

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 1120 KSB&T Building
125 North Market
City/State/Zip Wichita, Kansas 67202

Purchaser

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

Contractor: License # 5124
Name Range Drilling Co., Inc.

Wellsite Geologist Bob Olsen
Phone (316) 265-6231

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
10-8-88 10-13-88 10-25-88
Spud Date Date Reached TD Completion Date
2793
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 207 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 #

Oil Dry

API NO. 15-015-23,103-00-00
County Butler
NE Sec 8 Twp 26 Rge 3 East West

3880 Ft North from Southeast Corner of Section
1150 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

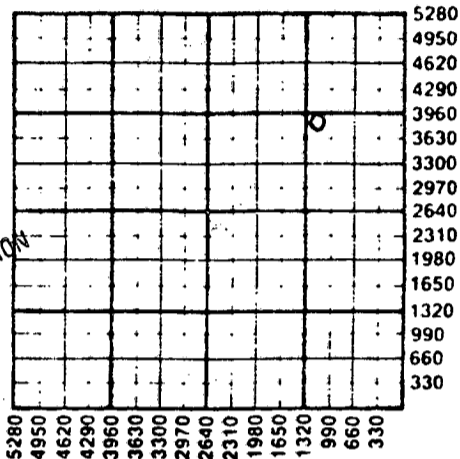
Lease Name Wolf Well # 1

Field Name Benfer Extension

Producing Formation

Elevation: Ground 1333 KB 1338

Section Plat



RECEIVED
NOV 14 1988
11-14-88
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

Surface Water 5200 Ft North from Southeast Corner
(Stream, pond etc) 5200 Ft West from Southeast Corner
Sec 8 Twp 26 Rge 3 East West

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
John M. Washburn
Title Vice President Date 11-3-88

Subscribed and sworn to before me this 3rd day of November 1988
Notary Public David T. Jervis
David T. Jervis
Date Commission Expires

DAVID T. JERVIS
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 8-4-92

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)
11-14-88

Sec. 8 Twp 26 Rge 3 E

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

Sec. 8 Twp. 26 Rge. 3 East West County Butler

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

DST #1 - 2774'-2793', 30-30-60-60. Blow; fair.
 Rec: 240' FIP + 80' GCO + 70' OGCM
 (25% oil, 10% gas, 65% mud). IFP, 71-71.
 ISIP 629. FFP 91-91. FSIP 629.
 T: 105° F.

Name	Top	Bottom
Lansing	2034'	(-696')
Base Lansing	2244'	(-906')
Kansas City	2320'	(-982')
Base Kansas City	2480'	(-1142')
Conglomerate Zone	2736'	(-1398')
Mississippian Chert	2771'	(-1433')
RTD	2793'	(-1455')
LTD	2793'	(-1455')

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	12.25	8.625	23	207	Common	150	3% CaCl
Production	7.825	4.5	9.5	2772	Common	75	Range blend
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
	Open hole			250 Gal. 15% Acid		2772-93'	
				Frac 50 sacks sand, 34 tons		2772-93'	
				CO ₂ 84 bbls			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method						
D&A	<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

WELL LOG
 BUTLER COUNTY
 PA
 19100