

15-007-20461

State Geological Survey
WICHITA, KANSAS

KANSAS DRILLERS LOG

API No. 15 — 007 — 20,461
County Number

S. 21 T. 32 R. 15 ^R/_W
Loc. 660' FNL & 1980' FWL
County Barber

Operator
~~Search Drilling Co.~~ Andover Oil Company

Address 912 Philtower Building Tulsa, Oklahoma 74103

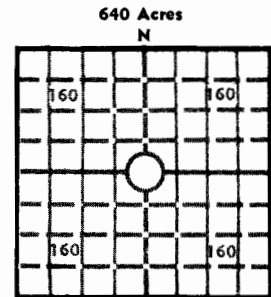
Well No. #2 Lease Name J. T. Marsh Trust

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

Principal Contractor Search Drilling Company Geologist Bob Sandridge

Spud Date 12-7-76 Total Depth 5275' P.B.T.D. 5273'

Date Completed 2-25-77 Oil Purchaser Derby Refining Company



Locate well correctly
Elev.: Gr. 1917.7
DF _____ KB 1928'

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"	28#	208'	Class "H"	225	3% cc, 1/4# cello-flakes per sk.
Production	8-1/2"	5-1/2"	14#	5275'	RFC	160	1% cc, 1/4# flakes

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1	.47" jet	5170-5190'
TUBING RECORD			1	.47" jet	4815-4844'
Size	Setting depth	Packer set at			
2-1/16"	4712'				
2-1/16"	5010'	5010'			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Fraced w/30,000 gal. YF4-PSD, 1% KCL, W-39 + 53,500# of 10/20 sand	4812-4894'
Acidized w/500 gal. 15% acid, W/20 PBS	5170-5190'
Acidized w/1500 gal. 15% HCL acid containing W-39 NE agent, 3,000 gal. mud acid (3% HF + 12% HCL) containing 300 gal. Dowanol EB (mutual solvent) + 1500 gal. of 5% HCL	4815-4844'

INITIAL PRODUCTION

Date of first production 2-9-77	Producing method (flowing, pumping, gas lift, etc.) Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil 1 bbls. Gas 620 MCF Water 73 bbls. Gas-oil ratio 620,000/1 CFPB
Disposition of gas (vented, used on lease or sold) Sold	Producing interval (s) Mississippi Chat 4815-44'

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.

erator

Andover Oil Company

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

Well No. 2	Lease Name J.T. Marsh Trust	Gas
---------------	--------------------------------	-----

S 21 T 32 R 15 ~~X~~ W

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
See attachments (drill stem test and driller's log)				

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

Date Received	<i>R.W. Baltz</i>
	Signature
	Production Engineer
	Title
	3-3-77
	Date

12-15-76 5000', sand & shale, made 143'/24 hours. M.W. 9.3,
Vis. 49, W.L. 16, 3# LCM, TMC \$4,076.00. DST #1
4819-4857'

<u>IH</u>	<u>IF</u>	<u>ISI</u>	<u>FF</u>	<u>FSI</u>	<u>FH</u>
2562	21#-31#-30 min.	1472# 60 min.	13#-41#- 90 min.	1555#-180 min.	2541#

BHT 112 degrees
GTS 62 min (32 min. of 2nd flow) 4.84 MCF @ end of test.
Recovered 50' of GCM

DRILLERS LOG

J. T. Marsh Trust #2

CASING RECORD:
8 5/8" set at 208'
w/ 225 sacks cement

OPERATOR: Sands Drilling Company

DESCRIPTION:

C NE NW
Section 21-32S-15W
Barber County,
Kansas

TOTAL DEPTH:

COMMENCED: December 6, 1976

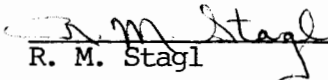
5275'

COMPLETED: December 18, 1976

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Clay and Shale	0	60	
Sand	60	80	
Shale	80	160	
Shale	160	220	
Sand and Shale	220	379	
Red Bed and Shale	379	1132	
Shale	1132	1903	
Shale and Lime	1903	2646	
Shale and Lime	2646	3223	
Lime and Shale	3223	3773	
Lime and Shale	3773	4218	
Lime and Shale	4218	4619	
Lime and Shale	4619	4857	
Lime	4857	4910	
Lime	4910	5000	
Lime and Shale	5000	5110	
Lime and Chert	5110	5139	
Lime	5139	5244	
Lime	5244	5275	
Rotary Total Depth	5275		Ran 128 joints new 5 1/2"-14# casing- cemented with 160 sacks RFC, 1% CC, plug down at 7:20 A.M.. Cementers Dowell.

I certify that this is a true and correct copy of the above log to the best of my knowledge.

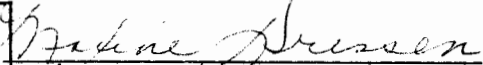
SEARCH DRILLING COMPANY


R. M. Stagl

Subscribed and sworn to before me this 20th day of December, 1976.

My commission expires:
February 19, 1977

MAXINE DRESSEN
NOTARY PUBLIC
SEDGWICK COUNTY, KANSAS
MY COMM. EXP. FEB. 19, 1977


Maxine Dressen Notary Public