

WELL NO. WV 514390
STATE PLANE COORDINATES
(NORTH ZONE) NAD '27

N. 277,495.1
E. 1,635,670.5

LAT=(N) 39.254725
LONG=(W) 80.786603

UTM (NAD83)(METERS)

N. 4,345,075.4
E. 518,428.9

TOM DAVIES, ET AL
1457.95 ACRES±

EQT PRODUCTION COMPANY LEWIS MAXWELL LEASE 2,654 ACRES± WELL NO. WV 514390

LANDING POINT
WELL NO. WV 514390
STATE PLANE COORDINATES
(NORTH ZONE) NAD '27

N. 276,981.9
E. 1,635,616.1

LAT=(N) 39.253314
LONG=(W) 80.786769

UTM (NAD83)(METERS)

N. 4,344,918.7
E. 518,412.9

BOTTOM HOLE
WELL NO. WV 514390
STATE PLANE COORDINATES
(NORTH ZONE) NAD '27

N. 272,885.4
E. 1,637,526.3

LAT=(N) 39.242143
LONG=(W) 80.779818

UTM (NAD83)(METERS)

N. 4,343,680.5
E. 519,015.7

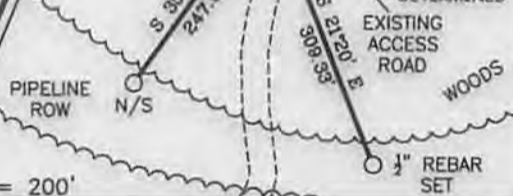
NOTES ON SURVEY

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 28 PG 177.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2013.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE TIE TO CORS NETWORK).
5. PLAT DATED 09/19/13 REVISED 12/02/13 TO CONCUR WITH DEP REGULATIONS.
6. NO WATER WELLS WERE FOUND WITHIN 250 FEET OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS (GREATER THAN 2500 SQUARE FEET) OR DWELLINGS WERE FOUND WITHIN 625 FEET OF CENTER OF PROPOSED WELL PAD.

REFERENCES

WEU49 WELLS

- H1-WV 514390
- H2-WV 514391
- H3-WV 514392
- H4-WV 514393
- H5-WV 514394
- H6-WV 514395
- H7-WV 515273
- H8-NOT YET DETERMINED



NORTH



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 03, 20 13
 OPERATORS WELL NO. WV 514390
 API WELL NO. 47-17-06443 H6A
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7871P514390R
 PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

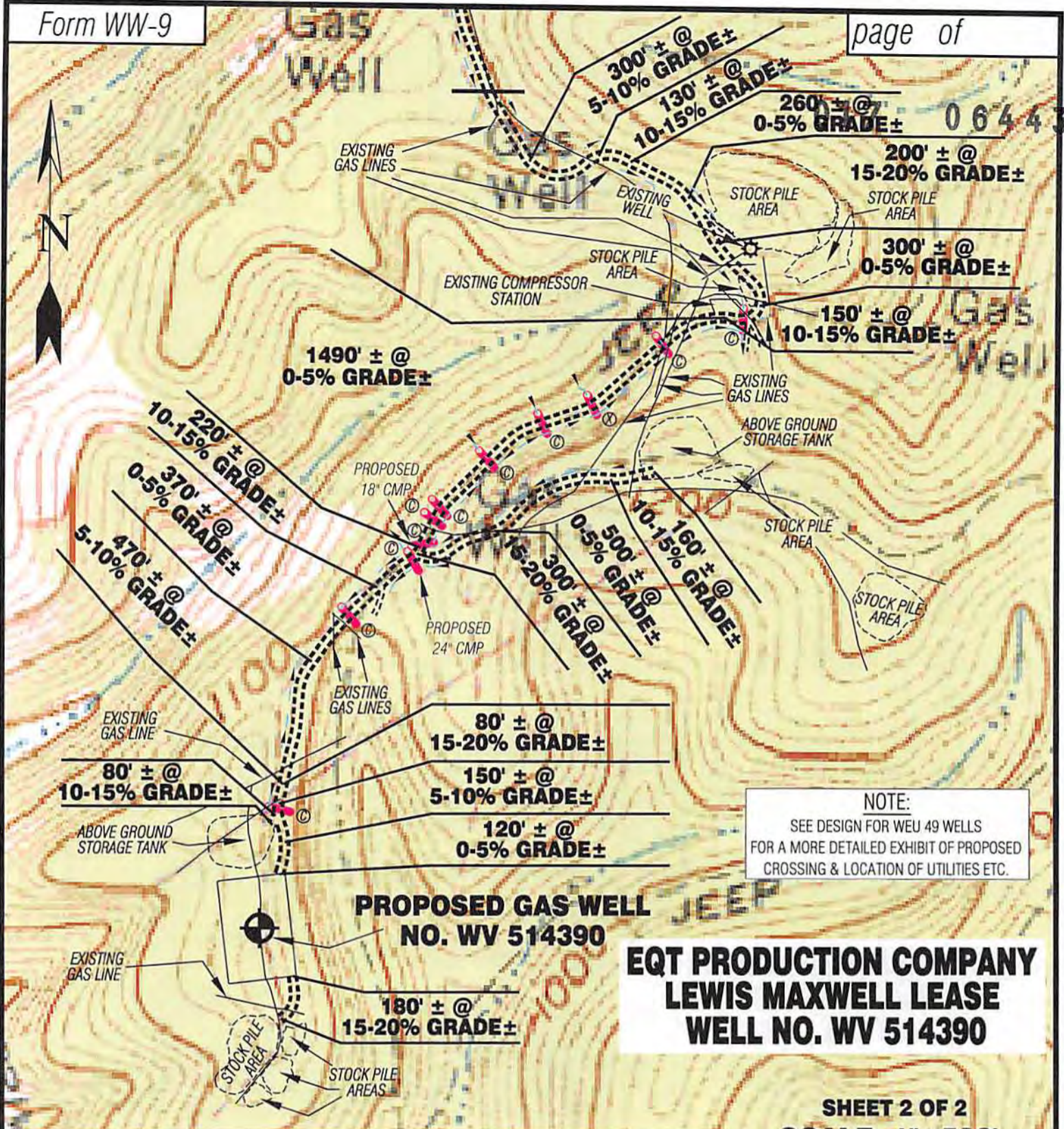
STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE: OIL	GAS <u>X</u>	LIQUID INJECTION	WASTE DISPOSAL	IF "GAS" PRODUCTION <u>X</u>	STORAGE	DEEP	SHALLOW <u>X</u>
LOCATION:							
ELEVATION	<u>1,166'(GROUND) 1,130'(PROPOSED)</u>	WATERSHED		<u>LEFT FORK OF ARNOLD CREEK</u>			
DISTRICT	<u>WEST UNION</u>	COUNTY	<u>DODDRIDGE</u>	QUADRANGLE	<u>WEST UNION 7.5'</u>		
SURFACE OWNER	<u>MARY FARR SECRIST</u>			ACREAGE	<u>829.75±</u>		
ROYALTY OWNER	<u>LEWIS MAXWELL HRS</u>			ACREAGE	<u>2654±</u>		
				LEASE NO.	<u>080616</u>		
DRILL <u>X</u>	CONVERT	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE <u>X</u>	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	<u>TVD 6648 THD 12,051</u>		

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

03/14/2014

COUNTY NAME PERMIT



NOTE:
SEE DESIGN FOR WEU 49 WELLS FOR A MORE DETAILED EXHIBIT OF PROPOSED CROSSING & LOCATION OF UTILITIES ETC.

**EQT PRODUCTION COMPANY
LEWIS MAXWELL LEASE
WELL NO. WV 514390**

**SHEET 2 OF 2
SCALE: 1"=500'**

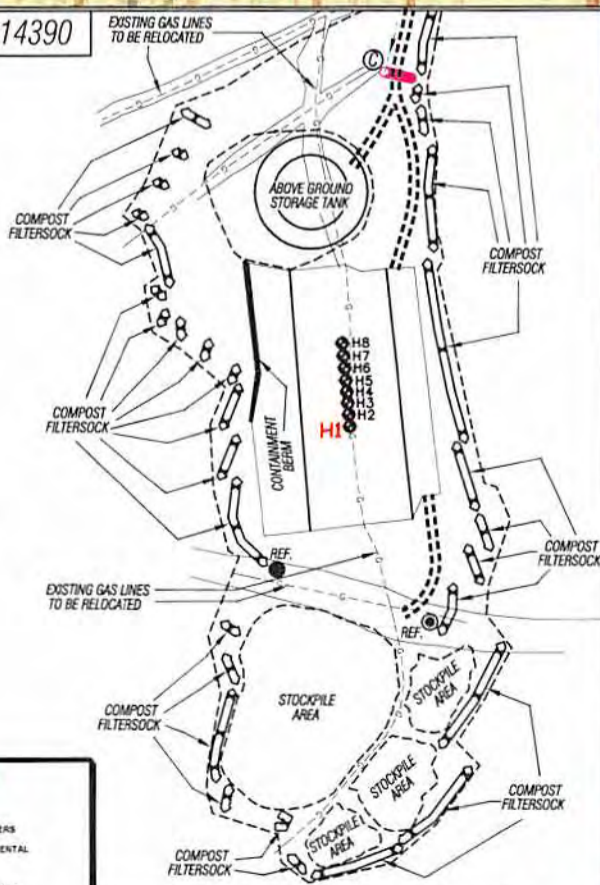


Detail Sketch for Proposed Well WV 514390

- WEU49 WELLS
H1-WV 514390
 H2-WV 514391
 H3-WV 514392
 H4-WV 514393
 H5-WV 514394
 H6-WV 514395
 H7-WV 515273
 H8- NOT YET DETERMINED

NOTE:
SEE DESIGN FOR WEU 49 WELLS FOR A MORE DETAILED EXHIBIT OF PROPOSED CROSSING & LOCATION OF UTILITIES ETC.

Not To Scale



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS 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 (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE STATE LAND AND GAS BMAP. ALL FIELD CONDITIONS (ROCKY CROPS AND BEDROCK) MAY PROHIBIT TRAPS BEING INSTALLED. WHEN THESE CONDITIONS ARE ENCOUNTERED, ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK 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 LOCATION

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

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

- = EXISTING CULVERT
- = PROPOSED CULVERT 15' MIN UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING
- = APPROXIMATE LIMITS OF DISTURBANCE

TOPO SECTION OF WEST UNION 7.5' USGS TOPO QUADRANGLE

03/14/2014

Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

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5606 Dille Bottom Road Shady Side, OH 43047 (740) 871-9911

HONESTY. INTEGRITY. QUALITY

DRAWN BY: K.D.W. FILE NO.: 7871 DATE: 12/04/13 CADD FILE: 7871PEC514390.dwg