

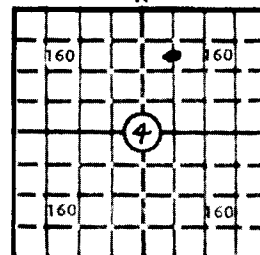
KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGState Geological Survey
WICHITA, BRANCH

4-35-12W

API No. 15 — 007 — 21108
County NumberS. 4 T. 35S R. 12 W
Loc. Center S $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$

County Barber

640 Acres
NLocate well correctly
1428

Elev.: Gr. _____

DF 1435 KB 1437

Operator Gulf Oil Corporation			
Address P.O. Box 12116, Oklahoma City, OK 73157			
Well No. 13-4	Lease Name School Trust		
Footage Location 990 feet from (N) line 660 feet from (W) line NE/4			
Principal Contractor Rains & Williamson Oil Co., Inc.		Geologist Ray Roberts	
Spud Date 03-07-81	Date Completed 04-25-81	Total Depth 4950	P.B.T.D. 4905
Directional Deviation -----		Oil and/or Gas Purchaser Unknown at present time	

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4"	8-5/8"	24	410'	H	125	16% Gel, 3% salt, 2% CaCl ₂
					H	100	2% CaCl ₂
Production	7-7/8"	5-1/2"	14	4950	H	50	16% gel, 3% salt
					50:50:2 pozmix	200	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			4	4"	4817-4830
TUBING RECORD					
Size	Setting depth	Packer set at			
2-3/8"	4741	-----			


ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized w/1000 gals 15% Demud acid.	4817-4830
Frac down tubing & casing annulus w/25,000 gals 1.5% gelled acid	---
water + 16,000# 20-40 sand and 21,500# 10-20 sand.	

INITIAL PRODUCTION

Date of first production 04-25-81		Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 54 bbls.	Gas 28 MCF	Water 78 bbls.	Gas-oil ratio 518.52	CFPB
Disposition of gas (vented, used on lease or sold) TO BE SOLD			Producing interval(s) 4817-4830 (Miss Chat)		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

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WELL LOG Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.																																																										
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;">NAME</th> <th colspan="2" style="width: 40%;">DEPTH</th> </tr> <tr> <td colspan="3" style="text-align: center;">---GEOLOGICAL MARKERS---</td> </tr> <tr> <td></td> <td style="text-align: center;">DEPTH</td> <td style="text-align: center;">SUBSEA</td> </tr> <tr><td>Oread</td><td style="text-align: center;">3679</td><td style="text-align: center;">-2242</td></tr> <tr><td>Heebner Shale</td><td style="text-align: center;">3832</td><td style="text-align: center;">-2395</td></tr> <tr><td>Toronto Lime</td><td style="text-align: center;">3855</td><td style="text-align: center;">-2418</td></tr> <tr><td>Douglas Shale</td><td style="text-align: center;">3897</td><td style="text-align: center;">-2460</td></tr> <tr><td>Lansing-KC</td><td style="text-align: center;">4154</td><td style="text-align: center;">-2717</td></tr> <tr><td>Stark Shale</td><td style="text-align: center;">4536</td><td style="text-align: center;">-3099</td></tr> <tr><td>Hush Shale</td><td style="text-align: center;">4566</td><td style="text-align: center;">-3129</td></tr> <tr><td>Hertha Lime</td><td style="text-align: center;">4581</td><td style="text-align: center;">-3144</td></tr> <tr><td>Pleasanton</td><td style="text-align: center;">4590</td><td style="text-align: center;">-3153</td></tr> <tr><td>Marmaton</td><td style="text-align: center;">4603</td><td style="text-align: center;">-3166</td></tr> <tr><td>Cherokee Shale</td><td style="text-align: center;">4748</td><td style="text-align: center;">-3311</td></tr> <tr><td>Cherokee Sand</td><td style="text-align: center;">4776</td><td style="text-align: center;">-3339</td></tr> <tr><td>Reworked Miss</td><td style="text-align: center;">4796</td><td style="text-align: center;">-3359</td></tr> <tr><td>Miss Chat</td><td style="text-align: center;">4817</td><td style="text-align: center;">-3380</td></tr> <tr><td>LTD</td><td style="text-align: center;">4936</td><td style="text-align: center;">-3499</td></tr> <tr><td>RTD</td><td style="text-align: center;">4950</td><td style="text-align: center;">-3513</td></tr> </table>	NAME	DEPTH		---GEOLOGICAL MARKERS---				DEPTH	SUBSEA	Oread	3679	-2242	Heebner Shale	3832	-2395	Toronto Lime	3855	-2418	Douglas Shale	3897	-2460	Lansing-KC	4154	-2717	Stark Shale	4536	-3099	Hush Shale	4566	-3129	Hertha Lime	4581	-3144	Pleasanton	4590	-3153	Marmaton	4603	-3166	Cherokee Shale	4748	-3311	Cherokee Sand	4776	-3339	Reworked Miss	4796	-3359	Miss Chat	4817	-3380	LTD	4936	-3499	RTD	4950	-3513
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Date Received	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 60%;"> <div style="text-align: center;">  Signature </div> <div style="text-align: center;"> Drilling Clerk Title </div> <div style="text-align: center;"> May 13, 1981 Date </div> </div> <div style="width: 35%; text-align: right;"> - Dorretta Moore </div> </div>																																																											

4-32-18