

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 Stanton Cox
Phone (316) 684-4144

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
6/12/84 6/20/84 7/9/84
Spud Date Date Reached TD Completion Date
3405
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 346 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 346' w/ 210 SX cmt

API NO. 15-15-163-22,376 0000

County Rooks

NW SW NW Sec 32 Twp 7S Rge 19W East West

3630 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

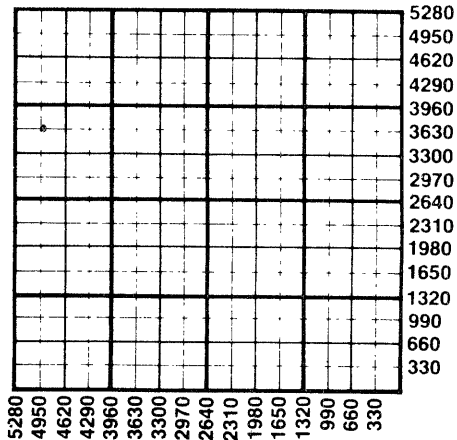
Lease Name Schoeller Well# 4

Field Name Schoeller

Producing Formation Arbuckle

Elevation: Ground 1936 KB 1941

Section Plat



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 Burke Krueger
Title Vice-President Date 7/19/84

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

Notary Public Gloria DeJesus
Date Commission Expires 3-25-88 Gloria DeJesus

RECEIVED
STATE CORPORATION COMMISSION
JUL 20 1984
CONSERVATION DIVISION
Wichita, Kansas

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)

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

Sec. 32 Twp. 7 Rge. 19W

SIDE TWO

Operator Name Thunderbird Drilling, Inc. Lease Name Schoeller Well# 4 SEC 32 TWP 7S RGE 19 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. NO LOG RUN

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, 3136-70/30-30-30-30, rec. 5' mud w/few spks oil, FP 28-28#, BHP 1001-994#		
DST #2, 3172-3202/30-45-60-45, rec. 270' mw, FP 43-159# BHP 1216-1188#	1422+	519
DST #3, 3206-3220/30-30-30-30, rec. 5' mud, All press 19#	1462+	479
DST #4, 3222-3250/30-45-60-45, rec. 690' mw, FP 50-347# BHP 1058-863#	3107-	1166
DST #5, 3291-3330/30-45-60-45, rec. 225' gip, 75' mgo, FP 50-65#, BHP 376-195#	3129-	1188
DST #6, 3386-3400/30-30-30-30, rec. 3' c.o., 7' socm, FP 36-43#, BHP 652-333#	LKC	3149-1208
DST #7, 3397-3405/30-45-60-45, rec. 60' gip, 50' cgo, 100' ocm, FP 36-72#, BHP 645-601#	ARB	3395-1454
	RTD	3405-1465

Description	From	To
Surface hole	0	346
Shale	346	940
Sand	940	1140
Shale & Sand	1140	1422
Anhydrite	1422	1462
Shale	1462	1935
Shale & Lime	1935	2624
Lime & Shale	2624	2815
Lime	2815	3405
R.T.D.	3405	

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#	346'	com	210	2% gel, 3% cc
Production		4 1/2"		3397'		100	
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 checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
7/9/84							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	25 Bbls	none MCF	none Bbls		CFPB		

Disposition of gas: vented open hole perforation sold other (specify) used on lease Dually Completed. Commingled

PRODUCTION INTERVAL: 3397-3405