

**BOTTOM HOLE WELL NO. 1HC**  
**STATE PLANE COORDINATES (NORTH ZONE) (NAD27)**  
 N. 334,390  
 E. 1,660,675  
 LAT=(N) 39.41187  
 LONG=(W) 80.70091  
**UTM(NAD83)(METERS)**  
 N. 4,362,536  
 E. 525,755

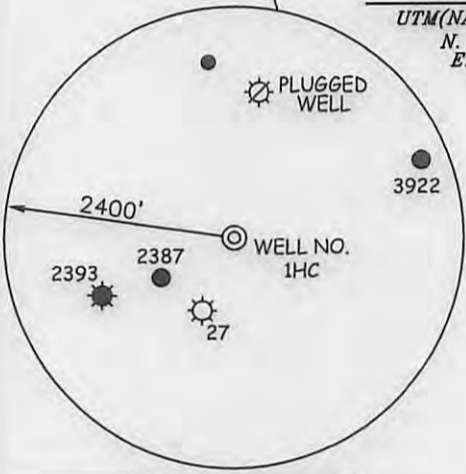
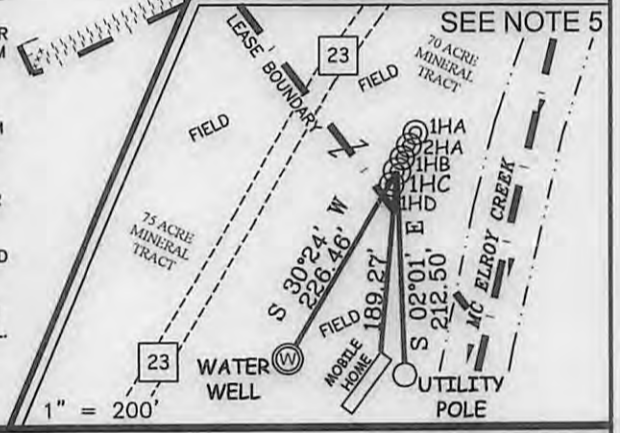
**LANDING POINT WELL NO. 1HC**  
**STATE PLANE COORDINATES (NORTH ZONE) (NAD27)**  
 N. 330,609  
 E. 1,662,622  
 LAT=(N) 39.40156  
 LONG=(W) 80.69393  
**UTM(NAD83)(METERS)**  
 N. 4,361,394  
 E. 526,368

**WELL NO. 1HC**  
**STATE PLANE COORDINATES (NORTH ZONE) (NAD27)**  
 N. 330,969  
 E. 1,664,348  
 LAT=(N) 39.40261  
 LONG=(W) 80.68784  
**UTM(NAD83)(METERS)**  
 N. 4,361,512  
 E. 526,892

**NOTES ON SURVEY**

1. TIES TO WELLS, REFERENCES AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE OPINION DATED 04/09/10 AS PREPARED BY HIGINBOTHAM & HIGINBOTHAM, PLLC AND DEED BOOK 125 ON PAGE 193.
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(SUBMETER MAPPING GRADE).
5. BASED ON CURRENT REGULATIONS A WAIVER IS REQUIRED TO PERMIT DUE TO SPACING TO MOBILE HOME & WATER WELL.

**REFERENCES**



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 20, 20 12  
 OPERATORS WELL NO. COFFMAN 1HC  
 API WELL NO. 47 - 17 - 06185 H6A  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7461P1HC (436-33)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) 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

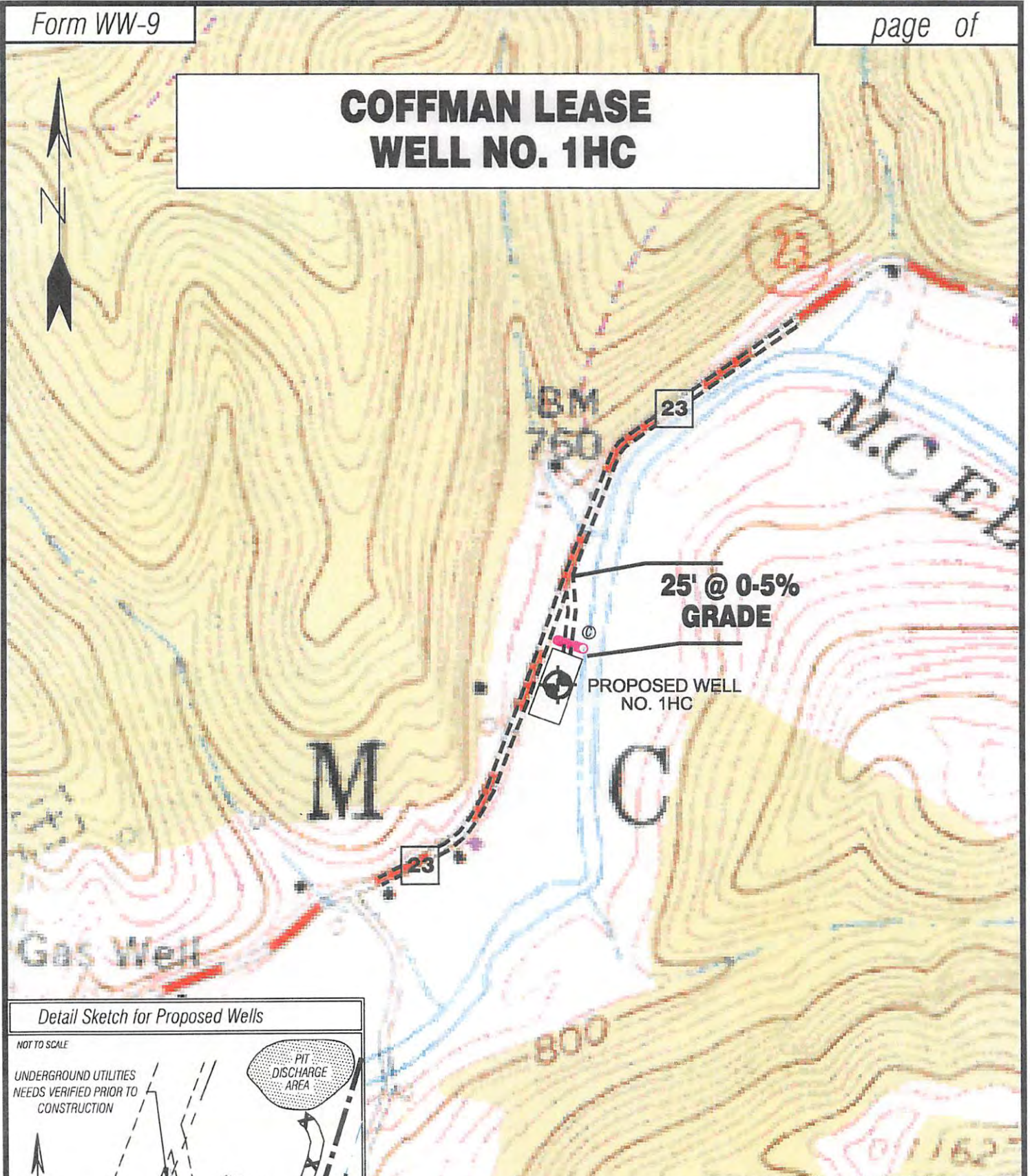
LOCATION: ELEVATION 753' WATERSHED MC ELROY CREEK  
 DISTRICT MC CLELLAN COUNTY DODDRIDGE QUADRANGLE CENTER POINT 7.5'  
 SURFACE OWNER CHRISTOPHER L. COFFMAN ACREAGE 107.94±  
 ROYALTY OWNER DONALD R. REYNOLDS ET AL (145 AC.±)/JOHN THOMAS SEESE ET AL (150 AC.±)/RUBY B. FENREBEE (39.93 AC.±)/MARY WELCH (108 AC.±)  
 PROPOSED WORK: LEASE NO. D302 / D301 / D304A / W237  
 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 8,000'

WELL OPERATOR JAY BEE OIL & GAS, INC. DESIGNATED AGENT RANDY BRODA  
 ADDRESS 1720 RT. 22, EAST UNION, NJ 07083 ADDRESS RT. 1 BOX 5 CAIRO, WV 26337

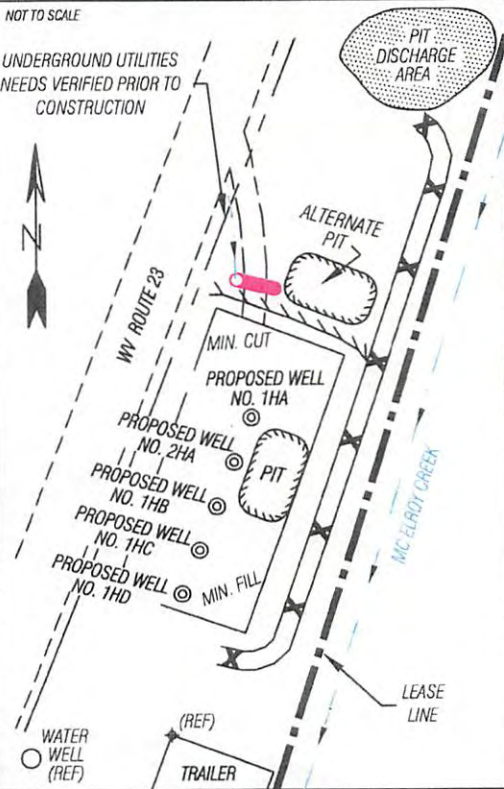
07/26/2013



# COFFMAN LEASE WELL NO. 1HC



### Detail Sketch for Proposed Wells



SCALE: 1"=500'

TOPO SECTION OF USGS  
CENTER POINT 7.5' QUADRANGLE

PROPOSED CULVERT INVENTORY  
(FOR BID PURPOSES ONLY)

12" (MINIMUM) CULVERTS      1

ADDITIONAL CULVERTS AND/OR OTHER DRAINAGE STRUCTURES & SEDIMENT CONTROL DEVICES MAY BE REQUIRED BY THE WV D.E.P. OIL & GAS INSPECTOR. OPERATOR IS RESPONSIBLE FOR COORDINATION WITH CONTRACTOR AND SLS REGARDING ANY CHANGES OR ADDITIONS THE STATE MAY REQUIRE.

### Projected Earthen Disturbance Area

Well Location Site	2.00 ac. +/-
Access Road	0.01 ac. +/-
Approximate Total Disturbance	2.01 ac. +/-

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 (IF APPLIES)  
\*SEE TABLE FOR CULVERT DETAIL      [Symbol] = CONSTRUCT BROAD BASED DIP



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DRAWN BY: K.D.W.      FILE NO.: 7461      DATE: 12/18/12      CADD FILE: 7461REC1HC.dwg