

\*CORRECTION

AFFIDAVIT AND COMPLETION FORM

ACO-1

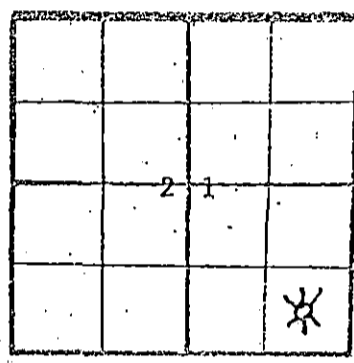
This form must be filed in triplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within five days after the completion of the well, regardless of how the well was completed. Circle one: Oil, gas, dry, SWD, OWNO, injection. Please type. Complete ALL sections. Applications must be filed for dual completion, commingling, salt water disposal and injection. Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.) KCC#-(316) 263-3238.

OPERATOR Graham-Michaelis Corporation API NO. 15-097-20,815-0000  
ADDRESS P. O. Box 247 COUNTY Kiowa  
Wichita, Kansas 67201 FIELD Thach  
\*\*CONTACT PERSON Jack L. Yinger LEASE Rose  
PHONE (316) 264-8394

PURCHASER Kansas Gas Supply WELL NO. 1-21  
ADDRESS P. O. Box 300 WELL LOCATION C SE SE  
Tulsa, Oklahoma 74102 660 Ft. from East Line and  
660 Ft. from South Line of  
the SE/4 SEC. 21 TWP. 29S RGE. 19W

DRILLING CONTRACTOR Slawson Drilling, Inc.  
ADDRESS 200 Douglas Building  
Wichita, Kansas 67202

PLUGGING CONTRACTOR \_\_\_\_\_  
ADDRESS \_\_\_\_\_



WELL PLAT  
(XXXXXX)  
or (Full)  
Section -  
Please  
indicate.

\* TOTAL DEPTH 5210' PBDT 5165'  
SPUD DATE 10/9/81 DATE COMPLETED 11/18/81  
ELEV: GR 2361 DF 2365 KB 2367

DRILLED WITH (~~XXXX~~) (ROTARY) (~~XXXX~~) TOOLS  
Report of all strings set - surface, intermediate, production, etc. (New)/(Used) casing.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
To protect fresh water	12-1/4"	8-5/8"	24#	627'	Common	350	2% gel, 3% c.c.
Production		4-1/2"	10.5#	5209'	Common	150	10% Salt

RECEIVED  
STATE CORPORATION COMMISSION

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2 shots/foot	CONSERVATION DIVISION Wichita, Kansas	5117 - 5122'
TUBING RECORD					
Size	Setting depth	Packer set at			
2-3/8"	5148'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD	
Amount and kind of material used	Depth interval treated
350 gallons 15% acid	5117 - 5122'

RECEIVED  
STATE CORPORATION COMMISSION

TEST DATE:		PRODUCTION		DEC 28 1981 12-28-81	
Date of first production	Producing method (flowing, pumping, gas lift, etc.)	CONSERVATION DIVISION	Gravity		
Shut in	Pumping and Flowing	Wichita, Kansas	0		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPS
	Est. 20 BO bbls.	400 MCF MCF	% 0 bbls.		
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Sold			5117 - 5122'		

\*\* The person who can be reached by phone regarding any questions concerning this information.  
A witnessed initial test by the Commission is required if the well produces more than 25 BOPD or is located in a Basic Order Pool.

AFFIDAVIT AND COMPLETION FORM

ACO-1

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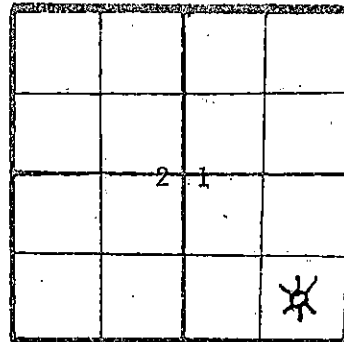
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 ADDRESS P. O. Box 247 COUNTY Kiowa  
Wichita, Kansas 67201 FIELD Thach  
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 ADDRESS 200 Douglas Building  
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PLUGGING CONTRACTOR \_\_\_\_\_  
 ADDRESS \_\_\_\_\_

TOTAL DEPTH 5120' PBDT 5165'  
 SPUD DATE 10/9/81 DATE COMPLETED 11/18/81  
 ELEV: GR 2361 DF 2365 KB 2367



WELL PLAT  
 (XXXXXX)  
 or (Full)  
 Section -  
 Please  
 indicate.

KCC ✓  
 KGS ✓

DRILLED WITH (~~XXXX~~) (ROTARY) (~~XXXX~~) TOOLS  
 Report of all strings set — surface, intermediate, production, etc. (New)/(Used) casing.

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ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD	
Amount and kind of material used	Depth Interval treated
350 gallons 15% acid	5117 - 5122'

**RECEIVED**  
**STATE CORPORATION COMMISSION**  
**DEC - 2 1981**  
**CONSERVATION DIVISION**  
**Wichita, Kansas**

TEST DATE:		PRODUCTION	
Date of first production Shut in	Producing method (Flowing, pumping, gas lift, etc.) Pumping and Flowing	A.P.I. Gravity	
RATE OF PRODUCTION PER 24 HOURS	Oil Est. 20 BO bbls.	Gas 400 MCF MCF	Water 0 bbls.
Disposition of gas (vented, used on lease or sold) Sold		Gas-oil ratio CFPB	
		Producing Interval (ft) 5117 - 5122'	

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 A witnessed initial test by the Commission is required if the well produces more than 25 BOPD or is located in a Basic Order Pool.

Name of lowest fresh water producing stratum \_\_\_\_\_ Depth \_\_\_\_\_  
 Estimated height of cement behind pipe \_\_\_\_\_ Surface \_\_\_\_\_

**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	NAME	DEPTH
Shale & Sand	0	1170	Heebnar	4304 (-1937)
Shale & Shells	1170	1200		
Sand & Shale	1200	1575	Marmaton	4946 (-2579)
Shale & Shells	1575	2065		
Shale	2065	2610	Mississippi	5112 (-2745)
Lime & Shale	2610	3155		
Shale & Lime	3155	3330		
Lime & Shale	3330	3705		
Shale & Lime	3705	3835		
Lime & Shale	3835	4180		
Shale & Lime	4180	4315		
Lime & Shale	4315	4580		
Shale & Lime	4580	4695		
Lime & Shale	4695	4880		
Shale & Lime	4880	4965		
Lime & Shale	4965	5026		
Lime	5026	5112		
Mississippi	5112	5210		
R.T.D.	5210			
DST #1 5071-5113 (corrected) 60-30-60-45. Gas to surface in 30 minutes. Maximum gauge 63.9 MCF. Recovered 130' gas cut mud. IFF 70-80#; FFP 50-60#; ISIP 1329#; FSIP 1522#.				
DST #2 - Packer failure.				
DST #3 - Packer failure.				
DST #4 5062-5130, 60-45-60-45. Gas to surface in 5 minutes. Maximum gauge 472 MCF. Recovered 960' total fluid: 480' gassy oil, 180' heavy gas cut mud, 120' heavy oil and gas cut mud, 180' salt water. IFF 239-312#; FFP 364-468#; ISIP 1527#; FSIP 1527#.				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

A F F I D A V I T

STATE OF Kansas, COUNTY OF Sedgwick SS,

Jack L. Yinger OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH, DEPOSES AND SAYS:

THAT HE IS Vice President FOR Graham-Michaelis Corporation OPERATOR OF THE Rose LEASE, AND IS DULY AUTHORIZED TO MAKE THIS AFFIDAVIT FOR AND ON BEHALF OF SAID OPERATOR, THAT WELL NO. 1 - 21 ON SAID LEASE HAS BEEN COMPLETED AS OF THE 18th DAY OF November 19 81, AND THAT ALL INFORMATION ENTERED HEREIN WITH RESPECT TO SAID WELL IS TRUE AND CORRECT.

FURTHER AFFIANT SAITH NOT.

SUBSCRIBED AND SWORN TO BEFORE ME THIS 24th DAY OF November 19 81

ALDINE M. JOHNSON  
 NOTARY PUBLIC  
 STATE OF KANSAS  
 My Appointment Expires:  
3-19-85

Aldine M. Johnson  
 NOTARY PUBLIC

MY COMMISSION EXPIRES: