



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, September 18, 2019
WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

ALLIANCE PETROLEUM CO., LLC
101 MCQUISTON DR

JACKSON CITY, PA 16133

Re: Permit approval for WVC-3861
47-047-01349-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: WVC-3861
Farm Name: EVANS, LIZZIE - HEIRS
U.S. WELL NUMBER: 47-047-01349-00-00
Coal Bed Methane Well Plugging
Date Issued: 9/18/2019

Promoting a healthy environment.

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.

1) Date February 13, , 20 19
2) Operator's
Well No. 793813 WVC 3861
3) API Well No. 47-047 ~~_____~~ 01349

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation ~~4836.79~~ 2200' Watershed Oozley Branch of Dry Fork
District Sandy River County McDowell Quadrangle Bradshaw

6) Well Operator Alliance Petroleum Corporation, LLC 7) Designated Agent David Dean
Address 1997 Old Weston Rd. Address 1997 Old Weston Rd.
Buckhannon, WV. 26201 Buckhannon, WV. 26201

8) Oil and Gas Inspector to be notified Name Gary Kennedy 9) Plugging Contractor Name R and J Well Service
Address 66 Old Church Lane Pipestem, Wv. 25979 Address 1087 Raccoon Rd.
304-382-8402 Hueysville, KY. 41640

10) Work Order: The work order for the manner of plugging this well is as follows:
See attachment for details and procedures.

OK JWM

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

Work order approved by inspector _____ Date _____

PLUGGING PROGNOSIS

WVC - 3861

West Virginia, McDowell County
API # 47-047-01349**Casing Schedule**

11 3/4" csg @ 38'. Cemented to surface
 8 5/8" csg @ 309' Cemented to surface w/ 94 Cu Ft
 4 1/2" csg @ 2022' Cemented w/ 540 Cu Ft. (Estimated TOC surface)

Completion

2 stage completion

- Stage 1 Completion: POCO Seams # 5,3,2 1160' to 1817'
- Stage 2 Completion: Beckley & Fire Creek 1199'-1204'

Workover History

- 2003 original tbg TD at 1937'. Tbg scaled in and chemical cut at 1785'
- 2008 well worked over due to scale. Unable to wash over tbg to TD. Tbg shot off and left in wellbore. Estimated TD 1550'. Tbg ran back to 1550'
- 2019 tbg/rods salvaged. 1 joint tbg left in wellhead. 1550' in total.

Fresh Water: None Reported**Elevation:** 2,218'**Coal:** 629', 925', 1013', 1199', 1275', 1333', 1659', 1786', Beckley 1199'-1204', Fire Creek 1336'-1340', POCO #5 1660'-1662'. POCO #3 1784'-1787', POCO #2 1816'-1818'

1. Notify inspector, Gary Kennedy @ 304-382-8402, 48 hrs. prior to commencing operations.
2. Check and record tbg/csg pressure.
3. Tag TD w/ wireline **SPOT GEL**
4. TIH w/ tbg to 1550' (deeper if TD allows). Pump Class A cement w/ expanding additive from 1550'-750'
5. TOOH w/ tbg to 750'. Pump Class A cement w/ expanding additive from 750' to surface.
6. Top off well as needed.
7. Erect monument with API#, date plugged, & company name.
8. Reclaim location and road to WV-DEP specifications.

* 4. 4 1/2" CASING SET TO 2022. ∴ TIH w/ TUBING TO CASING TD AND SET BOTTOM HOLE PLUG FROM 1850' TO 750'.

John

RECEIVED
Office of Oil and Gas

SEP 18 2019

WV Department of
Environmental Protection

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: EVANS, LIZZIE - HEIRS Operator Well No.: WVC-3861

LOCATION: Elevation: 2,218.25 Quadrangle: BRADSHAW

District: SANDY RIVER County: MCDOWELL
Latitude: 5582 Feet South of 37 Deg. 22Min. 30 Sec.
Longitude 6608 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: EQUITABLE RESOURCES EXP.
1989 E. STONE DR., P.O. BOX 1983
KINGSPORT, TN 37662-1983

Agent: DAVID A. DEAN

Inspector: OFIE HELMICK
Permit Issued: 07/22/98
Well work Commenced: 9/1/98
Well work Completed: 9/22/98
Verbal Plugging
Permission granted on: N/A
Rotary X Cable Rig
Total Depth (feet) LTD-2044 DTD-2064
Fresh water depths (ft) N/A
Salt water depths (ft) 1900'

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft. Rows include sizes 11 3/4, 8 5/8, 4 1/2, and 2 3/3.

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 629/925/1013/1199/1275
1333/1659/1786

OPEN FLOW DATA

Producing formation POCO 5, POCO 3, POCO 2 Pay zone depth (ft) 1817.
Gas: Initial open flow N/A MCF/d Oil: Initial open flow 1660.5 Bbl/d
Final open flow 72 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests 6 Hours
Static rock Pressure 90 psig (surface pressure) after 48 Hours

COMMINGLED

Second producing formation BECKLEY, FIRECREEK Pay zone depth (ft) 1199.5-1339
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

RECEIVED
Office of Oil & Gas
Permitting

For: Michael P Jaskoski
EQUITABLE RESOURCES EXP. INC.

FEB 05 1999

WV Division of
Environmental Protection

By: MICHAEL P JASKOSKI
Date: 1/21/99

MCDOWELL 1348-C

API #: 47-047-01349 P
 OPERATOR WELL #: WVC3861
 FARM NAME: EVANS, LIZZIE HEIRS

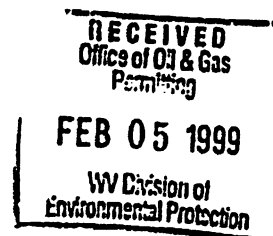
1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

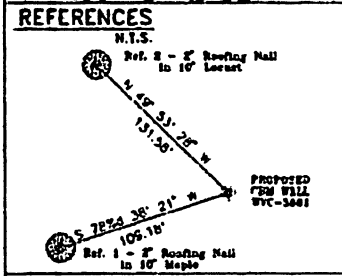
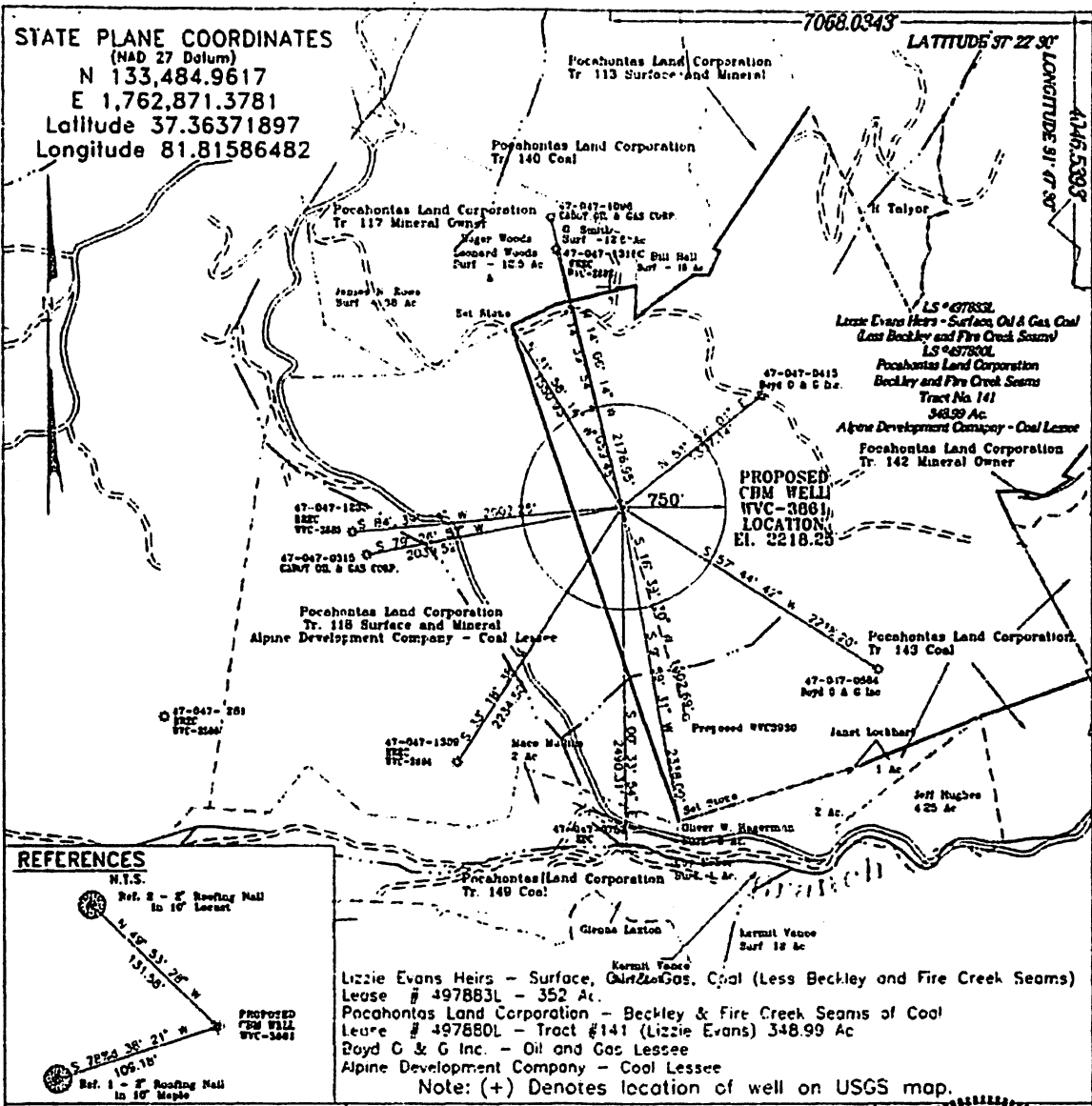
1ST STAGE - PERFORATED POCO SEAMS # 5, 3 & 2 FROM 1160.5 - 1817.5 WITH 13 PERFORATIONS. FRACTURED ON 9/11/98 BY HALLIBURTON WITH 70Q LE FOAM; 26646# 10/20 SAND, 517432 SCF N2, 293 TOTAL BBLs FLUID. BREAKDOWN PRESSURE 1334 PSI, MAX PRESSURE 3760 PSI, AVERAGE PRESSURE 3379 PSI, ISIP 1373 PSI, 1 MIN SIP 1148 PSI, 5 MIN SIP 1085 PSI. AVERAGE INJECTION RATE 38 BPM..

2ND STAGE - PERFORATED BECKLEY, FIRECREEK, FROM 1199.5 - 1204 WITH 16 PERFORATIONS. FRACTURED ON 9/11/98 BY HALLIBURTON WITH 70Q LE FOAM; 34450# 10/20 SAND, 699027 SCF N2. BREAKDOWN PRESSURE 1263, MAX PRESSURE 3961 PSI, AVERAGE PRESSURE 3360 PSI, ISIP 1974, 1-MIN SIP 1802, 5-MIN SIP 1681.

2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

SAND, SHALE & THIN COALS	0	1199
BECKLEY	1199	1204
SAND, SHALE & THIN COALS	1204	1336
FIRECREEK	1336	1340
SAND, SHALE & THIN COALS	1340	1660
POCO #5	1660	1662
SAND, SHALE & THIN COALS	1662	1784
POCO #3	1784	1787
SAND, SHALE & THIN COALS	1787	1816
POCO #2	1816	1818
SAND, SHALE & THIN COALS	1818	2044
LOGGER'S TOTAL DEPTH		2044
DRILLER'S TOTAL DEPTH		2064



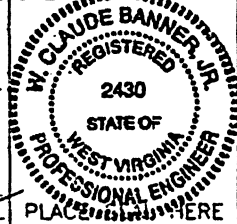


Lizzie Evans Heirs - Surface, Oil & Gas, Coal (Less Beckley and Fire Creek Seams)
Lease # 497883L - 352 Ac.
Pocahontas Land Corporation - Beckley & Fire Creek Seams of Coal
Lease # 497880L - Tract #141 (Lizzie Evans) 348.99 Ac
Boyd C & G Inc. - Oil and Gas Lessee
Alpine Development Company - Coal Lessee
Note: (+) Denotes location of well on USGS map.

FILE No. ERE-9803198/SP
DRAWING NAME WVC-3861/GW-PLAT
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 : 2500
PROVEN SOURCE OF ELEVATION USGS B.M.
ESTEP

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 MINES.

(SIGNED) W. Claude Banner, Jr.
R.P.E. _____ R/P.S. _____



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
NITRO, WV

DATE MAY 5, 19 98
OPERATOR'S WELL No. WVC-3861
API WELL No. 47 - 047 - 01349C

WELL TYPE: OIL X GAS X CRM X LIQUID INJECTION X WASTE DISPOSAL X
(IF "GAS") PRODUCTION X STORAGE X DEEP X SHALLOW X

LOCATION: ELEVATION 2218.25 WATER SHED RIGHT FORK OF OZLEY BRANCH
DISTRICT SANDY RIVER COUNTY McDOWELL
QUADRANGLE BRADSHAW, WV - VA

SURFACE OWNER LIZZIE EVANS HEIRS ACREAGE 270.24
CBM ROYALTY OWNER POCAHONTAS LAND CORPORATION AND LIZZIE EVANS HEIRS LEASE ACREAGE 348.99
LEASE No. 497880L AND 497883L

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

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION PENNSYLVANIAN COALS ESTIMATED DEPTH _____
WELL OPERATOR EQUITABLE RESOURCES ENERGY COMPANY DESIGNATED AGENT DAVID DEAN
ADDRESS 1989 EAST STONE DRIVE ADDRESS P.O. DRAWER 40
KINGSPORT, TN 37660 BUCKHANNON, WV 26201

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Equitable Resources Energy Company 16155 (6) 261
- 2) Operator's Well Number: WVC- 3861 3) Elevation: 2218.25
- 4) Well type: (a) Oil / or Gas X / CBM
(b) If Gas Production / Underground Storage /
Deep /
- 5) Proposed Target Formation(s): Pennsylvanian Coals 47-047-01349P
- 6) Proposed Total Depth: 2110 feet
- 7) Approximate fresh water strata depths: Unknown
- 8) Approximate salt water depths: Unknown
- 9) Approximate coal seam depths: See Attached Prognosis
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill and Complete New CBM Well

RECEIVED
Office of Oil & Gas
Permitting
JUN 08 1998
WV Division of
Environmental Protection

25505

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. Ft.)
Conductor	11 3/4	L. S.	35#	20	20	Drive Pipe
Fresh Water	8 5/8	ERW	20#	300	300	Surface - 80 ft ³
Coal	Same as Production					
Intermediate						
Production	4 1/2	M 65	9.5	2090	2090	Surface - 476 ft ³
Tubing	2 3/8	J 55	4.6	1975	1975	N/A
Liners						

Packers: Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ (Type) Agent

WW-1A
Revised 6-07

1) Date: 01/21/2019
2) Operator's Well Number
793813 WVC 3861

3) API Well No.: 47 - 047 - ~~01349~~

**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:

(a) Name: D.D. Evans Et al. C/O Robert Evans
Address: P.O. Box 477
Bradshaw WV 24817

(b) Name: _____
Address: _____

(c) Name: _____
Address: _____

6) Inspector: Guy Kennedy
Address: 66 Old Church Lane
Epstein WV 25839
Telephone: 304-292-8407

5) (a) Coal Operator

Name: _____
Address: _____

(b) Coal Owner(s) with Declaration

Name: D.D. Evans Et al. C/O Robert Evans
Address: P.O. Box 477
Bradshaw WV 24817

Name: _____
Address: _____

(c) Coal Lessee with Declaration

Name: _____
Address: _____

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-1B which sets out the parties involved in the well and details the well and the plugging work order; and
- (2) The plat or survey map showing the well location on Form WW-6

The persons you received these documents from have been notified by the application which are summarized in the instructions on the reverse side. However, you are not required to file an action at all.

This notice is published in the West Virginia Coalfield Worker's Journal, a coal operator publication, for the filing of Notices of Application and a copy may be made available to the public. The notice will also be published in the Coalfield Worker's Journal, a coal operator publication, for the filing of Notices of Application and a copy may be made available to the public. The application to plug and abandon a well is subject to the provisions of the West Virginia Coalfield Worker's Journal, a coal operator publication, for the filing of Notices of Application and a copy may be made available to the public.

Well Operator: D.D. Evans Et al. C/O Robert Evans
By: Guy Kennedy
Title: Regional Field Manager
Address: P.O. Box 2676
Pikeville KY 41501
Telephone: (606) 437-5245

Subscribed and sworn before me this 22nd day of January 2019
My Commission Expires 8-18-2021 Notary Public [Signature]

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 depprivacyofficer@wv.gov.

WV-9
(5/16)

API Number 47-047-01349 P
Operator's Well No. WVC 3861

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

Operator Name Alfama Petroleum Corporation LLC OP Code _____

Watershed (HUC) 100 Oozley Branch of Dry Fork Quad angle Bradshaw

Do you anticipate using more than 1000 gallons of water to complete the proposed work? No Yes

Will you be using _____ Yes No

Do you plan to use _____ Yes No

Do you plan to use _____ Yes No

Proposed Disposal Method
Permit # 20 04 7015 4A002

I hereby certify that the information provided on this form is true and correct to the best of my knowledge.

Operator's Signature _____

Operator's Printed Name _____

Operator's Title _____

Operator's Address _____

Operator's Phone Number _____

Operator's E-mail Address _____

Operator's Fax Number _____

Operator's Mailing Address _____

Operator's City/State/Zip _____

Operator's County _____

Operator's License Number _____

Operator's License Expiration Date _____

Company Official Signature David Dean

Company Official Printed Name David Dean

Company Official Title Executive VP Production

Subscribed and sworn before me this 15th day of February, 20 19

Hartzel E. McCauley

My commission expires November 12, 2019



WW-9
(5/16)

API Number 47 - 047 01349P
Operator's Well No. WVC - 3861

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

Operator Name ~~Diversified Southern Production~~ **ALLIANCE PETROLEUM CORP, LLC** OP Code

Watershed (HUC 10) Oozley Branch of Dry Fork Quadrangle Bradshaw

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: Formation Fluids

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GAP)
- Underground Injection (CUE Permit Number: 200370154100)
- Reuse at APT 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.

-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.

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

-Landfill or offsite name permit number?

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 under stand 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 on 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 *Conley Smith*

Company Official (Typed Name) Conley Smith

Company Official Title Regional Land Manager

Subscribed and sworn before me this 23rd day of January, 2019

[Signature] Notary Public

My commission expires 8-18-2021

Proposed Revegetation Treatment: Acres Disturbed 1+/- Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount _____ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

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.

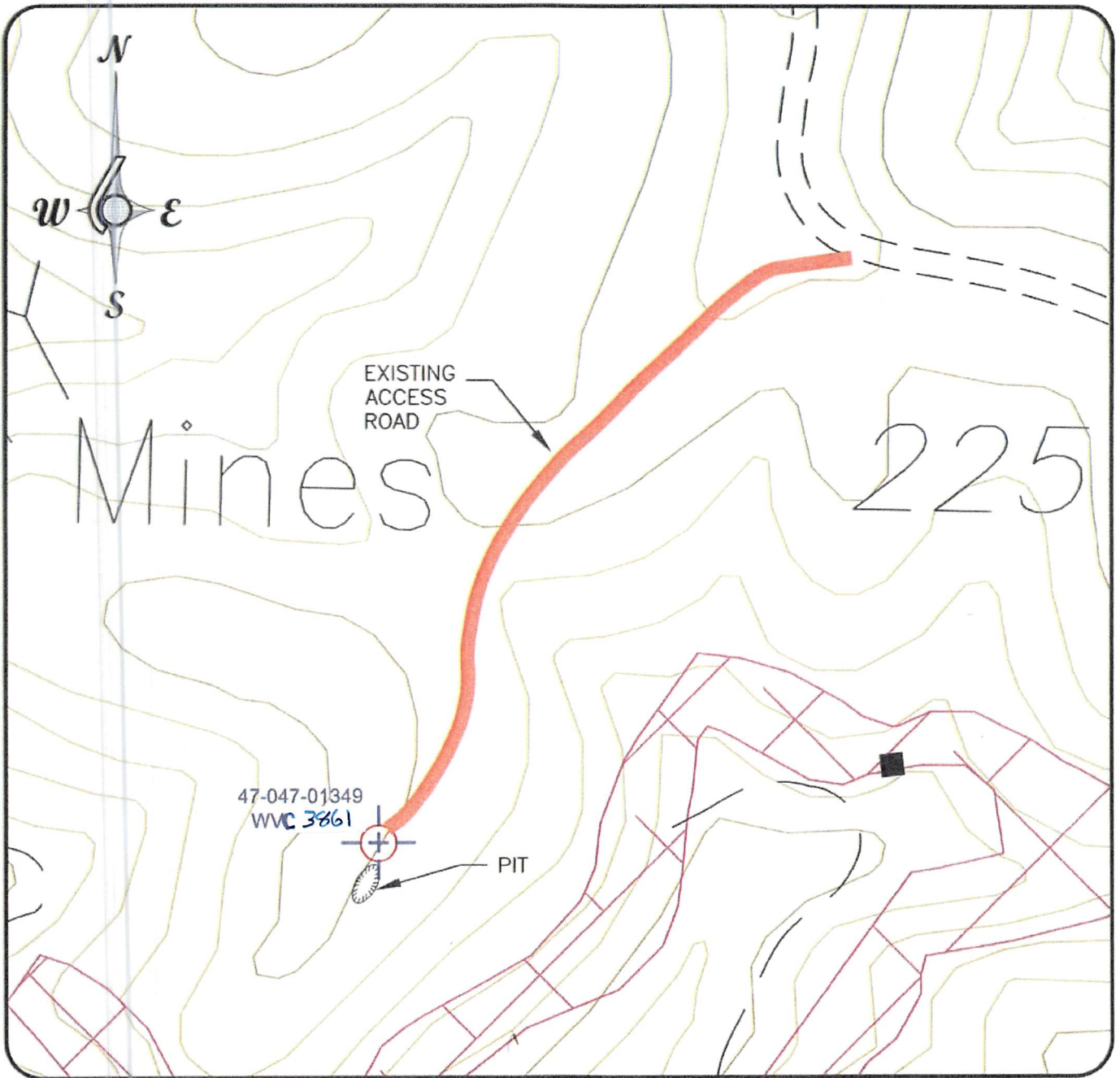
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? () Yes () No



API: 47-047-01349

Well: ~~WVC-3930~~ 3861

Well # 793813

Topo Quad:	Bradshaw 7.5'
County:	McDowell, WV
District:	Sandy River
Scale:	1"=200'
Date:	January 11, 2019
Work Order:	GSE1070



NAD 27 S Zone	NAD 83 S Zone
N 133,500.70	N 133,544.12
E 1,762,873.25	E 1,731,426.79
UTM NB3 Zone 17	LAT: 37.363874
N 4,135,551.412m	LONG: -81.815695
E 427,769.246m	ELEV: 2199.81'

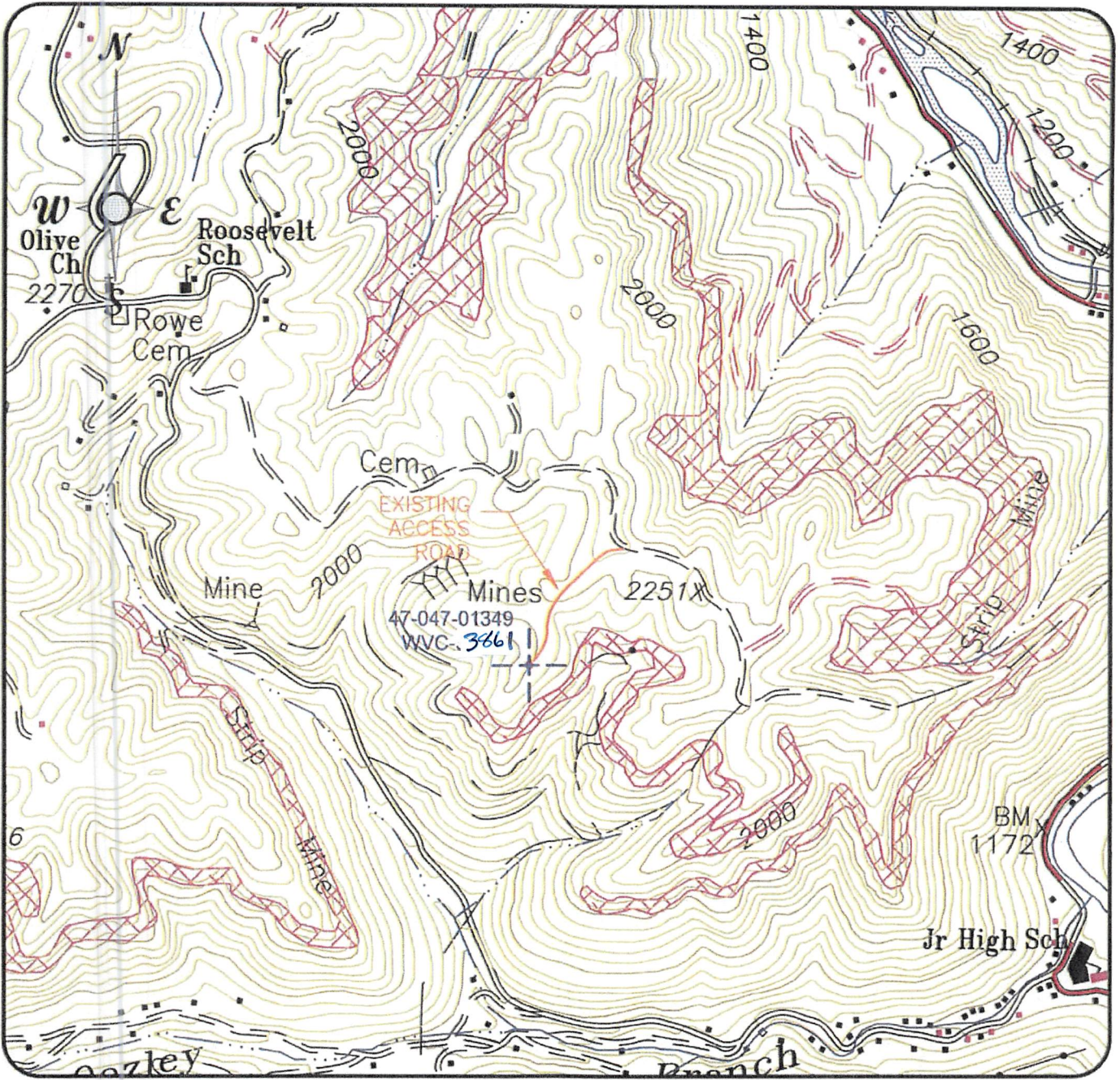
Bocook Engineering
CONSULTING ENGINEERS







312 TENTH STREET PAINTSVILLE, KY (606) 789-5981
259 NORTH ARNOLD AVENUE PRESTONSBURG, KY (606) 886-7884

PIT MAP



DIVERSIFIED GAS & OIL CORPORATION



API: 47-047-01349		Well: WVC-3930 3861		Well # 793813		
Topo Quad: Brodshaw 7.5'			NAD 27 S Zone N 133,500.70 E 1,762,873.25	NAD 83 S Zone N 133,544.12 E 1,731,426.79		
County: McDowell, WV			UTM N83 Zone 17 N 4,135,551.412m E 427,769.246m	LAT: 37.363874 LONG: -81.815695 ELEV: 2199.81'		
District: Sandy River			TOPO			
Scale: 1" = 1000'			DIVERSIFIED GAS & OIL CORPORATION			
Date: January 11, 2019						
Work Order: GSE1070						
Bocook Engineering CONSULTING ENGINEERS 312 TENTH STREET PAINTSVILLE, KY (606) 789-5961		259 NORTH ARNOLD AVENUE PRESTONSBURG, KY (606) 896-7884				

47-047-01349 P

WVC - 3861



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-047-01349 WELL NO.: 793813?
FARM NAME: WVC 3861 (Cabot Well 472198004)
RESPONSIBLE PARTY NAME: Alliance Petroleum Corporation, LLC
COUNTY: McDowell DISTRICT: Sand River
QUADRANGLE: Bradshaw
SURFACE OWNER: D. D. Evans c/o Robert Evans
ROYALTY OWNER: Pocahontas Land Corporation & Lizzie Evans Heirs
UTM GPS NORTHING: 4,135,551.412m
UTM GPS EASTING: 427,769.246m GPS ELEVATION: 670.502m (2200')

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- 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.

Dewey L. Bocook, Jr.

Digitally signed by Dewey L. Bocook, Jr.
DN: cn=Dewey L. Bocook, Jr., o=Bocook
Engineering, Inc. ou,
email=dbocook@bocook.com, c=US
Date: 2019.01.14 13:20:24 -0500

LLS # 1054

1/14/2019

Signature

Title

Date