



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Thursday, March 16, 2017
NOTICE OF PERMIT CANCELLATION
Horizontal 6A / Horizontal 6A Well - 1

ANTERO RESOURCES CORPORATION (A)
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit cancellation for HAZELWOOD UNIT 1H
47-017-06338-00-00

The FINAL INSPECTION REPORT for the CANCELLED PERMIT, issued for U.S. Well Number 47-017-06338-00-00 , has been received by the Office of Oil and Gas. The permit has been cancelled as of 9/11/2013 .

If there are any questions, please feel free to contact me at (304) 926- 0450.


James A. Martin
Chief

Operator's Well Number: HAZELWOOD UNIT 1H
Farm Name: MORRIS, I.L.
U.S. WELL NUMBER: 47-017-06338-00-00
Horizontal 6A / Horizontal 6A Well - 1
Date Cancelled: 9/11/2013

Promoting a healthy environment.

GPS YES NO

DATE STARTED/LOCATION: API #: 47-017-06338 WELL NO. Hazelwood 1H
 DRILLING COMMENCED: OPERATOR: Antero Resources Corporation
 TD DATE: DEPTH: FARM: IL Morris
 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) B. DRILLING YES NO (2 PTS) (4 PTS) _____

2. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES NO (4 PTS) (4 PTS) _____

3. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES NO (4 PTS) (4 PTS) _____

4. CONSTRUCTION:

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.

MAXIMUM POINTS AVAILABLE FOR QUESTION 8: (19 PTS) _____

TOTAL MAXIMUM POSSIBLE SCORE OF 99.

TOTAL RECLAMATION SCORE: _____

INSPECTIONS:

~~Not Drilled: Cancel Permit~~

CANCELED

LATITUDE 39°15'00"

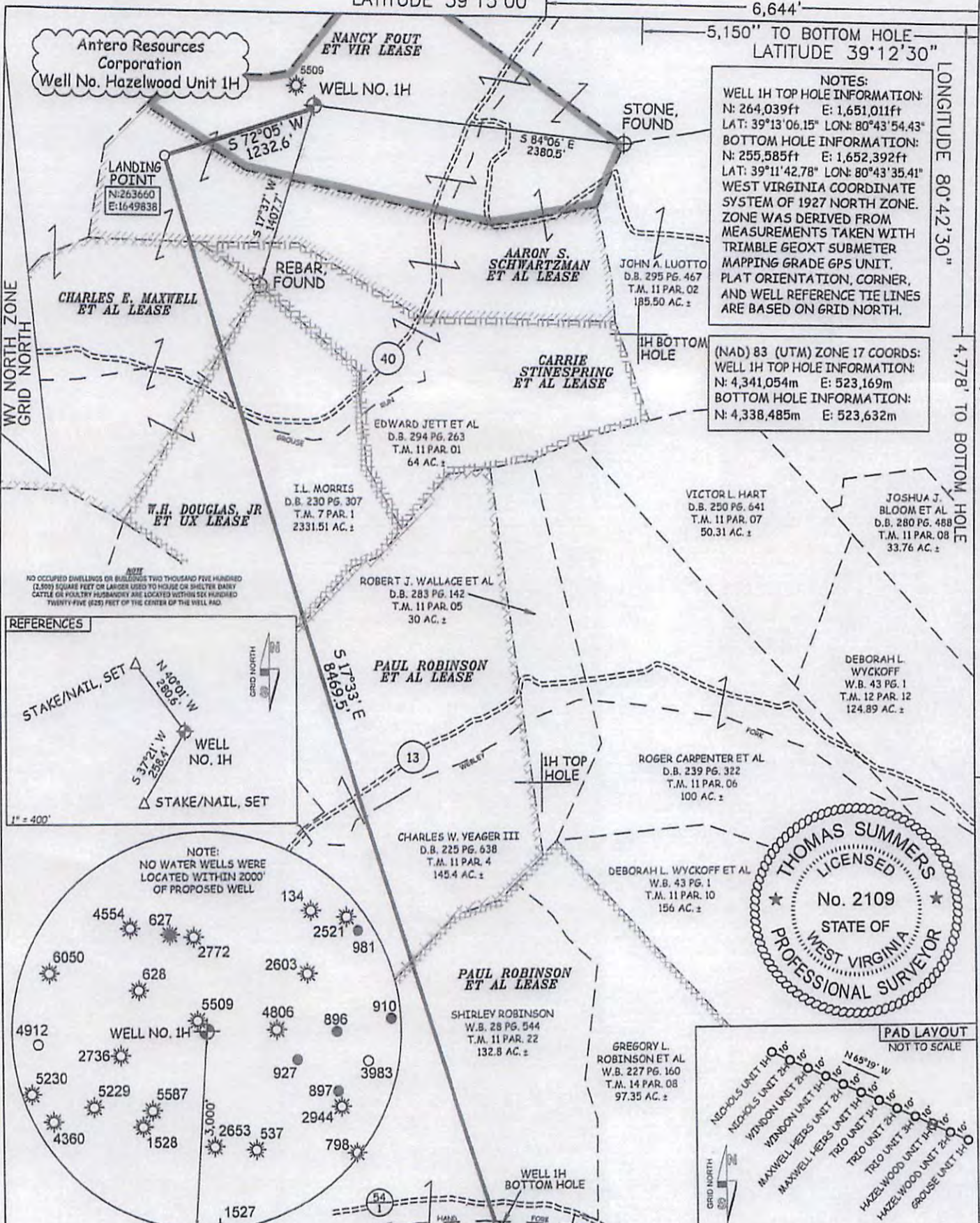
6,644'

5,150" TO BOTTOM HOLE
LATITUDE 39°12'30"

LONGITUDE 80°42'30"

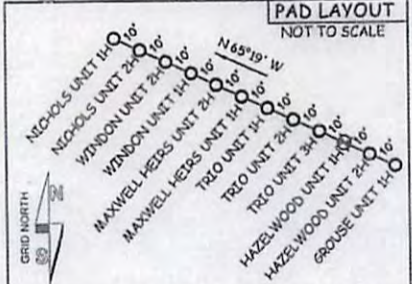
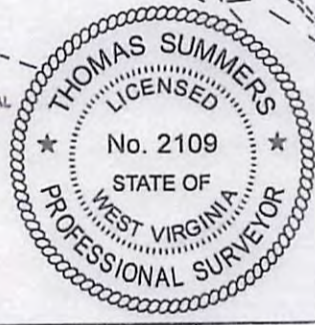
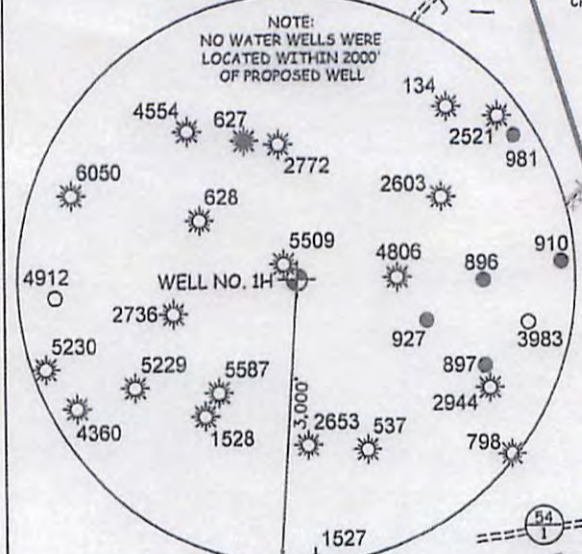
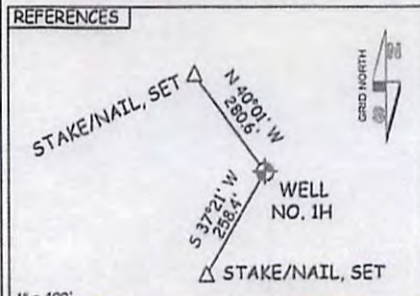
1,520'

LONGITUDE 80°42'30"



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 264,039ft E: 1,651,011ft
 LAT: 39°13'06.15" LON: 80°43'54.43"
 BOTTOM HOLE INFORMATION:
 N: 255,585ft E: 1,652,392ft
 LAT: 39°11'42.78" LON: 80°43'35.41"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT, PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,341,054m E: 523,169m
 BOTTOM HOLE INFORMATION:
 N: 4,338,485m E: 523,632m



JOB # 13-045WA
 DRAWING # HAZELWOOD1H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER 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 RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
 --- Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

DATE 07/29/13

OPERATOR'S WELL# HAZELWOOD UNIT 1H

API WELL # 47 - 017 - 06338 HGA

STATE COUNTY PERMIT

QUADRANGLE NEW MILTON 7.5' DISTRICT NEW MILTON COUNTY DODDRIDGE

ACREAGE 2331.51 ACRES +/-

LEASE ACREAGE 88.5 ACRES +/- 61 ACRES +/-
 86 ACRES +/- 71.5 ACRES +/- 239 ACRES +/- 303 ACRES +/-

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,200' TVD 16,090' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT