

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 # 4480
Name Blackhawk Exploration, Inc.
Address 200 E. First, Suite LL 100
City/State/Zip Wichita, KS 67202

Purchaser

Operator Contact Person Terry McLeod
Phone (316) 265-6431

Contractor: License # 5422
Name Abercrombie Drilling, Inc.

Wellsite Geologist TERRY McLeod
Phone 265-6431

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water, Supply etc.)

If OWWD: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

Spud Date 12-31-88 Date Reached TD 12-31-88 Completion Date 1-01-89

Total Depth 4665' PBDT

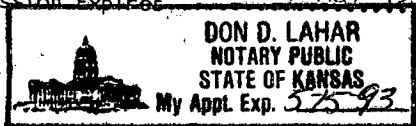
Amount of Surface Pipe Set and Cemented at 361 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

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 Terry McLeod
Title President Date 6/10/89

Subscribed and sworn to before me this 2nd day of June 1989
Notary Public Don D. Lahar
Date Commission Expires May 15, 1993



API NO. 15-193-20,475-00-00

County Thomas

S/2 SW NW Sec. 14 Twp. 10S Rge. 31 East X West

2970 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Haverkamp Well # 1

Field Name

Producing Formation D²A

Elevation: Ground 2980' KB 2985'

Section Plat

Section Plat grid with elevations on the right side ranging from 5280 to 330. An asterisk is marked in the grid at the 2970 elevation level.

RECEIVED
STATE CORPORATION COMMISSION
JUN 5 1989

CONSERVATION DIVISION
Wichita, Kansas

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 # T 89-010

Groundwater 1750 Ft North from Southeast Corner
(Well) 660 Ft West from Southeast Corner of
Thomas Co., Sec 2 Twp 10S Rge 31 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. #)
Edwin Huelsmann, RR 1, Oakley, KS

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)
6-5-89
Form ACO-1 (5-86)

Sec. 14, Twp. 10, Rge. 31

SIDE TWO

Operator Name Blackhawk Exploration, Inc. Lease Name..... Haverkamp Well #..... 1

Sec..... 14 Twp..... 10S Rge..... 31 East West County..... Thomas

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

DST No 1 4090-4120
 45-45-30-45
 Rec 5' mud
 SIP 926-873
 FP 21-32
 32-43

DST No 2 4193-4280
 30-30-30-45
 Rec 10' mud
 SIP 1173-1248
 FP 21-21
 21-32

DST 3
 4277-4314
 30-30-30-45
 Rec 5' mud
 SIP 64-75
 FP 21-21
 21-32

DST 4
 4399-4452
 45-45-45-45
 Rec 120' mud
 SIP 1055-991
 FP 21-32
 34-64

Formation Description		
Name	Top	Bottom
Elev	2985	RB.
TOPEKA	3783	-798
Heeb	3999 ³	-1008
LANE	4033	-1048
BHC	4303	-1318
Marm	4332	-1347
MISS	4423	-1638

CASING RECORD <input 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#	361'	60/40pos	225	3cc, 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				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