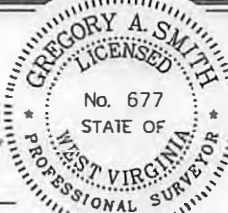


NOTES ON SURVEY

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).

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 DECEMBER 18, 20 12

OPERATORS WELL NO. WV 513769

API WELL NO. 47-17-6200H6A

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7746P513769

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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,090 (GROUND) 1,068 (PROPOSED) WATERSHED MIDDLE RUN AND ARNOLDS CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER ELEANOR MEYER ACREAGE 49.75±

ROYALTY OWNER J. FREEMAN HRS ET AL (95 AC ±) / LEWIS MAXWELL HEIRS (960 AC ±)

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

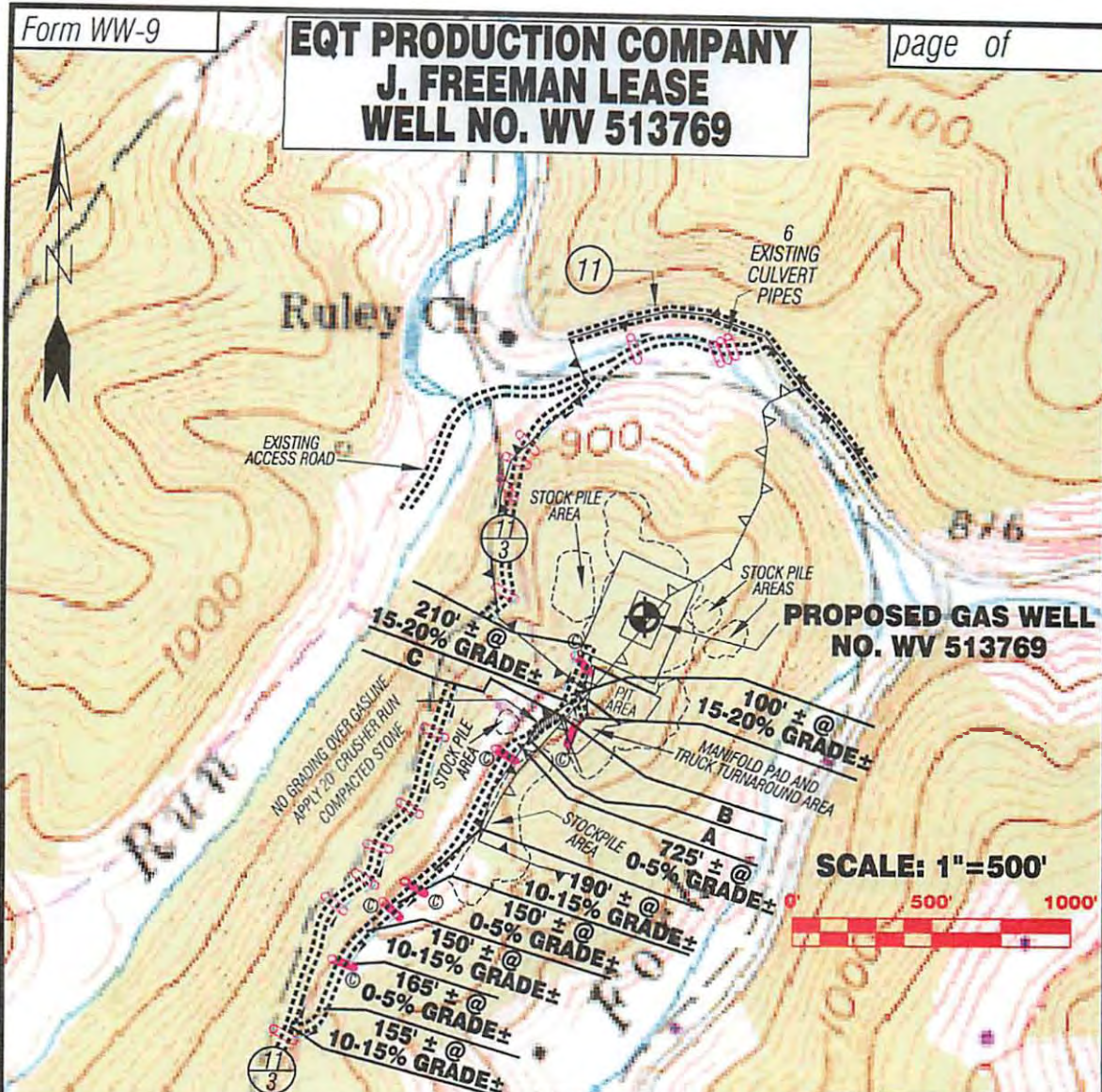
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS ESTIMATED DEP H _____

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

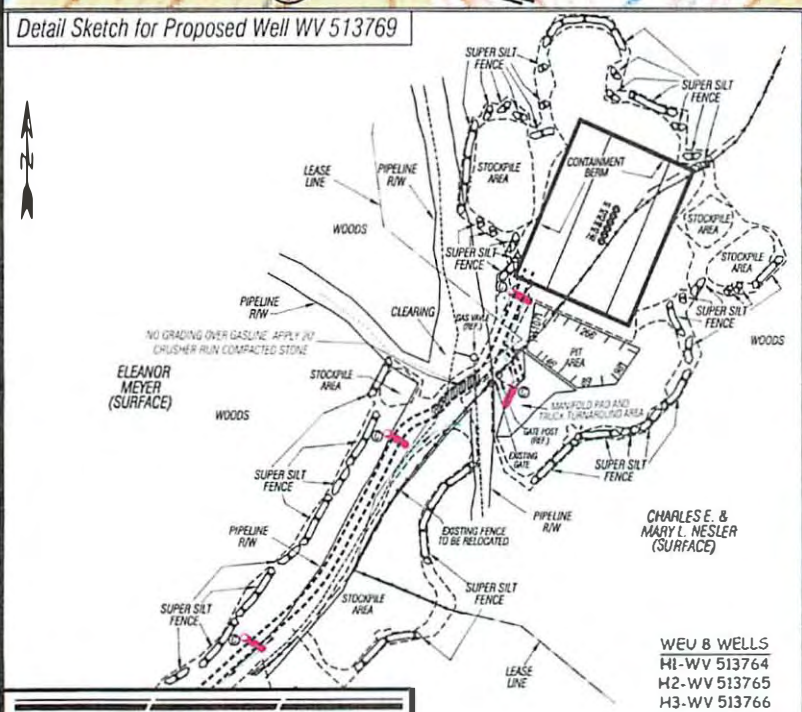
ADDRESS 115 PROFESSIONAL PLACE BRIDGEPORT, WV 26330 P.O. BOX 280 ADDRESS 115 PROFESSIONAL PLACE BRIDGEPORT, WV 26330 P.O. BOX 280

04/26/2013

**EQT PRODUCTION COMPANY
J. FREEMAN LEASE
WELL NO. WV 513769**



Detail Sketch for Proposed Well WV 513769



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.

SEDIMENT BASINS (TRAP 1) AND APPROPRIATE BROSSAM CONTROL BATHES ARE TO BE CONSTRUCTED AT ALL CULVERTS AND CROSS DRAIN WELLS AND OUTLET SALS REQUIRED BY THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CHECKS TO PROTECT CROPS AND BEDROCK MAY PROHIBIT NET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL BROSSAM CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS REQUIRED.

FIELDWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATIONS.

CUT & STACK ALL MARKETABLE TREES.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

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

- EXISTING CULVERT
- PROPOSED CULVERT 12" DIA UNLESS OTHERWISE NOTED
- PROPOSED STREAM CROSSING
- APPROXIMATE POINTS OF DISTURBANCE

- WV 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@slsurveyors.com

DRAWN BY K.D.W.	FILE NO. 7746	DATE 12/18/12	CADD FILE: 7746REC0513769.dwg
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TOPO SECTION OF WEST UNION 7.5' USGS TOPO QUADRANGLE

04/26/2013