

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 # 5131
Name Thunderbird Drilling, Inc.
Address P. O. Box 780407
City/State/Zip Wichita, KS 67278

Purchaser.....

Operator Contact Person Burke B. Krueger
Phone (316) 685-1441

Contractor: License # 5422
Name Abercrombie Drilling, Inc.

Wellsite Geologist Craig Caulk
Phone 265-9501

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

..1-13-89... ..1-21-89... ..1-21-89...
Spud Date Date Reached TD Completion Date

.4265!.....
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 325 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 Allied Cementing Co.
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 *Burke B. Krueger*
Burke B. Krueger
Title Vice-President Date 1/31/89

Subscribed and sworn to before me this 31st day of January 1989
Notary Public *Gloria DeJesus*
Gloria DeJesus
Date Commission Expires 3-25-92

API NO. 15-153-20,731-00-00
County Rawlins
..... SE SE Sec. 25 Twp. 1S Rge. 34 East
..... X West

660
660 Ft North from Southeast Corner of Section
660 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

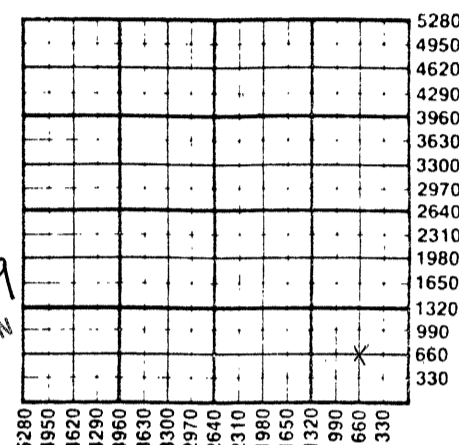
Lease Name Horinek "B" Well # 1

Field Name VAP SW

Producing Formation.....

Elevation: Ground 3060' KB 3045'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
FEB 1 1989
02-01-1989
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 #.....

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge 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. #)
Elmer Hoff, Seldon, KS 67757

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)
2-1-89
Form ACO-1 (5-86)

GLORIA DE JESUS
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXP. _____

Sec 25 Twp 1 S Rge 34 E

SIDE TWO

Operator Name Thunderbird Drilling, Inc. Lease Name Horinek "B" Well # 1

Sec. 25 Twp. 1S Rge. 34 East West County Rawlins

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

	Name	Top	Bottom
DST #1, 3900-3960/30-30-30-60, rec. 120' mw + 780' sw. IFP 60-325#, FFP 355-467# SIP 1214-1224#	Anhydrite	2892+	153
	B/Anhydrite	2926+	119
	Topeka	3782-	737
DST #2, 4009-4065/30-30-30-30, rec. 10' mud, ALL FP 30#, SIP 243-81#	Heebner	3947-	902
	Lansing-KC	3996-	951
	BKC	4236-	1191
DST #3, 4008-4116/45-30-30-30, rec. 70' mud w/ spks oil, IFP 50-50#, FFP 60-60# SIP 756-716#	LTD	4264-	1219
	RTD	4265-	1220
DST #4, 4156-4210/30-30-30-30, rec. 10' mud w/ few oil spks, IFP 30-30#, FFP 30-30# SIP 264-71#			

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#	325'	60/40pos	225	6% 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				
	<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