip

Purchaser.....

Operator Contact Person Jim Devlin
Phone (316) 262-2502

Contractor: License # 4958
Name Mallard JV, Inc

Wellsite Geologist Joel Alberts
Phone.....

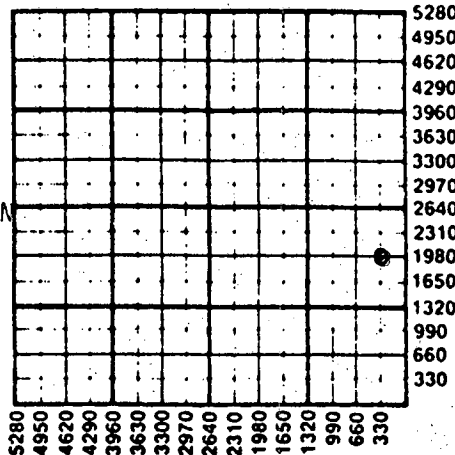
Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc)

If ONNO: old well info as follows:
Operator.....
Well Name.....
Comp. Date..... Old Total Depth.....

RECEIVED
STATE CORPORATION COMMISSION
SEP - 1 1988
09-01-1988
CONSERVATION DIVISION
Wichita, Kansas

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:
Division of Water Resources Permit #.....

Groundwater..... 1980 Ft North from Southeast Corner
(Well) 330 Ft West from Southeast Corner of
Sec. 13. Twp. 9 Rge. 28. East X 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. #)

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

..7-30-88... 8-6-88... 8-6-88...
Spud Date Date Reached TD Completion Date
4065
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 227 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
Cement Company Name.....
Invoice #
Alt II D+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.

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 James B. Devlin
Title Partner-Operator Date 16 August 1988

Subscribed and sworn to before me this 18th day of August 1988.
Notary Public Paula R. Dunagan
Date Commission Expires 2 March 1989

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
9-1-88
Form ACO-1 (5-86)



Sec. 13. Twp. 9. Rge. 28. W

Operator Name Viking Resources Lease Name Herl Well # 1

Sec. 13 Twp. 9 Rge. 28 East West 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, 3847-3884, 30-45-60-45, Rec. 30' GIP, 30' MCO, 60' O&MCW, 60' SO&MCW, 300' SW, BHP: 1136/1038
 FP: 109/141 218/251, HP: 1997/1987, BHT: 108°
 DST #2, 3934-4065, 30-45-15-45, Rec. 45' M, BHP: 940/864, FP: 141/141 141/141, HP: 2191/2181, BHT: 110°

Name	Top	Bottom
Anhydrite	2301 (+399)	
B. Anhydrite	2336 (+364)	
Topeka	3587 (-887)	
Heebner	3798 (-1098)	
Toronto	3817 (-1117)	
Lansing	3834 (-1134)	
BKC	4060 (-1360)	
RTD	4065 (-1365)	

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	12 1/4	8-5/8	20	227	60/40 PQZ	170	3% cc, 2% gel
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

Mallard JV, Inc.
P.O. Box 1009
McPherson, KS 67460

DRILLERS' LOG

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

WELL: Herl #1

API#: 15-179-20,928-00-00

COMMENCED: July 29, 1988

LOCATION: E2 NE SE

COMPLETED: August 6, 1988

1980 Ft. FSL, 330 Ft. FEL

TOTAL DEPTH: 4065 Ft.

Sec. 13 Twp. 9 S Rge. 28 W

ELEVATION: 2692 Ft. G.L.

COUNTY: Sheridan

2700 Ft. K.B.

FORMATION	FROM	TO
Surface	0'	230'
Shale, Sand	230'	2301'
Anhydrite	2301'	2336'
Shale	2336'	3238'
Shale, Lime	3238'	4065 R.T.D. Lansing

REMARKS

Cut 12 1/4" hole to 230' and ran 5 joints new 8-5/8" x 217.40' surface casing. Set at 226.9' and cemented with 170 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. @ 10:15 p.m.

Ran 2 DST's.

Plugged hole with 200 sacks 60/40 Pozmix, 6% gel as follows:

- 20 sx @ 2310'
- 100 sx @ 1425' and 2 sx celloflake
- 40 sx @ 275'
- 10 sx @ 40' with wiper plug.
- R.H. w/15 sx, M.H. w/15 sx. P.D. @ 1:00 a.m. 8-6-88.

RECEIVED
STATE CORPORATION COMMISSION

SEP - 1 1988
07-01-1988
CONSERVATION DIVISION
Wichita, Kansas

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 Herl #1 well as reflected by the files of Mallard Drilling.

Bryan Hess
Bryan Hess, Gen. Mgr.

Subscribed and sworn to before me this 15th day of August, 1988.

11-15-89
My Commission Expires

Don J. Reichenberger
Notary Public

