

SIDE ONE

AFFIDAVIT OF COMPLETION FORM

10/13/81
FEB 1 1982 (REV) ACO-1
31-9-15W
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This form shall be filed in duplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ten days after the completion of the well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on side one will be of public record and side two will then be held confidential.

Circle one: Oil, Gas, Dry, SWD, OWWO, Injection. Type and complete ALL sections. Applications must be filed for dual completion, commingling, SWD and injection.

Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.).
KCC # (316) 263-3238. (Rules 82-2-105 & 82-2-125)

OPERATOR Graham-Michaelis Corporation

API NO. 15-141-20,116

ADDRESS P. O. Box 247

COUNTY Osborne

Wichita, Kansas 67201

FIELD _____

**CONTACT PERSON Jack L. Yinger

PROD. FORMATION Toronto & Lansing

PHONE (316) 264-8394

LEASE Hachmeister

PURCHASER Koch Oil Company

WELL NO. 2 - 31

ADDRESS P. O. Box 2256

WELL LOCATION Approx. SE SW SW

Wichita, Kansas 67201

340 Ft. from South Line and

DRILLING Revin Drilling, Inc.

1020 Ft. from West Line of

CONTRACTOR

ADDRESS P. O. Box 88

the SW/4 SEC. 31 TWP. 9S RGE. 15W

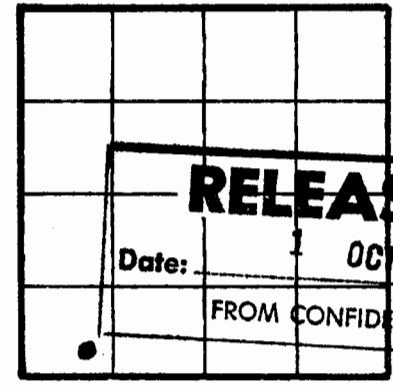
Russell, Kansas 67665

WELL PLAT

PLUGGING _____

CONTRACTOR _____

ADDRESS _____



KCC
KGS
(Office Use)

TOTAL DEPTH 3640' PBD 3537.80'

SPUD DATE 9/13/81 DATE COMPLETED 10/13/81

ELEV: GR 2012' DF _____ KB 2017'

DRILLED WITH (~~OPEN~~) (ROTARY) (~~API~~) TOOLS

Amount of surface pipe set and cemented 254' DV Tool Used? _____

RECEIVED

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
9,300 gallons 28% mud acid		Above perforations.
Date of first production Put on pump 10-20-81.		Producing method (flowing, pumping, gas lift, etc.) Pumping
Gravity		
RATE OF PRODUCTION PER 24 HOURS	Oil Test 10-12-81: Swb 2 BOPH/4hrs	Gas -
Disposition of gas (vented, used on lease or sold)	Water %	Gas-oil ratio bbis. CFPB
Perforations		3184-3452' OA

SIDE TWO

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
				31-9-15w
Rock	0	70	Heebner	3159 (-1142)
Shale	70	2607		
Shale & Lime	2607	2965	Lansing	3208 (-1191)
Lime	2965	3050		
Shale & Lime	3050	3140	Base K.C.	3465 (-1448)
Lime	3140	3150		
Shale & Lime	3150	3194	Conglomerate	3577 (-1560)
Lime	3194	3276		
Shale & Lime	3276	3276		
Lime	3276	3465		
Lime & Shale	3465	3580	Ran Petro-Log	Radiation Guard
Conglomerate	3580	3640	Log.	
R.T.D.	3640			
DST #1 3090-3154, 30-45-30-45; Recovered 145' mud. (Packer did not seat initially.) Had to set 2nd time. IFP 34-124; FFP 145-134; ISIP 969; FSIP 897.				
DST #2 3156-3198, 30-45-60-90; Recovered 15' mud; IFP 59-49; FFP 68-59; ISIP 275; FSIP 275.				
DST #3 3196-3280, 30-45-60-90; Recovered 65' mud with scum of oil on the tool. IFP 114-93; FFP 114-103; ISIP 559; FSIP 620.				
DST #4 3276-3319, 30-45-60-90; Recovered 682' GIP, 1178' free oil, 434' gassy muddy oil; IFP 290-352; FFP 446-549; ISIP 723; FSIP 743.				
DST #5 3335-3388, 30-45-30-45; Recovered 5' oil specked mud. IFP 31-31; FFP 31-31; ISIP 103; FSIP 62.				
DST #6 3379-3444, 30-45-30-45, Recovered 20' mud with scum of oil. IFP 88-88; FFP 88-98; ISIP 628; FSIP 628.				

Report of all strings set— surface, intermediate, production, etc. CASING RECORD (New) or (Used)

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 3/4"	8-5/8"	28#	254'	Common Quick	180	
Production	7-7/8"	4-1/2"	10.5#	3639'	Common	200	10% Salt, 5 sx salt flush

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			2 Shots/foot		3184 - 3452' OA
Size 2-3/8"	Setting depth 3537.80'	Packer set at			