

LONGITUDE 80°45'00"

14,955'

**J. L. RUCKMAN LEASE**  
**100 ACRES±**  
**WELL NO. 1**  
**A.P.I. 47-051-00824-N**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
 NAD'27 S.P.C.(FT) N. 457,964 E. 1,647,361  
 NAD'27 GEO. LAT-(N) 39.750611 LONG-(W) 80.754222  
 NAD'83 UTM (M) N. 4,400,116 E. 521,072

- NOTES ON SURVEY**
1. TIES TO CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
  2. HIGHLIGHTED LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 592 AT PAGE 563.
  3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARSHALL COUNTY IN JULY, 2013.
  4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(MAPPING 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 APRIL 08, 20 14  
 REVISED \_\_\_\_\_, 20 \_\_\_\_  
 OPERATORS WELL NO. J. L. RUCKMAN NO.1  
 API WELL NO. 47 - 051 - 00824-N  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 8207P1  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 500'

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



**WELL TYPE:** OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ IF "GAS" PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

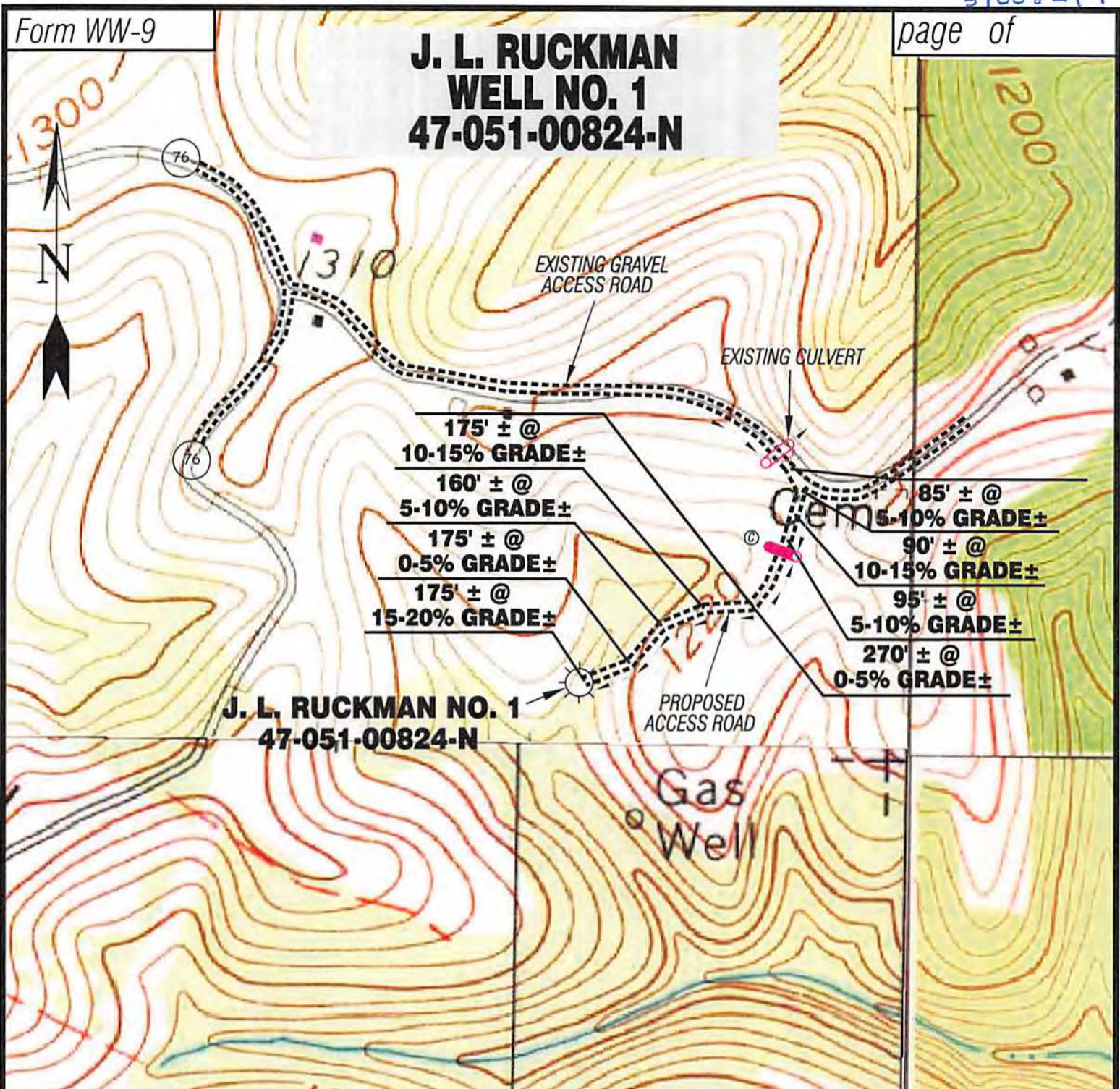
**LOCATION:**  
 ELEVATION 1,159' WATERSHED TRIBUTARY OF ROCKY FORK OF WHETSTONE CREEK  
 DISTRICT FRANKLIN COUNTY MARSHALL QUADRANGLE POWHATAN POINT 7.5'  
 SURFACE OWNER VICKI BOWEN ACREAGE 60.3±  
 ROYALTY OWNER VICKI L. BOWEN ET AL AND / OR ASSIGNS ACREAGE 100±

**PROPOSED WORK:**  
 DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ PLUG AND ABANDON X CLEAN OUT AND REPLUG \_\_\_ OTHER \_\_\_  
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION GORDON  
 ESTIMATED DEPTH 2,768'

WELL OPERATOR PERKINS OIL & GAS DESIGNATED AGENT CLINTON PERKINS  
 ADDRESS P.O. BOX 547 ADDRESS P.O. BOX 547  
 PENNSBORO, WV 26415 PENNSBORO, WV 26415

08/22/2014

# J. L. RUCKMAN WELL NO. 1 47-051-00824-N



Detail Sketch for J. L. RUCKMAN NO. 1  
47-051-00824-N



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).

— EXISTING CULVERT

⊙ — PROPOSED CULVERT 12" MIN UNLESS OTHERWISE NOTED

⊗ — PROPOSED STREAM CROSSING

— APPROXIMATE LIMITS OF DISTURBANCE

Not To Scale

**Professional Energy Consultants**  
A DIVISION OF SMITH LAND SURVEYING, INC.

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TOPO SECTION OF POWHATAN POINT  
7.5' USGS TOPO QUADRANGLE

08/22/2014