

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 # 5120
Name Range Oil Company, Inc.
Address 125 North Market, Suite 1120
City/State/Zip Wichita, Kansas 67202

Purchaser

Operator Contact Person John M. Washburn
Phone 316-265-6231

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Bob Olsen
Phone 265-8231

Designate Type of Completion
 New Well Re-Entry Workover

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
4-24-89 5/2/89 5/9/89
Spud Date Date Reached TD Completion Date
3,101'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 219 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
Invoice #
A/I D/O

API No. 15-035-23,877
County Cowley
SW/4 NW/4 NW/4 34 31S 4E X East
Sec Twp Rge West

4290 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

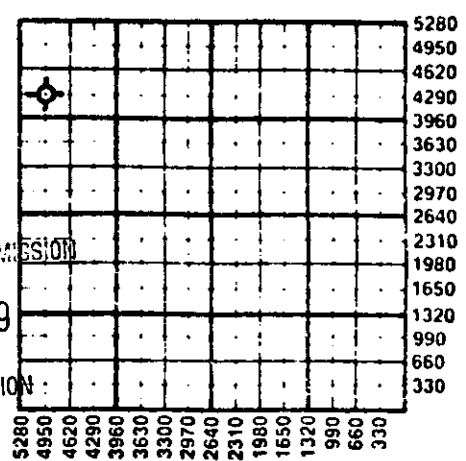
Lease Name Thiel Well # 1

Field Name

Producing Formation

Elevation: Ground 1248 KB 1253

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
MAY 19 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 # NA

Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West

X Surface Water 3500 Ft North from Southeast Corner
(Stream, pond etc) 500 Ft West from Southeast Corner
Sec 12 Twp 32S Rge 4E X East West
Mike Pressnall, Winfield, Ks. 67156
Other (explain)
(purchased from city, R.W.D. #)

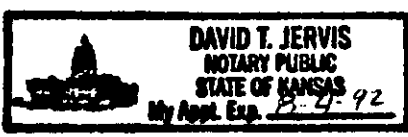
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 John M. Washburn
Title Vice President Date 5-18-89

Subscribed and sworn to before me this 18th day of MAY 1989
Notary Public David T. Jervis

Date Commission Expires



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)
5-19-89
Form ACO-1 (5-86)

Sec 34 Twp 31 Rge 4E

Operator Name Range Oil Company, Inc. Lease Name Thiel Well # 1

Sec. 34 Twp. 31S Rge. 4E East West County Cowley

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

DST #1 - 3062'-3068', 30-30-45-60. Mis-run; plugged tool.

DST #2 - 3062'-3068', 30-30-60-60. Blow; weak. Recovered 210' FIP + 30' OGCM (5% oil). (2,000ppm) IFP 10-20. ISIP 670. FFP 20-30. FSIP 505. T: 111°F.

Formation Description		
Name	Top	Bottom
Iatan	2024'	(-771')
Stalnaker	2035'	(-782')
Layton Zone	2426'	(-1173')
Kansas City	2511'	(-1258')
Base Kansas City	2670'	(-1417')
Cleveland Porosity	2704'	(-1451')
Marmaton	2762'	(-1509')
Cherokee	2880'	(-1627')
Bartlesville	3061'	(-1808')
Miss. Chert	3067'	(-1814')
Miss. Limestone	3068'	(-1815')
RTD	3101'	(-1848')

CASING RECORD <input type="checkbox"/> New <input checked="" 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 3/4	20	219	Common	101	3% CaCl

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	
Size	Set At	Packer at	

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

