



---

west virginia department of environmental protection

---

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, September 20, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT  
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for GENO # 7  
47-039-02770-00-00

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: GENO # 7  
Farm Name: GENO FARMS  
U.S. WELL NUMBER: 47-039-02770-00-00  
Vertical Plugging  
Date Issued: 9/20/2022

## 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

---

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.

4708902770P

WW-4B  
Rev. 2/01

1) Date 8/5, 20 22  
2) Operator's  
Well No. GENO#7  
3) API Well No. 47-039-02770

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 X or Underground storage \_\_\_) Deep \_\_\_ / Shallow X

5) Location: Elevation 778' Watershed CROUCH CREEK, ELK TWO MILE  
District MALDEN County KANAWHA Quadrangle CHARLESTON

6) Well Operator UNKNOWN - WV DEP PAID PLUGGING CONTRACT 7) Designated Agent JASON HARMON  
Address 601 57TH STREET S.E. Address 601 57TH STREET S.E.  
CHARLESTON, WV 25304 CHARLESTON, WV 25304

8) Oil and Gas Inspector to be notified Name ALLEN D FLOWERS  
Address 165 GRASSY LICK ROAD  
LIBERTY, WV 25124  
9) Plugging Contractor Name UNKNOWN AT THIS TIME  
Address \_\_\_\_\_

10) Work Order: The work order for the manner of plugging this well is as follows:  
**SEE PLUGGING WORK ORDER ON NEXT PAGE'S**

RECEIVED  
Office of Oil & Gas  
AUG 30 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 ALLEN D FLOWERS Date 8/5/2022

09/23/2022

## WELL PLUGGING PROJECT

API# 47 - 039 - 02770

GENO # 7

## Well detail:

The office of Oil and Gas does have a drilling record for the subject well ( 47-039-02770). The record shows the well was completed in 2/1978. The TD of the well is 3883', bottom hole was shot from 3880' to 2982'. The record shows 20' of 16" conductor, not cemented. 427' of 10-3/4" casing cemented to surface. 1335' of 8-5/8" casing, cemented location unknown, 1722' of 7" casing, cemented location unknown and 922' of 5" liner. The producing formation is the lower Huron. There is a gas show at 3880' 2750' 1750' 1424' 1350' and 534'. There is a oil show at 515' and a coal show at 50' and 439'. There is a fresh water show at 60' and salt water at 670'. The elevation at the well site is 778'.

CONFIRMED  
FROM LOG

g.w.m.

ELECTRIC LOG SHOWS TOP OF  
5" LINER TO BE @ 2764'  
OFF BOTTOM. BOTTOM PROBABLY HAD  
FILL-UP, SINCE WELL BORE WAS SHOT.

RECEIVED  
Office of Oil & Gas

AUG 30 2022

WV Department of  
Environmental Protection

## Site-based considerations:

The well is currently leaking gas and produced water at the surface between the 10-3/4" casing and the 8-5/8" casing. The well head is under pressure, the amount of pressure is unknown. No soil or water sampling will be required for this plugging project. Trees and under brush will need to be cut and stacked to gain access to the well. All trees that are cut can be stacked and left on location. There is a road that leads to the well site that can be utilized. The E&S controls that are required by OOG will be installed by the contractor. The service road to the well site does cross a stream. The stream crossing has a 48" x 12' culvert, a second culvert may be needed to widen the road for plugging equipment. There is no storage tank at the well site and the production line has been removed from the well head. OOG will contact locate 811 to mark all sub surface utilities.

Allen D Flowers 8/5/2022

09/23/2022

4703902770P

WELL PLUGGING PROJECT

API No. 47-039-02770

GENO No. 7

Well Detail enhanced from Well log on file at WV GES, a portion of which is included with this application.

Elevation 778'

Coal: 50'-52', 438', 439' TOP OF 5" LINER AT 2764'

Fresh water 60'

Salt water 670'

Surface Casing:

10 inch surface casing set at 427' and cemented to surface.

Intermediate Casing:

8 inch Intermediate casing set at 1335' because of lost bit at 1280'. Pencil Cave formation at 1324' could have caused drilling problems that torqued the bit and caused a twist off. Probably did not cement the 8 inch casing. Drilled a reduced hole size and ran 7 inch casing through the 8 inch casing to a depth of 1722 feet according to log. 7 inch probably not cemented.

Production Zone:

Well was drilled to a TD of 3883'. The open hole was shot from 3880' to 2982' with 8800 pounds of explosives. 922' of 5" liner was set from attainable bottom to 2764' (top of liner). Liner probably set on fill at 3686'.

Production could be coming from many gas shows, which include the lower Huron (3153' to 3786') continuing up hole to the Big Lime at 1350' to the Pennsylvanian oil and gas (515' to 544'). Note: the Big Lime and Pennsylvanian oil and gas are behind the intermediate casing.

PROCEED TO WORK ORDER ON NEXT PAGE

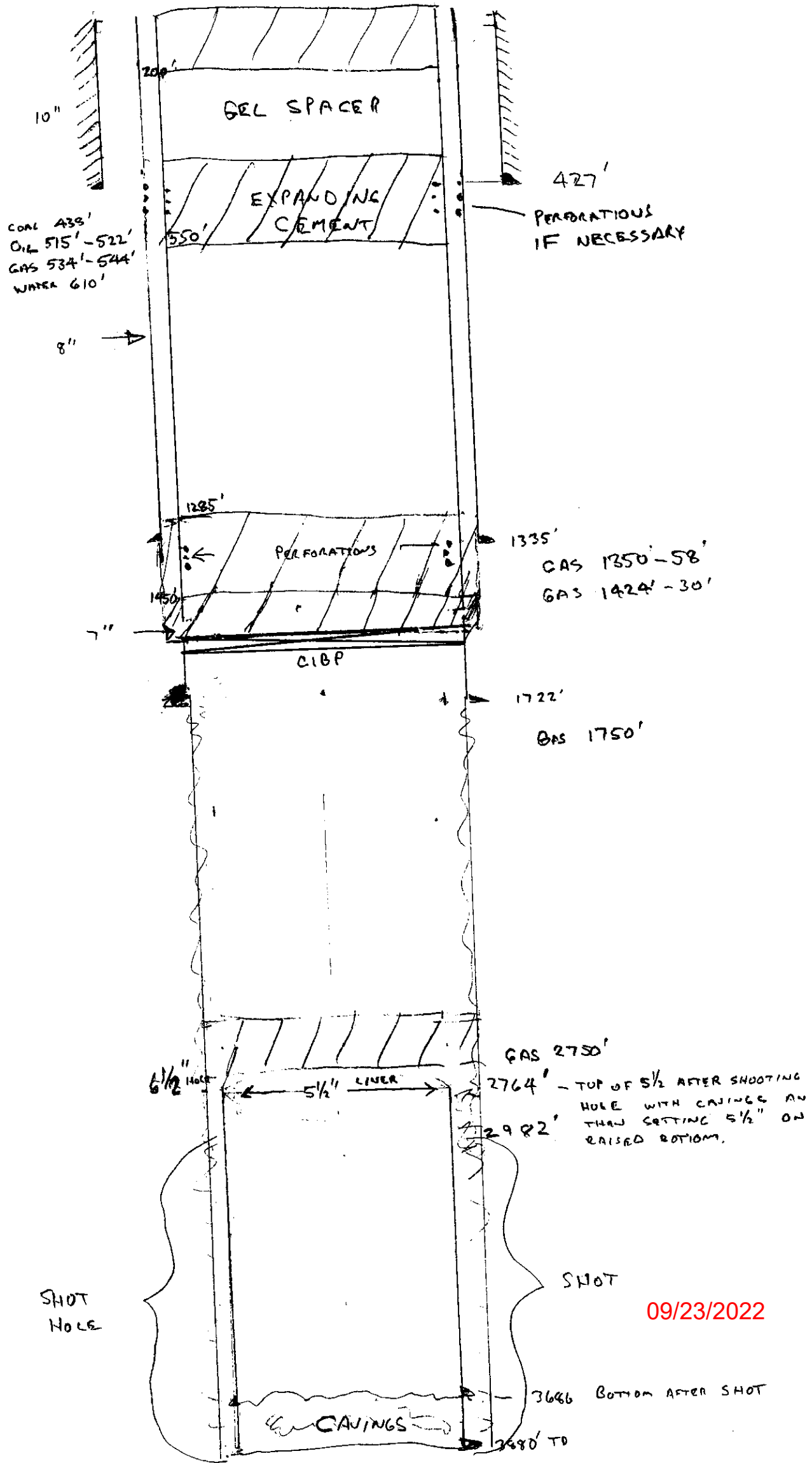
09/23/2022

4703902770

Work Order for API No. 47-039-02770 (GENO No. 7)

1. Notify Inspector Specialist Allen Flowers @ 304-552-8308, 48 hours prior to commencing plugging operations.
2. MIRU. Check well pressure. Blow down well pressure. Pull tubing if present.
3. Check TD with wire line to top of shot, which should be ~ 2982'.
4. If the wellbore is clear to the top of the shot, then run the work string to 2982' and load hole with 6% gel until the top of the 6% gel is inside the 7" casing.
5. Set 100' Class A cement plug from top of 5" liner at 2764' to 2664' to cover gas show at 2750'. POOH to inside 7" at 1700'. WOC 4 hrs. Tag plug. Add cement if needed.
6. Set 100' Class A cement plug from 1772' to 1672' across 7" casing to cover gas show at 1750'.
7. POOH with work string and set a CIBP inside 7" casing at ~ 1500'.
8. Perforate 7" casing from 1450' to 1350' (below 7") as necessary to cement annulus and casing from 1450' to 1285'. WOC
9. Check for gas leaks before continuing plugging procedure.
10. If leaking, consider perforating through 7" and 8" to cover gas show at 534'-544', oil at 515'-522' and coal at 438' - 439'. Perforate from 540' to 440'.
11. Set expanding cement plug from 550' to 400'. Gel spacer from 400' to 200'.
12. Set 200' Class A cement plug from 200' to the surface.
13. Rig down and set the monument. Reclaim site.

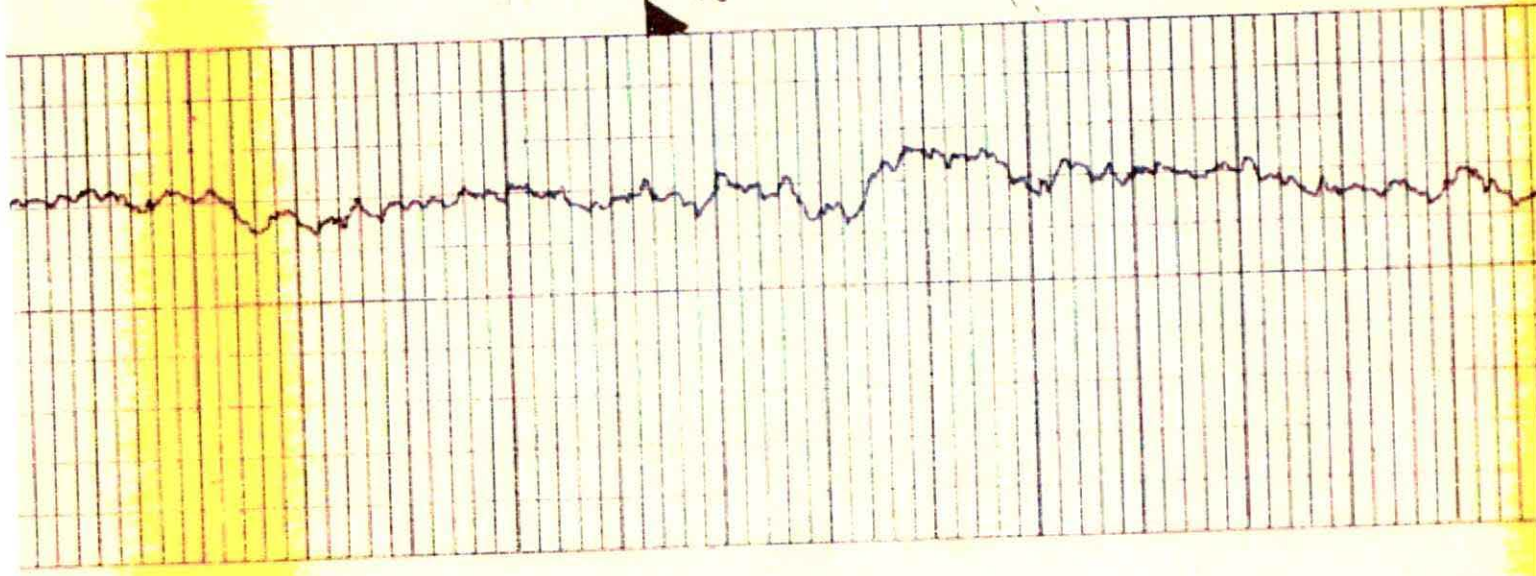
09/23/2022



09/23/2022

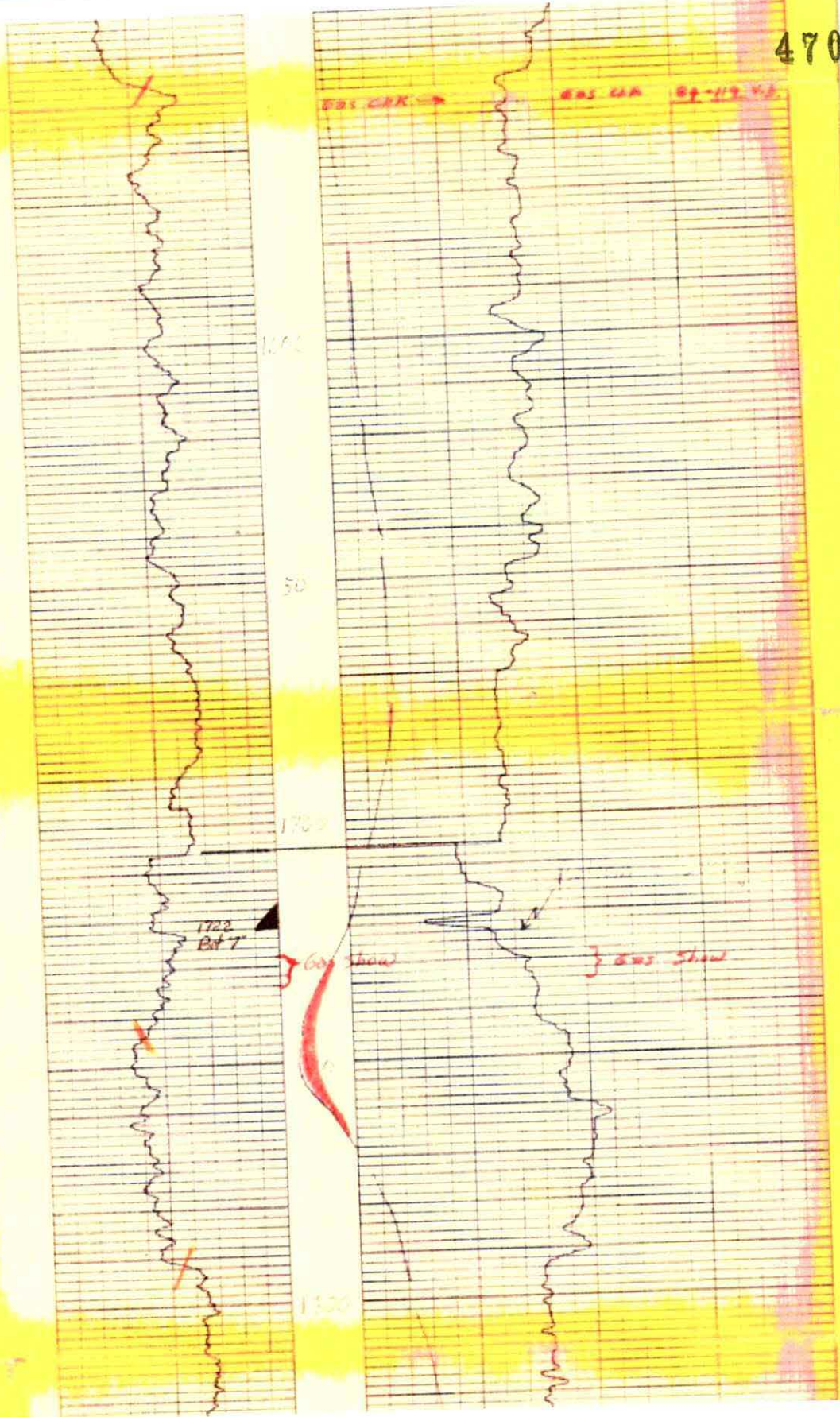


Top 5"  
liner  
2764





4703902770 P



605 UA 09-11-73

1722  
Bit 7

605 Show

605 Show

1000

50

1700

1300

MARKED

ALLEGHENY NUCLEAR SURVEYS, Inc.  
 WILSON, WEST VIRGINIA

4703902770

RADIOACTIVITY LOG

FILE NO. *None*  
 COMPANY *Off the Shelf*  
 WELL *Highway 101, Station 7*  
 FIELD *Green Hill of Eaker, W. Va.*  
 COUNTY *Kanawha* STATE *WV*

LOCATION *in road*  
 SEC TYPE RGE

OTHER SERVICES

**FIELD PRINT**

PERMANENT DATUM *Ground level* ELEV *778* ELEV K.B. *796*  
 LOG MEASURED FROM *DF* FT ABOVE PERM DATUM D.F.  
 DRILLING MEASURED FROM *DF* G.L. *778*

DATE	2-21-76	2-21-76	2-21-76
RUN NO	<i>Two</i>	<i>Two</i>	<i>One</i>
TYPE LOG	<i>Ground Rig</i>	<i>Hand</i>	<i>One</i>
DEPTH DRILLER	<i>3850</i>	<i>3880</i>	<i>3850</i>
DEPTH LOGGER	<i>3870</i>	<i>3877</i>	<i>3877</i>
BOTTOM LOGGED INTERVAL	<i>1200</i>	<i>1200</i>	<i>1200</i>
TOP LOGGED INTERVAL			
TYPE FLUID IN HOLE	<i>Water</i>		
SALINITY PPM CL			
DENSITY	<i>1.272</i>		
LEVEL			
MAX REC TEMP DEG F			
OPERATING RIG TIME			
RECORDED BY	<i>L. Smith</i>		
WITNESSED BY	<i>William</i>		

RUN NO.	BORE HOLE RECORD				CASING RECORD			
	BIT	FROM	TO	SIZE	WGT	FROM	TO	

THIS READING AND ITS CORRECTION ARE NOT TO BE USED FOR RADIOACTIVITY MEASUREMENTS

47039027104



RECEIVED  
Office of Oil & Gas  
AUG 30 2022  
West Virginia Department of  
Environmental Protection

Aug 2, 2022, 9:43 AM

09/23/2022

TV-35  
0076  
Rev. - 4-71

4703902770 P



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division

7 1979

WELL RECORD

Charleston, E. 7 1/2'  
Quadrangle - Charleston 15'  
Permit No. KAM-2270

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable  Gas   
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company Oil and Gas Development Co.  
Address 1562 Dixie St., Charleston, W. Va. 25311  
Farm Anne Blair Alderson et al Twp. 1289.75  
Location (waters) Crouch Fk. of Bakers Fk.  
Well No. 7 Elev. 778  
District Malden County Kanawha  
The surface of tract is owned in fee by Harry Paxton  
Address 910 Price St., Charleston, W. Va.  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling Commenced 10-7-77  
Drilling Completed 2-19-78  
Initial open flow 35M cu. ft. \_\_\_\_\_ bbls.  
Final production 47M cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. briere test \_\_\_\_\_ HP.  
Well treatment details:  
Shot 2-27-78 3880' to 2982' w/ 8800#

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cund. <u>XXXX0"</u>	<u>427'</u>	<u>427'</u>	<u>160 sks.</u>
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1335'</u>	<u>1335'</u>	
<u>7</u>	<u>1722'</u>	<u>1722'</u>	
<u>5 1/2</u>			
<u>4 1/2</u>			
<u>3</u>			
<u>2</u>			
Liners Used <u>5"</u>	<u>--</u>	<u>922'</u>	

Attach copy of cementing record.

Coal was encountered at 50-52, 438, 439 Feet \_\_\_\_\_ Inches  
Fresh water 60' Feet \_\_\_\_\_ Salt Water 670' Feet \_\_\_\_\_  
Producing Sand Devonian Shale Depth 2982-3850

Formation	Color	Hard or Soft	Top Feet	Bottom	Oil, Gas or Water	Remarks
Sand			0	50		
Coal			50	52		
Sand			52	65		Wat. 60' HF
Broken Sand			65	93		
Sand			93	300		
Shale			300	322		
Lime			322	330		
Shale			330	404		
Lime			404	430		
Shale			430	438		
Coal			438	439		
Shale			439	475		
Lime			475	500		
Shale			500	511		
Sand			511	783		Oil - 515-522 show
Shale			783	824		Gas - 534-544 show
Lime			824	848		Wat. 670' HF
Sand			848	1127		
Shale			1127	1135		
Sand			1135	1147		
Shale			1147	1152		
Sand			1152	1228		
Shale			1228	1244		

\* Indicates Electric Log

09/23/2022

4703902770P

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil Gas or Water	Remarks
Lime			1244	1253		
Sand			1253	1286		
Little Lime			1286	1324		
Pencil Shale			1324	1328		
Big Lime			1328	1506	Gas 1350-58'	
Injun Sand			1506	1546	Gas 1424-30'	
Slate & Shells			1546	1744		
Weir Sand			1744	1791	Gas 1750'	
Slate & Shells			1791	1939		
Brown Shale			1939	1962		
Berea			1962	1965	Gas show	
Slate & Shells			1965	3153	Gas show 2750'	
Brown shale			3153	3198		
Shale			3198	3465		
Brown shale			3465	3786	Gas shows	
Grey shale			3786	--		
Total Depth			--	3883		
			Final	Open Flow	35 MCFPD	

Date: March 1 1928

ATKINSON Oil & Gas Development Co. Owner

By Gene Haney, Geol.  
(114)

09/23/2022

4703902770P

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL          DEEPEN          FRACTURE STIMULATE  
DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
NAME YVA Drilling Co., Inc. NAME D. Gene Henny  
ADDRESS 320 Oil & Gas Bldg., Wichita Falls ADDRESS 518 Kanawha Valley Bldg., Charleston  
TELEPHONE 545-3379-Charleston Texas 76301 TELEPHONE (304) 346-9864 W. Va.  
ESTIMATED DEPTH OF COMPLETED WELL: 1200' R/TARY          CABLE TOOLS           
PROPOSED GEOLOGICAL FORMATION: Dev. Shale  
TYPE OF WELL: OIL          GAS X COMB.          STORAGE          DISPOSAL           
RECYCLING          WATER FLOOD          OTHER         

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIMIT III WELL	CEMENT TILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	160'	160'	60 sks.
8 - 3/8			
7	1600'	1600'	100 sks.
5 1/2		2050'	80 sks.
4 1/2			Perf. Top
3			Perf. Bottom
2			Perf. Top
1			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75' FEET 520' SALT WATER          FEET  
APPROXIMATE COAL DEPTHS 125', 195', 260', 385'  
IS COAL BEING MINED IN THE AREA? No BY WHOM?         

TO DRILL:  
SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:  
SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:  
OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 9, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.  
OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 9, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for          Coal Company, Owner or Operator of the coal under this lease have examined and placed on our mine maps this proposed well location. We the          Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

          
For Coal Company  
          
Official Title

09/23/2022



Report Time: Tuesday, September 06, 2022 1:48:10 PM

- Table Descriptions
- County Code Translations
- Permit Numbering Series
- License Notes
- Contact Information
- Disclaimer
- WVGES Main
- PipelinePlus New

Select County: (039) Kanawha  (Check All)

Enter Permit #: 02770

Get Data  Reset

Select datatypes:  Production  Plugging

Location  Owner/Completion  Stratigraphy  Sample

Pay/Show/Water  Logs  Blm Hole Loc

Well: County = 39 Permit = 02770

WV Geological & Economic Survey

Location Information: [View Map](#)

COUNTY PERMIT TAX DISTRICT QUAD 75 QUAD 15 LAT DD LON DD UTMN UTMN  
 4703902770 Kanawha 2770 Malden Charleston 38.349345 -81.564906 450638.7 4244727.7

There is no Bottom Hole Location data for this well

Owner Information: API 4703902770 CMP\_DT 2/19/1978 STATUS Completed Original Loc 7 SURFACE\_OWNER Anne Blair Anderson WELL\_NUM 7 LEASE LEASE\_NUM MINERAL\_OWN OPERATOR AT COMPLETION PROP\_VD PROP\_TRGT\_FM TFM\_EST\_PR OIL & Gas Development

Completion Information: API 4703902770 CMP\_DT 2/19/1978 ELEV DATUM 778 Ground Level Field Campbell Ck DEEPEST\_FWT 1977 Lower Huron DEEPEST\_FMT 1977 Lower Huron INITIAL\_CLASS Development Well FINAL\_CLASS Development Well TYPE Gas w/ Oil Show CMP\_MTHD TWD TMD NEW FTG KOD G\_BEF 35 G\_AFT 47 O\_BEF 0 O\_AFT 0 NGL\_BEF 0 NGL\_AFT 0 P\_BEF 0 P\_AFT 0 TLAFT 0

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOTTOM	FM_BOTTOM	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4703902770	2/19/1978	Water	Fresh Water	Vertical	515	Pennsylvanian System	522	Pennsylvanian System	0	0	0	0	0
4703902770	2/19/1978	Show	Oil	Vertical	544	Pennsylvanian System	670	Pennsylvanian System	0	0	0	0	0
4703902770	2/19/1978	Show	Gas	Vertical	534	Pennsylvanian System	670	Pennsylvanian System	0	0	0	0	0
4703902770	2/19/1978	Water	Salt Water	Vertical	1350	Big Lime	1424	Big Lime	0	0	0	0	0
4703902770	2/19/1978	Show	Gas	Vertical	1424	Big Lime	1750	Well	0	0	0	0	0
4703902770	2/19/1978	Show	Gas	Vertical	1962	Berea Ss	1965	Berea Ss	0	0	0	0	0
4703902770	2/19/1978	Show	Gas	Vertical	2382	UDev undr/Berr/LohURN	2382	UDev undr/Berr/LohURN	35	47	35	47	0

There is no Production Gas data for this well

There is no Production Oil data for this well \*\* some operators may have reported NGL under Oil

There is no Production NGL data for this well \*\* some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_BOTTOM	QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV DATUM
4703902770	Original Loc	unidentified coal	Well Record	50	Reasonable	1	Reasonable	778	Ground Level
4703902770	Original Loc	unidentified coal	Well Record	438	Reasonable	2	Reasonable	778	Ground Level
4703902770	Original Loc	Little Lime	Well Record	1286	Reasonable	38	Reasonable	778	Ground Level
4703902770	Original Loc	Pencil Cave	Well Record	1324	Reasonable	4	Reasonable	778	Ground Level
4703902770	Original Loc	Greentier Group	Well Record	1328	Reasonable	178	Reasonable	778	Ground Level
4703902770	Original Loc	Big Lime	Well Record	1328	Reasonable	40	Reasonable	778	Ground Level
4703902770	Original Loc	Big Injun (Prlcs&eq)	Well Record	1744	Reasonable	47	Reasonable	778	Ground Level
4703902770	Original Loc	Weir	Well Record	1939	Reasonable	23	Reasonable	778	Ground Level
4703902770	Original Loc	Sunbury Sh	Well Record	1962	Reasonable	3	Reasonable	778	Ground Level
4703902770	Original Loc	Berea Ss	Well Record	1965	Reasonable	1188	Reasonable	778	Ground Level
4703902770	Original Loc	UDev undr/Berr/LohURN	Well Record	3153	Reasonable	633	Reasonable	778	Ground Level
4703902770	Original Loc	Lower Huron	Well Record	3786	Reasonable	0	Reasonable	778	Ground Level

Wellline (E-Log) Information: API 4703902770 LOG\_TOP 1200 LOG\_BOTTOM 3879 DEEPEST\_FWT 1977 LOG\_SCAN Y N LOG\_AVAILABLE 1200 LOG\_N\_TOP 1200 LOG\_N\_BOTTOM 3879 LOG\_I\_BOTTOM 1200 LOG\_I\_TOP 1200 LOG\_S\_BOTTOM 3879 LOG\_S\_TOP 1200 LOG\_T\_BOTTOM 1200 LOG\_T\_TOP 1200 INCHZ INCHS REDUCED KOP LOGMD ELEV\_KB ELEV\_GL ELEV\_DF LOG\_MSRD\_FRO 780 778 780

Downloadable Log Images: We advise you to save the log image file to your PC for viewing. To do so, right-click the .tif image of interest and select the save option. Then you can direct the file to a location of your choice. Please note these images vary in size and some may take several minutes to download, especially if using a 56k or slower dialup connection.

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click here

- geologic log types:
- d density (includes bulk density, compensated density, density porosity, grain density, matrix density, etc.)
  - e photoelectric adsorption (PE or Pe, etc.)
  - g gamma ray
  - i induction (includes dual induction, medium induction, deep induction, etc.)
  - l laterolog
  - m dipmeter
  - n neutron (includes neutron porosity, sidewall neutron-SWN, etc.)
  - o other
  - s sonic or velocity
  - t temperature (includes borehole temperature, BHT, differential temperature, etc.)
  - z spontaneous potential or potential
- mechanical log types:
- b cement bond
  - c caliper
  - n perforation depth control or perforate

FILENAME 4703902770.dmn.tif

09/23/2022

LOG SHOWS TOP OF 5" LIME @ 2764'

4703902770

4703902770P

RECEIVED  
MAR - 1 1978

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

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Kan. 2770

Oil or Gas Well Gas  
(KIND)

Company Oil Gas Development Co.  
 Address Charleston, WV  
 Farm Anne Blair Alderson  
 Well No. 7  
 District Malden County Kanawha  
 Drilling commenced 10-18-77  
 Drilling completed 2-26-78 Total depth 3880  
 Date shot 2-27-78 Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ inch  
 Open flow after tubing \_\_\_\_\_ /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 AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer
16			
18			Size of
20			
2 1/4			Depth set
2 1/2	1830	1830	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: Loading hole to shoot.

2-27-78  
DATE

Martin B. Nichols - 508  
DISTRICT WELL INSPECTOR

09/23/2022



4703902770

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

RECEIVED

DEC 5 1977

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES  
Oil or Gas Well

Permit No. Ken-2770

Company Oil & Gas Develop. Co.  
 Address Charleston, W.Va.  
 Paym Anne Blair Alderson  
 Well No. 7  
 District Malden County, West Va.  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ inch  
 Open flow after tubing \_\_\_\_\_ /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 AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer
16			
12			Size of
10			
8 1/4			Depth set
6 1/2			
5 3/16			Perf. top
2			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

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

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

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

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

Drillers' Names \_\_\_\_\_

Remarks:

Fishing Pin off Bit at 1260ft

12-1-77

Monte B. Nichols  
DISTRICT WELL INSPECTOR

09/23/2022

4703902770-P

09-11

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

RECEIVED

NOV 7 - 1977

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Form No. Can-2770

Oil or Gas Well Gas  
(KIND)

Company <u>Oiland Gas Development Co</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Charleston, W.Va</u>	Size			
Farm <u>Anne Blair Alderson</u>	16			Kind of Packer
Well No. <u>7</u>	12			
District <u>Malden - county Kanawha</u>	10 3/4	420	420	Size of
Drilling commenced <u>10-18-77</u>	8 1/2			
Drilling completed _____ Total depth _____	6 1/2			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Block pressure _____ lbs _____ hrs.				Perf. bottom
Oil _____ bbls. 1st 24 hrs.	CASING CEMENTED <u>10 3/4</u> SIZE <u>420</u> No. <u>FDL-3-77</u> Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Helibarton</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:  
 Cemented with 140 Bags Cement.  
 Cemented with 100 Bags with  
 Cemented with a Basket - 100ft Down - Cemented  
 to top Plug down at 3:30 PM  
11-3-77  
Walter B. Nichols  
 DISTRICT WELL INSPECTOR

09/23/2022

4703902770P

WW-4A  
Revised 6-07

1) Date: 8/5/2022  
2) Operator's Well Number  
GENO # 7  
3) API Well No.: 47 - 039 - 02770

**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>AMY WEHRLE</u>	Name <u>N/A</u>
Address <u>206 LINCOLN AVE.</u>	Address _____
<u>ST. ALBANS, WV 25177</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>ALLEN D FLOWERS</u>	(c) Coal Lessee with Declaration
Address <u>165 GRASSY LICK ROAD</u>	Name <u>N/A</u>
<u>LIBERTY, WV 25124</u>	Address _____
Telephone <u>(304) 552-8308</u>	_____

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

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

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

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to 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.

RECEIVED  
Office of Oil & Gas  
AUG 30 2022  
WV Department of  
Environmental Protection

Well Operator UNKNOWN - WV DEP PAID PLUGGING CONTRACT  
By: Jason Harmon  
Its: ARWS Manager  
Address 601 57TH STREET S.E.  
CHARLESTON, WV 25304  
Telephone (304) 926-0499 EX 41102



Subscribed and sworn before me this 10<sup>th</sup> day of August, 2022  
Susan W. Rose Notary Public

My Commission Expires 12-16-24

**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](mailto:depprivacyoffier@wv.gov).

09/23/2022

**SURFACE OWNER WAIVER**

Operator's Well  
Number

GENO #7, API# 47-039-02770

**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

RECEIVED  
Office of Oil & Gas

**AUG 30 2022**

WV Department of  
Environmental Protection

**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.

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION,

\_\_\_\_\_  
Signature

Date 8/26/22

Name UNKNOWN - WV DEP PAID PLUGGING CONTRACT  
By \_\_\_\_\_  
Its \_\_\_\_\_ Date \_\_\_\_\_

Signature

Date **09/23/2022**

WW-9  
(5/16)

API Number 47 - 039 - 02770  
Operator's Well No. GENO #7

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

Operator Name UNKNOWN - WV DEP PAID PLUGGING CONTRACT OP Code \_\_\_\_\_

Watershed (HUC 10) CROUCH CREEK, ELK TWO MILE Quadrangle CHARLESTON

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  ANY WELL EFFLUENT WILL BE CONTAINED IN TANKS BEFORE DISPOSING OFF SITE. gmm

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 UNKNOWN AT THIS TIME )
- 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. N/A

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

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) N/A

-Landfill or offsite name/permit number? N/A

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.

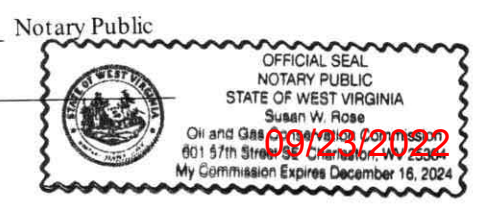
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 Jason Harmon  
Company Official (Typed Name) JASON HARMON  
Company Official Title DEPUTY CHEIF

Subscribed and sworn before me this 10<sup>th</sup> day of August, 2022

Susan W. Rose

My commission expires 12-16-24



RECEIVED  
Office of Oil & Gas  
AUG 30 2022  
WV Department of  
Environmental Protection

4703902770P

Form WW-9

Operator's Well No. GENO # 7

Proposed Revegetation Treatment: Acres Disturbed 0.5 Prevegetation pH N/A  
 Lime 2 - 3 Tons/acre or to correct to pH 6.5  
 Fertilizer type 10-10-20  
 Fertilizer amount 400 lbs/acre  
 Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
N/A	N/A	FESCUE	40
		LANDINO CLOVER	10
		CONTRACTOR MIX	10

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: ALLEN D FLOWERS

Comments: N/A

RECEIVED  
Office of Oil & Gas

AUG 30 2022

WV Department of  
Environmental Protection

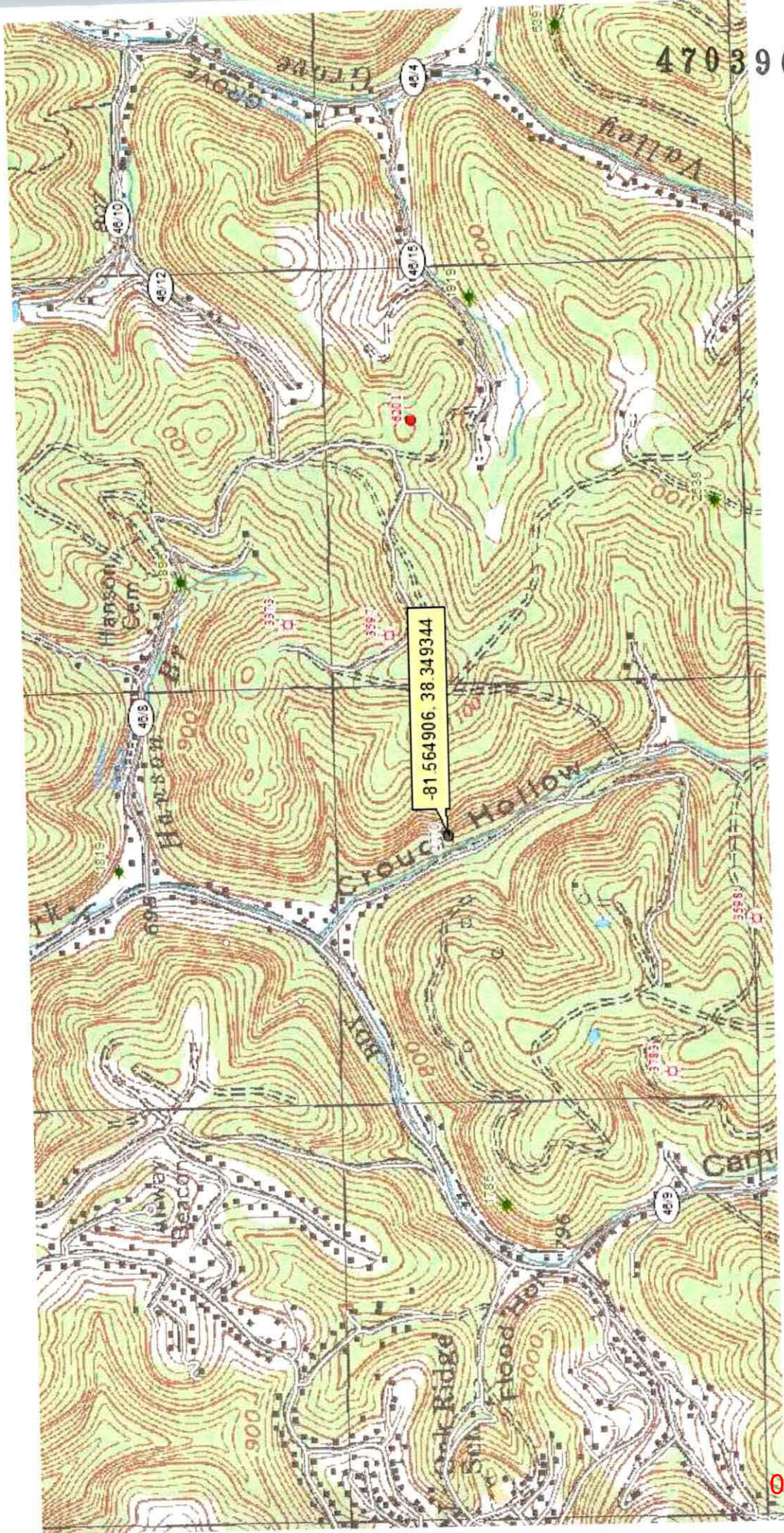
Title: INSPECTOR

Date: 8/5/2022

Field Reviewed?  Yes  No

09/23/2022

4703902770P



RECEIVED  
 Office of Oil & Ga  
 AUG 30 2022  
 WV Department of  
 Environmental Protect



09/23/2022

4703902770 P

WW-7  
8-30-06



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

API: 47 - 039 - 02770 WELL NO.: GENO #7

FARM NAME: AMY WEHRLE

RESPONSIBLE PARTY NAME: UNKNOWN - WV DEP PAID PLUGGING CONTRACT

COUNTY: KANAWHA - 039 DISTRICT: MALDEN

QUADRANGLE: CHARLESTON

SURFACE OWNER: AMY WEHRLE

RECEIVED  
Office of Oil & Gas

ROYALTY OWNER: ANNE ALDERSON

AUG 30 2022

UTM GPS NORTHING: 4244727.7

WV Department of  
Environmental Protection

UTM GPS EASTING: 450638.7 GPS ELEVATION: 778'

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  : Post Processed Differential

Real-Time Differential

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.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
INSPECTOR  
Title

\_\_\_\_\_  
8/5/2022  
Date

09/23/2022