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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, April 19, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

COLUMBIA GAS TRANSMISSION, LLC  
STORAGE TECHNICAL SERVICES - 6TH FLOOR  
1700 MACCORKLE AVE. SE.  
CHARLESTON, WV 25314

Re: Permit approval for 7370  
47-077-00006-00-00

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

A blue ink signature of James A. Martin, Chief, is written over the printed name and title.

Operator's Well Number: 7370  
Farm Name: EBERLY, O.  
U.S. WELL NUMBER: 47-077-00006-00-00  
Vertical Plugging  
Date Issued: 4/19/2022

Promoting a healthy environment.

04/22/2022

## 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

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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.

4707700006P

<b>WELL JOB PLAN</b>		<b>STS Well Engineering &amp; Technology</b>		PAGE 3	DATE JOB PREPARED: 1/19/2022
Objective: Plug and Abandon				LAST PROFILE UPDATE:	
TITLE: Plug and Abandon	WELL: 7370 (OB)			WORK TYPE: MOD	
FIELD: Terra Alta	SHL (Lat/Long): 39.42558 -79.5675			API: 47-077-00006-0000	
STAT: WV	BHL (Lat/Long): 39.42558 -79.5675			CNTY: Preston	
TWP: Portland					

PROCEDURE (page 1)

**NOTE: All cement used will be Class A, slurry weight 15.6ppg, slurry yield 1.18 cuft/sk. All spacers will be 6% Bentonite gel**  
**\*\* Restricted WH, vintage 1948 FS casing (up to 33% metal loss)**  
**\*\* No record of plug-back material. Attempt to re-drill to original TD, no hydrocarbon bearing zones anticipated.**

- 1 Obtain State well work permit, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- 2 Notify landowner.
- 3 Obtain General Work Permit and Wellsite Review & Turnover Form from Operations.
- 4 Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
- 5 Notify environmental inspector prior to beginning work. If required, notify State/Federal regulatory agencies prior to beginning work.
- 6 Prepare access road and well site. Install ECD's per EM&CP.
- 7 Document and report to WE&T the initial casing and annular pressures.
- 8 Blow down all annuli and replace fittings as necessary. Leave annuli open to atmosphere for monitoring.  
 \* If there is no access to primary annulus, will have to hot tap, per sequence below.
- 9 Kill well with 10.9 ppg viscosified fluid.
- 10 Run caliper (01.08.2020 Intex CBL ran 6.109" junk catcher gauge ring to 5450' successfully) to determine lb/ft of 7" csg and to select RBP.
- 11 Install RBP @ 5445' and pressure test RBP to 500 psig, to confirm integrity.
- 12 Remove 3K master valve and install API 7-1/16" x 7" 8rd STC companion flange + 7-1/16" 5K gate valve.
- 13 Dig around base of wellhead to uncover casing tops and remove cement if present.
- 14 Hot tap primary annulus if applicable. Install fittings to control annular pressure if needed.
- 15 Load / top 7x10 annuli with kill fluid. Top off all remaining annuli with FW. Document volumes.
- 16 Pull RBP using wireline.
- 17 MIRU service rig.
- 18 NU 7-1/16" Cameron BOPE (blind/shear + pipe + annular). Will need kill/choke outlets below blind/shear rams.
- 19 Function and pressure test BOPE to low (250 psig) and high. If caliper indicates 20 ppf casing, pressure test high to 3500 psig. If caliper indicates 23 ppf casing, pressure test high to 4000 psig. Utilize DP/packer to perform pipe ram and annular test.
- 20 RIH with 6.125" steel tooth bit, bit sub w/ float, SN sub, and 2-7/8" work string, and attempt to clean to original TD. **- SHOT HOLE 5629' TD**
- 21 Install balanced cement plugs from TD to ~5200'. PU above cement top, reverse circulate to clean tubulars, pull 10 joints, close pipe rams, and WOC (minimum 8 hrs). **5655'**  
 \* Note well records indicate the 7" was aqua-gelled to surface, however an Intex CBL from 2008 shows top of cement at ~5216'.  
 gma
- 22 RIH and tag cement. If cement top is deeper than 5300' then spot a second balanced cement plug.
- 23 Install 7" CIDBP above cement plug.
- 24 Top off 7" with kill fluid and perform 500 psig pressure test to verify integrity of BP.
- 25 Top off 7x10 and 10x13 annuli with fluid again.
- 26 Plumb 7x10 and 10x13 annuli to flowback tank with adjustable choke.
- 27 Perforate 7" csg above CIBP and attempt to circulate to surface or establish injection.  
 \* Consult with WE&T engineer on results.
- 28A If circulation to surface established, circulate kill weight fluid until good kill density fluid is returned. Consult with WE&T engineer to confirm procedure:
  - > RIH with sliding-sleeve style cement retainer on work string
  - > Set retainer above perfs
  - > Establish circulation
  - > Squeeze cement behind 7" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement at 500'.
  - > Disengage from retainer, reverse circulate to clean tubulars, and TOH.
  - > WOC 24 hours.
  - > Obtain CBL
- 28B If no circulation to surface, but injection established, consult with WE&T engineer to confirm procedure:
  - > RIH with sliding-sleeve style cement retainer on work string
  - > Set retainer above perfs
  - > Establish injection
  - > Disengage from retainer and spot cement at bottom of work string
  - > Squeeze cement behind 7" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement at 500'.
  - > Disengage from retainer, reverse circulate to clean tubulars, and TOH.
  - > WOC 24 hours.
  - > Obtain CBL

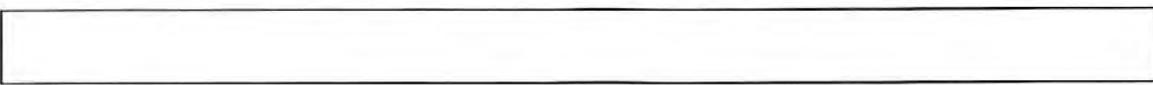
PREPARED BY: Maria Medvedeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 1/19/2022		MJK 2/3/2022

RECEIVED  
 Office of Oil and Gas  
 FEB 9 2022  
 WV Department of Environmental Protection  
 04/22/2022

4707700006P

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DIST/TWP: Portland					

PROCEDURE (page 2)



- 28C If circulation / injection not established; Perforate (per WE&T engineer) and repeat process above.  
 \* Note that during steps above cement plugs must be installed across all perf zones, casing shoes, and O/G/W zones (shallowest gas / water show observed at 4043').  
**The process above will require communication with WE&T engineer to determine a plan of action.**
- 29 ND BOPE.
- 30 Release all annular pressure and top off.
- 31 Weld pulling nipple on 7" csg and pull seals and slips. Dress top of 10-3/4" csg to accommodate BOP.
- 32 Optional depending on the well conditions and plugback depth of the 7" csg: NU drilling spool and 11" annular BOP on top of 10-3/4" csg. Need kill/choke outlets below annular.
- 33 Function and attempt to pressure test BOPE to low (250 psig) and high (500 psig). Report results to WE&T engineer.
- 34 Wireline freepoint and cut / pull all 7" casing that is free.
- 35 TIH with work string and install balanced cement plugs from top of last cement plug to 500'.
- 36 POOH to above cement, reverse circulate to clean tubulars, close BOP, and WOC (minimum 6 hrs).
- 37 RIH and tag cement. Install second cement plug if required to reach desired TOC of 500'.
- 38 TOOH. ND BOPE, if installed, and remainder of wellhead.
- 39 Weld pulling nipple on the 10-3/4" csg.
- 40 Attempt to pull all the 10-3/4" casing. If can't pull all, then wireline freepoint and cut/pull all 10-3/4" casing that is free.
- 41 TIH with work string and install balanced cement plugs from top of last cement plug to surface.
- 42 Grout all annuli as deep as possible.
- 43 RDMO service rig.
- 44 Erect monument per state regulations. Reclaim location and lease road.
- 45 P&A complete.
- 46 Notify REG / WE&T / Project controller that project is in-service.

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 WV Department of  
 Environmental Protection

PREPARED BY: Maria Medvadeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 1/19/2022		MJK 2/3/2022

04/22/2022

~ not to scale ~

# TERRA ALTA 7370

## Proposed P&A

(as of 01/19/2022)

Sea Level @ 2154 ft

Cut / pull 7" cement from 500'

13-3/8" csg @ 18'  
(no record of cement)

10-3/4" csg @ 251'  
(no record of cement)

8-5/8" csg ran/pulled – csg seat @ 1500'

Attempts will be made to perf and squeeze cement behind 7" csg.

Cast Iron Bridge plug

7" csg @ 5460'  
- no historic record of cement;  
- records indicate aqua-gelled to surface;  
- 2008 Intex CBL notes a TOC of 5216'.

Noted PBTB 5761'

- No historic record of plug back material.  
- Attempt to re-drill to TD and plug back with cement.

Gas pocket and salt water show @ 4043'  
Gas pocket @ 4500'  
Salt water pocket @ 5285'

Lime  
4469 - 4629'  
5007 - 5026'

Marcellus 5410 - 5448'

Onodaga 5449 - 5473'

Chert 5473 - 5611'

Oriskany 5628 - 5778'  
(gas storage)

Helderberg 5769'

Lime  
6304 - 6838'

Broken / Hard Lime shells  
6853 - 8084'

Shale / Lime / Sand

Clinton 8688 - 8940'

TD 8940'

*SHOT HOLE FROM 5628 - 5655' ydm*

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Office of Oil and Gas

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WV Department of  
Environmental Protection

04/22/2022



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Sheet 1 of 2

*Kingwood*

WELL RECORD

Permit No. Fron - 6

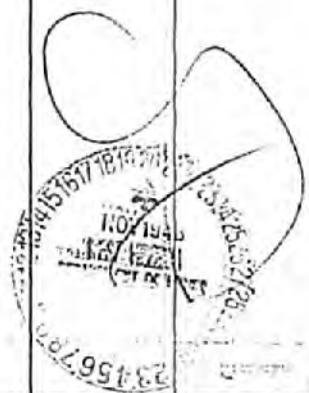
Oil or Gas Well Gas

Company William E. Snos & Orville Eborly  
 Address P.O. Box 313, West Elizabeth, Pa.  
 Farm Virginia S. Cupcott Acres 72-1/2  
 Location (waters) Salt Lick Creek  
 Well No. 1 Elev. 2137  
 District Portland County Proston - W. Va.  
 The surface of tract is owned in fee by Virginia S. Cupcott Address Terra Alta, W. Va.  
 Mineral rights are owned by Ditto  
 Address \_\_\_\_\_  
 Drilling commenced July 24, 1947  
 Drilling completed 9-17-48 (this date)  
 Date Shot 10-15-48 From 5023' To 5055'  
 With 120 quarts  
 Open Flow 39/10ths Water in 2" before shooting Inch  
43/10ths Water in 1 1/2" after shooting Inch  
 Volume 277,000 Cu. Ft.  
 Rock Pressure 2365 lbs. 67-4 hrs. 1/2/48  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13	18 1/4"		
10	25 1/2"		Size of _____
7 1/2" N.P.	5160'	5160'	_____ galled to _____
5 1/2" N.P.	1500'	Pulled	Depth set _____
5 3/16			
3			Perf. top _____
2		5725 1/2'	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT 7000 FEET \_\_\_\_\_ INCHES  
 FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Top soil			0	18			
Slate, Shells			18	13 1/5			
Shale	Brown		13 1/5	13 3/3			
Slate & Shells			13 3/3	16 5/5			
Slate	Dark		16 5/5	18 10			
Slate & Shells			18 10	31 0/5			
Shale	Dark		31 0/5	31 3/7			
Dark Slate & Shells			31 3/7	32 0/0			
Light Slate & Shells			32 0/0	33 0/0			
Shale	Dark		33 0/0	33 8/2			
Shale	Brown		33 8/2	33 9/2			
Shale	Black		33 9/2	44 5/9			
Gas pocket & salt water							
40 4/3							
Lime & Shale			44 5/9	46 1/9			
Gas pocket							
45 0/0							
Lime (Tully)			46 1/9	46 2/9			
Slate	Dark		46 2/9	50 0/7			
Lime			50 0/7	50 2/6			
Slate	Dark		50 2/6	50 5/0			
Slate	Light		50 5/0	51 1/3			
Slate	Dark		51 1/3	51 3/5			
much darker			51 3/5	51 10			
Salt water pocket exhausted in 3 runs @ 5285							
Marcollus "Brown Break"			51 10	51 18			
Onondaga			51 18	51 19			
Chert			51 19	51 7/3			
Slate	Dark		51 7/3	52 1/1			
Slate	Dark		52 1/1	52 2/3			
Sand-Criskey			52 2/3	57 7/8			
Dark Gray (lime)			57 7/8	63 0/4			
			63 0/4	63 3/8			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Dark Gray Salt & (Sulphur)			6930	6953			
Broken limo & hard limo shells			6953	8004			
Sand	Red		8004	8089			
Shale	Green		8089	8215			
Lime	Dark		8215	8300			
Shale	Light		8300	8405			
Lime			8405	8425			
Shale	Red		8425	8445			
Shale	Green		8445	8607			
Sand	Red		8607	8613			
(corrected measurement)							
Shale	Gray		8613	8676			
Quartzite shell			8676	8690			
Shale	Dark Gray		8690	8690			
Sand	White		8690	8704			
Dark Shale & white sand			8704	8726			
Shale	Dark Gray		8726	8751			
Sand	Dark		8751	8763			
Sand	White		8763	8766			
White sand & dark slate (hard)			8766	8775			
Sand	Gray		8775	8788			
Sand	Light Gray		8788	8793			
Dark Shale break			8793	8804			
Sand	Gray		8804	8811			
Grey sand (very hard)			8811	8812			
Grey sand (some limo)			8812	8814			
Quartzite shell (very hard)			8814	-			
Grey sand & Quartzite (limoy)			8814	8820			
Sand	Light Brown & Green		8820	8822			
Sand	Gray		8822	8836			
Sand	Chocolate		8836	8837			
Sand	White		8837	8840			
Sand	Light Brown		8840	8843			
Grey Sand (Sand pit is brown)			8843	8845			
Sand	White		8845	8850			
Sand	Light Brown		8850	8855			
Sand	White		8855	8898			
Sand	Gray		8898	8912			
Sand	White		8912	8940			
Gas: 5630-31 50/10" water - 1-1/4" on fire 5636-38 25/10" water - 2" opening pitot tube test 5649-50 46/10" water - 2" opening pitot tube test decreased in 8 hours to 35/10" water - 2" opening pitot tube test 5650-51 41/10" water - 2" opening pitot tube test 5651-53 Gas pocket, blow at estimated 750,000 cu. ft. per day decreased in 1 hour to 45/10" water - 2" opening pitot tube test decreased in 5 hours to 35/10" water - 2" opening pitot tube test 5654-55 50/10" water - 2" opening pitot tube test, decreased in 5 days to 46/10" water - 2" opening pitot tube test							

Date \_\_\_\_\_ 19\_\_

APPROVED \_\_\_\_\_ Owner

By \_\_\_\_\_ (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. \_\_\_\_\_ Oil or Gas Well \_\_\_\_\_ (KIND)

Company _____	Casing and Tubing _____	Used in Drilling _____	Left in Well _____	Packers _____
Address _____	Size _____			
Farm _____ Acres _____	16 _____			Kind of Packer _____
Location (waters) _____	18 _____			
Well No. _____ Elev. _____	10 _____			Size of _____
District _____ County _____	8 1/2 _____			Depth set _____
The surface of tract is owned in fee by _____	6 1/2 _____			
Address _____	5 3/16 _____			Perf. top _____
Mineral rights are owned by _____	3 _____			Perf. bottom _____
Address _____	2 _____			Perf. top _____
Drilling commenced _____	Liners Used _____			Perf. bottom _____
Drilling completed _____				
Date Shot _____ From _____ To _____				
With _____				
Open Flow _____ /10ths Water in _____ Inch _____				
_____ /10ths Merc. in _____ Inch _____				
Volume _____ Cu. Ft. _____				
Rock Pressure _____ lbs. _____ hrs. _____				
Oil _____ bbls. 1st 24 hrs. _____				
Fresh water _____ feet _____ feet _____				
Salt water _____ feet _____ feet _____				

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

GOAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Continued - From Sheet 1							
							5746-50 50/10" water - 2" opening pitot tube test
							Gradually declined from 50/10" water - 2" opening at 5750' on Dec. 5, 1947, while drilling deeper to 45/10" water - 2" opening pitot tube test on June 26, 1948.
							Note: Between 8763-65 drillers thought gas may have increased as test showed 48/10" water - 2" opening pitot tube test. However, at 8604 on July 1, 1948 gas was testing on 44/10" water 2" opening pitot tube test.
							Last drilling ahead 9-17-46. Bad hole prevented further deepening beyond 8940.
							Open flow test before acidizing 43/10" water - 2" opening pitot tube test.
							Acidized 11-9-48 by Dowell, Inc. - 3000 gal
							Open flow test 11-11-48, after acidizing estimated 3 million cu. ft. per day
							11-17-48 putting in line 900,000 cu. ft. per day against back pressure of 490 lbs., delivery volume & back pressure still dropping.
							Started to tear up November 13, 1948.



(Over)

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
WELL RECORD

Cx A 469  
7370

Permit No. Pres. 6  
Kingwood Quad.  
Company

Address  
Farm  
Location  
Well No.  
District  
Surface  
Mineral  
Commenced  
Completed  
Date shot

Open flow  
Volume  
Rock Pressure

Gas Well  
CASINO & TUBING

William E. Snee and Orville Eberly  
c/o William E. Snee 13 18'4  
P.O. Box 318, W. Elizabeth, Pa. 10 231'  
Virginia S. Cuppert A 72 1/2 7 OD 5460'6-aqua-  
Salt Lick Creek 8 1500 galled to  
1 Elev. 2137 Fld. 8 1/2 top  
Portland Preston, County 2 5735'8  
Virginia S. Cuppert, Terra Alta, W. Va.  
Ditto No coal  
July 24, 1947  
9-17-48 (last new hole made this date)  
10-15-48 Depth 5628 to 5658  
with 120 qts.  
39/10ths 3 2" before shooting  
45/10ths 2 2" after shooting  
377,000 C.F.  
2365 lbs. 8 1/2 hrs.

~~5-2-48~~

Top Soil	0	18	Grey Sand some lime	8812	8814
Slate Shells	18	1345	Quartzite shall WH	8814	
Shale Br	1345	1383	Grey Sand & Quartzite	8814	Limey 8820
Slate & Shells	1383	1655	Sand Lt Br & Green	8820	8823
Slate Dk	1655	1810	Sand Gr	8822	8826
Slate & Shells	1810	2105	Sand Chocolate	8826	8837
Shale Dk	2105	2137	Sand Wh	8837	8840
Dark Slate & shells	2137	2200	Sand Lt Br	8840	8843
Light Slate & Shells	2200	2800	Grey Sand	8843	8848
Shale Dk	2800	2822	Sand pit is brown		
Shale Br	2822	2892	Sand Sh	8845	8850
Shale Blk	2892	4429	Sand Lt Br	8850	8855
Lime & Shale	4429	4619	Sand Wh	8855	8858
Lime (Tully)	4619	4629	Sand Gr	8858	8912
Slate Dk	4629	5007	Sand Wh	8912	8940
Lime	5007	5028	Gas pocket and salt water 4043		
Slate Dk	5028	5050	Gas pocket 4500; salt water pocket		
Slate Lt	5050	5113	exhausted in 3 runs at 5305		
Slate Dk	5113	5135	GAS: 5620-51 50/10" W-1-1/4 on fire		
Slate Much darker	5135	5410	5620-28 25/10 W 3" opag. pilot tube test		
Marcellus	5410	5449	5649-50 45/10 W 3" opag. " decreased		
Brown Break	5449	5473	in 8 hrs. to 25/10 W-3" opag. pilot T.F.		
Onondaga	5473	5473	5650-51 41/10 W 2" opag. pilot tube test		
Shert	5473	5611	5651-53 gas pocket, blow at estimated		
Slate Dk	5611	5628	750,000 C.F. per day decreased in 1 hr.		
Sand Oriskany	5628	5778	to 45/10" W -2" opag. pilot tube test		
Dark Gray	5778	6304	decreased in 6 hrs. to 25/10" W -2"		
Lime	6304	6328	opag. pilot tube test; 5694-95 50/10 W 2"		
Dk. Gray Salt & Sulphur	6328	6823	opag. pilot tube test, decreased in 3		
Broken lms & hard Lime shells 6823	6823	8084	days to 45/10" water- 2" opag. pilot		
Sand Red	8084	8089	tube test, 5744-50 50/10 W -3" OPTT,		
Shale Green	8089	8215	Gradually declined from 50/10" W -3"		
Lime Dk	8215	8300	opag. at 5750' Dec. 5, 47, while drilling		
Shale Lt	8300	8405	deeper to 45/10 W-2" opag. pilot tube test		
Lime	8405	8425	June 26, 48. NOTE: Between 5762-45 drill-		
Shale Red	8425	8445	ers thought gas may have increased as		
Shale Green	8445	8407	test showed 40/10 W-2" opag. RTI-However,		
Sand Red	8407	8613	at 8504 July 1, 48 gas was testing on		
Shale Gr	8613	8476	44/10 W 2" Opag. Pilot tube test. Last		
Quartzite shell	8476	8658	drilling ahead 9-17-48. Bad hole, pre-		
Shale Dk Gr	8658	8690	vented further deepening beyond 8640.		
Sand Wh	8690	8704	Open flow test B. side, 45/10 W 2" Opag.		
Dark Shale and White Sand	8704	8726	acidized 11-9-48 by Dowell Inc. -3000 G.		
Shale Dk Gr	8726	8752	Open flow test 11-11-48 after acidizing		
Sand Dk	8752	8763	est. 3 million C.F. per day.		
Sand Wh	8763	8766	11-17-48 putting in line 900,000 U.F.		
White Sand & Dk. Slate H	8766	8775	per day against back pressure of 400 lbs.		
Sand Gr	8775	8788	delivery volume & back pressure still		
Sand Lt Gr	8788	8793	dropping.		
Dk. Shale Break	8793	8804	Started to tear up Nov. 13, 1948		
Sand Gr	8804	8811			
Gray Sand WH	8811	8812			

450-7370

1) Date 47077,00006P  
2) Operator's Well No. Terra Alta 7370  
3) API Well No. 47-077 - 00006

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 / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage X) Deep X / Shallow \_\_\_

5) Location: Elevation 2148.3 ft Watershed Saltlick Creek  
District Portland County Preston Quadrangle Terra Alta

6) Well Operator Columbia Gas Transmission LLC 7) Designated Agent Maria Medvedeva  
Address 1700 MacCorkle SE Address 1700 MacCorkle SE  
Charleston, WV 25314 Charleston, WV 25314

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Gayne Knitowski Name Contractor Services Inc  
Address PO Box 108 Address 929 Charleston Road  
Gormanian, WV 26720 Spencer, WV 25276

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

Refer to enclosed:

- 1) Well job plan.
- 2) Prior to P&A wellbore schematic.
- 3) Proposed P&A wellbore schematic.

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Office of Oil and Gas  
FEB 9 2022  
WV Department of  
Environmental Protection

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

Work order approved by inspector Gayne Knitowski Date 2/3/2022

WW-4A  
Revised 6-07

4707700006P

1) Date: 01.18.2022  
2) Operator's Well Number  
Terra Alta 7370

3) API Well No.: 47 - 077 - 00006

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>Kenneth &amp; Melanie Haines</u>	Name <u>Not operated</u>
Address <u>5953 Michaels Ct.</u>	Address _____
<u>Keedysville, MD 21756</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 103</u>	Name _____
<u>Gorman, WV 26720</u>	Address _____
Telephone <u>304.546.8171</u>	_____

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Office of Oil and Gas

FEB 9 2022

WV Department of  
Environmental Protection

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

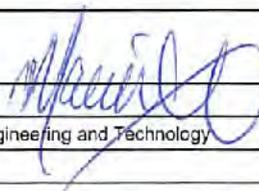
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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.

CK# 055301  
Amt \$ 100  
Date 2/1/22

Well Operator Columbia Gas Transmission

By: Maria Medvedeva 

Its: Senior Wells Engineer - Well Engineering and Technology

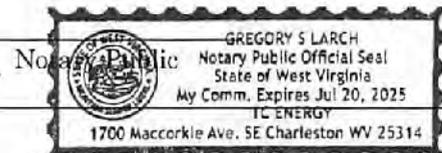
Address 1700 MacCorkle Ave SE

Charleston, WV 25314

Telephone 304-410-4313

Subscribed and sworn before me this 26 day of Jan

My Commission Expires July 20 2025



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](mailto:depprivacyofficer@wv.gov).

04/22/2022

Columbia Gas Transmission, LLC  
 1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



January 20, 2022

Kenneth and Melanie Haines  
 5953 Michaels Ct  
 Keedysville, MD 21756

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Terra Alta 7370 (API 47-077-00006).

As part of the well permitting process, Columbia, the well operator, is required to provide a copy of all applicable permit application forms for your review and record retention.

Regards,

Maria Medvedeva  
 Senior Wells Engineer  
 Well Engineering & Technology  
 Columbia Gas Transmission, LLC

RECEIVED  
 Office of Oil and Gas  
 FEB 9 2022  
 WV Department of  
 Environmental Protection

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Keedysville, MD 21756

**OFFICIAL USE**

Certified Mail Fee	\$3.75
Extra Services & Fees (check box, add fee if appropriate)	\$7.95
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$8.95
Total Postage and Fees	\$15.75

Sent To: Kenneth & Melanie Haines  
 Street and Apt. No., or PO Box No.: 5953 Michaels Ct  
 City, State, ZIP+4®: Keedysville MD 21756

PS Form 3800, April 2015 PSN 7530-02-000-9017 See Reverse for Instructions

7021 1970 0001 1850 2549

JAN 28 2022  
 CHARLESTON, WV 25304

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <input checked="" type="checkbox"/> Signature  <input type="checkbox"/> Agent  <input type="checkbox"/> Address</p> <p>B. Received by (Printed Name)            COIA</p> <p>C. Date of Delivery            1/31/22</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes            If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:            Kenneth &amp; Melanie Haines            5953 Michaels Ct.            Keedysville, MD 21756</p>	<p>3. Service Type  <input type="checkbox"/> Adult Signature  <input type="checkbox"/> Adult Signature Restricted Delivery  <input type="checkbox"/> Certified Mail®  <input type="checkbox"/> Certified Mail Restricted Delivery  <input type="checkbox"/> Collect on Delivery  <input type="checkbox"/> Collect on Delivery Restricted Delivery  <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p>4. Priority Mail Express®  <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>
<p>2. Article Number (Transfer from service label)            7021 1970 0001 1850 2549</p>	<p>04/22/2022</p>

[www.tcenergy.com](http://www.tcenergy.com)

**SURFACE OWNER WAIVER**

4707700006P

Operator's Well  
Number

Terra Alta 7370

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.  
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials. **RECEIVED**  
Office of Oil and Gas

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FEB 9 2022

FOR EXECUTION BY A CORPORATION,

	Date	By Its		Date
Signature		WV Department of Environmental Protection		

Signature

Date  
04/22/2022

WW-4B

API No. 4707700006  
 Farm Name \_\_\_\_\_  
 Well No. Terra Alta 7370  
 Coal not operated

**INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned coal operator \_\_\_\_/ owner \_\_\_\_/ lessee \_\_\_\_/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

By: \_\_\_\_\_

Its \_\_\_\_\_

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Office of Oil and Gas

FEB 9 2022

WV Department of  
Environmental Protection

04/22/2022

WW-9  
(5/16)

4707700006P

API Number 47 - 077 - 00006  
Operator's Well No. - Terra Alta 7370

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

Operator Name Columbia Gas Transmission OP Code 307032

Watershed (HUC 10) Saltlick Creek Quadrangle Terra Alta

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: fresh water, brine, cement returns, bentonite gel

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-GPP)
- Underground Injection ( UIC Permit Number 34-167-23862 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Mud Master 64054; Reserve Environmental Services (WMGR 123SW008)  
Appalachian Water Services (WMGR 123SW001))

Will closed loop system be used? If so, describe: No

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

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

Additives to be used in drilling medium? N/A

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

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

-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 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 *Maria Medvedeva*  
Company Official (Typed Name) Maria Medvedeva  
Company Official Title Senior Wells Engineer - Well Engineering and Technology

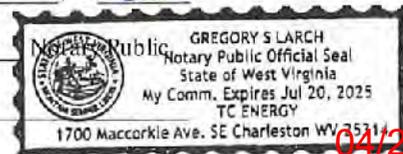
RECEIVED  
Office of Oil and Gas

FEB 9 2022

WV Department of  
Environmental Protection

Subscribed and sworn before me this 26 day of Jan, 2022

*Cory Tule*  
My commission expires July 20 2025



04/22/2022

Proposed Revegetation Treatment: Acres Disturbed <1.0 Prevegetation pH 6-7

Lime 2 Tons/acre or to correct to pH 7-8

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch hay or straw @ 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Rye	40	Orchard Grass and/or Tall Fescue	29
		Birdsfoot trefoil (empire)	9
		Annual Rye	12

For wetland areas: Annual Rye (40 lbs/acre) until indigenous plants re-establish cover.

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: \_\_\_\_\_

*Handwritten signature*

Comments: \_\_\_\_\_

Reclaim site ASAP

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Office of Oil and Gas

FEB 9 2022

WV Department of  
Environmental Protection

Title: Inspector

Date: 2/3/2022

Field Reviewed? (  ) Yes

(  ) No

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

Operator Name: Columbia Gas Transmission LLC  
Watershed (HUC 10): Saltlick Creek Quad: Terra Alta  
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.

- No fluids planned to be discharged.  
- No fertilizer will be stored on site. Small quantities of fuel, oil, and lubrications will be stored on site, but located within secondary containment.  
- Accidental release from well fluids and spills from construction equipment are the only sources of contaminants to groundwater.  
- All accumulated fluids to be hauled off site to UIC disposal facility.

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

All construction and well servicing equipment will be monitored and inspected daily for leaks. Spill kits will be on site.

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

Saltlick Creek is at a distance of 0.09 miles NW.  
  
The Terra Alta Water Works (WV3303917) is the closest Well Head Protection Area at a distance of 1.9 miles NE from discharge area.

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

N/A

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Office of Oil and Gas  
FEB 9 2022  
WV Department of  
Environmental Protection

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

04/22/2022

N/A

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.

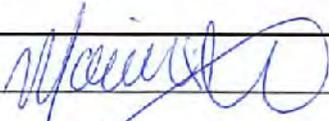
7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

During routine tailgate meetings, groundwater protection will be a topic of discussion.

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

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubricants will be stored on site, but located within secondary containment. Accidental release from well fluids and spills from construction equipment are the only sources of contaminants to groundwater.

All construction and well servicing equipment will be monitored and inspected daily for leaks or spills.

Signature: 

Date: 01.18.2022

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Office of Oil and Gas

FEB 9 2022

WV Department of  
Environmental Protection

04/22/2022

# WV DEP Reclamation Plan - Site Detail

Terra Alta well 7370 (API 47-077-00006)

- BMPs and erosion control devices to be utilized per WV DEP guidelines and Columbia's WV Environmental Construction Standards
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and surface material to be applied as needed

Limit of Proposed Disturbance on existing well site

Pit A  
50' x 10' x 4' deep

Pit B  
50' x 10' x 4' deep

1.0 acres

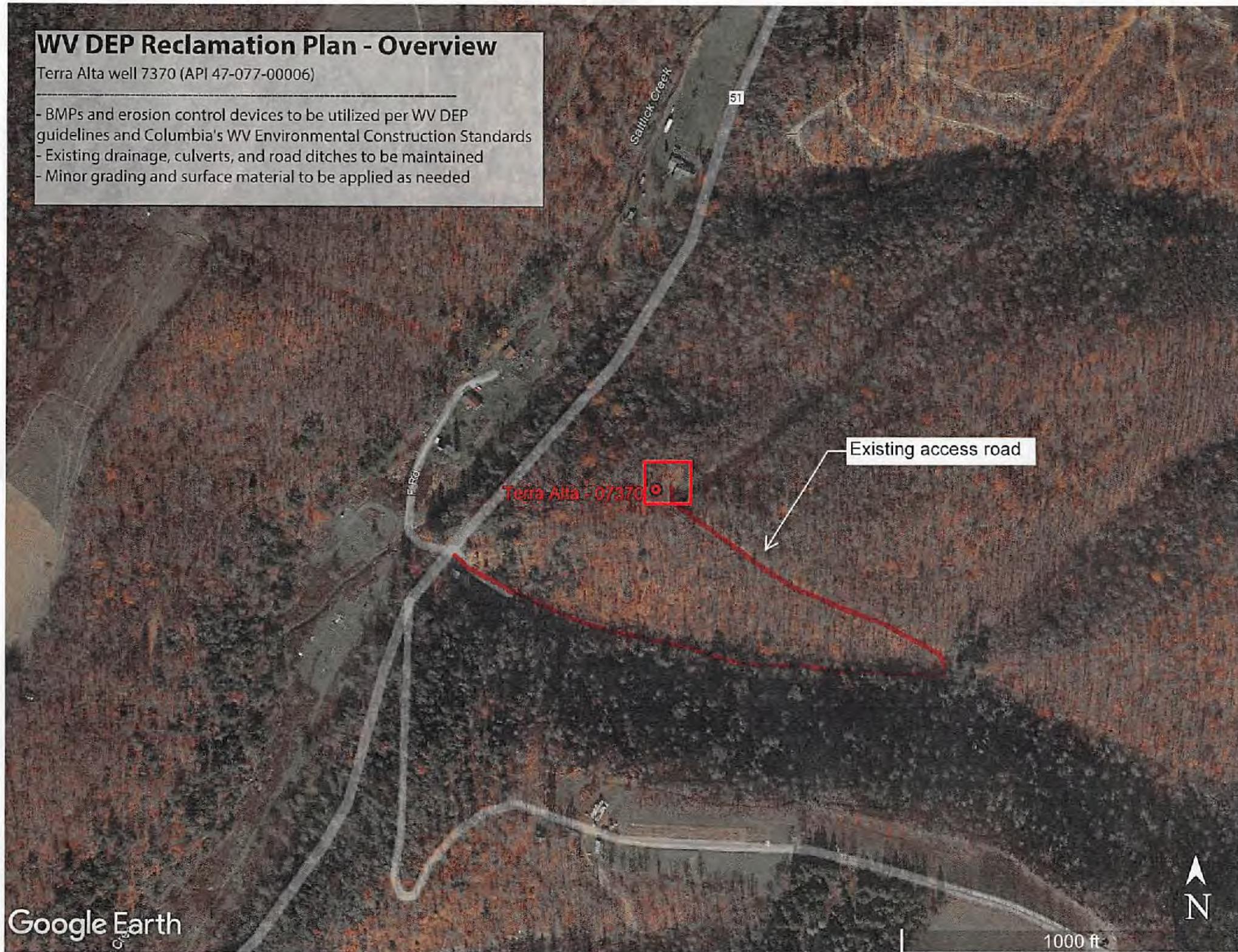
Terra Alta - 97370



# WV DEP Reclamation Plan - Overview

Terra Alta well 7370 (API 47-077-00006)

- BMPs and erosion control devices to be utilized per WV DEP guidelines and Columbia's WV Environmental Construction Standards
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and surface material to be applied as needed



Google Earth

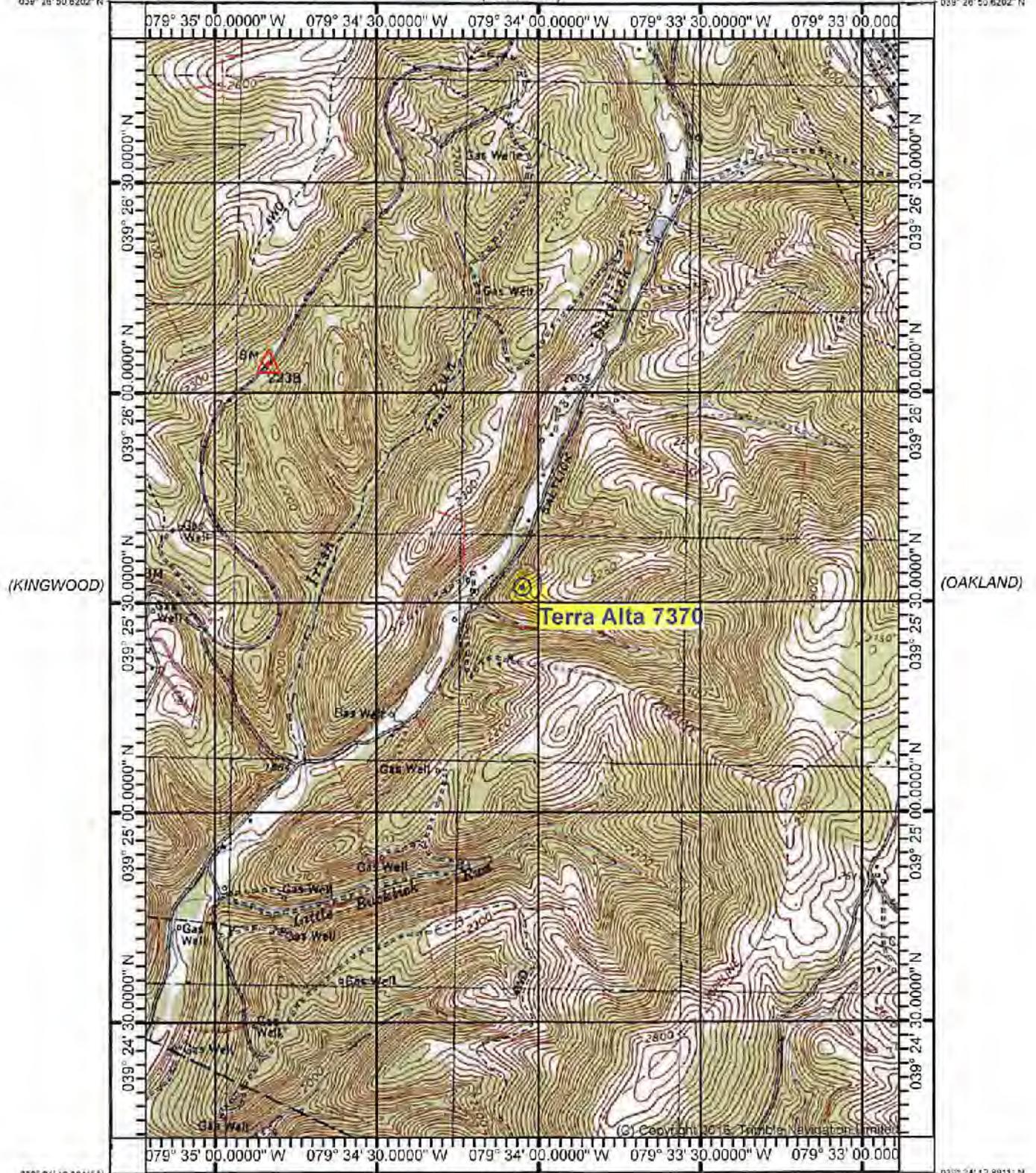
4707700006P

4707700006P

(VALLEY POINT) 

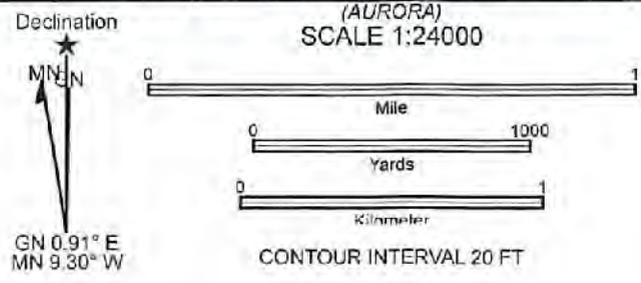
TERRA ALTA QUADRANGLE  
WEST VIRGINIA  
TOPOGRAPHIC SERIES (SANG RUN)

079° 35' 12.8737" W (CUZZART) 079° 32' 52.4843" W 039° 26' 55.6202" N



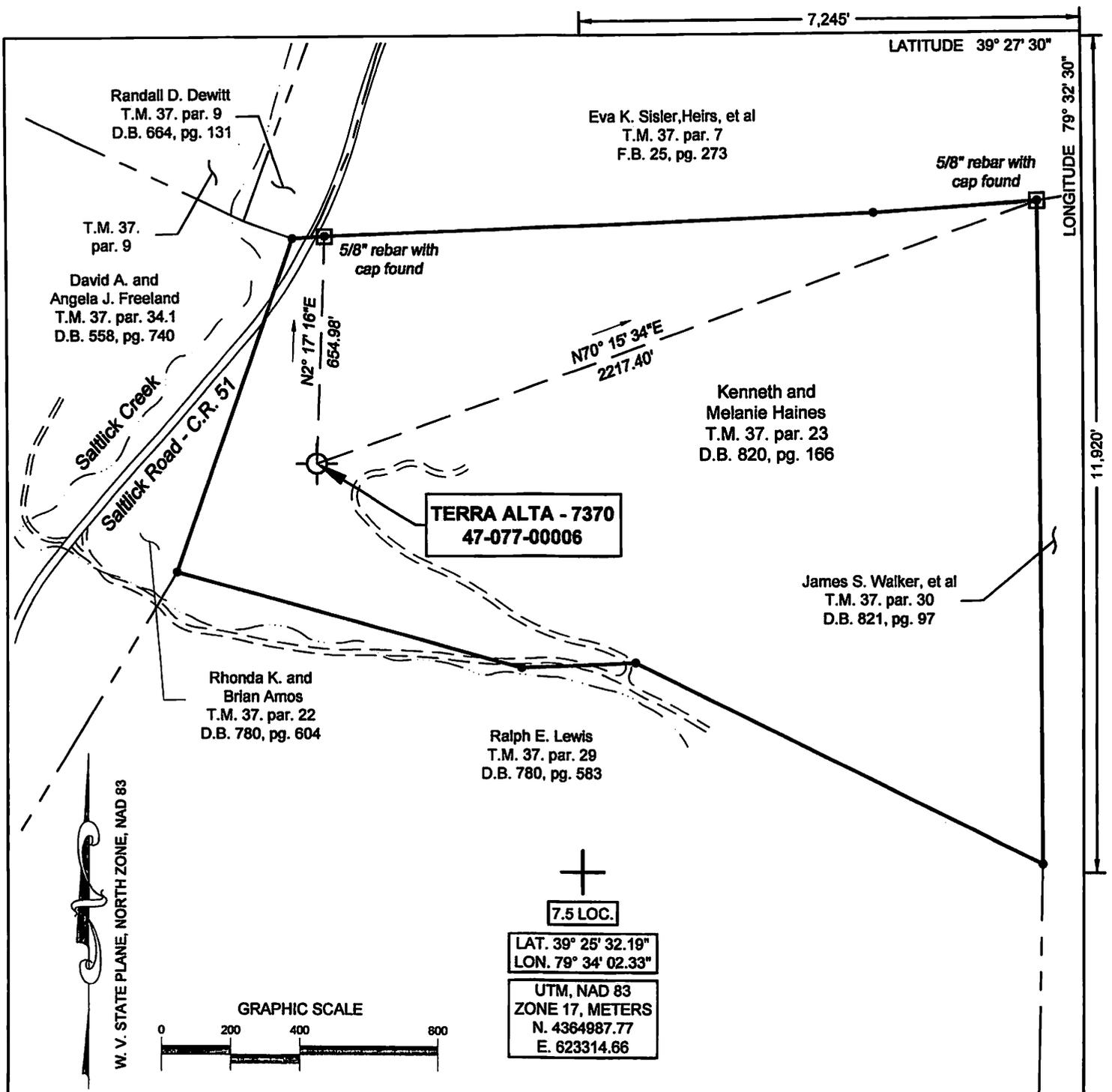
(ROWLESBURG) Declination (AURORA) SCALE 1:24000 (TABLE ROCK)

Produced by Trimble Terrain Navigator Pro  
Topography based on USGS 1:24,000  
Maps  
North American 1983 Datum (NAD83)  
To place on the predicted North American  
1927 move the projection lines 10M N and  
19M E



39079-D4-TM-024  
TERRA ALTA, WV  
JAN 1, 2000

04/22/2022



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

FILE No. 2001-3079-001-012  
 DWG No. TERRA ALTA-7370  
 SCALE 1"=400'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION TRIMBLE R10  
GPS UNIT

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 DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) *R. F. Thaw*  
 ROBERT F. THAW

PS #965



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



DATE JANUARY 18 2022  
 OPERATOR'S WELL No. 7370  
 API WELL No.

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  47 077 - 00006P  
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 2148.3' WATER SHED SALTICK CREEK  
 DISTRICT PORTLAND COUNTY PRESTON  
 QUADRANGLE TERRA ALTA, WV

SURFACE OWNER KENNETH AND MELANIE HAINES ACREAGE 72.8  
 OIL & GAS ROYALTY OWNER VIRGINIA CUPPETT  
 LEASE No. 1090397-000 LEASE ACREAGE 78

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 ORISKANY ESTIMATED DEPTH 8940

WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT MARIA MEDVEDEVA  
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS 1700 MACCORKLE AVE., S.E. CHARLESTON, WV 25314

FORM IV-6 (8-78)

04/22/2022



Stansberry, Wade A &lt;wade.a.stansberry@wv.gov&gt;

---

**Plugging Vertical Well Work Permit API: 47-077-00006)**

1 message

**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Tue, Apr 19, 2022 at 1:50 PM

To: maria\_medvedeva@tcenergy.com, cervin@prestoncountywv.gov, "Gayne J. Knitowski" &lt;gayne.j.knitowski@wv.gov&gt;

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

**47-077-00006 - 7370**

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

**Wade A. Stansberry****Environmental Resource Specialist 3****West Virginia Department of Environmental Protection****Office of Oil & Gas****601 57th St. SE****Charleston, WV 25304****(304) 926-0499 ext. 41115****(304) 926-0452 fax****[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)**

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**2 attachments** **IR-8 Blank.pdf**  
233K **47-077-00006 - Copy.pdf**  
2234K**04/22/2022**