

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 240 Page Court.....
.....220 West Douglas.....
City/State/Zip Wichita, KS 67202.....

Purchaser National Cooperative Refinery Assoc.....
.....

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

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

Wellsite Geologist Greg Bolte.....
Phone (316) 265-6231.....

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SMD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator Musgrove Petroleum Corp.....
Well Name #1 Johnson.....
Comp. Date 5-16-52.....Old Total Depth 3403

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
...1952..... ..7-1-84..... ..9-13-84.....
Spud Date Date Reached TD Completion Date
...3710..... ..3450.....
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 358 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

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. Rule 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 H. G. McMahon, III
H. G. McMahon, III
Title Geologist Date 10-8-84

Subscribed and sworn to before me this 8 day of October 1984...
Notary Public David T. Jervis
David T. Jervis

Date Commission Expires.....

DAVID T. JERVIS
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 8-4-88

API NO. 15-169-01,001-00-01

County Saline

NE NE SE Sec. 31 Twp. 16S Rge. 3 East West

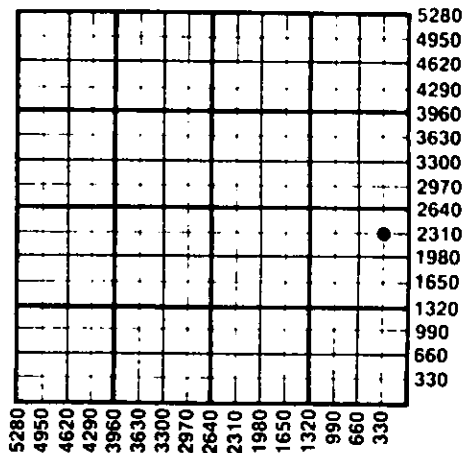
..2110.... Ft North from Southeast Corner of Section
...330.... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Johnson "A" Well # 2 (OWWO)

Field Name Lindsborg

Producing Formation Maquoketa

Elevation: Ground 1355 KB 1360
Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket # CD-1821

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

Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner Sec Twp Rge East West

Other (explain).....
(purchased from city, R.W.D. #)

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
RECEIVED
STATE CORPORATION COMMISSION

Form ACO-1 (7-84)
NOV 18 1985

CONSERVATION DIVISION
Wichita, Kansas

Sec. 31 Twp. 16S Rge. 3W

SIDE TWO

Operator Name Range Oil Company, Inc. Lease Name Johnson "A" Well # 210WVO

Sec. 16 Twp. 16S Rge. 3 East West County Saline

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
Brn Ls	2203	(-843)
Lans	2279	(-919)
Miss	2912	(-1552)
M-Os	2989	(-1629)
Kd	3164	(-1804)
Mqsh	3369	(-2009)
Mqdol	3387	(-2027)
Vi	3443	(-2083)
SpSh	3526	(-2166)
Sp dol	3532	(-2172)
Sp Ss	3564	(-2204)
Arb	3592	(-2232)
DDTD	3710	(-2350)
LTD	3710	(-2350)

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	Unknown	8 5/8	Unknown	358	Common	Unknown	Unknown
Production	7 7/8	5 1/2	15.5	3595	Common	150	10% Salt, 10% G1, 2% Gel, 1% CaCl, 0.75% FR

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	3388-3393 & 3403-3407	2000 Gal. 15% SCA, 1000 Gal. 15% SCA, 1000 Gal. 15% SCA, 3000 Gal. 15% NE tons Carbon Dioxide	3595-3710 3388-3393 & 3403-3407

TUBING RECORD Size 2 3/8 EUE Set At 3406 Packer at No Pkr Liner Run Yes No

Date of First Production 9-13-84 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	8 Bbls	0 MCF	35 Bbls	0	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3388-3393 & 3403-3407
 Used on Lease Dually Completed
 Commingled