



SIDE ONE

5

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 # 5020
Name Rine Exploration Company
Address Suite #645
300 W. Douglas
City/State/Zip Wichita, KS 67202

Purchaser ~~HFE~~ Mobil Oil
Kc-KcL Kc-KcL

Operator Contact Person M. Bradford Rine
Phone 316/262-5418

Contractor: License # 5422
Name Abercrombie Drilling, Inc.

Wellsite Geologist Steve Kriedler
Phone 316/265-5370

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp Abd
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply etc.)

If OWNO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

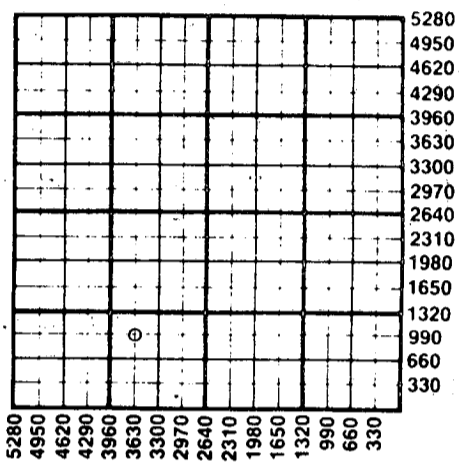
08/27/85 09/02/85 09/03/85
Spud Date Date Reached TD Completion Date
3696' 3690'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 305' 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

API NO. 15-163-22,742-0000
County Rooks
NW 1/4 SE 1/4 SW 1/4 Sec. 24 Twp. 10S Rge. 20W East West

990 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Sutor Well # 1-24
Field Name Marcotte
Producing Formation Arbuckle
Elevation: Ground 2128' KB 2133'



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

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 850 Ft North from Southeast Corner (Stream, pond etc) 3630 Ft West from Southeast Corner Sec 24 Twp 10S Rge 20 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 M. Bradford Rine
Title President / Geologist Date 10/02/85

Subscribed and sworn to before me this 2nd day of October 1985
Notary Public Ginger L. Mitchell
Date Commission Expires June 11, 1988

GINGER L. MITCHELL
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 06-11-88

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

Form ACO-1 (7-84) 3 1985
10-03-85 CONSERVATION DIVISION
Wichita, Kansas

X

SIDE TWO

Operator Name RINE EXPLORATION COMPANY Lease Name Sutor Well # 1-24

Sec. 24 Twp. 10 South Rge. 20 West East West County Rooks

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input checked="" type="checkbox"/> Sample																																																									
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No																																																										
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No																																																										
DST #1 / 3160'-3206' (Topeka) 30-45-45-60. Weak blow, rec. 120' watery cut mud with slight show of oil.	IFP 21 - 21 ISIP 690	FFP 32 - 32 FSIP 679	<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td colspan="3">SAMPLE TOPS</td></tr> <tr><td>Anhydrite</td><td>1553</td><td>+ 580</td></tr> <tr><td>Base Anhydrite</td><td>1586</td><td>+ 547</td></tr> <tr><td>Topeka</td><td>3143</td><td>-1010</td></tr> <tr><td>Heebner</td><td>3352</td><td>-1219</td></tr> <tr><td>Lansing</td><td>3390</td><td>-1257</td></tr> <tr><td>Base Kansas City</td><td>3597</td><td>-1464</td></tr> <tr><td>Arbuckle</td><td>3692</td><td>-1559</td></tr> <tr><td>RTD</td><td>3696</td><td>-1563</td></tr> <tr><td colspan="3">E-LOG TOPS</td></tr> <tr><td>Anhydrite</td><td>1551</td><td>+ 582</td></tr> <tr><td>Base Anhydrite</td><td>1589</td><td>+ 544</td></tr> <tr><td>Topeka</td><td>3143</td><td>-1010</td></tr> <tr><td>Heebner</td><td>3351</td><td>-1218</td></tr> <tr><td>Lansing</td><td>3389</td><td>-1256</td></tr> <tr><td>Base Kansas City</td><td>3597</td><td>-1464</td></tr> <tr><td>Arbuckle</td><td></td><td>Not on Log</td></tr> <tr><td>LTD</td><td>3696</td><td>-1563</td></tr> </tbody> </table>	Name	Top	Bottom	SAMPLE TOPS			Anhydrite	1553	+ 580	Base Anhydrite	1586	+ 547	Topeka	3143	-1010	Heebner	3352	-1219	Lansing	3390	-1257	Base Kansas City	3597	-1464	Arbuckle	3692	-1559	RTD	3696	-1563	E-LOG TOPS			Anhydrite	1551	+ 582	Base Anhydrite	1589	+ 544	Topeka	3143	-1010	Heebner	3351	-1218	Lansing	3389	-1256	Base Kansas City	3597	-1464	Arbuckle		Not on Log	LTD	3696	-1563
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DST #2 / 3527'-3657' (KC-Marm.) 30-30-30-30. Weak blow died in 20 min., rec. 10' mud.	IFP 32 - 32 ISIP 345	FFP 43 - 43 FSIP 226																																																										
DST #3 / 3636'-3696' (Arbuckle) 30-60-30-60. Strong blow, rec. 154' oil cut mud, 124' heavy oil and gas cut mud - 65% oil, 434' gassy oil.	IFP 86 - 216 ISIP 1055	FFP 280 - 313 FSIP 1012																																																										

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 1/4"	8 5/8"	24#	305.50'	Common	215	2% gel/3% cc
Production	7 7/8"	4 1/2"	10 1/2#	3693.50'	Mud Flush	10b.	75% CFR2
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
Two	At 1554' and squeeze-cemented off the Dakota Sandstone with 300 sacks			300 gal. of MOD-202 (15% HCl - 10% Acetic) ATP - 1/3 bbl. per min., MTR - 1/3 bbl. per min., ATP - 300#, MTP - 300#.			
TUBING RECORD Size 2 3/8" Set At 3691' Packer at N/A				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method						
Approx. Oct. 15, 1985	<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		
	50 Bbls	-0- MCF	Trace Bbls	CFPB			

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)

Used on Lease

RECEIVED BY
 MICHAEL J. MITCHELL
 PUBLIC NOTARY
 STATE OF KANSAS
 MY APPT. EXPIRES

Dually Completed
 Commingled