



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

Wednesday, November 29, 2017
WELL WORK PERMIT
Vertical / Plugging

ALLIANCE PETROLEUM CORPORATION
4150 BELDEN VILLAGE AVENUE NW, SUITE 410

CANTON, OH 447182553

Re: Permit approval for S290
47-033-02332-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: S290
Farm Name: RONINSON, ELIZA
U.S. WELL NUMBER: 47-033-02332-00-00
Vertical / Plugging
Date Issued: 11/29/2017

Promoting a healthy environment.

12/01/2017

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PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

3302332P

WW-4B
Rev. 2/01

1) Date September 18, 2017
2) Operator's Well No. E. Robinson #1
3) API Well No. 47-033 - 02332

CK # 0068020
\$100.00

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

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Office of Oil and Gas

OCT 03 2017

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

WV Department of Environmental Protection

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1233' Watershed Bingamon Creek
District Eagle County Harrison Quadrangle Shinnston 7.5'

6) Well Operator Alliance Petroleum Corporation 7) Designated Agent Dora Silvis
Address 4150 Belden Village Ave. NW, Suite 410 Address 4150 Belden Village Ave. NW, Suite 410
Canton, OH 44718-2553 Canton, OH 44718-2553

8) Oil and Gas Inspector to be notified Name Sam Ward
Address P.O. Box 2327
Buckhannon, WV 26201
9) Plugging Contractor Name Taylor Trucking and Dozer Service
Address 7147 Hackers Creek Road
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:

Use contract service rig, . RIH with 2 3/8" tbg., spot
GEL AND SET GLASS A BOTTOM HOLE PLUG FROM 3515' TO 3315' ABOVE PERFORATIONS.
Perforations are 3514' to 3532' Balltown. WOC, Fill from 3315' to 3000' with 6% gel
Spot 100' cement plug over casing cut 3000' to 2900', WOC, fill with 6% gel ^{FROM} 2900' to
Salt water stratum, elevation 1233', spot 100' cement plug 1233'-1133', WOC, Fill
from 1133' to 1000' with 6% gel, spot 100' CLASS A CEMENT PLUG above casing shoe 1000' to 900'
Fill with 6% gel 900' to 250', Fill with cement 250' to surface, Install 30" monmument
COVERING COAL & FRESH WATER gmm
Complete reclamation Any casing that can be pulled must be.

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector [Signature] Date 9/25/2017

12/01/2017

3302332P

FORM IV-35
(Obverse)

[08-78]

Date: August 11, 19 80

Operator's Well No. S-290 E. Robinson

API Well No. 47 - 033 - 2332
State County Basin

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND OR SIMILAR, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal
(If "Gas", Production X / Underground storage / Deep / Shallow X)
LOCATION: Elevation: 1233 Watershed: Bingamon Creek
District: Eagle County: Harrison Quadrangle: Shinnston 7.5'
WELL OPERATOR James F. Scott DESIGNATED AGENT Same
Address PO Box 112 Address
Salem, WV 26426

PERMITTED WORK: Drill X / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation /
Other physical change in well (specify):

PERMIT ISSUED ON Mar 26, 19 80 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Paul Garrett
Address 321 Beech St.
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Balltown Depth _____ feet
Depth of completed well, 3700 feet Rotary X / Cable Tools
Water strata depth: Fresh, 68 feet; salt, _____ feet.
Coal seam depths: 195-198; 230-235 Is coal being mined in the area? No
Work was commenced May 21, 19 80, and completed May 26, 19 80

CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic Feet) | PACKERS |
|-----------------------|----------------|-------|---------------|------------|-------------------|--------------|--------------------------------------|---|
| | Size | Grade | Weight per ft | New / Used | For drilling | Left in well | | |
| Conductor | 11 3/4 | | | | | | | Kinds |
| Fresh water | | | | | | | | |
| Coal | | | | | | | | Sizes |
| Intermediate | 8 5/8 | | | | | 1000 | to surface | |
| Production | 4 1/2 | | | | | 3700 | 175 sks | Depth set 700 2800 |
| Tubing | | | | | | | | |
| Liners | | | | | | | | Perforations: |
| | | | | | | | | Top Bottom |

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OPEN FLOW DATA
Producing formation Balltown Pay zone designation 3430 12/01/2017

FORM 17-35
Reverse

08-783

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATIONS, PHYSICAL CHANGE, ETC.

Balltown 3514-3518
3528-3532

WELL LOG

| FORMATION | Color | Hard or Soft | Top Feet | Bottom Feet | Remarks Including indication of gas, oil, sand and salt water, coal, etc. as seen |
|-----------------------|-------|--------------|----------|-------------|--|
| Topsoil | | | 0 | 10 | |
| Sand | | | 10 | 68 | |
| Sand | | | 68 | 195 | |
| Coal | | | 195 | 198 | |
| Sand | | | 198 | 230 | |
| Coal | | | 230 | 235 | |
| Sand & Shale | | | 235 | 595 | |
| Sand | | | 595 | 780 | |
| Sand & Shale | | | 780 | 1495 | |
| R. Rock | | | 1495 | 1556 | |
| Big Lime & Injun | | | 1556 | 1710 | |
| Sand & Shale | | | 1710 | 3480 | |
| Balltown | | | 3480 | 3495 | |
| Shale | | | 3495 | 3700 | |
| <u>Gamma Ray Tops</u> | | | | | |
| Big Lime | | | 1560 | 1715 | |
| 5th Sand | | | 2610 | 2630 | |
| Balltown | | | 3430 | 3540 | |

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Environmental Protection

12/01/2017

WW-4A
Revised 6-07

1) Date: September 18, 2017
2) Operator's Well Number E. Robinson #1
3) API Well No.: 47 - 033 - 02332

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

| | |
|--|---|
| 4) Surface Owner(s) to be served: | 5) (a) Coal Operator |
| (a) Name <u>Robert E. Currey & Betty S. Currey</u> | Name _____ |
| Address <u>21 Hardesty Run Road</u> | Address _____ |
| <u>Shinnston, WV 26431</u> | |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>Consolidation Coal Company</u> |
| | Address <u>1000 Consol Energy Drive</u> |
| | <u>Canonsburg, PA 15317</u> |
| (c) Name _____ | Name _____ |
| Address _____ | Address _____ |
| 6) Inspector <u>Sam Ward</u> | (c) Coal Lessee with Declaration |
| Address <u>P.O. Box 2327</u> | Name _____ |
| <u>Buckhannon, WV 26201</u> | Address _____ |
| Telephone <u>304-389-7583</u> | |

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

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WV Department of Environmental Protection



Well Operator Alliance Petroleum Corporation
 By: David Dean
 Its: VP Production
 Address 4150 Belden Village Ave. NW, Suite 410
Canton, OH 44718-2553
 Telephone 304-614-2963

Subscribed and sworn before me this 22nd day of September 2017
Hartsel E. McCauley Notary Public
My Commission Expires November 12, 2019

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

3302332P

WW-9
(5/16)

API Number 47 - 033 - 02332
Operator's Well No. E. Robinson #1

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Alliance Petroleum Corporation OP Code 494506333

Watershed (HUC 10) Bingamon Creek Quadrangle Shinnston 7.5

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: 165 bbls

Will a synthetic liner be used in the pit? Yes No If so, what ml.? ~~60~~ 20 ml.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. No drilling anticipated

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Leave in pit

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) cement

-Landfill or offsite name/permit number? PENNECO - UIC # 2D0930103

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature David Dean

Company Official (Typed Name) David Dean

Company Official Title Vice President Production

Subscribed and sworn before me this 22nd day of September, 20 17

Hartel E. McCauley

Notary Public

My commission expires November 12, 2019

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OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Hartel E. McCauley
1907 Old West Rd.
Bluebell, VA 26001
My Commission Expires November 12, 2019

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 600 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

| Temporary | | Permanent | |
|-------------------|----------|-------------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| Orchard Grass | 12 | Orchard Grass | 12 |
| Birdsfoot Trefoil | 10 | Birdsfoot Trefoil | 10 |
| Domestic Rye | 10 | Domestic Rye | 10 |

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? () Yes () No

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
GROUNDWATER PROTECTION PLAN

Operator Name: Alliance Petroleum CorporationWatershed (HUC 10): BingamonQuad: Shinnston 7.5'

Farm Name: _____

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

A contract service will be used to treat fluids in the pit to obtain the proper PH 6.5. Rig and pumping equipment will be used to cut and remove casing, pumping cement and gel, mixing of water, cement, and gel in above ground tanks.

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

All equipment will be inside of a controlled drainage to a constructed lined pit. Silt fences will be installed preventing any silt from entering the Bingamon Creek drainage area from storm water.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

The closest water body is Bingamon Creek. The distance to Bingamon Creek is 1080'.

4. Summarize all activities at your facility that are already regulated for groundwater protection.

The non producing gas well has fresh water casing cemented to surface protecting fresh water stratum. A 100 bbl tank is on site with secondary containment. Activities at the site are limited because of non productivity.

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

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Bingamon Creek drainage area is nearby the well site. Extra precaution will be noted to eliminate any contaminates from entering the drainage area.

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

No waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

Silt fences will be installed around the work area. A pit will be constructed and a ditch from the well head to divert and contain any fluid from the work area.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

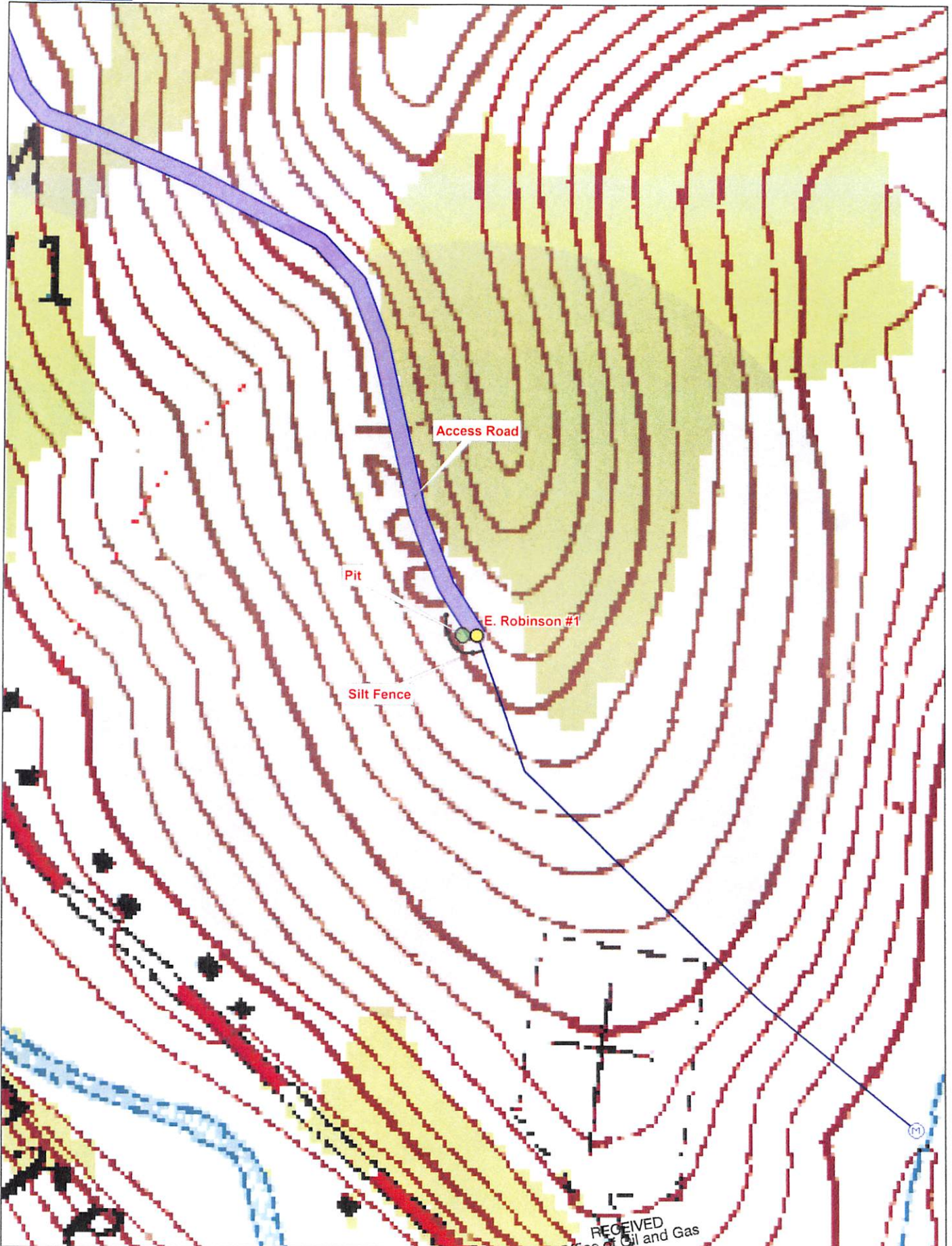
A job safety analysis will be completed each day on the job site to discuss the procedures, safety, and inspection of all GPP elements and equipment.

Signature: David Dean

Date: 09/22/2017

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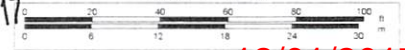
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TN
MN (8.9"W)

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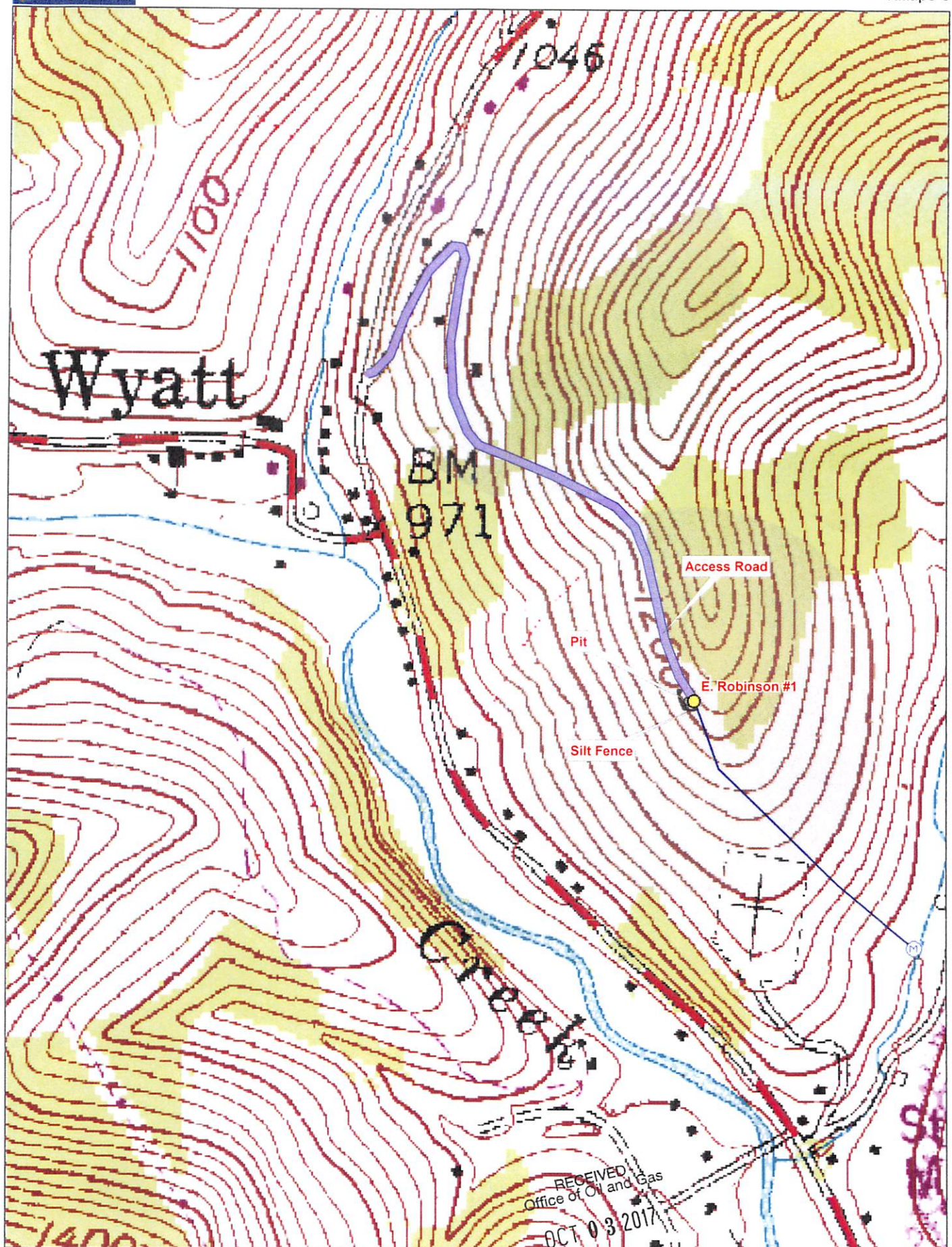
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Scale 1 : 6,000



12/01/2017

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-033-02332 WELL NO.: 1
 FARM NAME: E. Robinson
 RESPONSIBLE PARTY NAME: Alliance Petroleum Corporation
 COUNTY: Harrison DISTRICT: Eagle
 QUADRANGLE: Shinnston 7.5'
 SURFACE OWNER: Robert E. Currey & Betty S. Currey
 ROYALTY OWNER: Consolidation Coal Company, Alamco Inc Successor, Appalachian Pet. Corp.
 UTM GPS NORTHING: 4365046
 UTM GPS EASTING: 555984 GPS ELEVATION: 1233'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____ : Post Processed Differential ____
 Real-Time Differential ____

Mapping Grade GPS X : Post Processed Differential ____
 Real-Time Differential X

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

David Dean
Signature

VP Production
Title

11/22/2017
Date

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