

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 56202

Purchaser Total Petroleum

Operator Contact Person Harry McMahon
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 OWNED: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

1-8-88 1-14-88 2-3-88
Date Date Reached TD Completion Date
MIRT
3238 None
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 233 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 #

API NO. 15- 159-22,219
County Rice
N/2 NW SW Sec 18 Twp 18S Rge 6 East West

2310 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

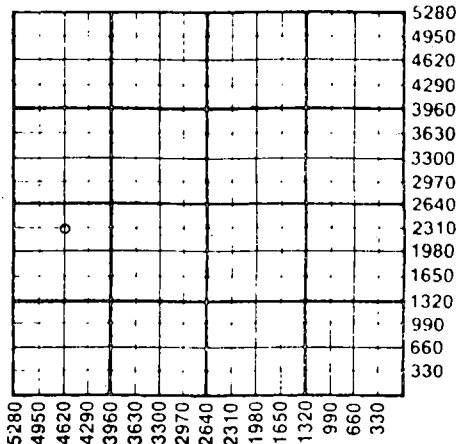
Lease Name Rehme Well # 1

Field Name Crawford Extension

Producing Formation Conglomerate

Elevation: Ground 1688 KB 1693

Section Plat



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WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # D-24305 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 2310 Ft North from Southeast Corner
4620 Ft West from Southeast Corner of
Sec 18 Twp 18S Rge 6 East West
Surface Water 75 Ft North from Southeast Corner
(Stream, pond etc) 1580 Ft West from Southeast Corner
Sec 7 Twp 18S Rge 6 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 Harry G. McMahon, III
Title Geologist Date 2-22-88

Subscribed and sworn to before me this 22nd day of February 1988
Notary Public David T. Jarvis

Date Commission Expires

DAVID T. JARVIS
NOTARY PUBLIC
STATE OF KANSAS
8-4-88

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

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

Sec. 18 Twp. 18S Rge. 6 East West County Rice

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 - 3160'-3188', 30-30-60-60. Blow; fair to strong. Rec: 90' gas in pipe + 90' heavy oil & gas cut mud (23% gas, 30% oil, 5% water, 42% mud) + 60' muddy gassy oil (28% gas, 34% oil, 8% water, 30% mud) + 120' slight muddy & gassy oil (28% gas, 56% oil, 11% water, 5% mud). IFP 31-52. ISIP 551. FFP 72-83. FSIP 531. T: 103°F.

Name	Top	DATUM
Heebner	2574'	(-881')
Brown Limestone	2696'	(-903')
Lansing	2746'	(-1053')
Base Kansas City	3104'	(-1411')
Cherokee	3164'	(-1471')
1st Conglomerate	3180'	(-1487')
2nd Conglomerate	3189'	(-1496')
Kinderhook	3212'	(-1519')
LTD	3237'	(-1544')
RTD	3238'	(-1545')

DST #2 - 3190'-3208', 30-30-60-60. Blow; strong. Rec: 120' gas mud oil & water (18% gas, 30% oil, 20% mud, 32% water) + 260' gas & water cut oil (10% gas, 56% oil, 34% water) + 220' salt water with oil scum (42,000ppm). IFP 62-104. ISIP 603. FFP 145-218. FSIP 603. T: 105°F.

RELEASED

MAR 30 1989

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FROM CONFIDENTIAL

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	12.25	8.625	23	233	Common	150	3% CaCl
Production	7.825	4.5	9.5	3237	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	
2	3191'-3197'			250 Gal. 15% FF Ac; Frac w/ 60 bbl KCl wtr; 32 tons CO ₂		3191'-3197'	
				50 sacks staged sand			
TUBING RECORD				Liner Run. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer at					
2.375 EUE	3208 KB	No Packer					
Date of First Production		Producing Method					
2-3-88		<input type="checkbox"/> Flowing <input checked="" 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	
35 Bbls		0 MCF	40 Bbls	0 CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 3191'-3197' Used on Lease Dually Completed Commingled