

SIDE ONE

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

Purchaser

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

Contractor: License # 5422
Name Abercrombie Drilling, Inc.

Wellsite Geologist Steve Parker
Phone (316) 263-5172

Designate Type of Completion

X New Well Re-Entry Workover
Oil SWD Temp Abd
Gas Inj Delayed Comp.
X 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:

X Mud Rotary Air Rotary Cable

Spud Date 1-23-88 Date Reached TD 1-27-88 Completion Date 1-27-88

Total Depth 3320' PBTD

Amount of Surface Pipe Set and Cemented at 256 feet
Multiple Stage Cementing Collar Used? Yes X No

If alternate 2 completion, cement circulated from 0 feet depth to 256 w/.175 SX cmt
Cement Company Name Allied Cementing Co.
Invoice # 50778

API NO. 15-051-24,542
County Ellis
SW NE Sec 8 Twp. 11S Rge. 19 East
4290 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Pulec Well # 1

Field Name WC

Producing Formation

Elevation: Ground 2021 KB 2126

Section Plat

Section Plat grid with coordinates 5280 to 330 on both axes. An 'X' is marked at the intersection of 4290 and 990.

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

X Other (explain) Farmers Pond (purchased from city, R.W.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 [Signature] Title Vice-President Date 2/19/88

GLORIA DE JESUS

NOTARY PUBLIC STATE OF KANSAS Subscribed and sworn to before me this 19th day of February

Notary Public Gloria DeJesus

Date Commission Expires 3-25-88

K.C.C. OFFICE USE ONLY

Form with checkboxes for Letter of Confidentiality Attached, Wireline Log Received, Drillers Timelog Received, Distribution (KCC, SWD/Rep, NGPA, Plug, Other), and date 2-22-1988.

Sec 8 Twp 11 Rge 19

SIDE TWO

Operator Name Thunderbird Drilling, Inc. Lease Name Pulec Well # 1

Sec. 8 Twp. 11S Rge. 19 East West County Ellis

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No 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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">Formation Description</th> </tr> <tr> <td><input checked="" type="checkbox"/> Log</td> <td colspan="2"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> <tr> <td>Anhydrite</td> <td>1375+</td> <td>651</td> </tr> <tr> <td>B/Anhydrite</td> <td>1411+</td> <td>615</td> </tr> <tr> <td>Topeka</td> <td>3029-</td> <td>1003</td> </tr> <tr> <td>Heebner</td> <td>3251-</td> <td>1225</td> </tr> <tr> <td>Toronto</td> <td>3272-</td> <td>1246</td> </tr> <tr> <td>LKC</td> <td>3292-</td> <td>1266</td> </tr> <tr> <td>RTD</td> <td>3320-</td> <td>1294</td> </tr> <tr> <td>LTD</td> <td>3292-</td> <td>1266</td> </tr> </table>	Formation Description			<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample		Name	Top	Bottom	Anhydrite	1375+	651	B/Anhydrite	1411+	615	Topeka	3029-	1003	Heebner	3251-	1225	Toronto	3272-	1246	LKC	3292-	1266	RTD	3320-	1294	LTD	3292-	1266
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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#	257	Common	175	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