



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

July 22, 2016

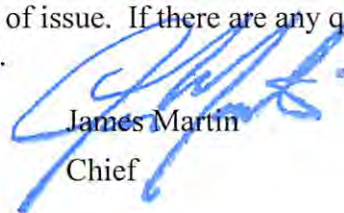
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8300106, issued to US DEPARTMENT OF INTERIOR - BLM, 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: BW-1
Farm Name: U S DEPT OF INT
API Well Number: 47-8300106
Permit Type: Plugging
Date Issued: 07/22/2016

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.

WW-4B
Rev. 2/01

1) Date July 14, 2016
2) Operator's
Well No. Randolph 106
3) API Well No. 47-003-00106

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 2258 Watershed Cheat
District Dry Fork County Randolph Quadrangle Harman
- 6) Well Operator US Dept of Interior - BLM 7) Designated Agent _____
Address 626 E. Wisconsin Ave. Ste 6 Address _____
Milwaukee, WI 53202
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Bryan Harris Name Hydrocarbon Well Services, Inc.
Address PO Box 157 Address PO Box 995
Volga, WV 26238 Buckhannon, WV 26201

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

- CLEAN OUT TO BOTTOM. & SPOT GEL.
- Set bottom hole plug from 7053' to ~~6853'~~ 4053'
- Set plug at elevation 2100' to 1900'
- Set plug at casing shoe ^{992'} ~~900'~~ to 700'
- Set 200' surface plug

SEE ADDENDUM FOR
MORE DETAIL.

6 % gel spacers between plugs

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

Work order approved by inspector Bryan O'Hara Date 7-19-16

WORK ORDER : for Randolph 106 ADDENDUM

After water is diverted and site prep is complete:

STEEL PITS (NO SURFACE PITS)

Establish ~~pit~~ and lay plastic under rig and all equipment to prevent any spill of contents inside well

Move rig and plugging equipment on site, spot plugging equipment, and rig up

Check TD, if TD is high, begin cherry picking contents to determine what substance is in the well to determine the proper procedure

If power swiveling needs completed to reach TD, hook up swivel and begin drilling.

o SPOT GEL

Set bottom hole plug from 7053' to ~~6853'~~^{4053'}, check top of cement and top off as needed.

Set 6% gel spacer ~~as needed~~ FROM 4053' TO 2100'.

Set plug at elevation 2100' to 1900', check top of cement and top off as needed.

Set 6% gel spacer ~~as needed~~ FROM 1900' TO 992'.

Set plug at ~~casing shoe~~^{FROM 992'} 900' to 700', check top of cement and top off as needed.

Set 6% gel spacer ~~as needed~~ TO 200'.

Set 200' surface plug, check top of cement and top off as needed.

Set monument to WV-DEP specifications

SET OFFSET MARKER (MONUMENT)
PER WV STATE CODE.

Remove all waste from site

Rig down and reclaim area with BLM required seed

8300106 P



United States Department of the Interior

**Bureau of Land Management-Eastern States
Northeastern States District
626 E. Wisconsin Avenue, Suite 200
Milwaukee, Wisconsin 53202-4617**



IN REPLY REFER TO:
3200 (3410)
DOI-BLM Randolph 106 Plugging

July 21, 2016

Jeffrey W. McLaughlin
West Virginia
Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

MONUMENT MARKER
VARIANCE REQUEST

Dear Mr. McLaughlin,

The United States Department of Interior, Bureau of Land Management, Northeastern District Office hereby requests a variance on the requirement of a 30 inch marker in the stream associated with the re-plugging of the Randolph 106 well on the Monongahela National Forest in Randolph County, Dry Fork District, West Virginia. This stream is an active stream prone to flash flood conditions which have the power to move excessive amounts of stone. Our request is to place a plate and monument marker on top of the plug at a depth of 24 inches below current water bottom and then restore the distance from the top of the plate to the water bottom with soil and river rock found in the Gladly Fork Stream channel. This particular river is a favorite spot for anglers, especially those who fly fish. It is our desire to maintain the river in as close to natural state as possible. Therefore, we request a variance to place the plate and monument marker below grade and then to offset survey the location and place a surface marker delineating the exact location of the re-plugged well. We propose the placement of the offset marker on the island adjacent to the re-plugged well location.

If you have any additional questions, please contact Theresa M. Bodus at (414) 297-4420.

Sincerely,

Theresa M. Bodus
Assistant District Manager - Minerals

07/22/2016

MONUMENT VARIANCE

The Office of Oil and Gas is granting a general variance to the requirements under 35CSR4-5.5b of erecting a monument upon the plugging of certain wells. If granted, the following conditions will be met:

- ★ 1) the well will be surveyed and a plat constructed as required under 22-6 of the WV Code and 35CSR4,
- 2) a readily visible, permanent offset marker, in as close proximity as reasonably possible, will be erected and will provide distance and bearing information to the plugged well,
- ★ 3) the plugging affidavit (form WR-38), will document the absence of a monument at the well location and document the existence and location of the offset marker,
- 4) a steel plate no smaller than one square foot shall be affixed to the well casing no deeper than three feet below the ground surface and be inscribed with the api number of the well.

To qualify under the general variance, an operator may make a variance request to the Chief of the Office of Oil and Gas for a specific well(s) in conjunction with a showing of good cause by the surface owner.

THE ABOVE-REFERENCED MONUMENT MARKER VARIANCE HAS BEEN GRANTED FOR THE PLUGGING OF API WELL # 47-083-00106.

PLEASE MAKE SURE THAT A NEW PLAT IS TURNED IN WITH THE WR-38 THAT HAS THE COORDINATES OF THE WELL AND THE OFFSET MARKER, SO THAT ONE REFERENCES THE OTHER.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 10

WELL RECORD

Quadrangle Horton
Permit No. RAN-106

Oil or Gas Well Dry
(kind)

Company Holly Oil & Gas Corporation
Address St. Marys, West Virginia
Farm USA Dept. of Interior Acres 1692.73
Location (waters) Glady Fork
Well No. BW-1 Elev. 2258
District Dry Fork County Randolph
The surface of tract is owned in fee by USA Dept. of Int.
Address Washington, D.C.
Mineral rights are owned by USA Dept. of Int.
Address Washington, D.C.
Drilling commenced May 10, 1959
Drilling completed June 21, 1959
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
Salt water feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
10			Kind of Packer
13-3/8	40	40	
10			Size of
8-5/8	942	942	
8-1/2			Depth set
6 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED Yes SIZE 8-5/8 No. Ft. 942 Date
COAL WAS ENCOUNTERED AT None FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Gravel			0	50	Water		
Sand		Broken	50	60	Water		
Shale	Dark		60	100			
Sand	Grey		100	120			
Shale	Dark		120	170			
Sand	Light		170	190			
Shale	Dark		190	200			
Shale & Sand			200	310			
Sand	Grey		310	500			
Shale-Sand			500	990			
Sand	Light		990	1030			
Shale-Sand			1030	1340			
Sand	Light		1340	1380			
Shale	Grey		1380	1660			
Sand	Light	Hard	1660	1840			
Shale	Grey		1840	1860			
Sand (Hendricks)			1860	1910			
Shale	Grey		1910	3470			
Shale	Dark		3470	3590			
Shale	Black		3590	3650			
Shale-Sand			3650	4250			
Shale	Dark		4250	4400			
Shale	Black		4400	4520			
Shale	Dark		4520	4730			
Sand	Grey		4730	4780			
Shale	Dark		4780	5140			
Sand	White		5140	5170			
Shale	Brown		5170	5240			
Shale	Dark		5240	5230			
Shale	Grey		5430	5600			
Shale	Dark		5600	5790			
Lime			5790	6285			



(Over)

Formation	Color	Hard or Soft	Top /0	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale	Dark		6285	6385			
Marcellus	Black		6385	6570			
Chert			6570	6755			
Shale	Grey		6755	6838			
Sand (Oriskany)			6838	7046			
Lime (Helderberg)			7046	7053	Total Depth		

Date August 10, 1959

APPROVED Holly Oil & Gas Corporation, Owner

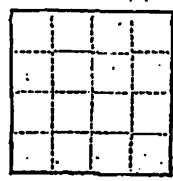
By Leonard Hart Manager
(115)

Form 9-593
(April 1952)

520

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. _____
T. _____
R. _____
Mer. _____



INDIVIDUAL WELL RECORD

PUBLIC LAND: _____ Date July 12, 1960 Ref. No. _____

Land office _____ State West Virginia
Serial No. BIM-A-046842 (Terminated) County Randolph
Lessee Holly Oil and Gas Corporation Field Horton Quad. (NE 1/4)
Operator _____ District Greenbrier Ranger
Well No. BW-1 - Tract 26c Subdivision Randolph 106
Location 2.640' south of Lat. 39°-00' and 780' west of Long. 79°-35'

Drilling approved April 8, 1959 Well elevation 2,270 D.F. feet
 Drilling commenced May 10, 1959 Total depth 7.053 feet
 Drilling ceased June 21, 1959 Initial production Dry
 Completed for production _____, 19____ Gravity A. P. I. _____
 Abandonment approved July 26, 1962 Initial R. P. _____

Geologic Formations
Surface _____ Lowest tested _____ Name _____ Productive Horizons _____ Depths _____ Contents _____

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
			1860-1910									
1962			6385-6570			PA						
			6570-6755									
			6838-7046									
			7046-7053	T.D.								

REMARKS 40'-13 3/8", cemented to surface
942'-9 5/8", cemented to surface
Gamita Ray Log of entire hole
Laterolog of section 6752-7053
Microlaterolog section 6752-7053
Formation tests at 6820' and 6827'
Loaded hole with Baroid ~~fluid~~ welded cap on casing.
suspended operations on 6-21-59 - Temp. abd.

R.W.M.
07/06/05

March 8, 1961

Mr. Charles Chaisano, President
Holly Oil and Gas Corporation
405 Lexington Avenue
New York 17, New York

Dear Mr. Chaisano:

You and I discussed your proposed operations on Federal oil and gas lease HLN-A-046842 at Elkins, West Virginia on April 1, 1959. You were accompanied by Dr. Smirnov and Leonard Hart. Mr. Hart has advised me that he no longer is employed by your company.

Subsequent thereto, you drilled well HW-1 on Tract 26 c of said lease to a depth of 7,053 feet. I understand that operations were suspended on June 21, 1959 and that the hole is standing full of Baroid mud with a cap welded on the 13 3/8 inch casing pending a decision as to whether to drill deeper or plug and abandon.

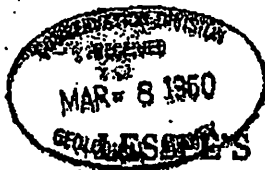
I would appreciate being informed as to whether you have decided on a future course of action with respect to this well.

Sincerely yours,

Robert E. Speer

Robert E. Speer
Oil and Gas Supervisor
Eastern Region

RESpeer:jes 3/8/61



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 49-R38A.
Approval expires 12-31-61.
LAND OFFICE Washington, D.C.
LEASE NUMBER BLM-046842
UNIT

GEOLOGICAL SURVEY'S MONTHLY REPORT OF OPERATIONS

State West Virginia County Randolph Field _____

The following is a correct report of operations and production (including drilling and producing wells) for the month of June 30, 1959 to March 1, 1960.

Agent's address 405 Lexington Avenue Company Holly Oil & Gas Corporation
New York, New York Signed [Signature]

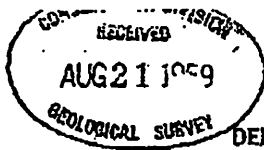
Phone Oxford 7-6060 Agent's title Manager

SEC. AND TWP. OR R.	RANGE	WELL NO.	DATE PRODUCE	BARRELS OF OIL	QUALITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content, so state)
Holly Oil & Gas Corporation - Well No. BW-1									
U. S. A. Dept. of Interior - Tract 26c, Monongahela National Forest, Randolph County, West Virginia, 2,640' So. Lat. 39° 00' and 780' West of Long. 79° 35'.									
Drilling operations suspended June 21, 1959, loaded hole with Baroid Mud, welded cap on casing. Temporarily suspended operations until determination is made whether to plug hole or continue deeper.									



NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 49-2414-5 Approval copies 12-31-50

LAND OFFICE Washington, D. C. LEASE NUMBER BLM-A-046842 UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

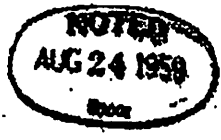
State West Virginia County Randolph Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1959

Agent's address 702 Second Street St. Marys, W. Va. Company Holly Oil & Gas Corporation Signed Leonard Hart

Phone Agent's title Manager

Table with columns: SPEC. AND M OF M, TWI, RANGE, WELL NO., DATE PRODUCED, BARRELS OF OIL, GRAVITY, CU. FT. OF GAS (in thousands), GALLONS OF GASOLINE RECOVERED, BARRELS OF WATER (if none, so state), REMARKS. Content includes well details for Well No. BW-1, completion date June 21, 1959, and production status.



NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.) No Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-522 (January 1953)

16-5748-5 U. S. GOVERNMENT PRINTING OFFICE

8300106P

BLM MILWAUKEE FIELD

Fax: 414-297-4409

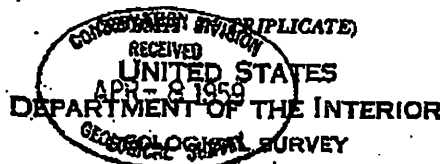
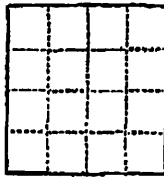
Jul 6 2005

8:28

P. 11

Budget Bureau No. 43-B233.4
Approval expires 12-31-80.

Form 9-571a
(Feb. 1951)



Land Office: Washington, D.C.

Lease No. 513-4-04682

Unit: _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

U.S.A. Dept. of Interior 2,640' Sec. 16, T. 39' N. and 780' East of Long. 77' 35', 1959
 Well No: 513-4-04682 is located in Randolph County, West Virginia
 (U.S. Sec. and Sec. No.) (Town) (Range) (Meridian)
 (Field) (County or subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 2270' ft.

DETAILS OF WORK

(State names of and expected depths to objective sands, show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

OBJECTIVE: Ordinary Sand, shale, oil, and gas is found at a lesser depth (approx. 4000' plus total depth)

CASING	Size	Depth	Grade	Depth
	13-3/8" OD	40'	2-45	40'
	9-5/8" OD	360'	2-55	1000'
	8 1-1/2" OD	120'	2-55	6600'

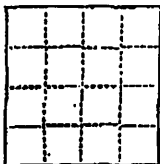
9-5/8" Casing to be cemented from casing point to surface.
5-1/2" Casing remains to be filled with aquagal and cemented with approx. 200 sacks
 I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Holly Oil and Gas Corp.
 Address 702 Second Street
St. Marys, West Virginia
 By Edward Stitt
 Title Leasehold Rep., Gen. Mgr.

07/22/2016

Form 9-509
(April 1962)

520



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. _____
T. _____
R. _____
_____ Mer.

INDIVIDUAL WELL RECORD

PUBLIC LAND: _____ Date July 12, 1960 Ref. No. _____

Land office _____ State West Virginia

Serial No. BIM-A-046842 (Terminated) County Randolph

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Operator _____ District Greenbrier Ranger

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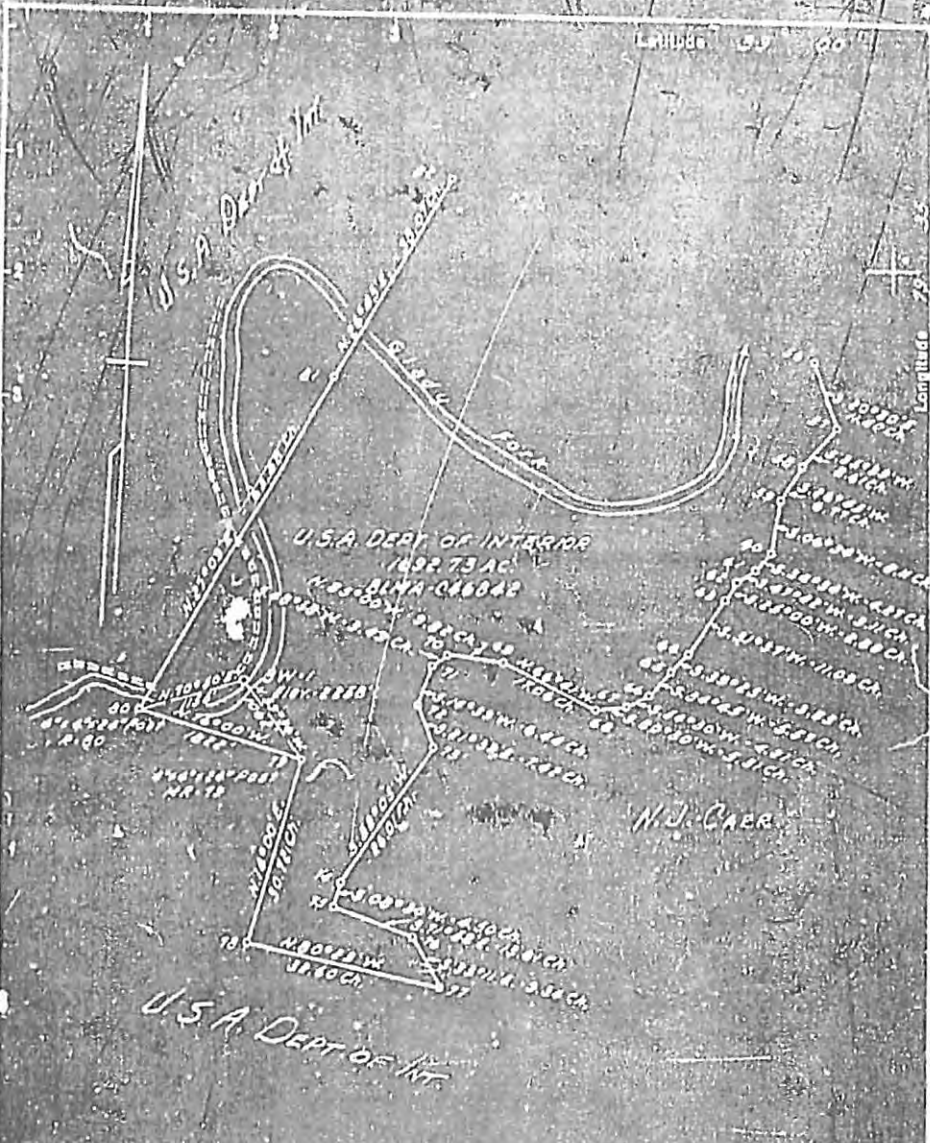
Abandonment approved July 26, 1962 Initial R. P. _____

Geologic Formations		Name	Productive Horizons		Contents
Surface	Lowest tested		Depths		

WELL STATUS

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1962			6585-6570			P4A						
			6570-6755									
			6838-7046									
			7046-7053	T.D.								

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942'-9 5/8" cemented to surface
Gemita Ray Log of entire hole
Laterolog of section 6752-7053
Microlaterolog section 6732-7053
Formation tests at 6820' and 6827'
Loaded hole with Baroid mud-cement cap on casing.
suspended operations on 6-21-59 - Temp. abd.



New Location
 Drill Deeper
 Abandonment

Company	HOLLY OIL & GAS CORP.		
Address	702 2ND ST. ST. MARYS, W. VA.		
Farm	U.S.A. DEPT. OF INTERIOR		
Treat	266	Acres	1492.73 Lease No. 046846
Well (Farm) No.		Serial No.	BW11
Elevation (Spirit Level)	2250		
Quadrangle	HORTON		
County	RANDOLPH	District	DRY FORK
Engineer	JOHN W. HAMILTON		
Engineer's Registration No.	2276		
File No.		Drawing No.	
Date	2-1-59	Scale	1" = 20 CHAINS

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

WELL LOCATION MAP

FILE NO. TRN-104

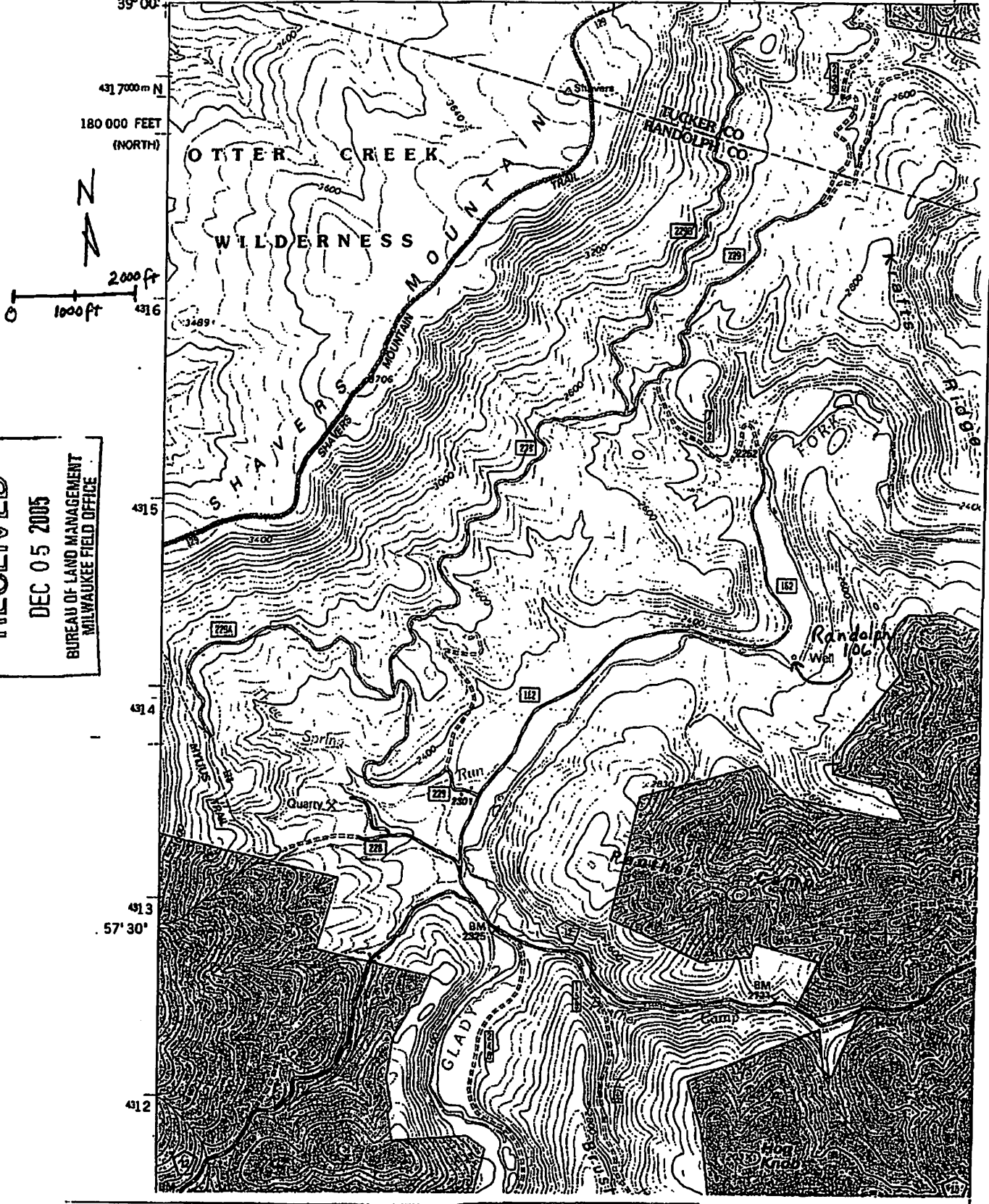
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

copy from USGS 7.5 min. Harman, WV
Quad. showing Randolph 106 location

79° 37' 30" 620000 m E 1 970 000 FEET (NORTH) 622 35' 623
39° 00'



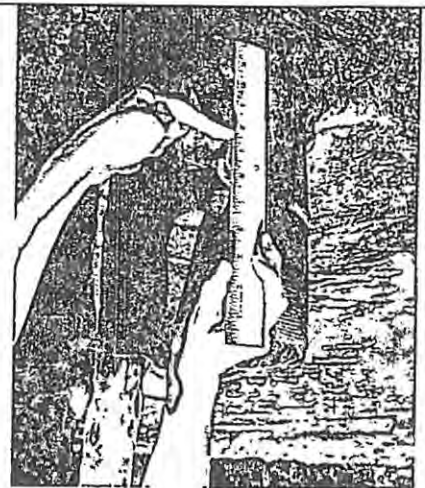
RECEIVED
DEC 05 2005
BUREAU OF LAND MANAGEMENT
MILWAUKEE FIELD OFFICE

INSPECTION

Monongahela National Forest- Orphan Well

Randolph 106 Well, Dated: 07/17/14

The water level in the casing was ~4.5 inches above the water level of the stream. There were NO noticeable gas bubbles escaping from the casing into the stream. There were a significant amount of small air bubbles continually surfacing in the water within the casing. The water within the well was an almost opaque grey color. Except for the water level, the area around the well seems unchanged from the last field assessment.

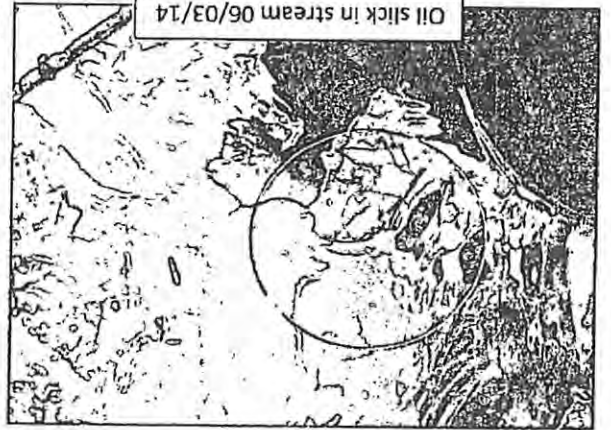


Water levels 07/17/14; finger shows the level of water in the well casing

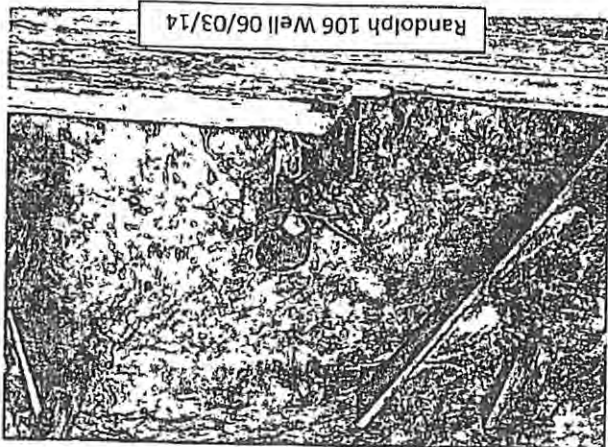


Randolph 106 Well 07/17/14

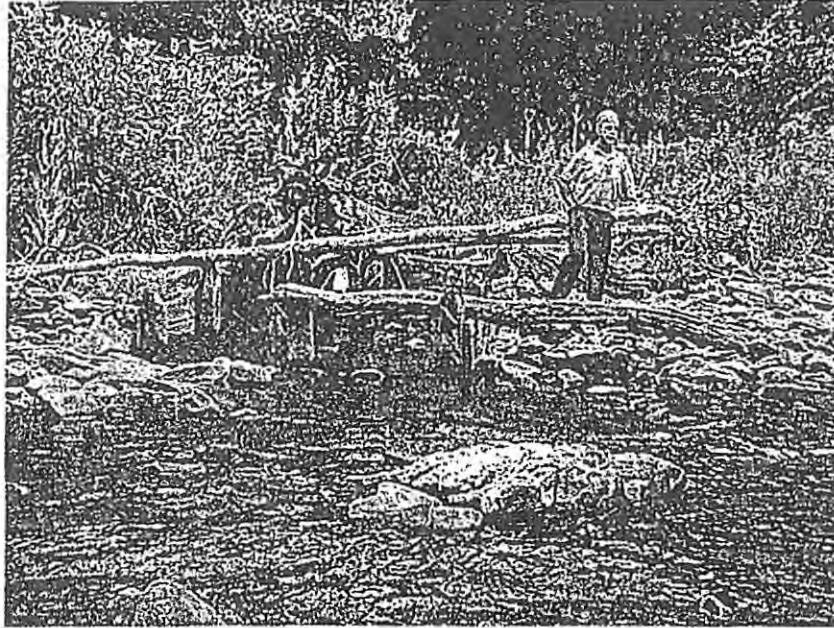
At the last field assessment of the well on 06/03/14, the water level of the well and stream were about the same. The water level of the stream was about ~4-5 inches higher (about the same height as the current water level in the well). There were also noticeable gas bubbles that were entering the stream every few seconds and then dissipating. These bubbles seemed to be escaping from somewhere low in the casing under the water, but no noticeable holes were seen.



Oil slick in stream 06/03/14



Randolph 106 Well 06/03/14



Randolph 106/BW-1 well bore on the east bank of the Glady Fork stream channel. Rodney Dillon, WVDEP Office of Oil and Gas, looking at the well, July 7, 2005.



Randolph 106/BW-1 well bore in Glady Fork on July 7, 2005. Well bore has a gas discharge, also small amounts of oil produce sheen on the water inside and outside the wooden cellar.

WW-4A
Revised 6-07

1) Date: July 14, 2016
2) Operator's Well Number
Randolph 106

3) API Well No.: 47 - 083 - 00106

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

4) Surface Owner(s) to be served:

(a) Name US Dept of Interior - BLM
Address 626 E Wisconsin Ave. Ste 200
Milwaukee, WI 53202

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator
Name N/A
Address _____

(b) Coal Owner(s) with Declaration
Name _____
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

6) Inspector Bryan Harris
Address PO Box 157
Volga, WV 26238
Telephone 3045536087

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

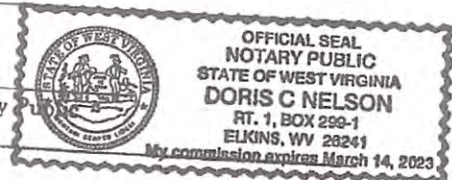
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse 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.

Well Operator US Dept of Interior - Bureau of Land Management
By: Chanda M Broder
Its: ADM - Minerals BLM
Address 626 E. Wisconsin Ave. Ste 200
Milwaukee, WI 53202
Telephone 4142974420

Subscribed and sworn before me this 19th day of July, 2016
Doris C Nelson Notary
My Commission Expires March 14, 2023



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 daprivacyofficer@wv.gov.

WW-4B

API No. 47-083-00106
Farm Name BLM - Randolph
Well No. Randolph 106

**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.

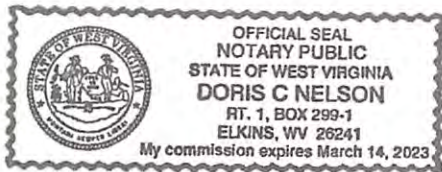
NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ___ / owner X / 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: July 19, 2016

By: Chunhua M. Bodis
Its ADM - Minerals BLM



7/19/16 Doris C. Nelson
Notary Public

SURFACE OWNER WAIVER

Operator's Well
Number

Randolph 106

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 57th 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.

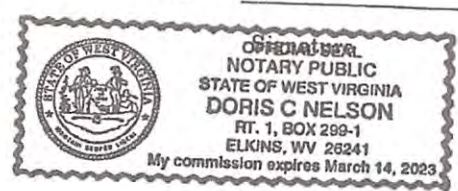
FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION,

ETC.
Murra M Bodus Signature Date 7/19/16 Name _____
By _____
Its _____

Date _____

7/19/16
Doris C. Nelson, Notary Public.



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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name US Dept. of Interior - BLM ES-MILWAUKEE OP Code _____
Watershed Cheat Quadrangle HARMAN
Elevation 2258 County Randolph District Dry Fork

Description of anticipated Pit Waste: Plugging

Will a synthetic liner be used in the pit? No

Proposed Disposal Method For Treated Pit Wastes:
____ Land Application
____ Underground Injection (UIC Permit Number _____)
____ Reuse (at API Number _____)
 Off Site Disposal (Supply form WW-9 for disposal location)
____ Other (Explain _____)

Proposed Work For Which Pit Will Be Used:
____ Drilling
____ Workover
____ Other (Explain _____)
____ Swabbing
 Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, 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.

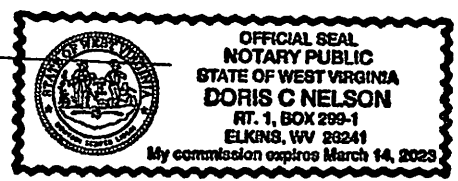
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 Theresa M Bodus
Company Official (Typed Name) Theresa Bodus
Company Official Title ADM - Minerals - BLM

Subscribed and sworn before me this 19th day of July, 2006

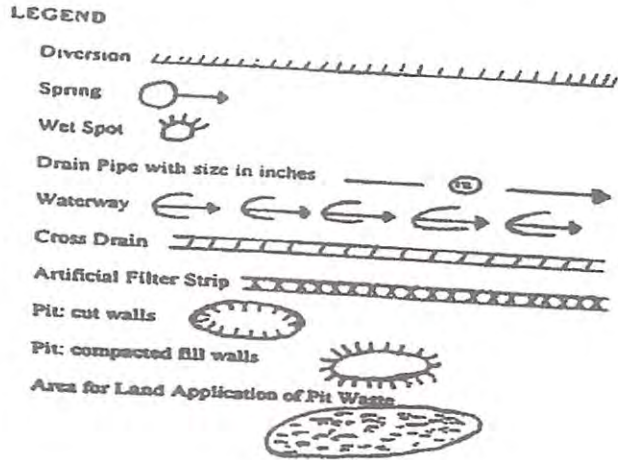
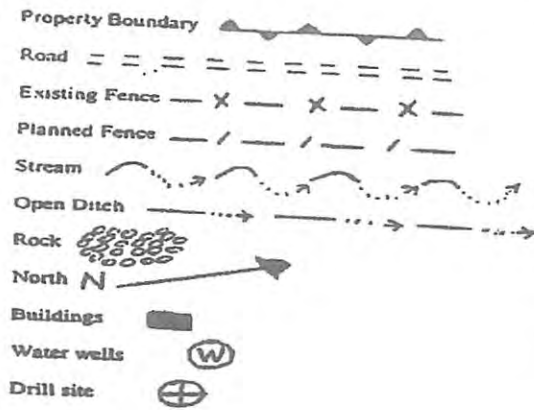
Doris C. Nelson Notary Public

My commission expires March 14, 2023



Form WW-9

Operator's Well No. Randolph 106



Proposed Revegetation Treatment: Acres Disturbed N/A Prevegetation pH N/A

Lime N/A Tons/acre or to correct to pH N/A

Fertilizer (10-20-20 or equivalent) N/A lbs/acre (500 lbs minimum)

Mulch N/A Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
N/A			N/A		
<u>Follow Forest Service Requirements</u>					
<u>Byron O'Hain 7-19-16</u>					

Attach: Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Murisa M Bodes

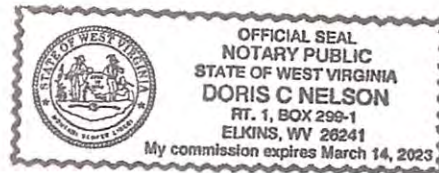
Comments: Randolph 106 is a gas well located in the Dry Fork river. The well is not producing and is a hazard to people, wildlife and vegetation. It must be plugged.

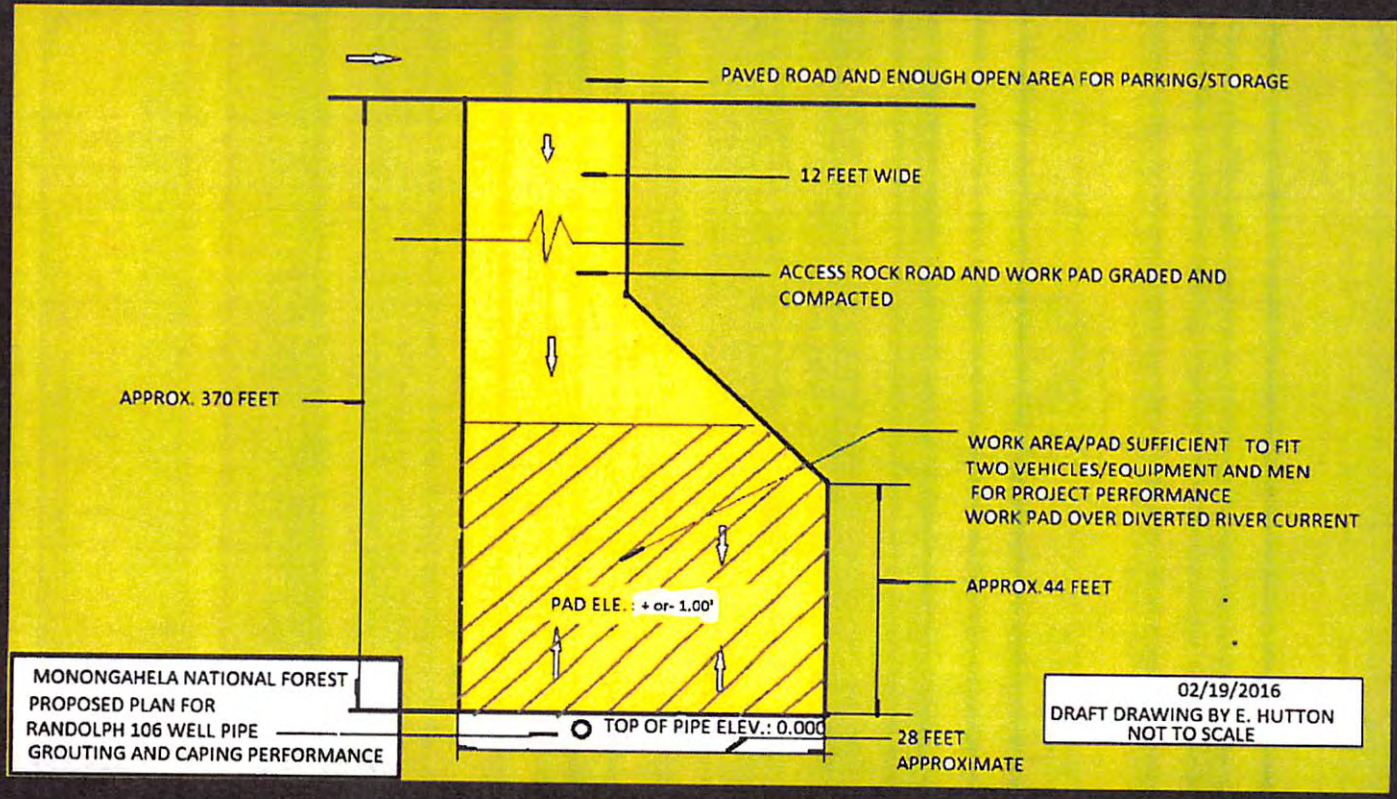
Title: ADM-Minerals BLM

Date: July 19, 2016

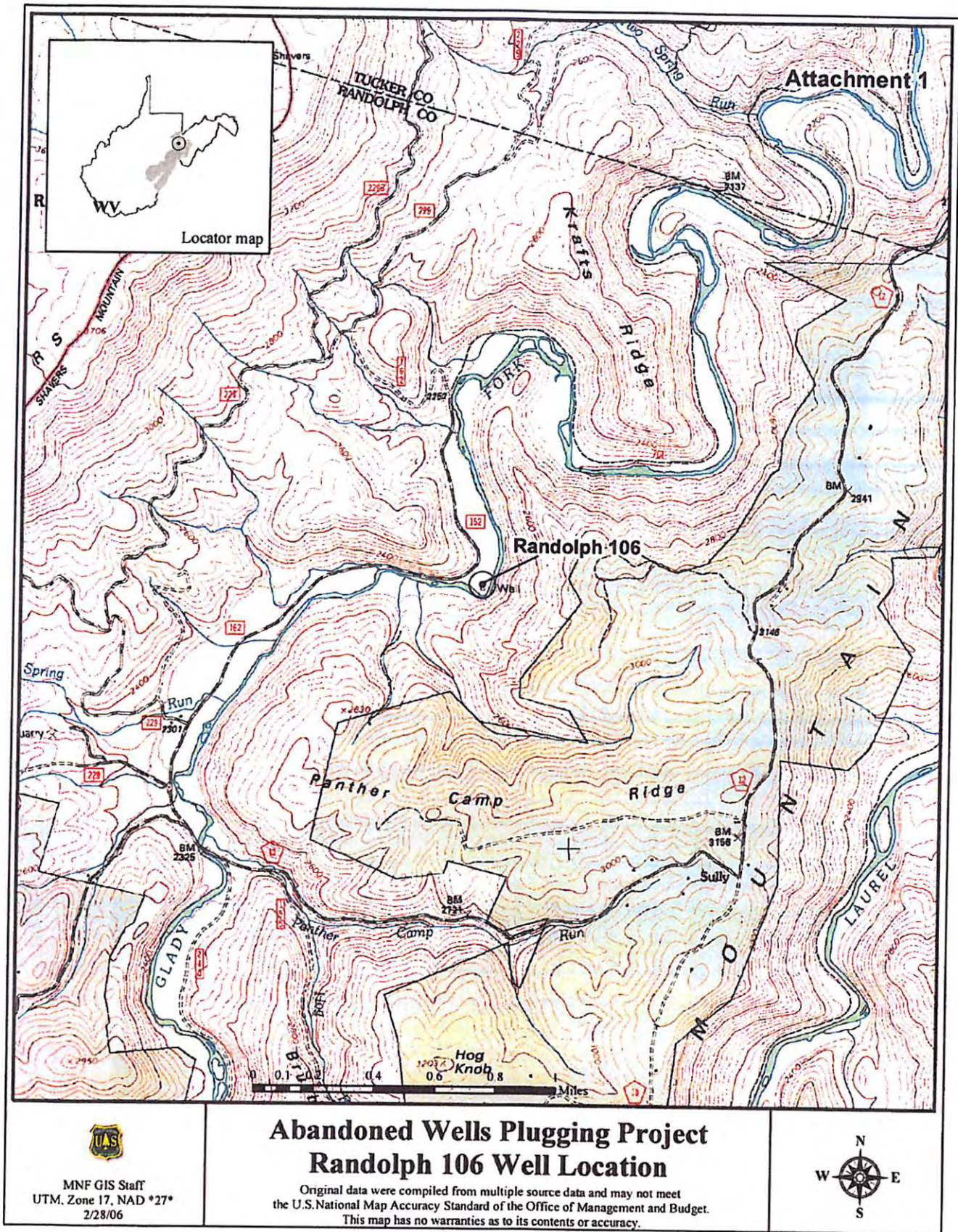
Field Reviewed? Yes No

July 19, 2016
Doris C. Nelson, Notary Public





8300106A



PERFORMANCE WORK STATEMENT

Section C

DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

C.1 SCOPE OF WORK

The Contractor shall provide all personnel, equipment, tools, materials, supervision, and other items and incidental services necessary, except for those designated as Government-Furnished Property to perform the plugging of the Randolph 106 Well as described in this Performance Work Statement (PWS). This plugging operation will be an all-inclusive "lump sum" payment for all services rendered.

These services are to be performed at the well location in Randolph County on the Monongahela National Forest, West Virginia on Tract 26c. The well is 7,053 deep and has been previously plugged with bentonite gel in July 26, 1962 and capped with a welded metal cap. The well may be listed in the West Virginia database as the Well No. BW-1.

C.2 DEFINITIONS

C.2.1 General Definitions

1. **Site Restoration:** Includes work and equipment necessary to (1) Remove and dispose of equipment, structures, trash, and well fluids from the well site; and (2) Perform specified backfilling, regrading, seeding and mulching of the well site and access road to the satisfaction of the BLM.
2. **Work Day:** A workday is considered to be 10 hours. The Contractor will designate the starting hour for the work day at the pre-work conference. This shall be the designated start time each day for the workday unless the Contractor submits a written request for a change to the Contracting Officer Representative (COR).
3. **Rig Hour:** A rig hour is considered to be 1/10th of a work day.
 - a. **Operating Hour Rate:** The dollar rate per hour for the rig with 3-man crew and supervision while the rig is being used to perform work on the well. With a lump sum charge hourly operating rates do not apply.
 - b. **Standby Hour Rate:** The dollar rate per hour for the rig with crew while the rig is not being used to perform work on the wells such as waiting on cement or during BLM evaluation and not due to mechanical failure or breakdown. With a lump sum charge, standby rates do not apply.

4. **Equipment Breakdown:** Rig or associated equipment not capable of being used to perform work on the well due to mechanical failure or breakdown. With a lump sum charge, the breakdown concerns are bore by the contractor.
5. **Equipment malfunction or Unavailability:** BLM will not pay for time charged to equipment while it is unavailable.
6. **Access Road:** An unimproved road established to provide ingress or egress to the well sites.
7. **Trash:** Items of debris or rubbish of an unsalvageable nature not occurring naturally on the well site. Trash does not include hazardous materials found or contained on the well site.
8. **Well Fluids:** Oil, water or drilling/plugging fluids circulated from the well during plugging operations.
9. **Anticipated Bottom Hole Pressure:** This pressure shall be determined from available information including but not limited to completion and production test, drill stem test, or mud weight gradient. Lacking better data, bottom hole pressure shall be determined with a formation pressure gradient of 0.44 to 0.50 psi per foot of depth.

C2.2 References

1. **Code of Federal Regulations (CFR):**
Title 29 CFR Parts 1910/1926
Construction Industry-OSHA 2207
2. **Code of Federal Regulations (CFR):**
Title 43 CFR Part 3160; Onshore Oil and Gas Order No. 2 Drilling Operations:
Section III-G Drilling Abandonment Requirements

C2.3 Submittals

1. **Certification, verification or Listings:** Submit written certification from the manufacturer or a verification that the Contractor-Furnished materials, products and equipment conform to the requirements of this section. Verification submittal shall include a listing with the manufacturers' name, type, size, capacity, and quantity for the following:
 - a. Daily Well Work Report
 - b. Cementing equipment if a third party service.
 - c. Cement and additives in list format
 - d. Drilling mud and additives in a list format

C2.4 Well Information

1. **Location:** The well is the Randolph 106, West Virginia. The well is located in the Gladly Fork Stream Channel. The lat long is 2640' south of Lat 39 degrees 00' and 780 feet west

of longitude 79 degrees and 35 '. The pipe remains above ground and presents a hazard to the public as well as to fishermen. The well is to be plugged and the site restored. Access and mobilization is from existing State and Forest roads and then through a campsite. The site will be accessed through a staging site to be built for plugging.

C2.5 Federal Plugging requirements

1. All cement plugs except surface, will have a slurry volume to fill 100 feet plus 10% slurry for every 1000 feet of depth.
2. Cement plugs shall be a minimum of 50 feet above and 50 feet below the top and bottom perforations. Cement plug will be tagged to ensure adequate strength and placement.
3. If the casing is cut and pulled, a cement plug shall be placed at the casing stub. A minimum of 50 feet above and 50 feet below the casing stub.
4. Any zones that contain fluid with potential to migrate or valuable resources (I.e. usable water, hydrocarbons, coal, oil shale etc.) in an open hole will have a cement plug extending a minimum of 50 feet above and 50 feet below the zones.
5. A cement plug, with a minimum of 50 feet of cement above and 50 feet of cement below, shall be placed at the surface shoe.
6. Intervals between plugs shall have a fluid of sufficient density to exert hydrostatic pressure exceeding the greatest formation pressure encountered while drilling through that interval. A minimum of 9 ppg fluid is required.
7. If the integrity of any plug is questionable, it must be tagged to ensure strength and adequate placement.
8. For the surface plug, a minimum of 50 feet of cement will be placed in the smallest casing and all annuli that extend to the surface.
9. For the surface cap, the casing should be cut off at the base of the cellar or three feet below the final restored ground level whichever is deeper.
10. Water, fluids and drilling muds used or created during the plugging process will be stored in one or more steel tanks onsite. Surface waste pits or drilling pits are not available at this site.

11. A registered saltwater (brine) hauler will remove the waste for disposal at a West Virginia approved site. There is no authorization to "land apply" or discharge any fluids onto the surrounding land surface under a West Virginia Statewide permit.

C2.6 Site Restoration

1. Remove surface well equipment, structures, piping, and trash associated with the oil and gas well and plugging operations including all other materials let by operators at this location.
2. Mitigation of soil erosion shall be required on all access roads and project areas around the access to the well pad site. The use of filter fabric is not permitted.
3. The following mix and guidelines are to be used for all re-vegetation and seeding of the disturbed areas.
 - a. Apply lime to establish a surface pH of 5.5 to 6.0 based on a soil pH test, or apply 2 tons per acre ground limestone.
 - b. Apply fertilizer according to a soil analysis, or at a rate of 600 pounds of 10-20-10 or equivalent.
 - c. Seed mix:

• Virginia wild rye (<i>Elymus virginicus</i>)	8 lbs/acre
• Tioga deer tongue (<i>Panicum clandestinum</i>)	8 lbs/acre
• Bottlebrush grass (<i>Elymus hystrix</i>)	4 lbs/acre
• Silky wildrye (<i>Elymus villosus</i>)	8 lbs/acre
• Canada wildrye (<i>Elymus Canadensis</i>)	8 lbs. acre
• Annual rye	4 lbs/acre
 - d. Apply straw mulch at a rate of 2 tons per acre.
4. Trees may be trimmed for access. Tree removal requires the approval of the Monogohalia National Forest.
5. All construction or earth moving equipment shall be washed prior to entering the project area to prevent the introduction of invasive species.

C2.7 Miscellaneous Other Information

1. Work must begin within 270 days of contract award date timing in conjunction with the BLM.
2. A plugging permit secured by the contractor with the State of West Virginia will be required prior to plugging.

3. The Contractor must take reasonable measure such as posting notices or signs within the project area to notify the public of operations that may pose safety concerns. The project area is within the Monongahela National Forest and is open to the public. Public safety is important.
4. Payment will be rendered upon completion of the job.
5. The period of performance is one year.