

**EQT PRODUCTION COMPANY  
J. FREEMAN LEASE  
95 ACRES±  
WELL NO. WV 513766**

**BOTTOM HOLE  
WELL NO. WV 513766  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD 27**  
N. 287,213.7  
E. 1,628,954.6  
LAT=(N) 39.281139  
LONG=(W) 80.810817  
UTM (NAD83)(METERS)  
N. 4,348,002.0  
E. 516,331.5

LEASE #  
107497

RALPH & JUDITH  
VALENTINE  
104.62 ACRES±

ANTHONY  
MANCUSO  
217.64 ACRES±

BOTTOM HOLE  
WELL NO.  
WV 513766

HICKORY  
FOUND

ALFRED D.  
PERINE  
1.91 ACRES±

ALFRED D.  
PERINE  
# ACRES±

A.A.  
ERVOLINA  
1.48 ACRES±

GAIL E. TUDOR  
19.77 ACRES±

CO. RT. 60/30 IN THIS AREA  
WAS FORMERLY KNOWN AS  
OLD US RT 60. PORTIONS OF  
WHICH WERE ALSO KNOWN AS  
OLD NORTHWEST TURNPIKE. A  
50 FOOT WIDE STRIP OF LAND  
CLAIMED IN FEE BY WYOH

CARY & PATRICIA  
MEANS  
32.63 ACRES±

LANDING POINT  
WELL NO. WV 513766  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD 27

N. 284,842.7  
E. 1,630,600.6  
LAT=(N) 39.274143  
LONG=(W) 80.806224  
UTM (NAD83)(METERS)  
N. 4,347,228.6  
E. 516,815.5

RULSY CHURCH  
1.9 ACRES±  
DB 64254

WV 1.9 ACRES±  
& PD 3 ACRES±  
1.06 ACRES±  
(PER TAX RECORDS)

ELEANOR MEYER  
349.75 ACRES±

WELL NO.  
WV 513766

LEASE #  
107497

TRUSTEES OF  
M.F. CHURCH  
3 ACRES±  
DB 22252

**WELL NO. WV 513766  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD 27**  
N. 283,142.9  
E. 1,629,133.3

LAT=(N) 39.269971  
LONG=(W) 80.809976  
UTM (NAD83)(METERS)  
N. 4,343,782.7  
E. 516,408.7

**REFERENCES**

- WV 513764
- H1-WV 513764
- H2-WV 513765
- H3-WV 513766
- H4-WV 513767
- H5-WV 513768
- H6-WV 513769

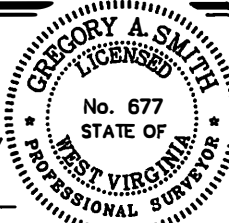
**NOTES ON SURVEY**

1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DB 41 PG 298, DB 112 PG 91, DB 10 PG 513 AND OTHER DEEDS/PLATS ON RECORD.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2012.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE TIE TO CORS NETWORK).



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 DECEMBER 18, 20 12  
OPERATORS WELL NO. WV 513766  
API H6A  
WELL NO. 47-17-06197  
STATE            COUNTY            PERMIT           

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 7748P513766R  
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

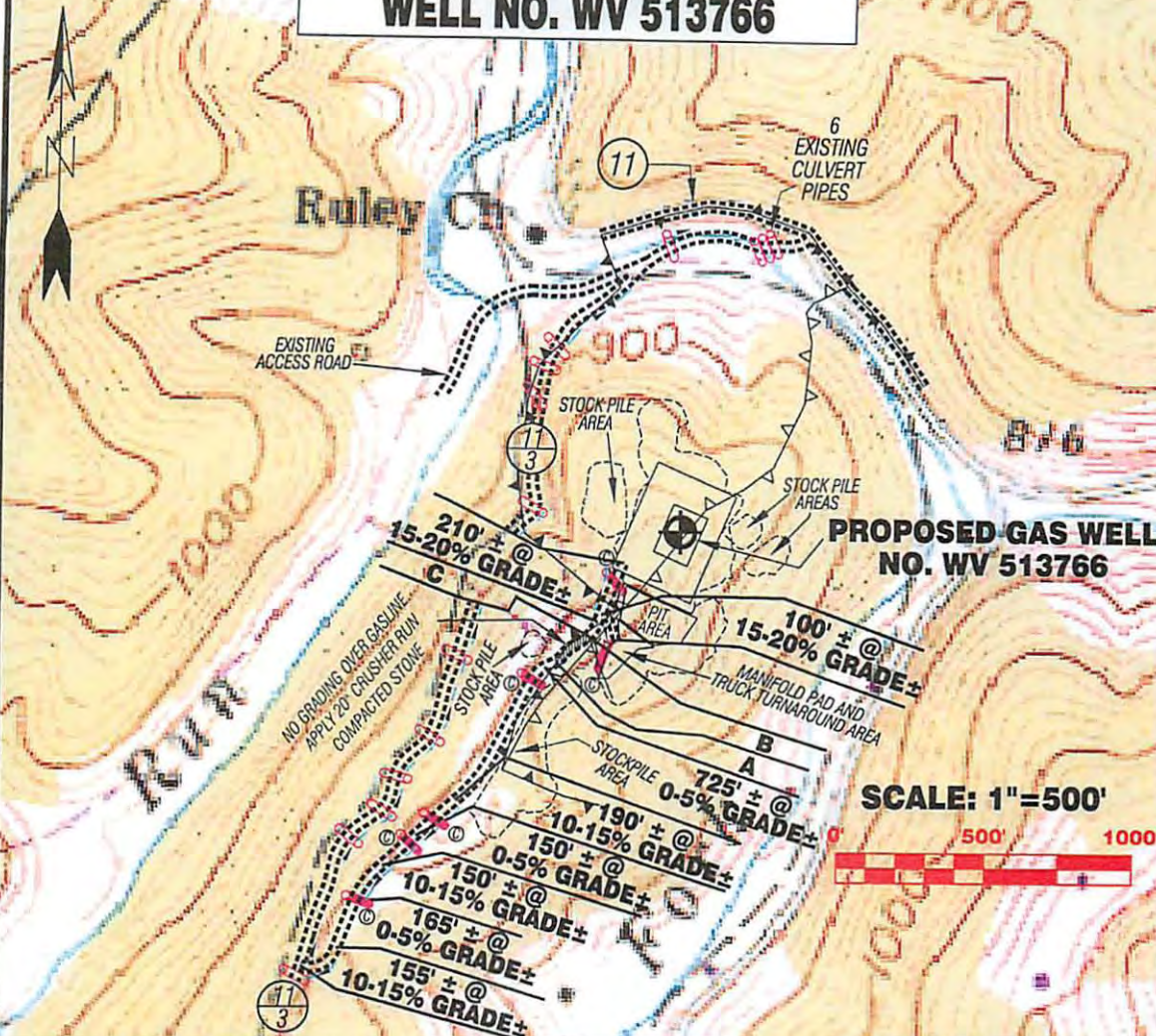
STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

WELL TYPE:	OIL	GAS	X	LIQUID INJECTION	WASTE DISPOSAL	IF "GAS" PRODUCTION	X	STORAGE	DEEP	SHALLOW	X
LOCATION:	ELEVATION <u>1,091'(GROUND) 1,068'(PROPOSED)</u> WATERSHED <u>MIDDLE RUN AND ARNOLD CREEK</u>										
DISTRICT	<u>WEST UNION</u>										
COUNTY	<u>DODDRIDGE</u>										
QUADRANGLE	<u>WEST UNION 7.5'</u>										
SURFACE OWNER	<u>ELEANOR MEYER</u>										
ACREAGE	<u>349.75±</u>										
ROYALTY OWNER	<u>J. FREEMAN HRS ET AL (95 AC.±) / LEWIS MAXWELL HEIRS (960 AC.±)</u>										
PROPOSED WORK:	LEASE NO. <u>107496/107497</u>										
DRILL	X	CONVERT	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE	X	PLUG OFF OLD FORMATION	PERFORATE NEW FORMATION	PLUG AND ABANDON	CLEAN OUT AND REPLUG	OTHER
PHYSICAL CHANGE IN WELL (SPECIFY)	TARGET FORMATION <u>MARCELLUS</u>										
ESTIMATED DEPTH											
WELL OPERATOR	<u>EQT PRODUCTION COMPANY</u>										
DESIGNATED AGENT	<u>REX C. RAY</u>										
ADDRESS	<u>115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330</u>										

COUNTY NAME  
PERMIT

04/26/2013

# EQT PRODUCTION COMPANY J. FREEMAN LEASE WELL NO. WV 513766

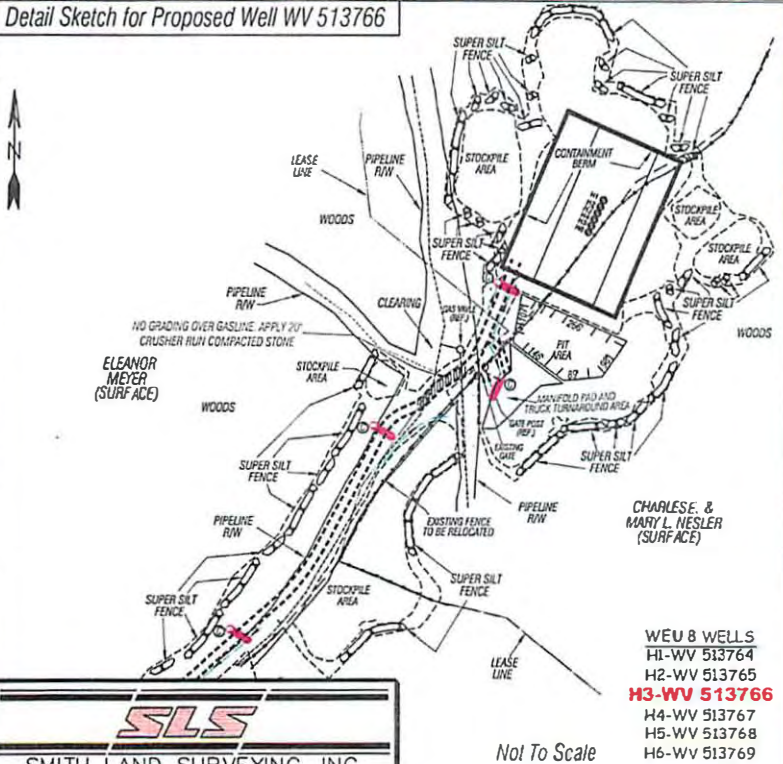


17-06197-146A

SCALE: 1"=500'



Detail Sketch for Proposed Well WV 513766



DISTANCE GRADE	
A	40± 10-15%
B	140± 5-10%
C	55± 10-15%

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEEDMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULTVERT AND CROSS DRAIN VALETS AND CULLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROMPT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL CROSS/CUT CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DRAINAGE STRUCTURE THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATIONS.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD SYSTEM CROSSINGS HAVE BEEN PREPARED (IF APPLICABLE).

WEU 8 WELLS  
H1-WV 513764  
H2-WV 513765  
**H3-WV 513766**  
H4-WV 513767  
H5-WV 513768  
H6-WV 513769

**SLS**  
SMITH LAND SURVEYING, INC.  
P.O. BOX 150 GLENVILLE, WV, 26351  
PH: (304) 462-5634 FAX: (304) 462-5656 E-MAIL: sls@sissurveys.com

DRAWN BY	FILE NO.	DATE	CADD FILE:
K.D.W.	7746	12/18/12	7746RECWW513765.dwg

TOPO SECTION OF WEST UNION 7.5' USGS TOPO QUADRANGLE

04/26/2013