

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 Mark Thompson
Phone (316) 267-2672

PURCHASER Koch Oil Company

Designate Type of Completion
 New Well Re-Entry Workover

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

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

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
9/14/84 9/23/84 9/30/84
Spud Date Date Reached TD Completion Date

3627' PBT
Total Depth

Amount of Surface Pipe Set and Cemented at 345 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 345' w/ 225 SX cmt

API NO. 15 - 163-22,477 0000

County Rooks

NW SE SW Sec 3 Twp 7S Rge 20 East West

990 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

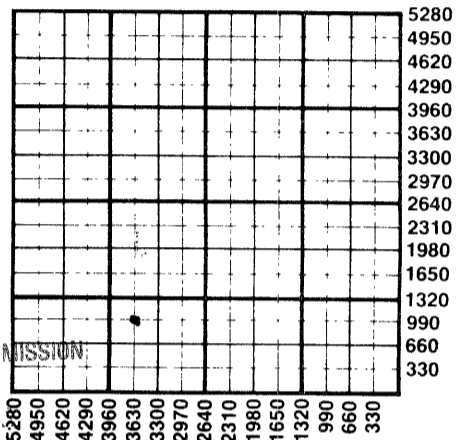
Lease Name ROSS Well# 1

Field Name WC Slate, S.W. ✓

Producing Formation Lansing-Kansas City

Elevation: Ground 2144' KB 2149'

Section Plat



11/6/84
RECEIVED
NOV 06 1984

STATE CORPORATION COMMISSION

CONSERVATION DIVISION
Wichita, Kansas

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 Landowner (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. Rules 82-3-130 and 82-3-107 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 10/15/84

Subscribed and sworn to before me this 15th day of October 19 84

Notary Public Gloria DeJesus 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 SWD/Rep NGPA
KGS Plug Other (Specify)

Sec. 2
Twp. 7
Rge. 20

Operator Name Thunderbird Drilling, Inc. Lease Name ROSS Well# 1 SEC 3 TWP 7S RGE 20 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

Formation Description
 Log Sample

Name	Top	Bottom
DST #1, 3258-3335/30-30-30-30, rec. 980' mw, FP 68-475#, BHP 1038-1048#	1715+	434
DST #2, 3360-3380/30-30-30-30, rec. 700' oil, 380' w, FP 68-455#, BHP 915-905#	1746+	403
DST #3, 3393-3420/30-45-30-45, rec. 65' mud, FP 28-38#, BHP 1184-1165#	3327-	1178
DST #4, 3415-3435/30-30-30-30, rec. 5' mo, FP 19-28# BHP 136-39#	LKC	3365-1216
DST #5, 3433-3460/30-45-30-45, rec. 125' vsocmw, FP 19-87#, BHP 866-857#	BKC	3570-1421
DST #6, 3508-3547/30-45-30-45, rec. 510' gip, 960' cgo, FP 68-359#, BHP 897-897#	Arbuckle	3616-1467
DST #7, 3562-3627/30-45-30-45, rec. 420' gip, 90' co, 60' mo, FP 58-87#, BHP 687-596#	LTD	3625-1476
	RTD	3627-1478
Surface Hole	0	345
Shale	345	1225
Sand	1225	1440
Shale	1440	1716
Anhydrite	1716	1746
Shale	1746	2222
Shale & Lime	2222	2415
Lime	2415	2825
Shale & Lime	2825	3050
Lime	3050	3627
R.T.D.	3627	

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"	24#	345'	Com	225	2% gel, 3% cc
Production		4 1/2"	14#	3616		150	
Stage Collar				1705		500	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
2	3516-3526			A 1000 gal.			3516-3538 OA
2	3530-3538						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
size	set at	packer at					
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
10/5/84							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	120		None				
	Bbls	MCF	Bbls	CFPB			

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify) _____

PRODUCTION INTERVAL: 3516-3538 OA

Dually Completed. Commingled