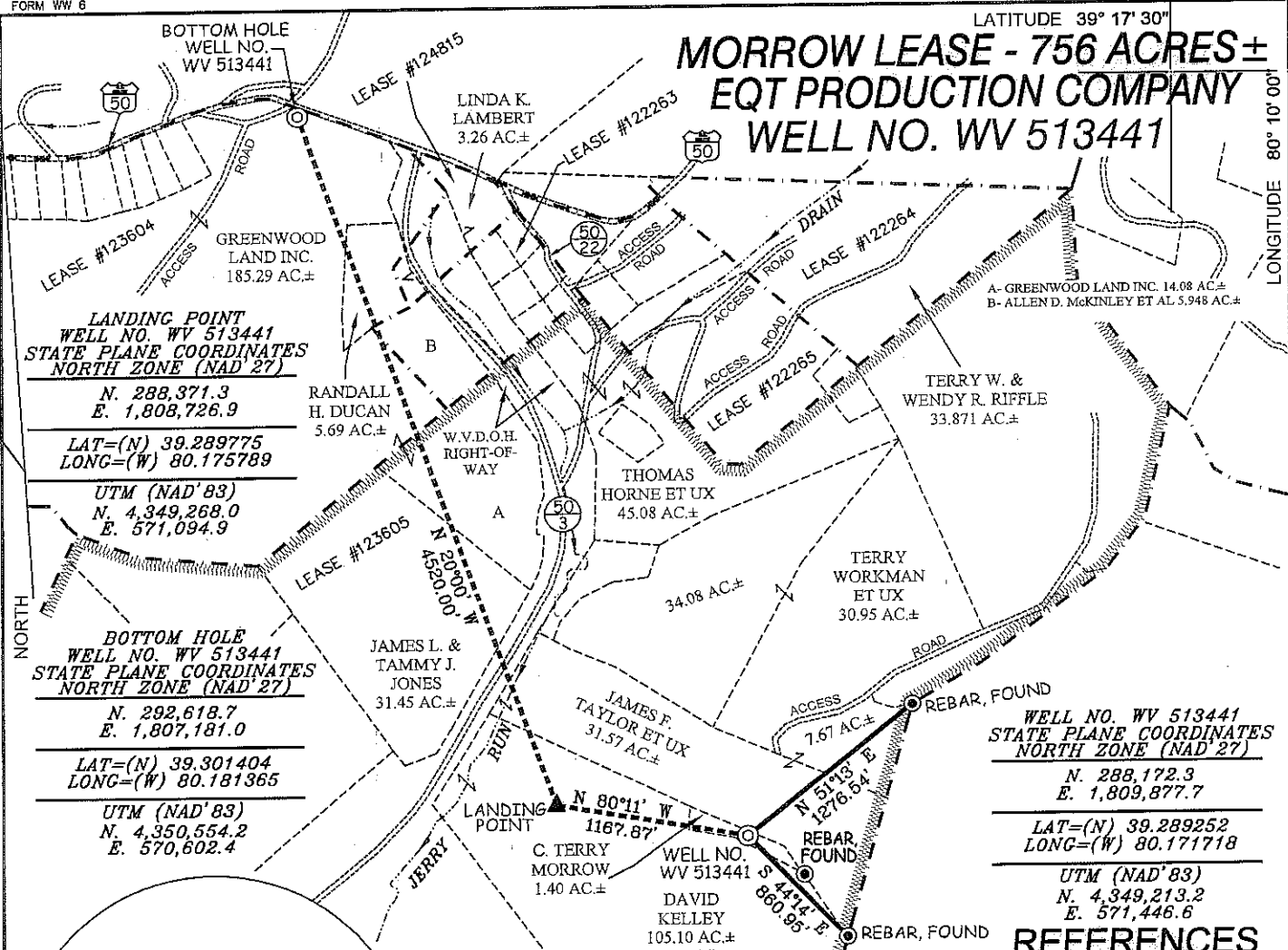


**MORROW LEASE - 756 ACRES±**  
**EQT PRODUCTION COMPANY**  
**WELL NO. WV 513441**



**LANDING POINT**  
**WELL NO. WV 513441**  
**STATE PLANE COORDINATES**  
**NORTH ZONE (NAD'27)**  
 N. 288,371.3  
 E. 1,808,726.9  
 LAT=(N) 39.289775  
 LONG=(W) 80.175789  
 UTM (NAD'83)  
 N. 4,349,268.0  
 E. 571,094.9

**BOTTOM HOLE**  
**WELL NO. WV 513441**  
**STATE PLANE COORDINATES**  
**NORTH ZONE (NAD'27)**  
 N. 292,618.7  
 E. 1,807,181.0  
 LAT=(N) 39.301404  
 LONG=(W) 80.181365  
 UTM (NAD'83)  
 N. 4,350,554.2  
 E. 570,602.4

A- GREENWOOD LAND INC. 14.08 AC±  
 B- ALLEN D. MCKINLEY ET AL 5.948 AC±

TERRY W. & WENDY R. RIFFLE  
 33.871 AC±

THOMAS HORNE ET UX  
 45.08 AC±

TERRY WORKMAN ET UX  
 30.95 AC±

JAMES L. & TAMMY J. JONES  
 31.45 AC±

JAMES F. TAYLOR ET UX  
 31.37 AC±

C. TERRY MORROW  
 1.40 AC±

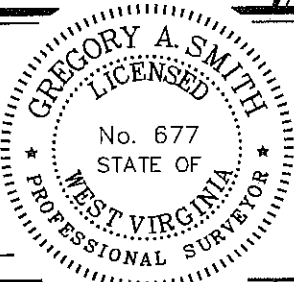
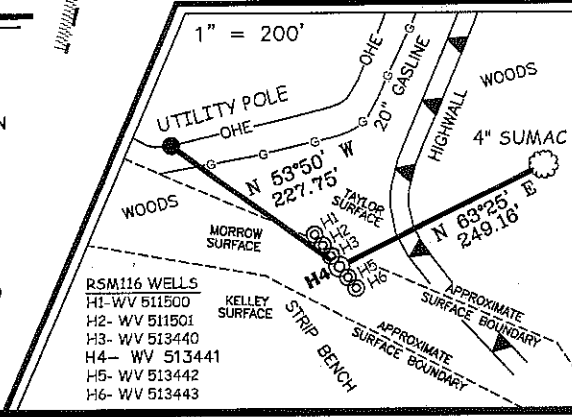
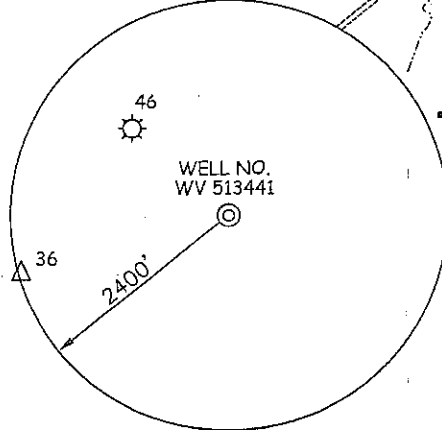
WELL NO. WV 513441  
 DAVID KELLEY  
 105.10 AC±

**WELL NO. WV 513441**  
**STATE PLANE COORDINATES**  
**NORTH ZONE (NAD'27)**  
 N. 288,172.3  
 E. 1,809,877.7  
 LAT=(N) 39.289252  
 LONG=(W) 80.171718  
 UTM (NAD'83)  
 N. 4,349,213.2  
 E. 571,446.6

**REFERENCES**

**NOTES ON SURVEY**

1. TIES TO WELLS, CORNERS & REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 159 PAGE 767, DEED BOOK 154 PAGE 327, DEED BOOK 288 PAGE 437, DEED BOOK 274 PAGE 130 & DEED BOOK 307 PAGE 325.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TAYLOR COUNTY IN JULY, 2010.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SURVEY GRADE).



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 OCTOBER 18, 20 11  
 OPERATORS WELL NO. WV 513441  
 API WELL NO. 47 - 091 - 01243H  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7161P513441R2 (329-42)  
 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 1,439' (GROUND) / 1,431' (PROPOSED) WATERSHED JERRY RUN OF SIMPSON CREEK

DISTRICT FLEMINGTON COUNTY TAYLOR QUADRANGLE ROSEMONT 7.5'

SURFACE OWNER C. TERRY MORROW ACREAGE 1.40±

ROYALTY OWNER PEGGY KNOTTS ET AL (756 AC±) / JAMES HARVEY & RUTH FORD TUCKER ET AL (396 AC±) / JACK E. MCKINNEY ET AL (17 AC±)

PROPOSED WORK: LEASE NO. 1236D5 / 123604 / 122263

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD

FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

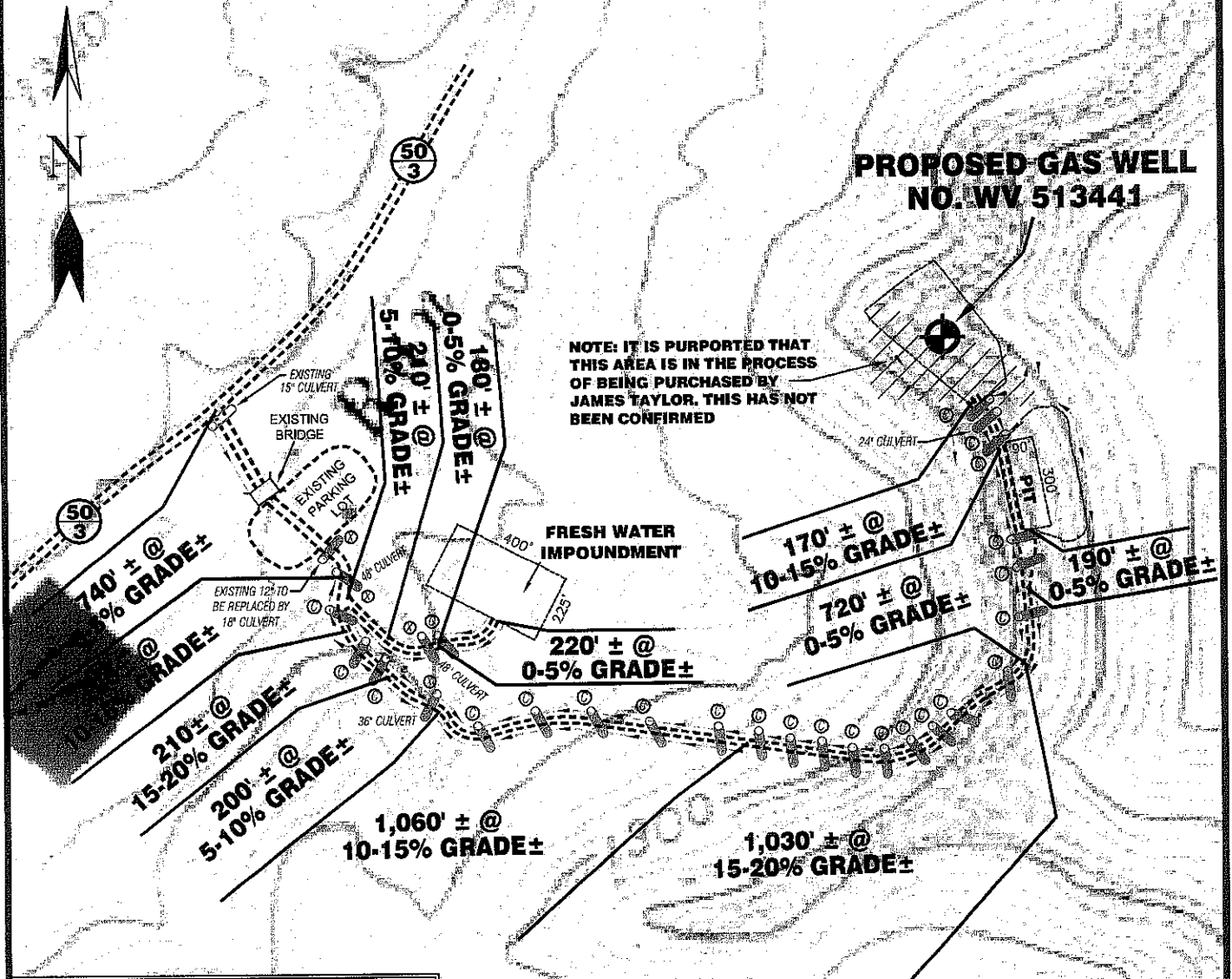
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS

ESTIMATED DEPTH \_\_\_\_\_

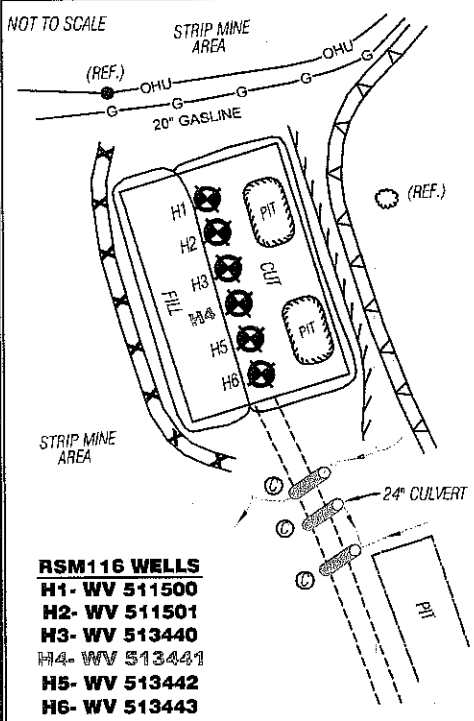
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE  
CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME PERMIT

# EQT PRODUCTION COMPANY MORROW LEASE WELL NO. WV 513441



Detail Sketch for Proposed Well WV 513441



RECEIVED  
Office of Oil & Gas  
SEP 08 2011

WV Department of  
Environmental Protection

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 (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT 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 EXIST 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).

SCALE: 1" = 500'



- = EXISTING CULVERT
- = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING (IF APPLIES) \*SEE TABLE FOR CULVERT DETAIL
- = EXISTING BROAD BASED DIP

TOPO SECTION OF USGS  
ROSEMONT 7.5' QUADRANGLE

**SLS**

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

DRAWN BY C.J.P.	FILE NO. 7161	DATE 09/08/11	CADD FILE: 7161REC\WV513441R.dwg
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