

WELL NO. WV 514391
STATE PLANE COORDINATES
(NORTH ZONE) NAD 27

N. 277,510.0
E. 1,635,668.8

LAT=(N) 39.254766
LONG=(W) 80.786609

UTM (NAD83)(METERS)

N. 4,345,079.9
E. 518,426.3

TOM DAVIES, ET AL
1457.95 ACRES±

EQT PRODUCTION COMPANY LEWIS MAXWELL LEASE 2,654 ACRES± WELL NO. WV 514391

LANDING POINT
WELL NO. WV 514391
STATE PLANE COORDINATES
(NORTH ZONE) NAD 27

N. 277,396.1
E. 1,636,504.3

LAT=(N) 39.254486
LONG=(W) 80.783654

UTM (NAD83)(METERS)

N. 4,345,049.4
E. 518,681.4

BOTTOM HOLE
WELL NO. WV 514391
STATE PLANE COORDINATES
(NORTH ZONE) NAD 27

N. 273,535.2
E. 1,638,304.6

LAT=(N) 39.243957
LONG=(W) 80.777103

UTM (NAD83)(METERS)

N. 4,343,882.4
E. 519,249.5

NOTES ON SURVEY

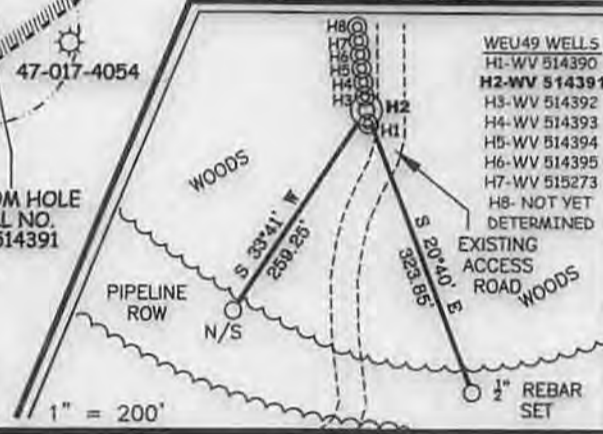
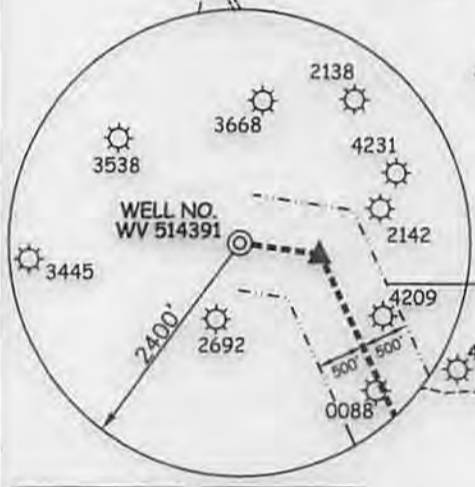
1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DB 28 PG 177.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 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. 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

13,440'



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 03 20 13
OPERATORS WELL NO. WV 514391
API WELL NO. 47-17-06444 H6A
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7871P514391
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

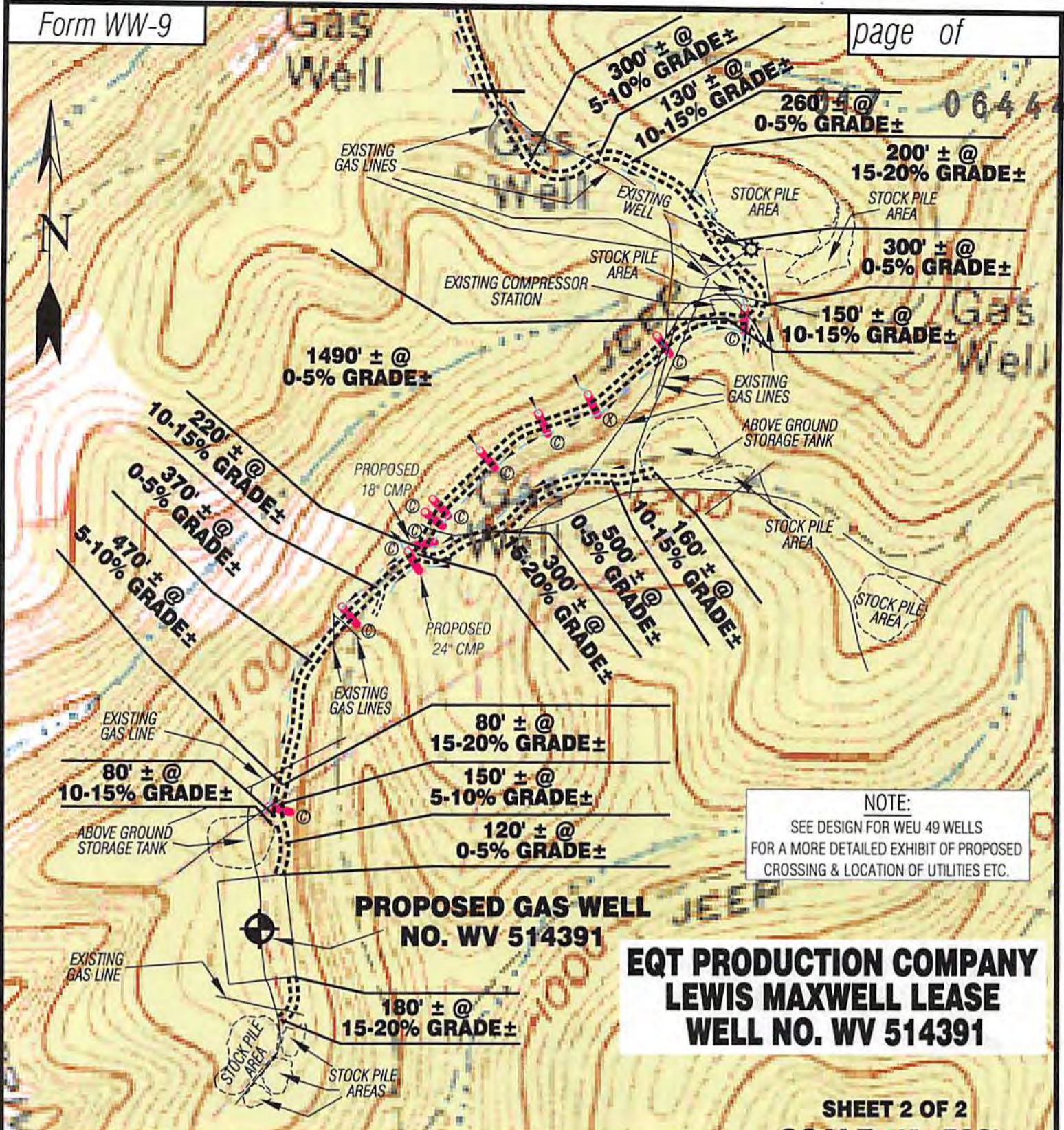
STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



WELL TYPE: OIL	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION	WASTE DISPOSAL	IF "GAS" PRODUCTION <input checked="" type="checkbox"/>	STORAGE	DEEP	SHALLOW <input checked="" type="checkbox"/>
LOCATION:	ELEVATION <u>1,165'(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 <input checked="" type="checkbox"/>	CONVERT	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE <input checked="" type="checkbox"/>	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 TMD 11,982</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



Detail Sketch for Proposed Well WV 514391

- 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

Professional Energy Consultants
 A DIVISION OF SMITH LAND SURVEYING

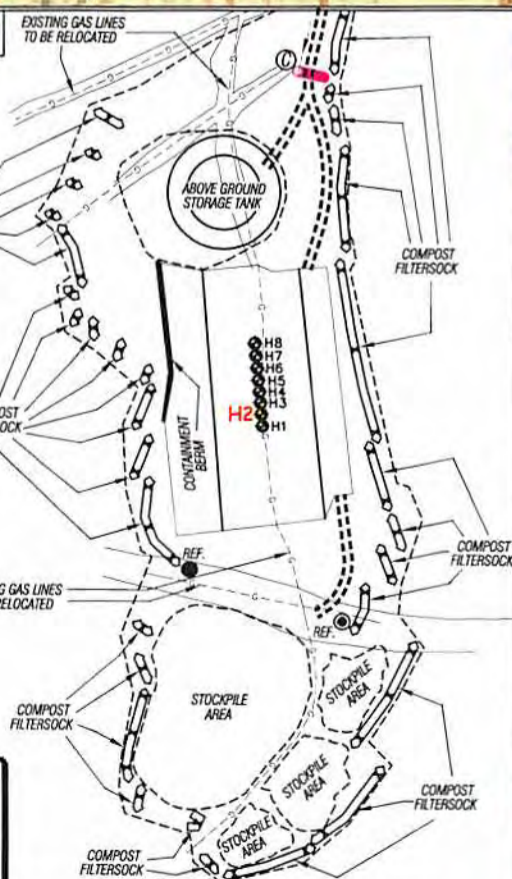
SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

228 West Main St. P.O. Box 150 Glenview, WV 26031 (304) 482-9034

35055 Drive Bottom Road ShadySide, OH 43047 (740) 671-9911

HONESTY. INTEGRITY. QUALITY

DRAWN BY: K.D.W. FILE NO.: 7871 DATE: 12/04/13 CADD FILE: 7871REC514391.dwg



TOPO SECTION OF WEST UNION 7.5' USGS TOPO QUADRANGLE



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. ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS ARE ENCOUNTERED, EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

Environmental Protection
 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

03/14/2014