

JACK FORD LEASE 104.79 ACRES ± WELL NO. 1

FOX DOROTHY W
REVOCABLE TRUST
72.92 ACRES ±
(SURFACE)

MIDDLE
MARTHA ANN
McCONNELL
124.13 ACRES ±
(SURFACE)

JACK E. AND
CLARA A. FORD
88.47 ACRES ±
(SURFACE)

THELMA FORD ET AL
104.79 ACRES ±
(SURFACE)

THELMA FORD, ET AL
9.9 ACRES ±
(SURFACE)

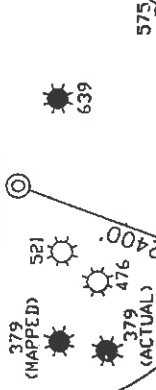
MARJE
WILLIAMS, ET AL
450 ACRES ±
(SURFACE)

WELL NO. 1
STATE PLANE
COORDINATES
(N) 301,287
(E) 1,636,596

FRANKIE RAYE
MONTGOMERY
45.67 ACRES ±
(SURFACE)

KEVIN NOWLIN
1.756 ACRES ±
(SURFACE)

WELL NO. 1



REFERENCES

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 2/20/04.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 233 AT PAGE 526.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN FEBRUARY, 2004.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER-MAPPING GRADE).

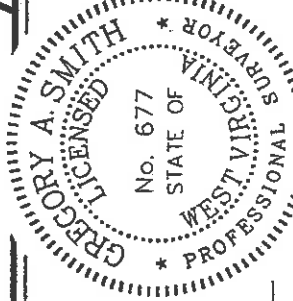
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
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I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE FEBRUARY 24, 20 04

OPERATORS WELL NO. JACK FORD NO. 1

API WELL NO. 47

STATE COUNTY PERMIT NO. 04834

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 5418P1 (160-52)

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 600'

WELL TYPE: OIL LIQUID WASTE IF GAS INJECTION DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW X

LOCATION:

ELEVATION 886' WATERSHED TRIBUTARY TO MIDDLE ISLAND CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER THELMA FORD ET AL

ROYALTY OWNER JACK FORD

PROPOSED WORK:

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD OTHER

FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION ALEXANDER

PHYSICAL CHANGE IN WELL (SPECIFY) ESTIMATED DEPTH 5,150'

WELL OPERATOR MURVIN AND MEIER OIL COMPANY

DESIGNATED AGENT P. NATHAN BOWLES, JR.

ADDRESS P.O. BOX 396 OLNEY, IL 62450

ADDRESS P.O. BOX 1237 CHARLESTON, WV 25325

COUNTY NAME

PERMIT



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

0000

4834

(Central Station 91) 6-6

0000 ± 2004

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Ford, Thelma et al Operator Well No.: J. Ford #1

LOCATION: Elevation: 886' Quadrangle: West Union 7.5'

District: West Union County: Doddridge
Latitude: 4830 Feet South of 39 Deg. 20 Min 00 Sec.
Longitude 9780 Feet West of 80 Deg. 45 Min 00 Sec.

Company: Murvin & Meier Oil Co.

Address: <u>P. O. Box 396</u>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>Olney, Illinois 62450</u>	<u>11 3/4"</u>	<u>131</u>	<u>131</u>	<u>88.5</u>
Agent: <u>P. Nathan Bowles, Jr.</u>				
Inspector: <u>Mike Underwood</u>	<u>8 5/8"</u>	<u>1077</u>	<u>1077</u>	<u>144</u>
Date Permit Issued: <u>06/01/2004</u>				
Date Well Work Commenced: <u>08/05/2004</u>	<u>4 1/2"</u>	<u>5261</u>	<u>5261</u>	<u>634.6</u>
Date Well Work Completed: <u>08/21/2004</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): <u>5,301'</u>				
Fresh Water Depth (ft.): <u>None</u>				
Salt Water Depth (ft.): <u>None</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>None</u>				

OPEN FLOW DATA

Producing formation Third Riley, Benson, Alexander Pay zone depth (ft) 4800' to 5177'

Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d

Final open flow 1400 MCF/d Final open flow show Bbl/d

Time of open flow between initial and final tests 24 Hours

Static rock Pressure 1250 psig (surface pressure) after 24 Hours

Second producing formation Warren, Bradford Pay zone depth (ft)

Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d

Final open flow 1400 MCF/d Final open flow show Bbl/d

Time of open flow between initial and final tests 24 Hours

Static rock Pressure 1250 psig (surface pressure) after 24 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATION INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: MURVIN & MEIER OIL CO
By: Gary L. Hill Exec Vice-Pres.
Date: August 24, 2004

RECEIVED
OFFICE OF OIL & GAS
Office of Chief
AUG 26 2004
WV Department of Environmental Protection

D000 4834

8/20/2004

Ran bond log and perforated Alexander formation from 5177' to 5129' with 14 holes. Cross link foam fractured perfs with 500 gals. FE acid, 213 bbbls. fluid, 543 MSCF nitrogen and 60,000 lbs 20/40 sand

Perforated Benson and Third Riley formations from 4845' to 4800' with 12 holes. Cross link foam fractured perfs with 500 gals. FE acid, 150 bbbls fluid, 400 MSCF nitrogen and 30,000 lbs 20/40 sand

Perforated Bradford formation from 4416' to 4394' with 13 holes. Cross link foam fractured perfs with 500 gals FE acid, 188 bbbls fluid, 342 MSCF nitrogen and 30,000 lbs 20/40 sand

Perforated Warren formation from 3364' to 3205' with 15 holes. Cross link foam fractured perfs with 750 gals FE acid, 204 bbbls fluid, 450 MSCF nitrogen, and 40,000 lbs 20/40 sand.

WELL LOG

Formation	Top	Bottom
KB-GL	0	10
Clay	10	20
Sand	20	40
Sand/Shale	40	65
Red Rock	65	108
Sand	108	135
Red Rock	135	138
Sand	138	146
Red Rock	146	154
Sand/Shale	154	221
Sand	221	251
Sand/Shale	251	288
Sand	288	307
Red Rock/Shale	307	339
Sand/Shale	339	764
Sand	764	802
Sand/Shale	802	862

SEP 1 7 2004

Sand	862	950
Sand/Shale	950	1320
Sand	1320	1410
Sand/Shale	1410	1779
Little Lime	1779	1791
Red Rock	1791	1812
Big Lime / Injun	1812	1979
Shale	1979	1990
Squaw	1990	2004
Shale	2004	2128
Weir	2128	2222
Shale	2222	2335
Berea	2335	2339
Shale	2339	2699
Fifth Sand	2699	2701
Shale	2701	3204
Warren	3204	3388
Shale	3388	4394
Bradford	4394	4417
Shale	4417	4799
Third Riley	4799	4802
Shale	4802	4845
Benson	4845	4848
Shale	4848	5112
Alexander	5112	5182
Shale	5182	5301

Total Depth 5301

SEP 17 2004

DODD 4834

