

# MARY WALTON LEASE 211.95 ACRES ± WELL NO. 4

DANIEL M. SPENCE  
LIVING TRUST  
D.B. 247/51  
T.M. 11-PAR. 2  
185.5 AC±  
(SURFACE)

COASTAL LUMBER  
COMPANY  
D.B. 245/456  
T.M. 12-PAR. 1  
232.29 AC±  
(SURFACE)

ROBERT MILLER  
D.B. 182/69  
T.M. 12-PAR. 10.3  
16.034 AC±  
(SURFACE)

30" BLACK  
OAK  
(FOUND)

ZELMA HART  
D.B. 218/178  
T.M. 12-PAR. 7  
50.31 AC±  
(SURFACE)

SAMMY L. & SIURLEY  
JANE HOGUE  
D.B. 186/546  
T.M. 12-PAR. 9  
46.08 AC±  
(SURFACE)

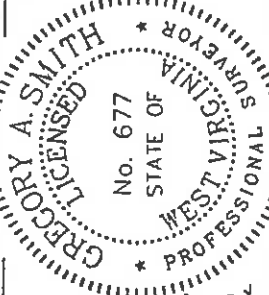
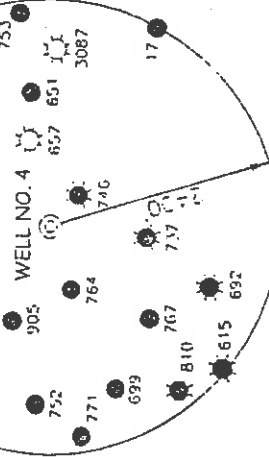
ROBERT K. & DORA B. PERKINS  
D.B. 220/295  
T.M. 12-PAR. 10.2  
56.90 AC±  
(SURFACE)

WELL NO. 4  
STATE PLANE  
COORDINATES  
(N) 262,751  
(E) 1,657,510

### NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WY NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 4/08/03.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM ADJOINER DEEDS AS REFERENCED HEREON.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN APRIL, 2003.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).

### REFERENCES



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. *Gregory A. Smith*  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE APRIL 22, 2003  
OPERATORS WELL NO. 4  
API WELL NO. 47-017-04737  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 5219P4 (140-57)  
PROVEN SOURCE SCALE 1" = 500'  
OF ELEVATION JUNCTION OF ROADS ELEVATION = 843'

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

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

LOCATION: ELEVATION 871' WATERSHED TRIBUTARY OF TOMS FORK  
DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5'  
SURFACE OWNER COASTAL LUMBER 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  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER \_\_\_\_\_  
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5,900'

WELL OPERATOR J. F. DEEM LLC DESIGNATED AGENT FRANK DEEM  
ADDRESS 5518 2ND AVE., VIENNA, WV 26105

COUNTY NAME DODD PERMIT 4737

134 Parlo Rico (Stout) 6-6

DATE: JUNE 15, 2003  
API #: 017-04737

*RB*

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

Well Operator's Report of Well Work

Farm name: WALTON, MARY Operator Well No.: 4

LOCATION: Elevation: 871' Quadrangle: NEW MILTON

District: NEW MILTON County: DODDRIDGE  
Latitude: 12,680' Feet South of 39 Deg. 15 Min. 00 Sec.  
Longitude: 120' Feet West of 80 Deg. 42 Min. 30 Sec.

Company: J. FRANK DEEM, LLC

Address	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
5518 2ND AVE.	11-3/4"	22'	22'	
VIENNA, WV 26105	8-5/8"	883'	883'	280 Cu. Ft.
Agent: <u>J. FRANK DEEM</u>	4-1/2"		5249'	581 Cu. Ft.
Inspector: <u>MIKE UNDERWOOD</u>				
Date Permit Issued:				
Date Well Work Commenced: <u>05-28-03</u>				
Date Well Work Completed: <u>06-10-03</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): <u>5300'</u>				
Fresh Water Depth (ft.): <u>35' &amp; 358'</u>				
Salt Water Depth (ft.): <u>NR</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>NONE</u>				

OPEN FLOW DATA

ALEXANDER 5061' - 5161'  
ELK 4914' - 4939'  
BENSON 4788' - 4797'

Producing formation 3RD RILEY Pay zone depth (ft) 4540' - 4546'  
Gas: Initial open flow 5 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 852 MCF/d Final open flow SHOW Bbl/d  
Time of open flow between initial and final tests 7 ~~HOURS~~ DAYS  
Static rock Pressure 1400 psig (surface pressure) after 16 Hours

RILEY 4330' - 4349' WARREN 3163' - 3278'  
Second producing formation BALLTOWN Pay zone depth (ft) 4016' - 4024'  
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

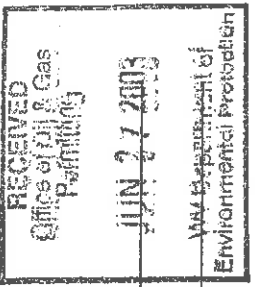
ALL FORMATIONS CO-MINGLED

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 FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Frank Deem  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

AUG 01 2003

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TREATMENT:

STAGE NO. 1: ALEXANDER & ELK ( 4923'-5137' ) 15 HOLES: 60,000 # 20/40 SAND, 500 GA & 814 BBLs. 60 QUALITY FOAM

STAGE NO. 2: BENSON AND 2ND & 3RD RILEY ( 4543'-4791' ) 13 HOLES: 30,000# 20/40 SAND, 750 GA & 524 BBLs. 60 QUALITY FOAM

STAGE NO. 3: RILEY & BALLTOWN ( 4018'-4332' ) 13 HOLES: 5,000# 80/100 & 25,000# 20/40 SAND, 750 GA & 614 BBLs. 60 QUALITY FOAM

STAGE NO. 4: WARREN ( 3170'-3276' ) 14 HOLES: 5,000# 80/100 & 40,000# 20/40 SAND, 750 GA & 645 BBLs. 60 QUALITY FOAM

FORMATONS:

			<u>GAS TEST:</u>
SHALE	0'-55'	WATER @ 35' - 1/2"	1998'
SS	55'-80'		N/S
SAND	80'-85'		3114'
SS/RR	85'-111'		4297'
SS	111'-142'		4765'
RR/SS	142'-180'		5013'
W. SAND	180'-246'		5300'
SS.	246'-267'		"
RR.	267'-298'		"
SD/SH	298'-460'	WATER @ 358' - 1-1/2"	
LIME	460'-474'		
SD/SH	474'-569'		
RR/SH	569'-598'		
SAND	598'-628'		
RR/SH	628'-659'		
SD/SH	659'-783'		
RR	783'-800'		
SAND	800'-817'		
SD/SH	817'-840'		
RR/SH	840'-866'		
SAND	866'-968'		
SD/SH	968'-1027'		
SAND	1027'-1092'		
SD/SH/RR	1092'-1217'		
SAND	1217'-1370'		
SD/SH	1370'-1514'		
SAND	1514'-1594'		
SD/SH	1594'-1686'		
LIME	1686'-1710'		
SD/SH	1710'-1770'		
L. LIME	1770'-1805'		
B. LIME	1805'-		
INJUN	1970'		
SD/SH	1970'-2103'		
SAND	2103'-2159'		
SD/SH	2159'-2310'		
SAND	2310'-2372'		
SD/SH	2372'-3540'		
BRN SD	3540'-3550'		
SD/SH	3550'-4700'		
BRN SD	4700'-4710'		
SD/SH	4710'-4800'		
BRN SD	4800'-4820'		
SD/SH	4820'-5060'		
BRN SD	5060'-5090'		
SD/SH	5090'-5100'		
BRN SD	5100'-5170'		
SD/SH	5170'-5300'		

? vapors 365

RTD