



west virginia department of environmental protection

Office of Oil and Gas
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
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March 07, 2016

FINAL INSPECTION REPORT

Horizontal Well Permit Cancelled

HARD ROCK EXPLORATION, INC.,

The FINAL INSPECTION REPORT for the CANCELLED permit, API Well Number: 47-3503004, issued to HARD ROCK EXPLORATION, INC., and listed below has been received in this office. The permit has been cancelled as of 3/1/2016.

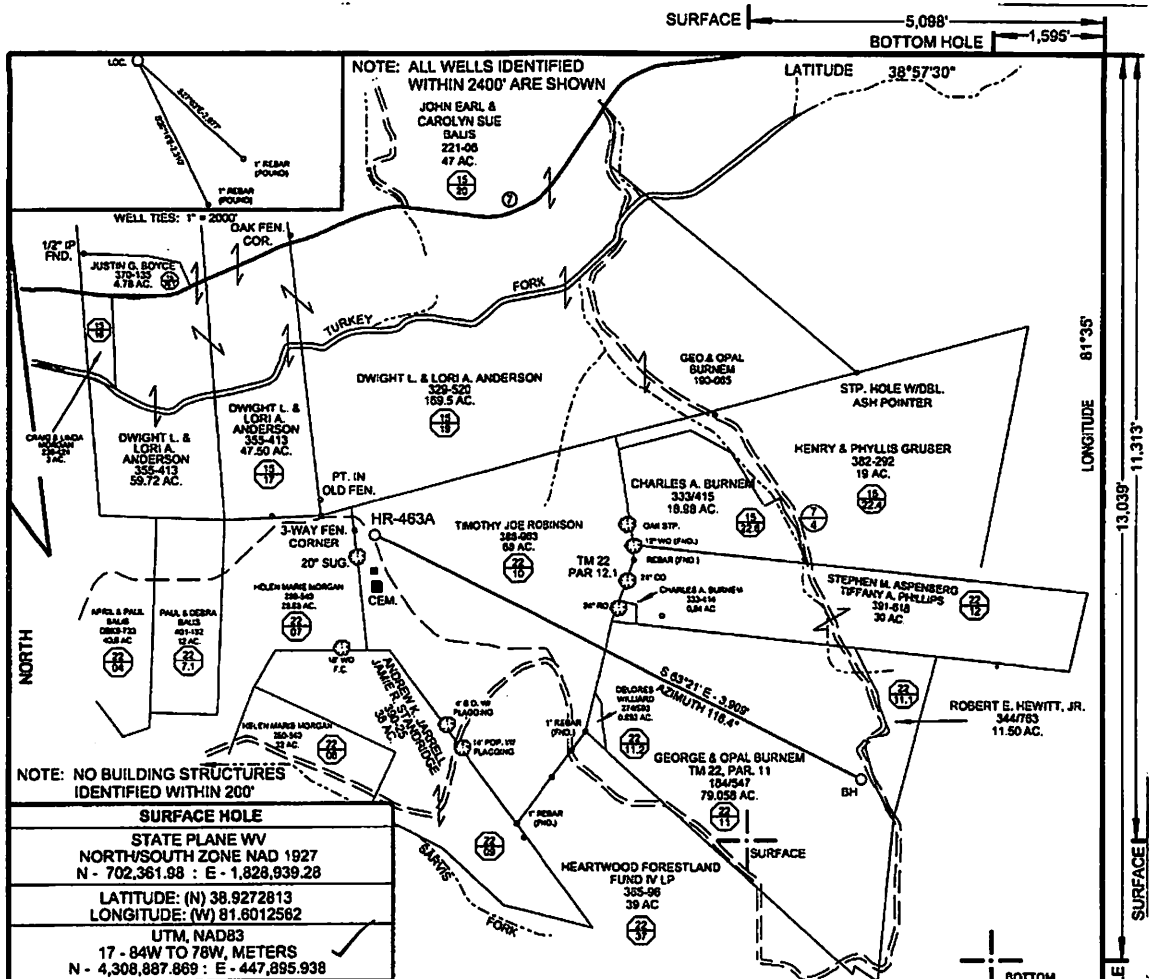
James Martin
Chief

Operator: HARD ROCK EXPLORATION, INC.
Operator's Well No: HR-463
Farm Name: ROBINSON, TIMOTHY JOE
API Well Number: 47-3503004
Date Issued: 12/12/2011

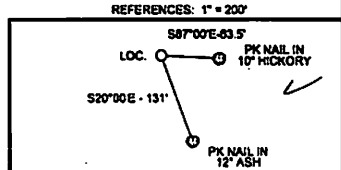
Date Cancelled: 03/01/2016

Promoting a healthy environment.

03/11/2016



SURFACE HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 702,361.98 : E - 1,828,939.28	
LATITUDE: (N) 38.9272813 LONGITUDE: (W) 81.8012582	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,308,887.869 : E - 447,895.938	
BOTTOM HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 700,608.96 : E - 1,832,433.29	
LATITUDE: (N) 38.9225299 LONGITUDE: (W) 81.5889364	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,308,353.852 : E - 448,980.465	

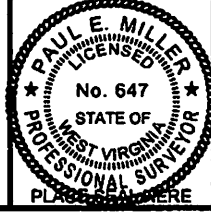


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. HR-463A.DGN
 DRAWING NO. HR-463A
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION MAPPING GRADE GPS

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) [Signature]
 R.P.E. L.L.S. 647



DATE OCTOBER 5, 20 11
 OPERATOR'S WELL NO. HR-463A
 API WELL NO. 47 035 03004 H

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE CANCELLED PERMIT
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 884' WATER SHED SARVIS FORK OF THE LEFT FORK OF SANDY CREEK
 DISTRICT RAVENSWOOD COUNTY JACKSON
 QUADRANGLE LIVERPOOL, WV 7.5'

SURFACE OWNER TIMOTHY JOE ROBINSON ACREAGE 68
 OIL & GAS ROYALTY OWNER Paul Shoppard, Bush, Isaac, Bush, Timothy, Robinson, Broom, Bradley, Young LEASE ACREAGE 147.058

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION LOWER HURON ESTIMATED DEPTH 8300' M.D., 4520' TUD
 WELL OPERATOR HARD ROCK EXPLORATION, INC. DESIGNATED AGENT JAMES L. STEPHENS
 ADDRESS 1244 MARTIN BR. RD., CHARLESTON, WV 25312 ADDRESS SAME

FORM WW-5

COUNTY NAME JACKSON
 PERMIT

03/11/2016

INSPECTORS PERMIT SUMMARY FORM

GPS YES [] NO []

DATE STARTED/LOCATION: Never Drilled OPERATOR: HARD ROCK EXPLORATION, INC.
 DRILLING COMMENCED: _____ FARM: ROBINSON, TIMOTHY JOE
 TO DATE: _____ DEPTHS: _____ Well No: HR-463
 WATER DEPTHS: _____ COAL DEPTHS _____

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30 AND REGULATIONS 35CSR 4-12.1 AND 35CSR 4-16 AND THE GENERAL WATER POLLUTION CONTROL PERMIT.

POINTS ARE TO BE GIVEN UP TO MAXIMUM AS SHOWN BASED ON PERFORMANCE.

1. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:
 - A. CONSTRUCTION YES [] NO [] (2_PTS) (4_PTS) _____
 - B. DRILLING YES [] NO [] (2_PTS)
2. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES [] NO [] (2_PTS) (4_PTS) _____
3. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES [] NO [] (4_PTS) (4_PTS) _____
4. CONSTRUCTIONS:
WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?
 - A. ROAD DITCHES (1)_ (2)_ (3)_ (4)_ (PTS) B. CROSS DRAINS (1)_ (2)_ (3)_ (4)_ (5)_ (PTS)
 - C. CULVERTS (1)_ (2)_ (3)_ (4)_ (5)_ (PTS) D. CREEK CROSSINGS (1)_ (2)_ (3)_ (PTS)
 - E. DIVERSION DITCHES (1)_ (2)_ (3)_ (PTS) F. BARRIERS (1)_ (2)_ (3)_ (PTS)
 - G. TEMPORARY SEEDING YES [] NO [] (10_PTS)

POINTS AVAILABLE FOR QUESTION 4: (33_PTS) _____

5. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES [] NO [] (2_PTS) (2_PTS) _____
6. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES [] NO [] (9_PTS) (9_PTS) _____
7. RECLAMATION:
 - A. ROADWAY (1)_ (2)_ (3)_ (PTS) B. LOCATION (1)_ (2)_ (3)_ (PTS)
 - C. PITS (1)_ (2)_ (3)_ (PTS) D. PIPELINES (1)_ (2)_ (3)_ (PTS)
 - E. TANK DIKES (1)_ (2)_ (3)_ (PTS) F. API INSTALLED YES [] NO [] (3_PTS)
 - G. ADEQUATE SEEDING MATERIALS (1)_ (2)_ (3)_ (PTS)
 - H. WAS SEED BED ADEQUATE (1)_ (2)_ (3)_ (PTS)

POINTS AVAILABLE FOR QUESTION 7: (24_PTS) _____

8. WAS RECLAMATION COMPLETED WITHIN:
6 MTHS OF TD 6_PTS ONLY; 4 MTHS OF TD 12_PTS ONLY; 2 MTHS OF TD 19_PTS ONLY;

POINTS AVAILABLE FOR QUESTION 8: (19_PTS) _____

TOTAL MAXIMUM POSSIBLE SCORE OF 99.

TOTAL RECLAMATION SCORE: _____

3/11/2016
DATE RELEASED Cancelled

Jacqueline Thornton
INSPECTOR'S SIGNATURE