

KANSAS DRILLERS LOG

State Geol. Survey
Samples on this well

S. 31 T. 32 R. 34 E W

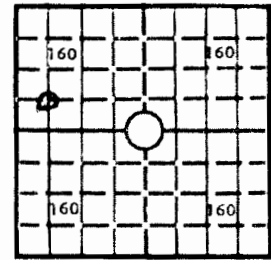
API No. 15 — 175 — 20,440 ✓
County Number

dup

Loc. N SW NW

County Seward

640 Acres
N



Locate well correctly

Elev.: Gr. 2931

DF _____ KB 2991 ²⁹⁷⁶

Operator
Mohawk Energy Corp.

Address
2401 Fourth National Bank Bldg. Tulsa, Okla 74119

Well No. #1-31 Lease Name Hitch

Footage Location
1980 feet from (N) line 660 feet from (W) line

Principal Contractor Gabbert-Jones, Inc. Geologist Bob Posey

Spud Date 1-15-80 Total Depth 6225' P.B.T.D.

Date Completed 3-10-80 Oil Purchaser Cities Service Co.

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"	23#	1726'	Howco Lt. Wt. Common	550 150	W/3% chloride 3% c.c.
Production	7-7/8	4-1/2"	10-1/2#	6220'	50/50 Posmix	250	W/12-1/2# Gilsonite per sack.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	jet d.p.	6140 - 6148'

TUBING RECORD		
Size	Setting depth	Packer set at
2-3/8"	6145'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gal. 15% MCA acid	6140-6148
4000 gal. MOD 202 acid W/800 gal. added methanol & flushed W/117 bbl. oil.	

INITIAL PRODUCTION

Date of first production 3-10-80 Producing method (flowing, pumping, gas lift, etc.) Swabbing

RATE OF PRODUCTION PER 24 HOURS
Oil 190 bbl./day bbls. Gas _____ MCF Water No bbls. Gas-oil ratio _____ CFPB

Disposition of gas (vented, used on lease or sold) _____ Producing interval(s) _____

RECEIVED
STATE CORPORATION COMMISSION
MAR 13 1980
CONSERVATION DIVISION
Wichita, Kansas

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, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. 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.

Operator

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. #1-31 Lease Name Hitch Oil

S 31 T 32 R 34 W Seward Co., Kansas

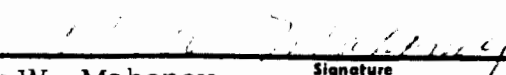
WELL LOG

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
	FROM	TO		
Csg. Hole	0	40	Heebner	4182 -1241
Sand-Shale-Redbed	40	1135	Toronto	4218 -1277
Glorietta Sand	1135	1237	Lansing	4292 -1351
Shale-Redbed-Sand	1237	1727	Marmaton	5002 -2061
Redbed-Sand	1727	1732	Cherokee	5192 -2251
Anhy-Shale	1732	1970	Morrow Shale	5618 -2677
Shale	1970	2260	Chester	5890 -2948
Lime-Shale	2260	2990	Chester Sand	6134-70 -3193
Shale-Dolomite	2990	3095	St. Genevieve	6178 -3237
Lime-Shale	3095	3327		
Lime-Dolomite	3327	3457		
Lime-Shale	3457	6142		
Lime-Sand	6142	6225		
TD		6225		

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

Date Received	<p style="text-align: center;">  Signature Troy W. Mahoney Vice President Title Date </p>
---------------	--

dup

15-175-20440

31-32-34W

GABBERT-JONES, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

Hitch #1-31
SW-NW Sec 31-32S-34W
Seward County Kansas

Commenced: 1-15-80

Completed: 1-31-80

OPERATOR: Mohawk Energy Corp.

Depth		Formation	Remarks
From	to		
0	40	Csg Hole	40' of 20" csg
40	1135	Sand-Shale-Redbed	
1135	1237	Glorietta Sand	
1237	1727	Shale-Redbed-Sand	
1727	1732	Redbed-Sand	Ran 43 jts of 23# 8 5/8" csg
1732	1970	Anhy-Shale	set @ 1726' Cemented w/
(970	2260	Shale	550 sks HL - 150 sks Common
2260	2990	Lime-Shale	3% CC PD @ 6:30 a.m. 1-17-80
2990	3095	Shale-Dolomite	
3095	3327	Lime-Shale	
3327	3457	Lime-Dolomite	Ran 146 jts of 10 1/4# 4 1/2" Csg
3457	6142	Lime-Shale	set @ 6220' Cemented w/
6142	6225	Lime-Sand	250 sks 50/50 Posmix
			12 1/2# Gilsonite per sack
			PD @ 9:45 a.m. 1-31-80

6225 - TD

STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)

I, the undersigned, being duly sworn on oath, state that the above Drillers' Well Log is true and correct to the best of my knowledge and belief and according to the records of this office.

GABBERT-JONES, INC.

James S. Sutton II
JAMES S. SUTTON II

Subscribed and sworn to before me this 5th day of February, 1980.

Elizabeth J. Edwards
ELIZABETH J. EDWARDS-NOTARY PUBLIC

My Commission expires February 6, 1983.