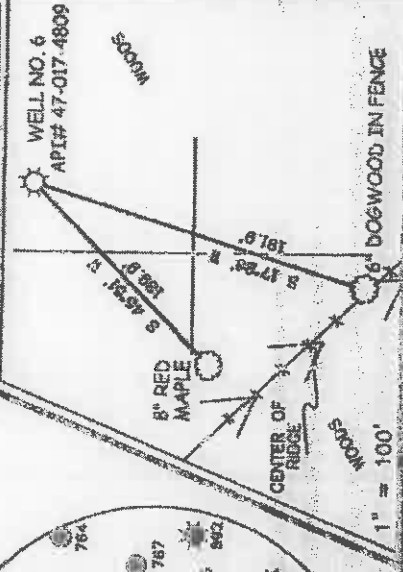


REFERENCES

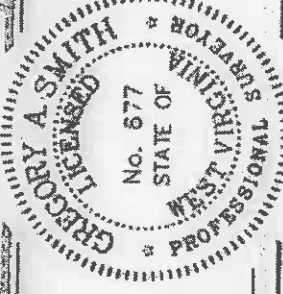


NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WY NORTH ZONE NAD 83.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10/14/13.
3. LEAST SQUARED SHOWN HEREON TAKEN FROM ADJACENT DEEDS AS REFERENCED HEREON.
4. THIS WELL WAS PREVIOUSLY PERMITTED 47-017-4809 IN FEBRUARY, 2004, AND HAS BEEN UPDATED OCTOBER, 2013, TO REFLECT NEW WELL SPOT AND CURRENT OWNERSHIP.
5. WELL LAT/LONGS ESTABLISHED BY GPS/SUBMETER MAPPING GRADE.
6. NO WATER WELLS WERE FOUND WITHIN 200 FEET OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS (GREATER THAN 2000 FEET) OR DWELLINGS WERE FOUND WITHIN 605 FEET OF CENTER OF PROPOSED WELL NO.



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 OCTOBER 22, 20 13
OPERATORS WELL NO. MARY WALTON NO. 6
API WELL NO. 47-017-04809 COUNTY PERMIT

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

MINIMUM DEGREE OF ACCURACY 1/260 FILE NO. 6104P6 (482-77) SCALE 1" = 500'
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

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

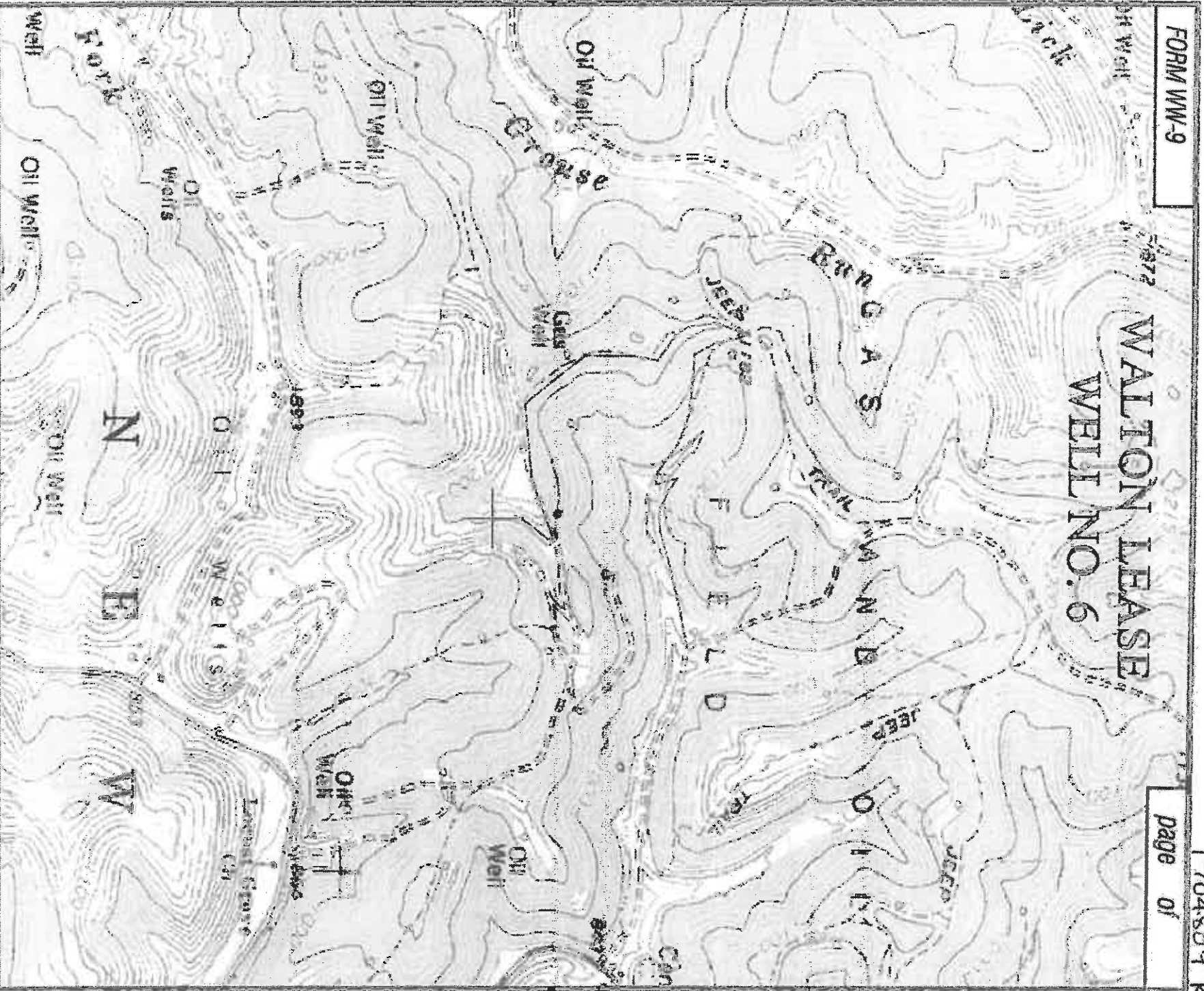
LOCATION: ELEVATION 1,303' WATERSHED LITTLE TOMS FORK
DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5'
SURFACE OWNER COASTAL TIMBERLANDS COMPANY ACREAGE 211.95± OF 232.29
ROYALTY OWNER MARY PHILLIPS HEIRS, ET AL LEASE ACREAGE 211.95± LEASE NO.

PROPOSED WORK:
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD
FORMATION PERFORATE NEW FORMATION X PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION INJUN
ESTIMATED DEPTH 2,231' TO 2,260'

COUNTY NAME PERMIT

WELL OPERATOR J.F. DEEM OIL AND GAS, LLC DESIGNATED AGENT FRANK DEEM
ADDRESS 4541 EMERSON AVENUE #1 FLOOR 2 ADDRESS 4541 EMERSON AVENUE #1 FLOOR 2
PARKERSBURG, WV 26104 PARKERSBURG, WV 26104 2/06/2013

WALTON LEASE WELL NO. 6



Professional Surveying Consultants
 ADVISORS TO LANDOWNERS
SLS
 SURVEYING & CONSULTING
 10000 S. 100th St., Suite 100
 Omaha, NE 68134
 (402) 426-1111

TOPO SECTION OF: NEW MILTON 7.5'
 FILE NO. 8104 DATE: 10/23/13 SCALE: 1"=1,000'

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: Mary Walton Operator Well No.: Six (6)

LOCATION: Elevation: 1205' Quadrangle: New Milton

District: New Milton County: Doddridge
Latitude: 14,020 Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude 2,820 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: J. F. Deem Oil & Gas LLC

Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
8-5/8	1236	1236	364 Cu Ft
4-1/2		5589	619 Cu Ft
Address: <u>4541 Emerson Avenue, #1 Parkersburg, WV 26104</u>			
Agent: <u>Frank Deem</u>			
Inspector: <u>Mike Underwood</u>			
Date Permit Issued: <u>03-22-04</u>			
Date Well Work Commenced: <u>01-18-05</u>			
Date Well Work Completed: <u>01-30-05</u>			
Verbal Plugging:			
Date Permission granted on:			
Rotary xx Cable Rig			
Total Depth (feet): <u>5637</u>			
Fresh Water Depth (ft.): <u>80</u>			
Salt Water Depth (ft.): <u>NR</u>			
Is coal being mined in area (N/Y)? <u>No</u>			
Coal Depths (ft.): <u>None</u>			

OPEN FLOW DATA

Alexander 5370-5483
Benson 5109-5117

Producing formation Riley Pay zone depth (ft) 4653-5025

Gas: Initial open flow 10 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 750 MCF/d Final open flow Show Bbl/d

Time of open flow between initial and final tests 8 Days ~~XXXX~~

Static rock Pressure 1520 psig (surface pressure) after 48 Hours

Balltown 3941-4345

Second producing formation Warren Pay zone depth (ft) 3504-3591

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

*All Formations Co-Mingled.

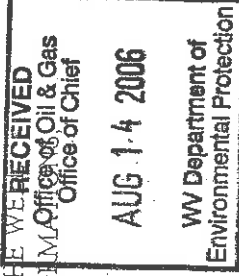
NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATION INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

Frank Deem

By: Frank Deem

Date: Aug 8, 2006



0000 4809

TREATMENT:

Stage #1: Alexander: 5375-5482 (14 Holes) 500 GA, 60,000# 20/40 Sand & 818 Bbls.
60 Quality Foam
Stage #2: Benson, 3rd & 2nd Riley: 4866-5112 (14 Holes) 750 GA, 30,000# 20/40 Sand &
529 Bbls. 60 Quality Foam
Stage #3: Riley & Lower Balltown: 4200-4666 (14 Holes) 750 GA, 5,000# 80/100 Sand &
25,000# 20/40 Sand and 619 Bbls. 60 Quality Foam
Stage #4: Warren: 3472-3944 (14 Holes) 750 GA, 5,000# 80/100 Sand & 40,000# 20/40 Sand
and 641 Bbls. 60 Quality Foam

FORMATIIONS:

Sand & Shale	0	-	35	
Sand	35	-	130	Water @ 80'
Red Rock & Shale	130	-	235	
Sand	235	-	290	
Red Rock, Sand & Shale	290	-	593	
Sand	593	-	620	
Red Rock, Sand & Shale	620	-	1972	
Sand	1972	-	2010	
Sand & Shale	2010	-	2070	
Little Lime	2070	-	2110	
Sand	2110	-	2125	
Big Lime	2125	-		
Injun	-	-	2280	
Sand & Shale	2280	-	3480	
Warren	3480	-	3500	
Sand & Shale	3500	-	4173	
Sand	4173	-	4183	
Sand & Shale	4183	-	5110	
Benson	5110	-	5130	
Sand & Shale	5130	-	5370	
Alexander	5370	-	5400	
Sand & Shale	5400	-	5637	
RTD	5637	-		

SEP 01 2008