



 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

Tuesday, September 18, 2018
 WELL WORK PLUGGING PERMIT
 Vertical Plugging

NNE RESOURCES LLC
 707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for 1
 47-061-00516-00-00

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: 1
 Farm Name: TENNANT, ALBERT
 U.S. WELL NUMBER: 47-061-00516-00-00
 Vertical Plugging
 Date Issued: 9/18/2018

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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.

09/21/2018

WW-4B
Rev. 2/01

- 1) Date July 13, 2018
- 2) Operator's
Well No. Albert Tennant 1
- 3) API Well No. 47-061 - 00516

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

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APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 1,086' Watershed Dunkard Creek
District Clay County Monongalia Quadrangle Blacksville

6) Well Operator <u>NNE Resources LLC</u>	7) Designated Agent <u>Hollie M. Medley</u>
Address <u>707 Virginia Street East, Suite 1200</u>	Address <u>48 Donley Street, Suite 601</u>
<u>Charleston, WV 25301</u>	<u>Morgantown, WV 26501</u>

8) Oil and Gas Inspector to be notified	9) Plugging Contractor
Name <u>Gayne Knitowski</u>	Name <u>CONSERV Inc.</u>
Address <u>P.O. Box 108</u>	Address <u>929 Charleston Road</u>
<u>Gormanian, WV 26720</u>	<u>Spencer, WV 25276</u>

- 10) Work Order: The work order for the manner of plugging this well is as follows:
- Perform necessary earth work to establish access and work area for rig
 - Ensure all necessary E & S controls are installed
 - RIH with open ended tubing to determine PBTD
 - Attempt to remove all casing by pulling a minimum of 150% of casing string weight
 - If casing will not pull out, cut and remove as much casing as possible
 - Log well to determine casing and coal
 - Spot expandable cement from PBTD to 100' below coal to set a solid cement plug
 - Set a solid cement plug 100' above coal
 - WOC expandable cement to harden
 - Top off well to surface with class A cement with no more than 3% CaCl2 and no other additives
 - Place a well monument with API number
 - Reclaim site

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

Work order approved by inspector  Date 7/23/2018

SCOPE OF OPERATION

1. Safety is the highest priority. Control costs and avoid unnecessary expenditures.
2. Attempt to cut or pull all recoverable casing.
3. TIH with 1 1/2" tubing to estimated TD of ~~1800'~~ 2008'
4. Pump cement and gel plugs per state requirements.
5. Bury and plat a well monument with WV State API number.

PROCEDURE

- 1) Safety is the number one priority. Well site safety meetings will be held before each major operation
- 2) MIRU construction equipment and remove any tanks, separators, well lines, meter runs, etc.
- 3) MIRU service rig & needed BOP equipment
- 4) TOOH strapping rods and tubing
- 5) TIH strapping tubing to ~1,800'
- 6) Pump 20 sks of Class A cement (150' cement plug), displace cement plug
- 7) TOOH with tubing
- 8) RIH with mechanical ripper or casing cutter to 1,650' and attempt to rip and retrieve 6-5/8" casing.
- 9) TOOH with production casing and tally out
- 10) Attempt to pull 1-1/2 times intermediate casing string weight to establish freepoint
- 11) If casing integrity is such that substantial pulling is unsafe, contact DEP prior to moving on to Step 12.
- 12) RIH and perforate intermediate casing below free point
- 13) RIH with mechanical ripper or casing cutter to rip intermediate casing above free point and perforations
- 14) TIH with tubing
- 15) Pump cement from 1,650' to above intermediate perforations
- 16) TOOH with tubing
- 17) TOOH with intermediate casing
- 18) RIH with tubing
- 19) Cement to surface

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20) ~~Cut all casing 36 inches below GL. Install a monument to WV state requirements~~

21) RDMO all service equipment providers and reclaim location to WV State requirements

Well Record Procedure

Northeast Natural Energy LLC researched the proposed well for plug and abandonment using the following information centers:

- The DEP office at 601 - 57th Street, Charleston, WV 25304.
- The DEP online database for Oil and Gas Wells for production and well data.
- Titlemaps.com for lease information.
- Research well files provided by previous operator

PERSONNEL / PHONE LIST

Production Manager	John Landis	Office: (304) 212-0434 Mobile: (304) 216-6854
Construction Foreman	Mike Shreve	Mobile: (304) 918-3050
Regulatory Manager	Hollie Medley	Office: (304) 212-0422 Mobile: (304) 543-8932
WV State Inspector	Gayne Knitowski	Mobile: (304) 546-8171

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Albert Tennant 1
 Monongalia County, WV
 API Number: 4706100516
 AFE Number: TBD
 Plugging Procedure

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June 26, 2018

Discussion

Approval is requested to perform the initial plugging on the Albert Tennant 1 Well. The Albert Tennant 1 is a vertical well located in Monongalia County, WV. The Albert Tennant 1 was drilled to a depth of approximately 1,800' based upon where the casing was landed. Production from this well has been very low for numerous years. The Albert Tennant 1 is recommended to be plugged and abandoned.

WELL DATA

Location (Surface)	Lat. 39.6500' Long.- 80.1918
TD	~1800'
PBTD	NA
Packer	NA
Marker Joint	NA

The actual TD of this well is unknown, so it has been estimated to be approximately 1800' based off of the depth of the production casing.

CASING AND TUBULAR DATA

STRING	SIZE	WEIGHT/GRADE	DEPTH	THREAD	TOC
Surface	10"	N/A	610'	N/A	N/A
Intermediate	8 1/4"	N/A	825'	N/A	N/A
Production	6-5/8"	N/A	1650'	N/A	N/A

CAPACITIES

SIZE	WEIGHT	CAPACITY (GAL/FT.)	CAPACITY (BBL/FT.)
10**	N/A	4.192	0.0998
8 1/4**	N/A	2.738	0.0652
6 5/8"	N/A	1.536	0.0365
5 3/16**	N/A	1.038	0.0247
2 3/8"	4.7#	0.16239	0.00387

09/21/2018

SIZE	WEIGHT	CAPACITY (CU FT/FT.)	CAPACITY (BBL/FT.)
10**	N/A	0.5603	0.0998
8 1/4**	N/A	0.3659	0.0652
6 5/8"	N/A	0.2052	0.0365
5 3/16**	N/A	0.1387	0.0247
2 3/8"	4.7#	0.02171	0.00387

* The asterisks represent sizes where estimates were used to produce the capacity data. For the 10" casing the capacity of a 35.75#/ft 10 3/4" casing was used. For the 8 1/4" casing capacities a 20#/ft 8 5/8" casing was used. For the 5 3/16" casing capacities a 13#/ft 5 1/2" casing was used

WELLHEAD EQUIPMENT

COMPONENT	SIZE & RATING
Manufacturer	N/A
Tubing Spool	N/A
Casing Spool	N/A
Bradenhead	N/A

Albert Tennant No. 1 Shallow Well Driving Directions

Beginning at the intersection of Rt. 7 (Mason Dixon Highway) and Rt. 29 (Jakes Run Road) travel south on said Rt. 29 for approximately 4.45 miles to the intersection of said Rt. 29 and Rt. 27 (Statler Run Road). Turn right onto said Rt. 27 and travel 0.60 miles to the intersection of said Statler Run Road and Rt. 25/3 (Yank Hollow Road). Turn right onto Rt. 25/3 and travel 0.70 miles to a "Y". Continue right at the "Y" and travel another 0.14 miles to a gravel driveway on the left @ N 39.65000, W 80.19056. See attached for location of well along western edge of stream.

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LATITUDE 39° 40' 00"

D



LONGITUDE 80° 0' 00"

7'5 OGIS topo location

7.5' loc 1.09 S 15' loc _____
 1.39 W (calc.) _____

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Company _____

Farm _____

Quad BLACKSVILLE 7 1/2'

County MORGAN

District CLAY

Ch. 1120± (Topo)

WELL LOCATION MAP

File No. 061-0516

SOUTH PENN OIL COMPANY - COMPLETION

SERIAL NO. _____ FARM Tarrant Albert WELL NO. _____
 ELEVATION _____ N. 13-14 S. _____ E. 24 W. _____
 LEASE NO. 360 ACRES 32 1/4
 WATERS OF Jakes Run
 DISTRICT Olay COUNTY Marion STATE W. Va.
 DRILLING COMMENCED 3/14/1894 COMPLETED 5/8/1894 DEPTH 2008'

BANDS	TOP	BOTTOM	ELEV. TOP	CASING
PEN. COAL	595			10"
Big Injun	1915	2000		8 1/2"
1st pay	2000	1700		5 5/8"
2nd pay	2008			5 3/16"

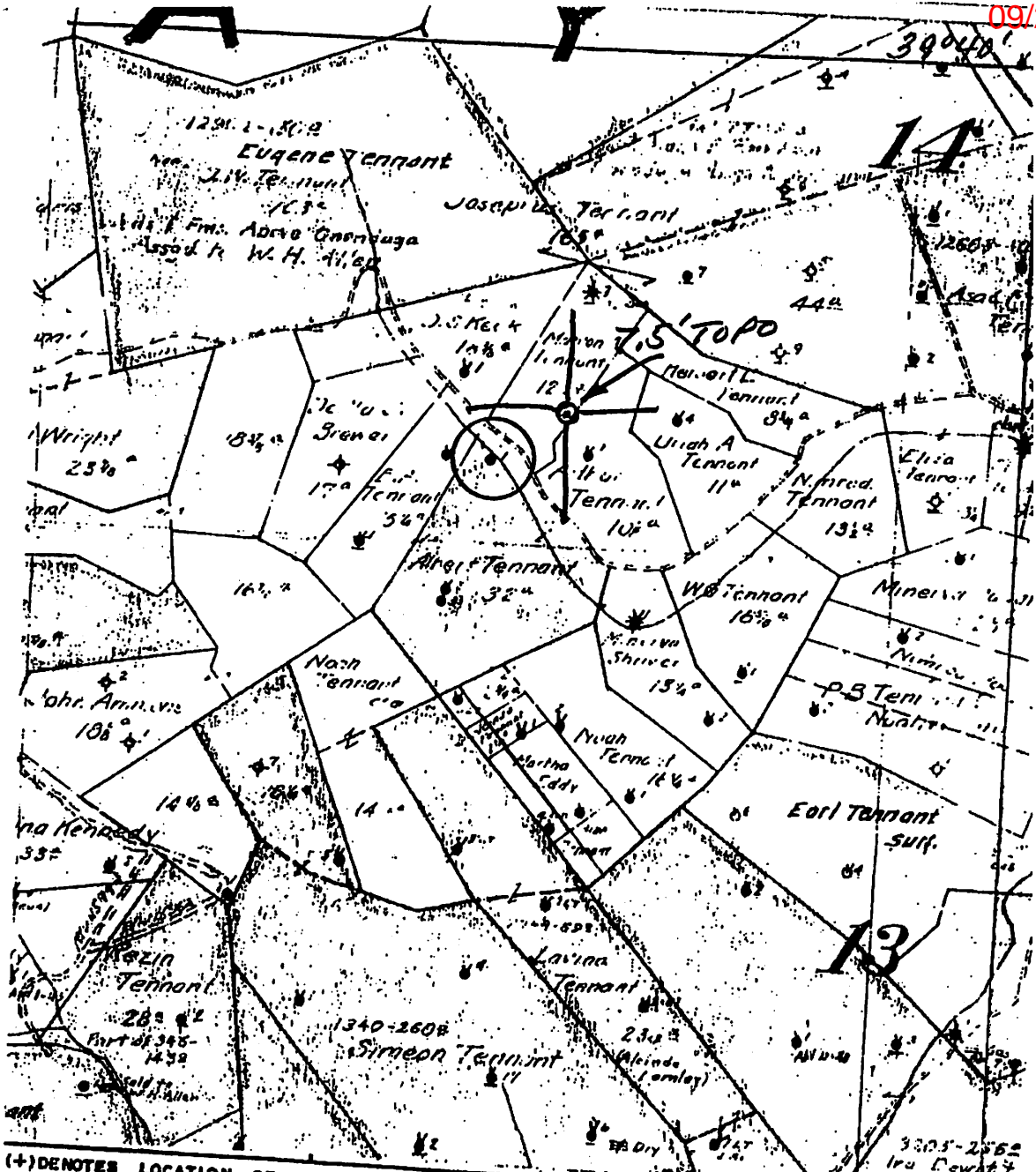
INITIAL PROD. No report 45 bbl SAND Big Injun DEPTH 2008'
 GAS TEST No
 SHOT 3 QUARTS 12 to 40
 REMARKS (Not drilled through Big Injun)
 REPORTED BY J. M. ... ABANDONED _____

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516
47-061-0517



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE 1-24, 1978
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-061-1514
 STATE COUNTY PERMIT
47-061-576

V7ZE N13E24

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION _____ WATER SHED JAKES RUN
 DISTRICT CLAY COUNTY MONONGALIA
 QUADRANGLE BLACKSVILLE T.S.
 SURFACE OWNER _____ ACREAGE _____
 OIL & GAS ROYALTY OWNER _____ LEASE NO. _____ LEASE ACREAGE _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUS AND ABANDON CLEAN OUT AND REPLUS _____
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crews
 ADDRESS P. O. Box 1588 ADDRESS P. O. Box 1588
Parkersburg, WV 26101 Parkersburg, WV 26101

Albert TENNANT - 1

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Select County: **(061) Monongalia** Select datatypes: (Check All)

Enter Permit #: **00516**

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

[Table Descriptions](#)
[County Code Translations](#)
[Permit-Numbering Series](#)
[Usage Notes](#)
[Contact Information](#)
[Disclaimer](#)
[WVGES Main](#)
["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 61 Permit = 00516

Report Time: Tuesday, September 11, 2018 9:09:49 AM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4706100516	Monongalia	516	Clay	Blacksville	Blacksville	39.650941	-80.192535	569275	4389327.8

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4706100516	5/8/1894	Original Loc	Completed	Albert Tennant	1					Pennzoil Company			

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AI
4706100516	5/8/1894	3/14/1894	1120	Topo Estimation	Frv-Str R-M Mrs	Big Injun (Price&eq)	Big Injun (Price&eq)	unclassified	unclassified	Oil	unknown	Shot	2027		2027		0	

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4706100516	5/8/1894	Pav	Oil	Vertical	2000	Big Injun (Price&eq)	2008	Big Injun (Price&eq)	0	45			

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100516	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Company	1982	775	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Company	1983	2,069	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Company	1984	1,883	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Products Company	1987	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Products Company	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Products Company	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Products Company	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2003	60	0	0	0	0	0	0	0	0	0	0	0	60
4706100516	Eddy Mark & Harry	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2005	60	60	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100516	Pennzoil Company	1981	428	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Company	1982	187	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Company	1983	456	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Company	1984	393	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Products Company	1987	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Pennzoil Products Company	1989	127	7	6	9	14	10	14	10	12	11	11	14	9
4706100516	Pennzoil Products Company	1990	143	15	12	12	9	16	12	11	13	11	11	12	9
4706100516	Pennzoil Products Company	1991	149	15	14	12	9	17	12	15	13	7	15	13	7
4706100516	Eddy Mark & Harry	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	1993	36	3	3	3	3	3	3	3	3	3	3	3	3
4706100516	Eddy Mark & Harry	1994	36	3	3	3	3	3	3	3	3	3	3	3	3
4706100516	Eddy Mark & Harry	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100516	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100516	NNE Resources, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100516	NNE Resources, LLC	2016	0												

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

REGISTRANTS:

DATE:

BUYER-SELLER CODE

WELL OPERATOR:

PENNZOIL CO.

JAN 28 1981

014730

09/21/2018

FIRST PURCHASER:

Not Dedicated

OTHER:

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
20-08-29-108-061-0516
 Use Above File Number on all Communications
 Relating to Determination of this Well

Qualifies J. Edguszy

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC-121 Items not completed - Line No. _____
- 2. IV-1 Agent James A. Crews
- 3. IV-2 Well Permit _____
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening _____
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production 91 Days off line: _____
- 9. IV-48 Application for certification. Complete?
- 17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: 3-14-1994 Date completed 5-8-1994 Deepened _____
- (5) Production Depth: 1915-2008
- (5) Production Formation: Big Injun
- (5) Final Open Flow: NA
- (5) After Frac. R. P. NA
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{2624}{365} = 7.2 \text{ MCF} \cdot \text{oil} / \text{100} = 1.1 \text{ OBL}$
- (8) Avg. Daily Gas from 90 day ending w/ 1-120 days $\frac{612}{91} = 6.7 \text{ MCF} \cdot \text{oil} / \text{100} = 1.2 \text{ OBL}$
- (8) Line Pressure: NA PSIG from Daily Report
- (5) Oil Production: _____ From Completion Report
- 17. Does lease inventory indicate enhanced recovery being done? NO
- 17. Is affidavit signed? Notarized?
- official well record with the Department confirm the submitted information? NO
- ditional information _____ Does computer program confirm? _____
- Determination Objected to _____ By Whom? _____

973

09/21/2018

WW-4A
Revised 6-07

1) Date: July 13, 2018
2) Operator's Well Number
Albert Tennant 1

3) API Well No.: 47 - 061 - 00516

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>Mr. Waitman D. Towns</u>	Name _____
Address <u>300 Country Club Road</u>	Address _____
<u>Fairview, WV 26570</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>CONSOL Mining Company LLC</u>
_____	Address <u>CNX Center, 1000 Consol Energy Drive</u>
_____	<u>Canonsburg, PA 15317</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 108</u>	Name _____
<u>Gormanian, WV 26720</u>	Address _____
Telephone <u>304.546.8171</u>	_____

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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 this Notice, 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.

 <p>OFFICIAL SEAL STATE OF WEST VIRGINIA NOTARY PUBLIC Michael Eisenhauer 156 Meadowridge Townhomes Morgantown, WV 26505 My Commission Expires Sep. 25, 2020</p>	Well Operator	<u>NNE Resources LLC</u>
	By:	<u>Hollie Medley</u>
	Its:	<u>Regulatory Manager</u>
	Address	<u>48 Donley Street, Suite 601</u>
	Telephone	<u>304.212.0422</u>

Subscribed and sworn before me this 13 day of July, 2018
Michael Eisenhauer Notary Public
My Commission Expires 9-25-2020

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.

09/21/2018

WW-9
(5/16)

API Number 47 - 061 - 00516
Operator's Well No. _____

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

Operator Name NNE Resources LLC OP Code 494511469

Watershed (HUC 10) Dunkard Creek Quadrangle Blacksville

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: _____

Will a synthetic liner be used in the pit? Yes No If so, what 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: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Freshwater/Gel

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? Bentonite

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

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

-Landfill or offsite name/permit number? _____

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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 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 Hollie M. Medley
Company Official (Typed Name) Hollie M. Medley
Company Official Title Regulatory Manager

Subscribed and sworn before me this 23rd day of July, 2018

Brenda Malone-Pence Notary Public

My commission expires February 06, 2023



Proposed Revegetation Treatment: Acres Disturbed 0.4 Prevegetation pH TBD

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 200 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	46	Orchard Grass	46
Red Clover	8	Red Clover	8
Tertraploid Perennial Rye	16	Tertraploid Perennial Rye	16
Timothy 15	Annual Rye 15	Timothy 15	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: *Hayne J. Kimbrell*

Comments: _____

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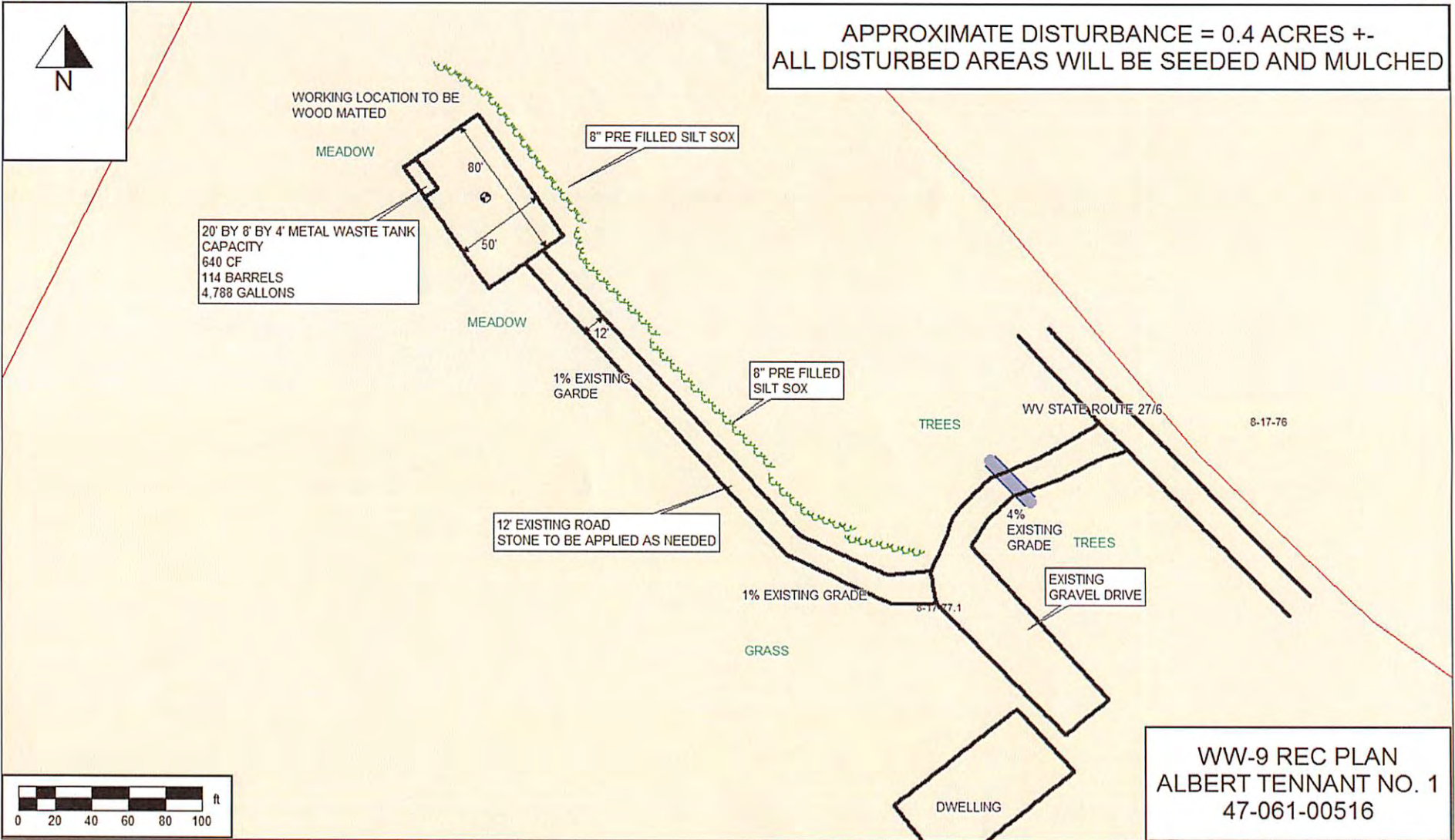
JUL 30 2018

Reclaim SITE ASAP.

WV Department of
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Title: Inspector Date: 7/23/2018

Field Reviewed? () Yes () No



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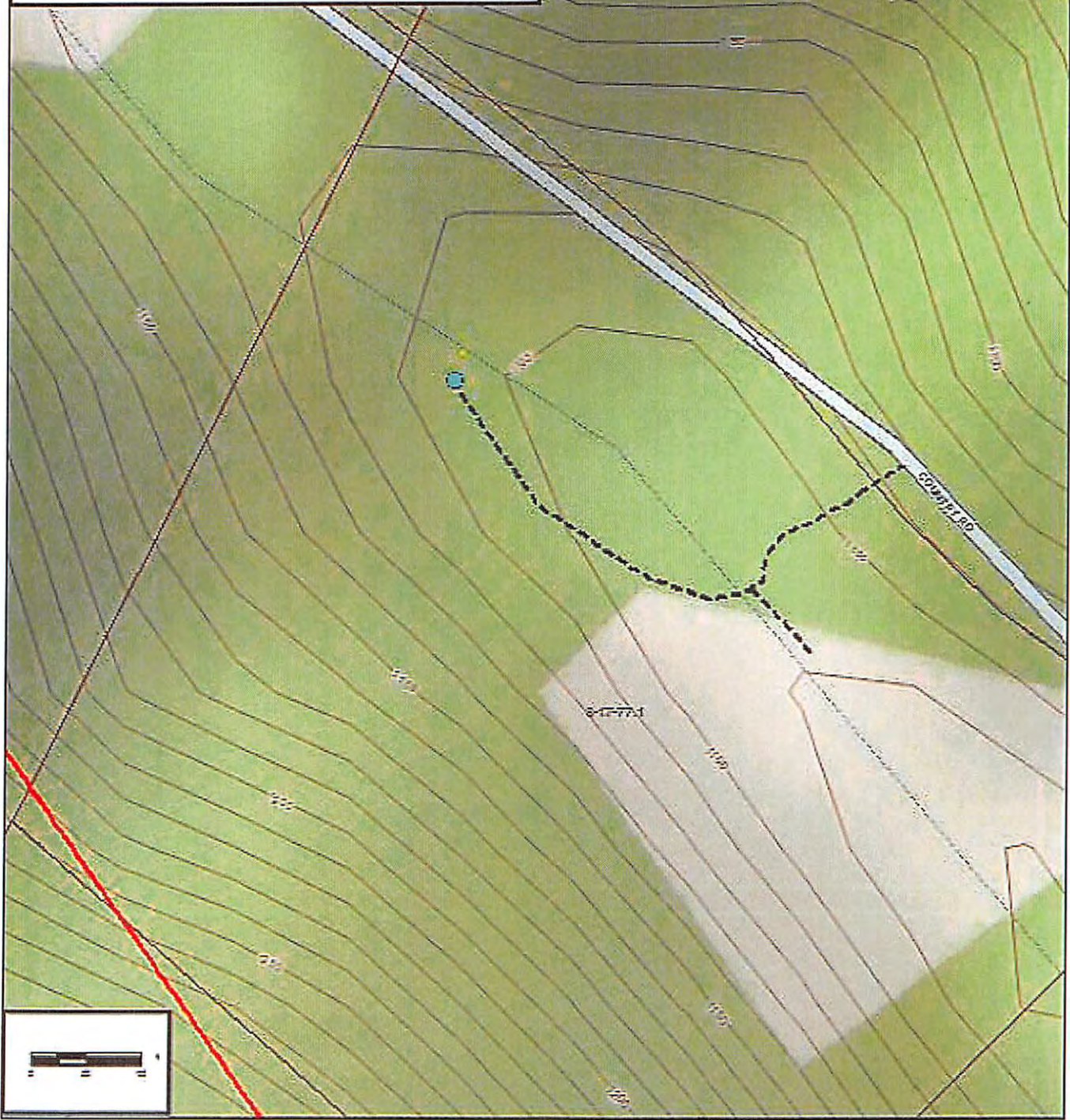
47-061-00516



XMap© 7

09/21/2018

ALBERT TENNANT NO. 1
 UTM Nad 83:
 Easting: 569338.7
 Northing: 4389227. 2
 Blacksville 7.5' USGS Quad



Data use subject to license.

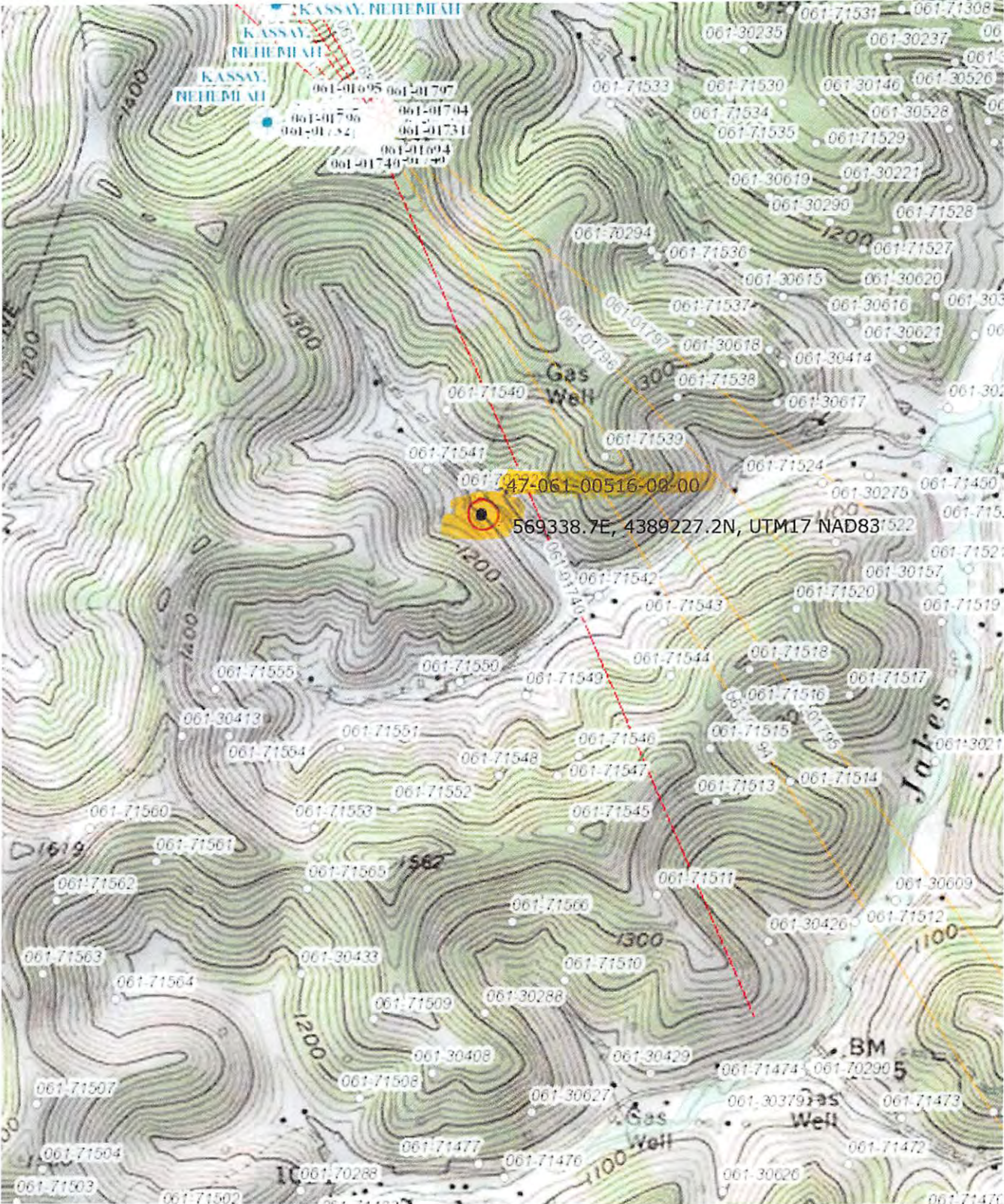
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WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-061-00516 WELL NO.: 1

FARM NAME: Albert Tennant

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville

SURFACE OWNER: Waitman D. Towns

ROYALTY OWNER: Brenda Sue Sweet, et al

UTM GPS NORTHING: 4389227.2

UTM GPS EASTING: 569338.7 GPS ELEVATION: 1,086'

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.

Holliman
Signature

Regulatory Manager
Title

7-13-18
Date

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