

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 18407 City/State/Zip Wichita, KS 67218

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

Contractor: license # 5131 name Thunderbird Drilling, Inc.

Wellsite Geologist Robert Thompson Phone 267-6153

Designate Type of Completion

New Well Re-Entry Workover

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

If OWWO: old well info as follows:

Operator Well Name Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable

Spud Date 11/1/84 Date Reached TD 11/7/84 Completion Date 11/7/84

Total Depth 3569 PBTD

Amount of Surface Pipe Set and Cemented at 303 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated from 0 feet depth to 303 w/ 190 SX cmt

API NO. 15 - 165-21,228-6000

County Rush

NE NE SW Sec 24 Twp 16S Rge 16

2310 Ft North from Southeast Corner of Section 2970 Ft West from Southeast Corner of Section

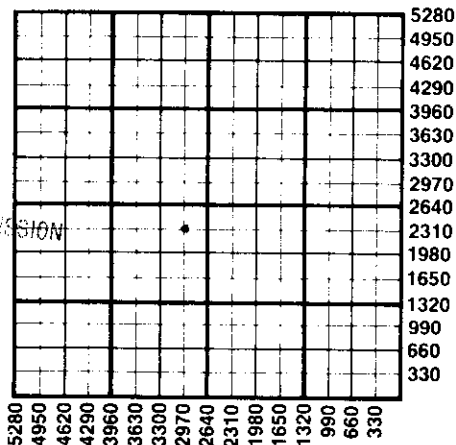
Lease Name RUDY Well# 1

Field Name WC

Producing Formation

Elevation: Ground 1946 KB 1951

Section Plat



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WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and (Well) Ft. West From Southeast Corner of Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge East West

Other (explain) Purchased from Keller Tank (purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well.

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.

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 [Signature] Title Vice-resident Date 12/10/84

Subscribed and sworn to before me this 10th day of December 19 84

Notary Public Gloria De Jesus Date Commission Expires 3-25-88

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

K.C.C. OFFICE USE ONLY F Letter of Confidentiality Attached C Wireline Log Received C Drillers Timelog Received Distribution KCC KGS SWD/Rep Plug NGPA Other (Specify)

Form ACO-1 (This form supercedes previous forms ACO-1 & C-10)

Sec. 24 Twp. 16S Rge. 16E

Operator Name Thunderbird Drilling, Lease Name Rudy Well# 1 SEC 24 TWP. 16S RGE. 16W  East  West

**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

No log

Formation Description  
 Log  Sample

DST #1, 3254-3355/30-30-30-30, rec. 5' ocm, 120' mw,  
 FP 68-116#, BHP 1058-1029#  
 DST #2, 3354-3465/30-45-60-45, rec. 60' mud + 240' wm,  
 FP 68-213#, BHP 1029-962#  
 DST #3, 3445-3560/30-30-30-30, rec. 15' mud, FP 73-  
 87#, BHP 271-213#  
 DST #4, 3560-69/30-45-60-45, rec. 750' w, FP 39-378#,  
 BHP 1175-1174#

Name	Top	Bottom
Anhydrite	1048 +	903
B/Anhydrite	1078 +	873
Topeka	2960 -	1009
Heebner	3191 -	1240
Lansing-KC	3250 -	1299
BKC	3458 -	1507
Arbuckle	3557 -	1606
RTD	3569 -	1618

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"	24#	303'	com.	190	2% gel, 3% ec.
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**  open hole  perforation  other (specify) \_\_\_\_\_  
 Disposition of gas:  vented  sold  used on lease  Dually Completed.  Commingled  
**PRODUCTION INTERVAL** \_\_\_\_\_