SIDE ONE

15-33-4E

S

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 N. Market, 1120 KSB&T Bldg.
City/State/Zip Wichita, Kansas 67202

Purchaser Total Petroleum

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

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

Wellsite Geologist Steve Kreidler
Phone

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

X 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:
11-16-77 X Mud Rotary ___ Air Rotary ___ Cable

1-16-77	11-24-77	12-27-77
Spud Date	Date Reached TD	Completion Date

3215	None
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 183 feet
Multiple Stage Cementing Collar Used? ___ Yes X No
If yes, show depth set ..... feet
If alternate 2 completion, cement circulated
from ..... feet depth to ..... w/ ..... SX cmt
Cement Company Name
Invoice #

API NO. 15- 035 - 21,768

County Cowley

~ SE SW Sec. 15 Twp. 33 Rge. 4 X East ___ West

660 Ft North from Southeast Corner of Section
3250 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

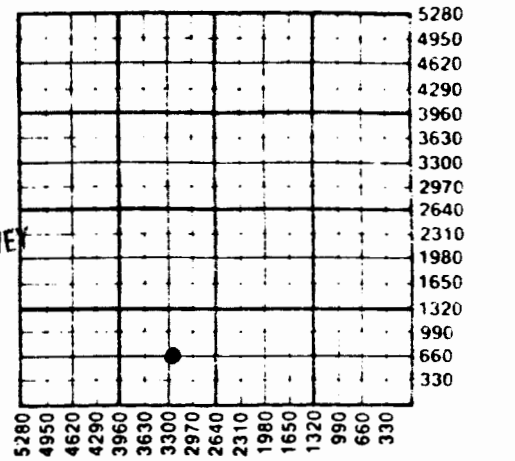
Lease Name Shields Well # 1

Field Name Posey Northeast

Producing Formation Mississippian

Elevation: Ground 1177 KB 1184

Section Plat



JUN 2 3 1987

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

A WATER SUPPLY INFORMATION

Disposition of Produced Water: X Disposal
Docket # CD-37812 ___ Repressuring
(C-19,319)

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

X Surface Water ..... Ft North from Southeast Corner
(Stream, pond etc) ..... Ft West from Southeast Corner
Sec 15 Twp 33S Rge 4 X 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

15-33-4E

SIDE TWO

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

Sec. 15 Twp. 33S Rge. 4 [X] 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 [X] Yes [ ] No
Samples Sent to Geological Survey [X] Yes [ ] No
Cores Taken [ ] Yes [X] No

DST #1 - 660-720, 30-30-70-30. Rec. 240' MW. IFP 10-82. ISIP 206. FFP 103-126. FSIP 186.

DST #2 - 2577-2595, 30-30-30-45. Rec. 70' Mud with SSO. IFP 8-14. ISIP 735. FFP 35-35. FSIP 930.

Formation Description
[X] Log [ ] Sample

Name	Top	DATUM Bottom
Admire	676	+508
Iatan	1984	-800
Perry Sand	2212	-1028
Layton	2441	-1257
Kansas City	2570	-1386
Base Kansas City	2734	-1550
Marmaton	2815	-1631
Cherokee	2930	-1746
Mississippian Chert	3146	-1962
Mississippian Lime	3160	-1976

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	20 Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval 3148-3157

Disposition of gas: [ ] Vented [ ] Open Hole [X] Perforation

CASING RECORD [ ] New [ ] 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 (new)	23	183	Common	110	3% CaCl
Production	7.825	4.5 (new)	10.5	3198	Common	75	Range Blend

PERFORATION RECORD Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	3148-3157	500 Gal. 15% NE	3148-3157
		Frac with 473 bbls. Fersagel	
		+ 220 sacks sand	

TUBING RECORD Size 2.375 Set At 3180 Packer at No Packer Liner Run [ ] Yes [XX] No

Date of First Production 12-27-77 Producing Method [ ] Flowing [X] Pumping [ ] Gas Lift [ ] Other (explain)