

# EQT PRODUCTION COMPANY J. FREEMAN LEASE 95 ACRES ± WELL NO. WV 513767

**BOTTOM HOLE**  
WELL NO. WV 513767  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD 27  
N. 288,187.8  
E. 1,625,101.9  
LAT=(N) 39.283658  
LONG=(W) 80.824476  
UTM (NAD83)(METERS)  
N. 4,348,279.1  
E. 515,152.8

**LANDING POINT**  
WELL NO. WV 513767  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD 27  
N. 283,199.9  
E. 1,628,100.8  
LAT=(N) 39.270086  
LONG=(W) 80.813625  
UTM (NAD83)(METERS)  
N. 4,346,774.8  
E. 516,091.8

**WELL NO. WV 513767**  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD 27  
N. 283,129.2  
E. 1,629,127.1  
LAT=(N) 39.269939  
LONG=(W) 80.809997  
UTM (NAD83)(METERS)  
N. 4,346,758.5  
E. 516,404.8

- 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 299, 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).

**REFERENCES**

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

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 513767  
API WELL NO. 47-17-06198 H6A  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 7746P513767  
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

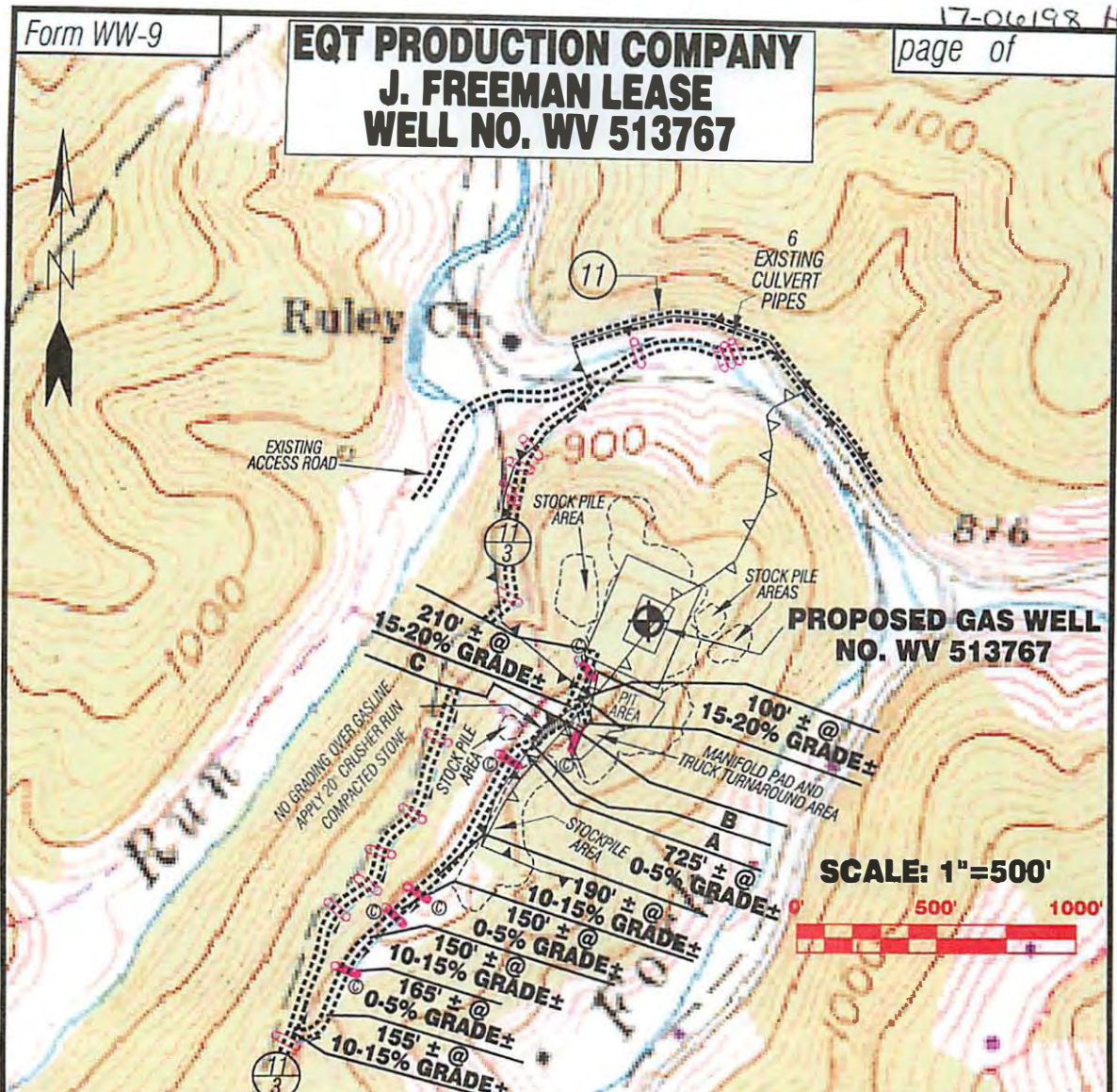
WELL TYPE: OIL  GAS  INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,090'(GROUND) 1,068'(PROPOSED) WATERSHED MIDDLE RUN AND ARNOLD CREEK  
DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'  
SURFACE OWNER ELEANOR MEYER ACREAGE 349.75±  
ROYALTY OWNER J. FREEMAN HRS ET AL (95 AC ±) / LEWIS MA WELL HEIRS (960 AC ±)  
PROPOSED WORK: LEASE NO. 107496/107497  
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 MARCELLUS ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

04/26/2013

# EQT PRODUCTION COMPANY J. FREEMAN LEASE WELL NO. WV 513767



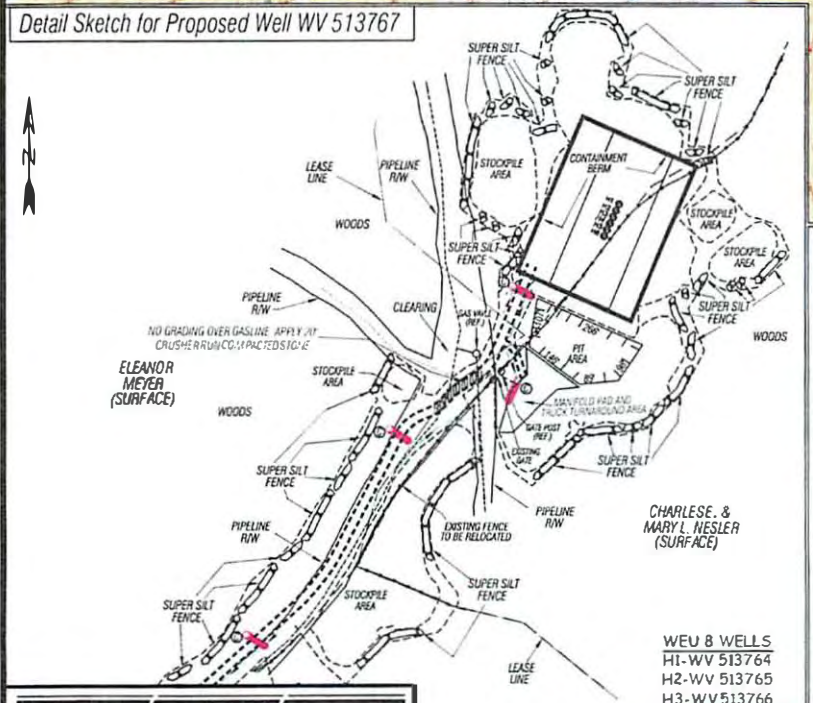
17-06198 H6A

**PROPOSED GAS WELL NO. WV 513767**

**SCALE: 1"=500'**



Detail Sketch for Proposed Well WV 513767



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

- 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@slsurveys.com  
 DRAWN BY: K.D.W. FILE NO.: 7746 DATE: 12/18/12 CADD FILE: 7746ECPW513767.dwg

Not To Scale

TOPO SECTION OF WEST UNION 7.5'  
USGS TOPO QUADRANGLE

ALL ROADS SHOWN WHERE THEY ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV DEP OR -MD GAS PIPELINE SAFETY ACT. STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV DOT REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS OPENINGS AND OUTLETS AS REQUIRED BY THE WV DEP OR MD GAS PIPELINE SAFETY ACT. FIELD CONDITIONS FROM OUTCROPPINGS AND BE CHECKED MAY PROHIBIT FURTHER EROSION CONTROL MEASURES. THESE CONDITIONS EXIST ASSUMING EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARLY WORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE DEP AND USGS OF ANY WORK TO ANY DEVIATION FROM THIS PLAN.

TEMPORARILY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STUMP ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PERMITS FOR THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).



04/26/2013