

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-159-22,122.00.00
County Rice
NW SW Sec 17 Twp 18S Rge 6 East
West

Operator: License # 5120
Name Range Oil Company, Inc.
Address 240 Page Court
220 West Douglas
City/State/Zip Wichita, Kansas 67202

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

Purchaser Total Petroleum

Lease Name Diffenbaugh Well # 1

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

Field Name Crawford SE

Producing Formation Penn. Cong.

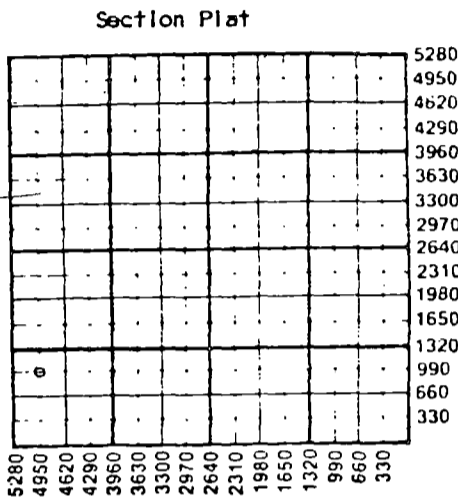
Contractor: License # 5124
Name Range Drilling Co.

Elevation: Ground 1684 KB 1689

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.)

CONFIDENTIAL



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

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # D-24305 Repressuring

WELL HISTORY
Drilling Method:
 Mud Rotary Air Rotary Cable

3-17-86 3-24-86 4-15-86
Spud Date Date Reached TD Completion Date
3379 None
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 210 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 #

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 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. #)

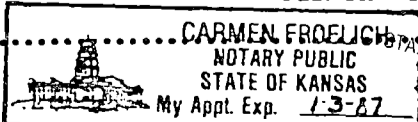
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.
Information on side two of this form will be held 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 Harry G. McMahon, III
Title Geologist Date 5-14-86

Subscribed and sworn to before me this 14th day of May 1986
Notary Public Carmen Froelich
Carmen Froelich

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)

RECEIVED STATE CORPORATION COMMISSION
JUN 05 1986
6-5-1986
CONSERVATION DIVISION
Wichita

Sec. 17 Twp. 18S Rge. 6E

SIDE TWO

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

Sec. 17 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) 3237-3277 30-30-60-60 Blow: fr Rec: 200'
 SOCGM (10% G, 10% O, 2% W, 78% M), IFP
 39-52 ISIP 732 FFP 78-91 FSIP 693 T:101°F.

DST (2) 3278-3286 30-30-60-60 Blow: wk Rec: 20'
 GMCO (10% G, 60% O, 10% W, 20% M) + 100'
 SOCWM (5% O, 15% W, 80% M) IFP 39-39
 FSIP 746 FFP 39-52 FSIP 706 T:101°F.

Name	Top	DATUM
Hb	2632	- 943
Brn Ls	2757	-1068
Lans	2812	-1123
BKC	3170	-1481
Ck	3240	-1551
U. Cgl	3266	-1577
L. Cgl	3282	-1593
Mct	3293	-1604
Kd	3364	-1675
RTD	3379	-1690
LTD	3379	-1690

CONFIDENTIAL

CASING RECORD <input checked="" 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 (new)	23	210	Common	150	3% CaCl
Production	7.825	4.5 (used)	9.5	3378	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	3268-3277			250 Gal. 10% FE Acid; Frac w/5100 Gal. KCl Wtr., 125 sx stgd. sd., 48 tons CO2, 500 Gal. 10% FE Acid Spearhead		3268-3277	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
4-15-86		2.375"	3289KB	No Packer			
Date of First Production		Producing Method					
4-15-86		<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	
5 Bbls		0 MCF	175 Bbls	0 CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3268-3277
 Used on Lease Dually Completed
 Conmingled

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
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3-17-86 3-24-86 4-15-86
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County Rice
NW SW SW Sec 17 Twp 18S Rge 6 West

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(Note: Locate well in section plat below)

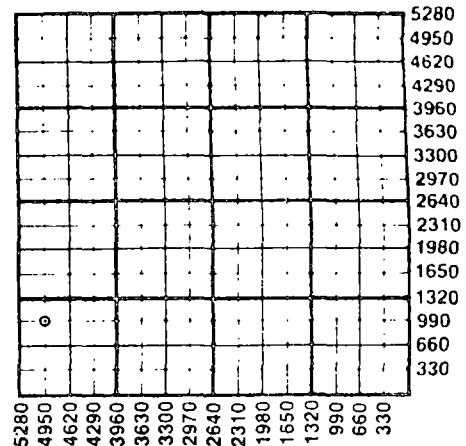
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Field Name Crawford SE

Producing Formation Penn. Cong.

Elevation: Ground 1684 KB 1689

Section Plat



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 #

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

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

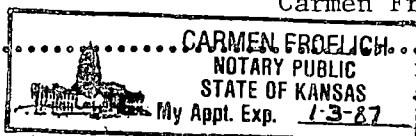
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Notary Public Carmen Froelich

Date Commission Expires CARMEN FROELICH



K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Other
STATE CORPORATION COMMISSION
MAY 16 1986

CONSERVATION DIVISION
Wichita, Kansas

Sec 17 Twp 18 Rge 6 W

15. 159/ 22,22.00.00

SIDE TWO

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Sec. 17 Twp. 18S Rge. 6 East West County Rice

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CONFIDENTIAL

RELEASED
 AUG 16 1988

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TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2.375"		Set At 3289KB		Packer at No Packer			
Date of First Production 4-15-86		Producing Method <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 5 Bbls	Gas 0 MCF	Water 175 Bbls	Gas-Oil Ratio 0	Gravity CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
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 Used on Lease Dually Completed
 Conmingled