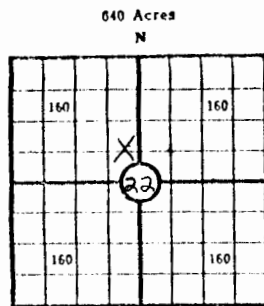


WELL RECORD

to Kansas Geological Survey, 4150 Monroe Street, Wichita, Kansas 67209)

API-15-039-20,232



Lease Name: Mapes Well No. 1
 Well Located: E/2 SE/4 NW/4
SEC 22 TWP 1S RGE 26W
 Operator: Abercrombie Drilling, Inc.
 Address: 801 Union Center, Wichita, Ks. 67202
 Elevation: Ground 2460 D.F. 2466 K.B. 2468
 Type Well: (Oil, gas, dry hole) Oil

Drilling Commenced: April 6, 1972 Drilling Completed: April 14, 1972
 Well Completed: 19 Total Depth
 Initial Production: State Test: 120 BOPD, no water (6-12-72)

Casing Record

Size: 8-5/8" Set at 206' Size: Set at
 Size: 5-1/2" Set at 3402' Size: Set at

Liner Record

Size: Set from To

Cementing

Casing Size	Sacks	Type Cement and Additives
<u>8-5/8"</u>	<u>165</u>	<u>Sunset</u>
<u>5-1/2"</u>	<u>50</u>	<u>50/50 posmix, 2% gel, 12# gilsonite per sack</u>
	<u>100</u>	<u>Common w/10% salt, 2% gel, 1% ca.cl., 4# frc. reducer.</u>

Perforations

Formation Perforated Interval and Number Shots

<u>Lansing</u>	<u>3302-3305 - 12 shots</u>
<u>Lansing</u>	<u>3290-3293 - 12 shots</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Electric Log Run (Show type log and depths covered)

Gamma Ray, Guard, Neutron, Caliper 1900-1990 & 3000-3578

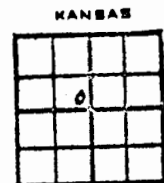
Show Drill Stem Tests,
Well Stimulation and
Production Tests

Formation	Top	Bottom	
Lansing	3222	3270	15" - 45" - 60" - 45" Recovered 120' muddy water & 160' mud IFP 32-43#, IBHP 885# FFP 86-151#, FBHP 820#, BHT 96°.
Lansing	3279	3330	15" - 45" - 60" - 45" Recovered 120' gas in pipe, 176' free oil, 62' muddy oil, and 62' HOCM, 34° gravity. IFP 31-38#, IBHP 1150#, FFP 63-117#, FBHP 1108#, BHT 96°.
Lansing	3317	3380	30" - 30" - 60" - 45" Recovered 110' heavy mud. IFP 42-42#, IBHP 679#, FFP 63-74#, FBHP 679#. BHT 97°
Lansing	3384	3458	30" - 30" - 30" - 30" Recovered 5' mud. IFP 36-36#, IBHP 117#, FFP 42-42#, FBHP 117#. BHT 99°.
Sand & G.W.	3545	3578	4" - 30" - 30" - 30" Recovered 1204' muddy water. IFP 74-76#, IBHP 941#, FFP 138-395#, FBHP 930#. BHT 101°
Perforated	3290	3293	
	3302	3305	A/1500 gal. Swab 10 bbls. hr./10 hrs., 45% water. Doc squeezed 100 sx. cement and 5 bbls. diesel. A/500 gal. Swab 10 to 12 bbls. fluid, 25% water.



JUN 23 1972

CONTRACTOR'S WELL LOG



22-1-26W
E/2 SE NW
API-15-039-20, 21, 22
L

OPERATOR: _____ Abercrombie Drilling, Inc.
CONTRACTOR: _____ Abercrombie Drilling, Inc.
WELL NAME: _____ MAPES #1
LOCATION: _____ E/2 SE/4 NW/4, Sec. 22-1S-26W
Decatur County, Kansas
GEOLOGIST: _____ Jack K. Wharton
SPUD DATE: _____ April 6, 1972
COMPLETION DATE: _____ April 14, 1972

0	108	Clay, Sand & Flint
108	1271	Shale
1271	1400	Sand
1400	1450	Sand & Shale
1450	1930	Shale & Sand
1930	1959	Anhydrite
1959	2495	Shale
2495	2800	Shale & Lime
2800	3078	Lime & Shale
3078	3095	Sand
3095	3270	Lime & Shale
3270*	3415	Lime
3415	3450	Lime & Shale
3450	3578	Lime
	3578	Rotary Total Depth

Drilled 216' of 12½" surface hole. Set 8-5/8" csg. at 206' cemented w/165 sx. Sunset cement. Cement circulated. Plug was down at 7:00 p.m. 4-6-72. Ran 5½" csg. set at 3402'. Cemented w/50 sx. 50/50 posmix, 2% gel, 12 lbs., gilsonite per sack followed w/100 sx. common cement w/10% salt, 2% gel, 1% c.c. and 4 lbs. friction reducer. Job completed at 10:15 a.m. 4-14-72.

ELECTRIC LOG TOPS

Anhydrite	1927 (+ 541)
B/Anhydrite	1957 (+ 511)
Heebner	3221 (- 753)
Toronto	3257 (- 789)
Lansing	3264 (- 796)
B/K.C.	3466 (- 998)
Sand	3568 (-1100)
B/Sand	3571 (-1103)
Granite Wash	3572 (-1104)
ELTD	3577 (-1109)

ELEVATION

2468 K.B.
2466 D.F.
2460 G.L.

LOG TOPS

ANHY	1927
B ANHY	1957
HEEB	3221
TOR	3257
LKC	3264
BKC	3466
PENN SD	3568
B PENN SD	3571
GR W	3572
LTD	3577
RTD	3578

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS

Jerry A. Langrehr, Vice President of Abercrombie Drilling, Inc., state that the above and foregoing is a true and correct copy of the log of the MAPES #1, Approx. E/2 SE/4 NW/4, Section 22-1S-26W, Decatur County, Kansas.