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**west virginia** department of environmental protection

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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

October 08, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-8505058, issued to PDC MOUNTAINEER LLC, 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: Nobel Rogers 1  
Farm Name: HEARTWOOD FORESTLAND FU  
**API Well Number: 47-8505058**  
**Permit Type: Plugging**  
Date Issued: 10/08/2014

Promoting a healthy environment.

10/10/2014

## 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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

1) Date May 5, 2014  
2) Operator's  
Well No. Nobel Rogers #1  
3) API Well No. 47-085 - 05058

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

5) Location: Elevation 204.2 m (670 ft) Watershed Hughes River  
District Grant County Ritchie Quadrangle Petroleum 7.5' 544

6) Well Operator PDC Mountaineer, LLC 7) Designated Agent Steven P. Johnson  
Address 120 Genesis Blvd. Address 120 Genesis Blvd.  
Bridgeport, WV 26330 Bridgeport, WV 26330

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name David Cowan Name TBD  
Address 1597 Devil Hole Road Address \_\_\_\_\_  
Harrisville, WV 26362-7543

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

**-Check TD - 3253'**

- 4 1/2" @ 3244'; 7" & 6 5/8" string to 3213' (2087' of 6 5/8" on bottom, 1156' of 7" on top, probably hung with cavings)
- 8 5/8" to 1517' (circulated cmt); 11 3/4" to 30' elevation to 650'; fresh water 40'; no shows noted.
- Pull tubing and rods, 4 1/2. Check TD. Set plug with C1A cement 3253' to 3215'. Attempt to move 7" & 6 5/8".
- If stuck: Find freepoint on 6 5/8" and pull. Perforate remaining casing where plugs are required.
- Set cement plug with C1A cement from 3215' to 3115'. Set cement plug with C1A cement from 1627' to 1527'
- Set cement plug with C1A cement from 200' to surface. Install monument with a minimum of 6" diameter with a minimum of 10' below surface in well bore, also with a minimum 30" above surface and filled with concrete not cement.

RECEIVED  
Office of Oil and Gas  
JUN 18 2014

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

Work order approved by inspector David Cowan WV Department of Environmental Protection Date 5-28-14

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle PETROLEUM

Permit No. RIT-5058

Rotary  Oil   
Cable  Gas   
Recycling  Comb   
Water Flood  Storage   
Disposal  (Kin)

Company PETROLEUM DEVELOPMENT CORPORATION  
Address P.O. BOX 26 BRIDGEPORT WV 26330  
Farm NOBLE J. ROGERS Acres 228.5  
Location (waters) HUGHES RIVER  
Well No. ONE (1) Elev. 650'  
District GRANT County RITCHIE  
The surface of tract is owned in fee by WV PULP & PAPER COMPANY  
Address 1900 BLIZZARD DR. PARKERSBURG WV  
Mineral rights are owned by NOBLE J. ROGERS  
742 BRIGHT RIDGE DR. BRIDGEPORT WV  
Address WORTHY ROGERS  
BOX 18 PERRYSBURG OH  
Drilling Commenced 03/04/81  
Drilling Completed \_\_\_\_\_  
Initial open flow 5000,000 cu. ft. 600 bbls.  
Final production 3,000,000 cu. ft. per day 150 bbls.  
Well open 48 hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill Cu. ft. (Sks)
Size 20-16			
Cond. 11 3/4	30'	30'	circulate
13-10"			
9 5/8			
8 5/8	1517'	1517'	circulate
7			
5-1/2			
4 1/2			
3			
2			
Liners Used			

WELL HAS  
7" 46 5/8" ONE STANG  
3213'  
4 1/2" TO 3248'

Well treatment details:  
NATURAL

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water 40' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand DEVONIAN SHALE Depth 3200'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
K.B. - G.L.			0'	10'		
Sand, Shale			10'	628'		
Gas Sand			628'	668'		
Sand, Shale			668'	798'		
1st Salt			798'	888'		
Sand, Shale			888'	948'		
2nd Salt			948'	1076'		
Sand, Shale			1076'	1198'		
3rd Salt			1198'	1268'		

RECEIVED  
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JUN 13 2014

WV Department of  
Environmental Protection

10/10/2014

Big Injun	1494'	1594'
Squaw	1594'	1658'
Shale, Sand	1658'	2048'
Berea	2048'	2090'
Shale	2090'	3100'
Silty Sand	3100'	3130'
Shale, non calcareous	3130'	3220'
Shale, calcareous	3220'	3253' TD

Gas check @ TD 4.5 mmscf = 2½" stream of oil

RECEIVED  
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JUN 13 2014

WV Department of  
Environmental Protection

10/10/2014

## Drilling History For Noble Rogers #1 - From Daily Drilling Report

Noble Rogers #1  
 Rit-5058, Grant District  
 Ritchie County  
 TD 3253', Elk  
 AFE# 81-001/Lease #76700

3/3/81 Union Drilling Rig #5 - Moved rig on location and spudded well at 7:30 P.M.

3/4/81 80' 80' 1  
 Union Drilling Rig #5 - At 80' and drilling.

3/5/81 1080' 1000' 2  
 Union Drilling Rig #5 - At 1080' and dusting. Drilling 20 min. to a Kelly.

3/6/81 1517' 437' 3  
 Union Drilling Rig #5 - 3/5/81 - TD hole at approx. 1530'. Ran 1517', 35 joints, 1023' of 20 lb. and 494' of 23 lb., 8 rd. thread, 8 5/8" casing. Pipe set at 1517' G.L. Used one centralizer. One cement basket at 40'. One guide shoe. Used gel. Halliburton cemented with 280 sks 50/50 poz. Hole did circulate. Plug down at 9:00 P.M.  
 3/6/81 - Union Drilling Rig #5 - Drilling on cement.

3/7/81 Saturday - 3253' 1736' 4  
 Union Drilling Rig #5 - Show gas at 3253' - 90/10 thru 7", estimated 4.5 mmcfpd. KO, flow oil. 2 1/2" steady stream. Rig shut down.

3/8/81 Sunday - 3252' 0' 5  
 Flowing O & G. Heading. Estimated gas at 3.0 mmcfpd. Made estimated 1135 BO/15 hr. Rig shut down.

3/9/81 Monday - 3253' 0' 6  
 Heading and flowing into earthen pit. No estimation of volume. Will try to lay down DP.

3/10/81 Trying to take drill pipe out of hole. Eureka transporting oil. ( 2-250 bbl tanks )

Add:  
 3/9/81 Flowed well and pumped oil from pit into 2 - 250 bbl tanks. Set up tank battery for 4 - 100 bbl tanks. Picked up drill pipe and rotated. Did not pull drill pipe because to much gas pressure and well flowing eraticly.

Add:  
 3/10/81 Pumped oil from test tank to tank battery. (approximately 1500 bbl) Pulled drill pipe and drill collar. Put on 8 5/8" x 4 1/2" sage and frac valve. Tied well into 250 bbl test tank. Well started flowing at 3:30 P.M. Flowed well all night. Eureka hauled oil until midnight. Tested well approximately 15 bbl per hour. Well still flowing at 7:00 A.M. thru choke valve. Made 18'1" oil in 12 hours from 9:00 P.M. 3/10/81 to 9:00 A.M. 3/11/81. (250 bbl tanks) Well made 252 bbl in 12 hours. Released rig at 4:00 P.M.

/tjr

10/10/2014

- 3/11/81      Flowing well.
- 3/12/81      Flowing well. Made 4'1" oil in 6 hours between 1:00 a.m. thru 7:00 a.m. this morning. Approximately 10 bbl per hour. Eureka still transporting oil off of location.
- 3/13/81      Flowing well. Made 17' in 11 hours. Approximately 21½ bbl per hour. Eureka still transporting oil.
- 3/16/81      Flowing well. Making approx. 1'5" per hour. (22 bbl) 50lb. pressure on well. Eureka hauling oil all week end.
- 3/17/81      From 9:00 a.m. 3/16/81 to midnight 3/16/81 made 13' 8" oil. Approx. 193 bbl in 13 hours. Change tank manifold from 2" to 3". Eureka will haul oil this evening.
- 3/18/81      Made approx. 161.24 bbl of oil from 3:00 p.m. 3/17/81 to 6:00 a.m. 3/18/81. Well is still flowing. (11' 7"). Service Rig #59 - Will prepare to run 3253' of 2 3/8" tubing tomorrow.
- 3/19/81      Made 11' 6" of oil (approx. 160 bbl) between 4:00 p.m. 3/18 to 7:00 a.m. 3/19. Well flowing erratically. Service Rig #59 - Ran 102 joints of 2 3/8" tubing. Total tubing ran was 3189'. Made 31' 9" (approx. 442 bbl) of oil in a 16 hour period between 4:00 p.m. 3/19 to 8:00 a.m. 3/20.
- 3/20/81      Will tear down and move to Salem College #1 pending on road conditions.
- 3/23/81      Sold 850 bbl oil on March 20th and March 21st. Well was turned inline 3/21/81 and making 15 bbl per hour at time it was turned in line. Will ship oil today.
- 3/24/81      Well flowing. Made 222 bbl oil in 13 hours. Approx. 17 bbl per hour. Flowing thru 29/64 choke. Flow pressure 120# on 2 3/8" and 390# on 8 5/8" casing. (2 3/8" tubing.)
- 3/25/81      Well made 14' of oil from 6:00p.m. 3/24 to 6:00a.m. 3/25. Approx. 11½ bbl per hour. Well flowing thru 20/64 choke.
- 3/26/81      Well flowing. Made approx. 1' per hour. 10 bbl per hour.
- 3/27/81      Made approx. 1' 3" per hour; 12 bbl per hour.
- 3/28/81      Made approx. 13" per hour; 266 bbl and flowing thru 22/64 choke. 450 lbs. of pressure on casing and 220 psi. on tubing.
- 3/29/81      Well flowing. Made approx. 11 bbl per hour. 450 lb. on 8 5/8 and 220 lb. on tubing.
- 4/1/81      Well flowing. Making approx. 10 bbl per hour.
- 4/2/81      Well flowing-Made 128 bbl oil in 24 hours. (approx. 5 bbl per hour) Put well on 12/64 choke due to Pennzoil tank storage.

4/3/81 Made 80 bbl yesterday. Well is flowing thru 12/64 choke. 80 lb. on tubing and 640 lb. on 8 5/8".

4/6/81 Made 80 bbl Saturday and the same on Sunday thru a 12/64 choke. 625 psi. on 8 5/8" and 220 psi. on tubing.

4/7/81 Made approx. 80 bbl yesterday thru 12/64 choke.

4/8/81 Made approx. 80 bbl yesterday thru 12/64 choke. 650 psi. on 8 5/8" casing and 450 psi. on 2 3/8" tubing.

4/9/81 Making approximately 80 bbl per day thru 12/64 choke. 630 psi. on 8 5/8" casing and 210 psi. on 2 3/8" tubing.

4/10/81 Making approximately 80 bbl per day thru 12/64 choke. 650 psi. on 8 5/8" casing and 190 psi. on 2 3/8" tubing.

4/13/81 Making approx. 80 bbl per day thru 12/64 choke. 600 psi. on 8 5/8" casing and 240 psi. on 2 3/8" tubing and 40 psi. on the separator.

4/14/81 Making approx. 80 bbl per day thru 12/64 choke. 650 psi. on 8 5/8" casing, 210 psi. on 2 3/8" tubing and 40 psi. on the separator.

4/15/81 Making approx. 80 bbl per day thru 12/64 choke. 620 psi. on 8 5/8" casing, 220 psi. on 2 3/8" tubing and 45 psi. on the separator.

4/16/81 Making approx. 80 bbl per day thru 12/64 choke. 630 psi. on 8 5/8" casing, 220 psi. on 2 3/8" tubing and 50 psi. on the separator. Shipped 2 tanks of oil yesterday.

4/17/81 In 23 hours well made 86 bbl. Still flowing thru a 12/64 choke.

4/20/81 Made approx. 82 bbl of oil thru 12/64" choke. 630 psi on 8 5/8" casing, 220 psi. on tubing and 50 psi. on separator.

4/21/81 Made approx. 80 bbl of oil thru 12/64" choke. 630 psi. on 8 5/8" casing, 220 psi. on tubing and 50 psi. on separator.

4/22/81 Made approx. 82 bbl oil thru 12/64" choke. 630 psi. on 8 5/8", 320 psi. on tubing, and 120 psi. on separator.

4/23/81 Made approx. 82 bbl oil thru 12/64: choke. 620 psi. on 8 5/8", 230 psi. on tubing, and 120 psi. on separator.

4/24/81 Made approx. 80 bbl oil thru 12/64" choke. 630 psi. on 8 5/8", 230 psi. on tubing, and 190 psi. on separator.

4/27/81 Making approx. 78 bbl per 24 hr. period. 600 psi. on casing. 340 psi. on tubing. 50 psi. on separator.

4/28/81 Made approx. 78 bbl oil in 24 hr. period thru 12/64" choke. 640 psi. on 8 5/8", 280 psi. on tubing, 52 psi. on separator.



Noble Rogers #1 (continued) Page 4

4/28/81 Made approx. 78 bbl oil in 24 hr. period thru 12/64" choke. 640 psi on 8 5/8", 280 psi on 2" and 52 psi on separator.

4/30/81 Made 6½" per hr. since 4:30 p.m. yesterday (Avg. 128 bbl) thru 12/64" choke. 475 psi. on casing. 300 psi on tubing. 80 psi. on separator.

5/1/81 Made 6½" per hour since 4:30 p.m. yesterday (Avg. 128 bbl) thru 20/64" choke. 475 on casing. 250 psi on tubing. 80 psi on separator.

5/4/81 Made 6¼" per hour thru 20/64 choke. (approx. 128 bbl in 24 hours) 450 psi on 8 5/8". 250 psi. on tubing and 75 psi. separator.

5/5/81 Made 6" per hour thru 20/64" choke. (avg. 118 bbl in 24 hrs. 425 psi. on 8 5/8" casing. 250 psi. on tubing and 90 psi. on separator.

5/6/81 Made 5" per hour thru 20/64" choke. (approx. 98 bbl in 24 hr) 425 psi. on 8 5/8" casing 275 psi. on tubing and 90 psi. on separator.

5/7/81 Made approximately 106" in 24 hours. (approx. 87 bbl in 24 hours) 425 psi. on 8 5/8" casing. 225 psi. on tubing and 90 psi on separator.

5/8/81 Made approximately 107" in 24 hours. (approx. 87½ bbl in 24 hours: 425 psi on 8 5/8", 225 psi on tubing and 85 psi on separator.

5/11/81 Made approx. 75 bbl in 24 hours Saturday 5/9 and approx. 75 bbl Sunday 5/10. 425 psi on 8 5/8" and 190 psi on tubing and 80 psi on separator. CGSC meter had 62 psi passing 27' / minute.

5/12/81 Made approx. 68 bbl in last 24 hours thru 20/64" choke. 425 psi on 8 5/8", 180 psi on tubing and 80 psi on separator.

5/13/81 Made approx. 65 bbl in last 24 hours thru 20/64" choke. 415 psi on 8 5/8", 170 psi on tubing and 80 psi on separator.

5/14/81 Made approx. 62 bbl in last 24 hours thru 20/64" choke. 405 psi on 8 5/8", 190 psi. on tubing and 80 psi on separator.

5/15/81 Made approx. 62 bbl in last 24 hours thru 20/64" choke. 395 psi on 8 5/8", 150 psi on tubing and 75 psi on separator.

## Noble Rogers #1 (continued)

- 6/4/81 Service Rig #59 - Moved on location.
- 6/5/81 Service Rig #59 - Pulled out 4 joints of tubing, and tried to get well to come around.
- 6/8/81 Service Rig #59 - 6/5/81 Friday - Pulled 3220' of 2 3/8" tubing and reran in hole.
- 6/8/81 Service Rig #59 - Pumped 1000 gal. on unleaded gas to use as parafin solvent, (Pumped in with PDC water truck) in well and pumped approx. 30 bbl of crude oil in to circulate parafin solvent and swabbed well back.
- 6/10/81 Service Rig #59 - Swabbed well back thru 2 3/8" tubing. Well made 4' of oil in 250 bbl tank the first hour (approx. 55 bbl) and made 0" the second hour. 374 psi on casing and 50 psi on separator. Well is set thru a 16/64" choke.
- 6/11/81 Service Rig #59 - Ran 10' more of tubing in well and brought tubing within 1' of bottom of hole. Swabbed well down. 280 psi on casing and 0 psi on tubing.
- 6/12/81 Added 15' to tubing string. Old tubing TD 3189', new tubing TD 3204' (1' off bottom), total depth of well 3253'. Well blowing shale cavings, salt water, oil & large quantity of gas wide open thru 2" full port valve and holding 210 psi on 8 5/8". After 2 hrs. test the well made 26 bbl oil & 2 bbl salt water with a lot of cavings. Shut well in. The well had 400 psi on 2" tubing & 375 psi. on 8 5/8" casing.  
6/12/81 - Service Rig #59 - Drilled out cavings -- Blowing cavings out.
- 6/15/81 Service Rig #59 - 6/12/81 - Blowing cavings - pulled out 10' of 2 3/8" tubing. Saturday - 6/13/81 - Swabbed and kicked well off - Made 6" oil in 250 bbl tank. (approx. 7 bbl) - Put on weekend test of 16/64" choke.
- 6/16/81 Well made approx. 90 bbl of oil in 12 hours. Flowing thru 2" valve. Well holding 100 psi on 8 5/8".
- 6/17/81 Service Rig #59 - Ran additional 24.32' of 2 3/8" tubing. Made 98" of oil in a 12 hr. period night before last in a 250 bbl tank. (approx. 113 bbl) Pumped 400 bbl off of hill to shipping tank. Well was holding 150 psi. on 8 5/8" while it was flowing.
- 6/18/81 Service Rig #59 - Blowed well and tried to lower tubing. - Well made 8'7" in last 24 hour period. (approx. 119 bbl) Well had 120 psi on 8 5/8"
- 6/19/81 Well made 69" of oil in last 24 hour period. (approx. 112 bbl oil) Well had 120 psi on 8 5/8"
- 6/22/81 Service Rig #59 - Put on 32/64 choke and put in line. Moved off location.

/tjr

10/10/2014

## Noble Rogers #1 (continued)

6/29/81 Service Rig #59 - Moved on location and raised tubing 20'. Put well back in production on 32/64 choke.

7/2/81 Service Rig #59 - Pulled 1 joint of 2 3/8" tubing and put on 22/64" choke.

7/3/81 Made 4" of oil (approx. 3 bbl) over weekend thru 8/64" choke  
- 7/5/81 Well had 325 psi on 8 5/8", 275 psi on 2 3/8" tubing and 50 psi on separator.

7/7/81 Service Rig #59 - Tore down and moved off location.

7/21/81 Service Rig #59 - Pumped oil over hill. Well made 3 7" in 250 tank overnight. Well had 100 psi on casing and 70 psi on tubing. Rig moved off location.

8/7/81 Service Rig #59 - Moved on location. Ran small tools into 2 3/8" tubing. Cleaned pipe with small tools and ran Directional log.

8/10/81 Shut in

8/11/81 Service Rig #59 - Swabbed well.

8/12/81 Service Rig #59 - Flowed well and pulled 90' of tubing out of hole.

8/13/81 Service Rig #59 - Swabbed well thru 2" tubing.

8/14/81 Service Rig #59 - Lowered tubing 25' - Swabbed well thru tubing. Made 28 bbl.

8/17/81 Service Rig #59 - 8/14/81 - Put 1 joint of tubing in well and flowed and swabbed well. 8/15/81 - Flowed well and pumped oil over hill.

8/18/81 Service Rig #59 - Lowered tubing 8' - Ran small tools to remove cavings and flowed well.

8/19/81 Service Rig #59 - Drilled out cavings with little tools. Put 35 bbl of Drip gasoline in well and flowed back approx. 3 bbl of Drip gasoline. Put well in 1/2" choke for overnight.

8/20/81 Service Rig #59 - Pulled tubing and pup joint. Ran back in and swabbed well down.

8/21/81 Service Rig #59 - Swabbed and flowed well.

8/24/81 Service Rig #59 - Put parafin solvent in well. Shut well in over weekend. 8/24/81 - Started swabbing well - 1500' of fluid in hole with 140 psi on 8 5/8" casing and 0 psi on tubing.

8/25/81 Service Rig #59 - Swabbed well.

8/26/81 Service Rig #59 - Swabbed and flowed well.

/tjr

10/10/2014

## Noble Rogers (continued)

8/27/81 Service Rig #59 - Flowed well and lowered tubing 40'.

8/28/81 8/27/81 - Fluid Sample - 50% oil, 50% water, some solid parafin & shale cavings. Specific gravity - .779, API gravity - 50.1°. Service Rig #59 - Flowed cavings out of well. Well had 275 psi. on 8 5/8" casing and 270 psi. on tubing this morning.

8/31/81 Service Rig #59 - Flowed well and worked tubing up and down.

9/1/81 Service Rig #59 - Working tubing up and down well.

9/2/81 Service Rig #59 - Working tubing up and down well. Flowed cavings.

9/3/81 Service Rig #59 - Cleaning out cavings, oil and water inside tubing.

9/4/81 Service Rig #59 - Worked tubing up and down and flowed cavings.

9/8/81 Service Rig #59 - Worked tubing up and down and flowed cavings. Made 40 bbl from Friday thru Monday.

9/9/81 Service Rig #59 - Worked tubing up and down and flowed cavings.

9/10/81 Shut Down - Awaiting pipe.  
- 9/25/81 9/25/81 - Service Rig #59 - Moved off location.

9/26/81 W.O.C

10/7/81 Service Rig #59 - Moved on location and rigged up.

10/8/81 Service Rig #59 - Pulled 2" tubing. Rigging up B.O.P.

10/9/81 ServiceRig #59 - Ran a total of 3213.31' of pipe; 2086.71' of 6 5/8" pipe and 1156.13' of 7" pipe.

10/12/81 Service Rig #59 - String up 5" Standard Drilling Tools.

10/13/81 Service Rig #59 - Removed blow-out preventer and prepared tools to go in hole. Put tools down 1136' thru 7" - could not get tools down 6 5/8".

10/14/81 Service Rig #59 - String up Standard drilling tools - Drilled out calseal plug - Cleaned out to 3228'.

10/15/81 Service Rig #59 - Cleaned out cavings with Standard Drilling Tools.

10/16/81 Service Rig #59 - Cleaned out cavings with Standard Drilling Tools. Ran 31.75', 1 joint, of tubing.

10/19/81 Service Rig #59 - Ran 12' of tubing and sand pumped.

/tjr

## Noble Rogers #1 - (continued)

10/20/81 Service Rig #59 - Sand pumped well.

10/21/81 Service Rig #59 - Bailed and sand pumped well.

10/22/81 Service Rig #59 - Tripped 1 joint of 7" pipe out of hole and cleaned out cavings to 3248' with Standard Drilling tools.

10/23/81 Service Rig #59 - Bailed well and cleaned out cavings with Standard drilling tools.

10/26/81 Service Rig #59 - 10/23/81 - Bailed well and unloaded 4½" casing. 10/24/81 - Ran 3243.88' of 4½" casing.

10/27/81 Service Rig #59 - Well kicked off thru 4½" - Pumped fluid and cavings out of hole.

10/28/81 Service Rig #59 - Blowed and swabbed well - flowed 35 bbl of fluid into tank. Well made 1" of oil and a large amount of cavings. Well had 260 psi. between 4½" - 7", 300 psi. between 7" - 8" and 320 psi. inside 4½".

10/29/81 Service Rig #59 - Flowed well and made 24 bbl of oil and cavings.

10/30/81 Service Rig #59 - Lowered 4½" casing 5' and got well kicked off - flowed 27 bbls of oil and cavings.

11/2/81 Service Rig #59 - Tried to lower 4½" pipe - could not get it down hole. Swabbed 42 bbl of oil and cavings out of well.

11/3/81 Service Rig #59 - Tay 4½" casing and hung in hole at 3243' on 10/24/81 Start cleaning out well. Well has been flowing oil and cavings thru 4½" casing from 10/26/81 thru 10/31/81 and has made 195 bbl oil. 11/1/81 thru 11/2/81 - Lowered 4½" casing 5' to 3248' - Flowing oil & cavings. Flowed 23 bbl oil. Well had 300 psi.

11/4/81 Service Rig #59 - Flowed oil and cavings. Made 28½ bbl in an 8 hr. period.

11/5/81 Service Rig #59 - Flowed well - Made 7 bbl of oil. Ran 3232' of 2 3/8" tubing.

11/6/81 Service Rig #59 - Ran 10' of 2" tubing. Tubing total depth - 3240'. Tore down and moved off location.

1/6/82 Service Rig #59 - Moved on location and set up.

1/7/82 Service Rig #59 - Checked out TD on 2" pipe - was 3253'

1/8/82 Service Rig #59 - Run 14' T.H.D. 8 cup and 31 Flexide Rings and Harbison - Fisher Bottom Hole Pump with positive anti-gas lock tool and Gravel packed screen on gas anchor.

1/11/82 Service Rig #59 - 1/8/82 - Moved off location.

1/15/82 Turned well into gas line.

/tjr

10/10/2014

MCJ FORM 49

**McJunkin**  
CORPORATION

DATE Sept 14-81 19\_\_

SHIP TO Rogers #1

C. S. \_\_\_\_\_ FEET \_\_\_\_\_ SIZE 6 5/8 WEIGHT \_\_\_\_\_

CAR NO. \_\_\_\_\_ TRUCK \_\_\_\_\_

TALLIED FROM \_\_\_\_\_ SKID NO. \_\_\_\_\_

No. Pcs.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	32	40	33	70								
2	33	40	31	50								
3	32	55	32	85								
4	32	85	31	95								
5	33	05	32	00								
6	29	25	31	65								
7	32	50	32	30								
8	33	35	32	10								
9	33	70	32	85								
10	31	70	30	55								
11	29	40	32	35								
12	33	20	32	55								
13	31	20	32	35								
14	31	00	32	70								
15	32	70	31	45								
16	32	10	27	30								
17	33	15	32	70								
18	32	95	33	30								
19	33	70	32	25								
20	33	30	32	15								
	542	55	639	45								

Total No. of Pieces 40 Length 1287 in. 40 in.

Remarks \_\_\_\_\_

Tallied by B. Jones

**PIPE TALLY**  
**COFSCO OF WEST VIRGINIA**

STATE ROUTE 33, EAST  
WESTON, WEST VIRGINIA 26452

Date 9-14-81 From Export Yard  
To Name M. Rogus #1 Chg. No. \_\_\_\_\_

Size and Kind 7"

NO.	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
1	32	50	30	90						
2	33	—	32	—						
3	31	85	33	60	52					
4	32	85	32	90	55					
5	32	40	32	—	4					
6	33	15	32	40	48					
7	33	70	33	—						
8	32	80	32	50						
9	33	50	32	60						
10	31	30	32	55						
11	33	25	29	40						
12	34	—	33	70						
13	33	60	33	95						
14	27	60	33	45						
15	30	70	34	—						
16	33	70	—	—						
17	32	25								
18	32	70								
19	33	10	32							
20	29	70								
21	31	50								T
22	33	35								O 811 30
23	31	70								T 489 15
24	33	60								A
25	33	—								L
<b>TOTAL</b>	<b>810</b>	<b>30</b>	<b>489</b>	<b>15</b>						<b>1300 45</b>

MCJ FORM 49

# MJunkin CORPORATION

DATE 10-8-81 19\_\_

SHIP TO

Rogers #1  
Slotted - Perfermented Line

C. S. \_\_\_\_\_ FEET \_\_\_\_\_ SIZE 7" WEIGHT \_\_\_\_\_

CAR NO. \_\_\_\_\_ TRUCK \_\_\_\_\_

TALLIED FROM \_\_\_\_\_ SKID NO. \_\_\_\_\_

No. Pcs.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
											12	27
1	30	20	33	75							8	25
2	33	30	32	45							4	25
3	33	25	33	10							4	25
4	32	70	32	65							4	25
5	27	30	32	75							5	66
6	31	50	36	95							3	30
7	32	70	31	20								
8	31	40	33	20								
9	32	60	29	40								
10	32	35	31	65								
11	30	60	33	70								
12	32	90	33	35								
13	32	15	32	50								
14	32	35	29	20								
15	31	70	33	30								
16	31	95	39	85								
17	32	85	32	55								
18	31	50	33	40								
19	33	70	32	40								
20	33	35										
	512	35	114	25								

Total No. of Pieces \_\_\_\_\_, Length \_\_\_\_\_ ft. \_\_\_\_\_ in.

Remarks 32 13.81 (3214.32)

Tallied by \_\_\_\_\_



MCJ FORM 49

# MJunkin CORPORATION

DATE 10-8-81 19

SHIP TO \_\_\_\_\_

Rogers #1

C. S. \_\_\_\_\_ FEET \_\_\_\_\_ SIZE 6 5/8 WEIGHT 2.48 lb

CAR NO. \_\_\_\_\_ TRUCK \_\_\_\_\_

TALLIED FROM \_\_\_\_\_ SKID NO. \_\_\_\_\_

No. Pcs.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	29	75	32	57	32	75	31	95				
2	32	68	31	15	32	35	52	40				
3	30	21	31	24	32	70	30	00				
4	31	65	32	70	31	26	29	75				
5	31	35	31	35	32	50	32	80				
6	32	60	32	65	31	90	31	40				
7	33	30	32	43	30	80	32	85				
8	30	55	30	90	31	55						
9	31	99	4	05	31	35						
10	32	00	30	55	31	30						
11	31	93	31	39	32	30						
12	32	15	31	85	32	10						
13	31	80	32	69	31	25						
14	32	20	31	64	31	20						
15	31	75	31	00	30	00						
16	32	24	32	60	31	85						
17	31	75	29	10	32	60						
18	31	63	31	95	31	10						
19	31	10	31	10	30	85						
20	32	41	32	65	31	35						
	602	99	630	536	32	05	221	15				

Total No. of Pieces \_\_\_\_\_; Length 2086 ft. 71 in.

Remarks 6 5/8" 2086.71

(2087-72)

155.59 prep joints seal nipple

Tallied by \_\_\_\_\_

10/10/2014

*Handwritten notes:*  
 10/13/81  
 10/13/81

# PIPE TALLY

## COFSCO OF WEST VIRGINIA

STATE ROUTE 33, EAST  
 WESTON, WEST VIRGINIA 26452

Date: 10/13/81 Chg. No. 23931  
 Name: Petroleum Dev. Corp.  
 Size and Kind: 4 1/2" 10.50 # C.W. Noble Pagers #1

NO.	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
1	33	7	33	9	33	7	33	9		
2		7		9				9		
3		8		9				9		
4		8		9				8		
5		9		9						
6		7		9						
7		7						8		
8		7						7		
9		7								
10		10								
11		10		9						
12		10		10						
13		9								
14		10								
15		10								
16		9								
17		9				9				
18		9				8		7		
19		9				7		9		
20		9				7		9		
21		9				7		9	T 740	23
22		10				7	33	8	O 842	48
23		10		10		7			T 845	03
24		8		8		7			A 843	53
25	33	9	33	9	33	7			L	
<b>TOTAL</b>	<b>813</b>	<b>53</b>	<b>845</b>	<b>03</b>	<b>842</b>	<b>48</b>	<b>740</b>	<b>23</b>	<b>3271</b>	<b>27</b>

MCJ FORM 49

# McJunkin CORPORATION

DATE 10/24 1981

SHIP TO Progress #1

C. S. \_\_\_\_\_ FEET \_\_\_\_\_ SIZE 4 1/2 WEIGHT 10.50

CAR NO. 6 TRUCK 33

TALLIED FROM B.T. Hughes SKID NO. Whitcomb #2

No. Pcs.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.
1	33	58	33	50	33	30	53	55	33	80		
2		45		30		30		50		35		
3		45		50		45		60		45		
4		45		45		30		60		50		
5		45		45		30		50		30		
6		45		45		30		55		50		
7		45		30		30		55		30		
8		45		30		30		45		50		
9		50		30		60		55		45		
10		50		30		55		55		50		
11		45		35		50		50		45		
12		45		45		60		55		50		
13		50		35		55		50		50		
14		50		30		50		60		50		
15		30		30		50		60		45		
16		35		35		50		45		50		
17		30		30		50		55		45		
18		45		30		60		60				
19		45		30		50		45				
20		30		30		60		50				
	668	70	667	23	669	05	670	70	76	820		

Total No. of Pieces \_\_\_\_\_ : Length \_\_\_\_\_ in.

Remarks 3244.88

10/10/2014

8505058P

WW-4A  
Revised 6-07

1) Date: 5/5/2014  
2) Operator's Well Number  
Nobel Rogers #1  
3) API Well No.: 47 - 085 - 05058

**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>Heartwood Forestland Fund IV, Limited Partnership</u>	Name <u>NA</u>
Address <u>3001 Emerson Ave.</u>	Address _____
<u>Parkersburg, WV 26104</u> ✓	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NA</u>
_____	Address _____
_____	_____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>David Cowan</u>	(c) Coal Lessee with Declaration
Address <u>1597 Devil Hole Road</u>	Name _____
<u>Harrisville, WV 26362-7543</u>	Address _____
Telephone <u>(304) 389-3509</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 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 PDC Mountaineer, LLC

By: Steven P. Johnson

Its: Designated Agent

Address 120 Genesis Blvd.

Bridgeport, WV

Telephone (304) 842-3597

Subscribed and sworn before me this 19th day of May 2014

Rachel Wyckoff Notary Public

My Commission Expires March 14, 2022

RECEIVED  
Office of Oil and Gas

**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).

10/10/2014

8505058 P

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

**CERTIFIED MAIL™**



9171 9690 0935 0057 2458 33

neopost®  
06/10/2014

**US POSTAGE**

FIRST-CLASS MAIL

**\$06.05**



ZIP 26330  
04112202524

Nobel Rogers #1 P&A Application Notice



PDC MOUNTAINEER

120 Genesis Boulevard  
P.O. Box 26  
Bridgeport, West Virginia 26330

TO:

Heartwood Forestland Fund IV, LP  
3001 Emerson Ave. ✓  
Perkersburg, WV 26104

RECEIVED  
Office of Oil and Gas  
MAY 8 2014  
WV Department of  
Environmental Protection

10/10/2014

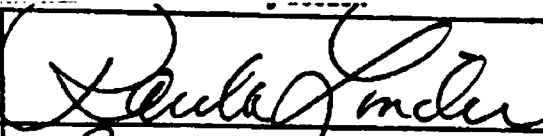


Date: June 11, 2014

Scott Raines:

The following is in response to your June 11, 2014 request for delivery information on your Certified Mail™ item number 9171969009350057245833. The delivery record shows that this item was delivered on June 11, 2014 at 9:11 am in PARKERSBURG, WV 26104. The scanned image of the recipient information is provided below.

Signature of Recipient :

ature	
sted ne	Paula Lister

Address of Recipient :

very rees	3001 Emerson
--------------	--------------

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,  
United States Postal Service

RECEIVED  
Office of Oil and Gas

JUN 18 2014

WV Department of  
Environmental Protection

10/10/2014

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 PDC Mountaineer, LLC OP Code 494494939

Watershed Hughes River Quadrangle Petroleum 7.5'

Elevation 204.2 m (670 ft) County Ritchie District Grant

Description of anticipated Pit Waste: Produced Fluids

Will a synthetic liner be used in the pit? Yes 20 ML

Proposed Disposal Method For Treated Pit Wastes:

- ~~Land Application~~ SPJ
- Underground Injection ( UIC Permit Number #2459 Noble County, Ohio )
- 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 Steven P. Johnson

Company Official (Typed Name) Steven P. Johnson

Company Official Title Designated Agent

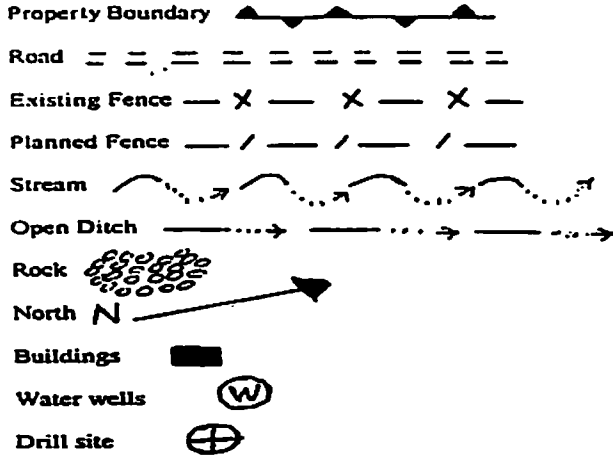
Subscribed and sworn before me this 19th day of May, 2014

Rachel Wyckoff

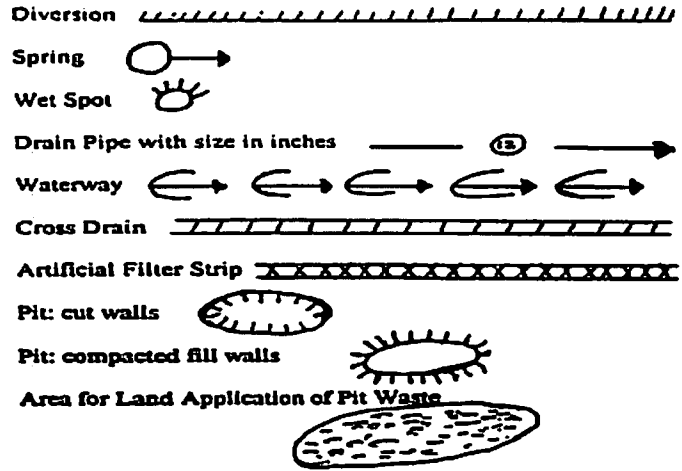


My commission expires March 14, 2022

WV Department of Environmental Protection



**LEGEND**



Proposed Revegetation Treatment: Acres Disturbed 1.25 acres +/- Prevegetation pH TBD

Lime TBD Tons/acre or to correct to pH 6.5

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

Mulch hay or straw Tons/acre

**Seed Mixtures**

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Kentucky Bluegrass	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	1		

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Daniel W. Lewis*

Comments: *reclaim site as needed*

RECEIVED  
Office of Oil and Gas

Title: Oil and gas inspector

Date: 5-28-14

JUN 13 2014

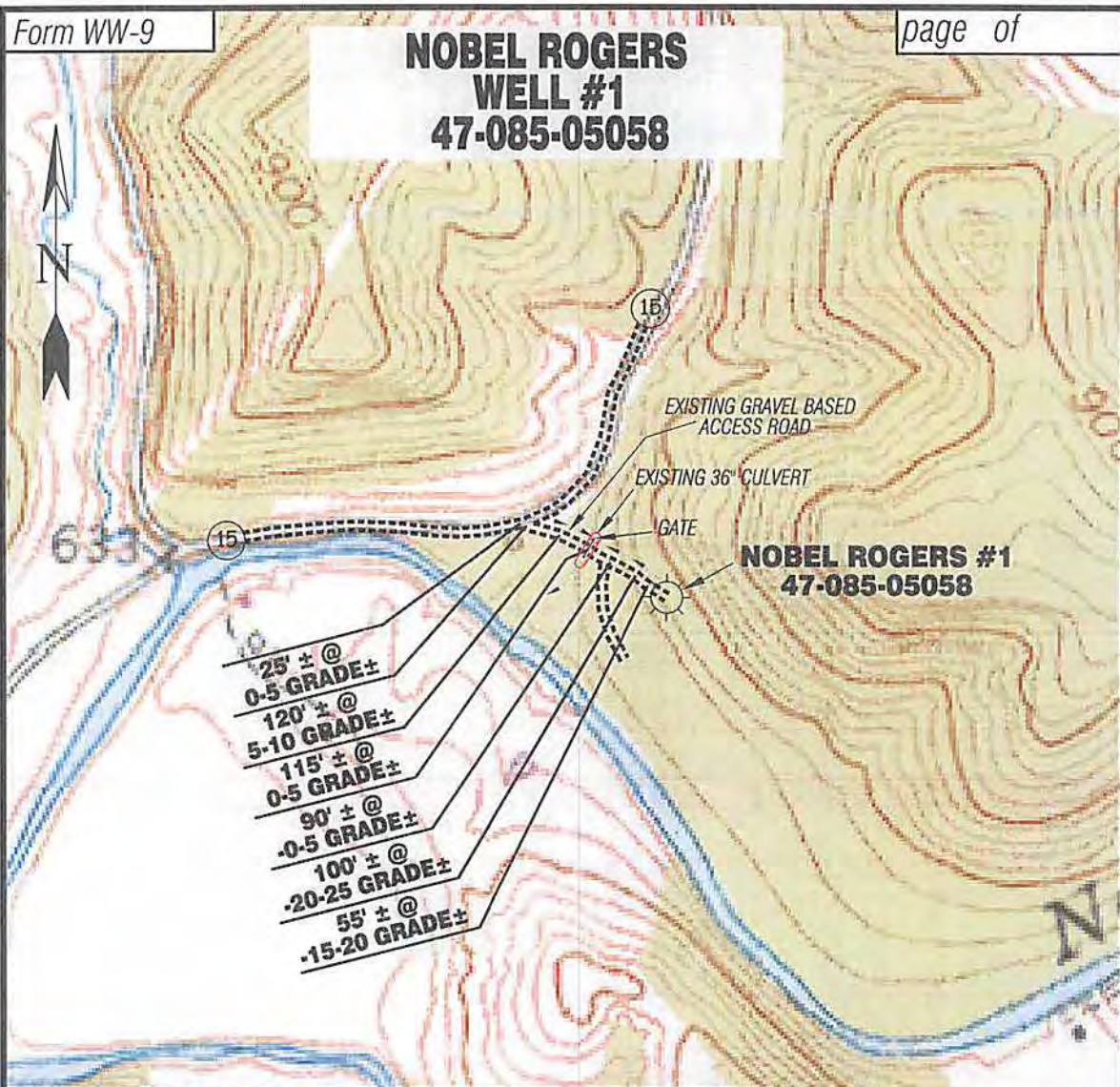
Field Reviewed?  Yes  No

WV Department of  
Environmental Protection



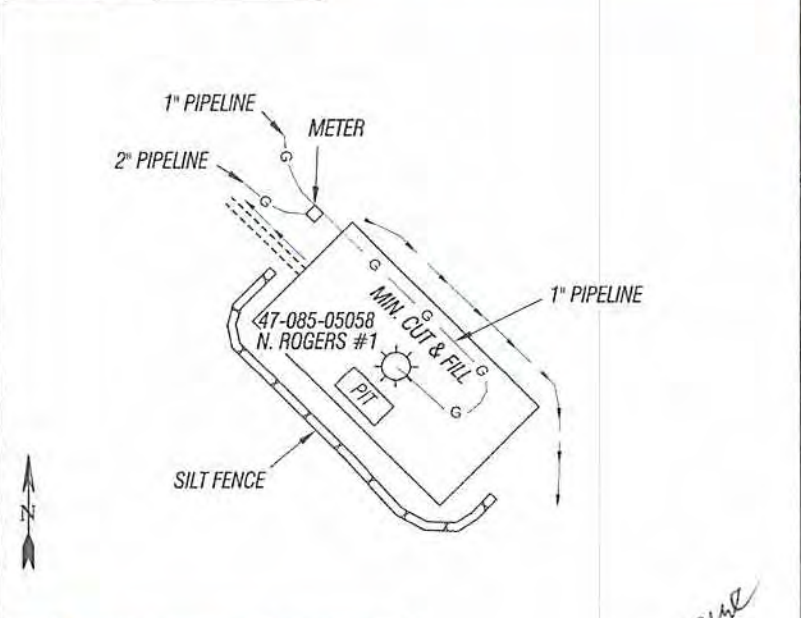
8507058P

# NOBEL ROGERS WELL #1 47-085-05058



- 25' ± @ 0-5 GRADE ±
- 120' ± @ 5-10 GRADE ±
- 115' ± @ 0-5 GRADE ±
- 90' ± @ -0-5 GRADE ±
- 100' ± @ -20-25 GRADE ±
- 55' ± @ -15-20 GRADE ±

Detail Sketch for Nobel Rogers #1



SCALE: 1" = 500'



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER COMPLETION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLICABLE).

RECEIVED  
Office of Oil and Gas  
JUN 19 2014  
WV Department of Environmental Protection

- EXISTING CULVERT  
 - PROPOSED CULVERT  
 - EXISTING STREAM CROSSING  
 - PROPOSED STREAM CROSSING  
 - APPROXIMATE LIMITS OF DISTURBANCE

**Professional Energy Consultants**  
A DIVISION OF BETHLAND SURVEYING, INC.

**SLS**  
SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.

(304) 462-9834 WWW.SLSURVEYS.COM

DRAWN BY K.G.M.	FILE NO. 8211	DATE 04/09/14	CADD FILE: 8211RCOR.dwg
--------------------	------------------	------------------	----------------------------

TOPO SECTION OF PETROLEUM 7.5' USGS TOPO QUADRANGLE

*Due*  
Not To Scale

10/10/2014

8505058P

CK 30/40  
10000

WW-7  
8-30-06



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

API: 47-085-05058 WELL NO.: Nobel Rogers #1

FARM NAME: Rogers Lease

RESPONSIBLE PARTY NAME: PDC Mountaineer LLC.

COUNTY: Ritchie DISTRICT: Grant

QUADRANGLE: Petroleum 7.5' Quad.

SURFACE OWNER: Heartwood Forestland Fund IV Ltd. Partnership

ROYALTY OWNER: Nobel Rogers

UTM GPS NORTHING: 4,331,638.8

UTM GPS EASTING: 476,507.9 GPS ELEVATION: 204.2m 670'

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  **RECEIVED**  
Real-Time Differential  **Office of Oil and Gas**

Mapping Grade GPS  : Post Processed Differential   
Real-Time Differential

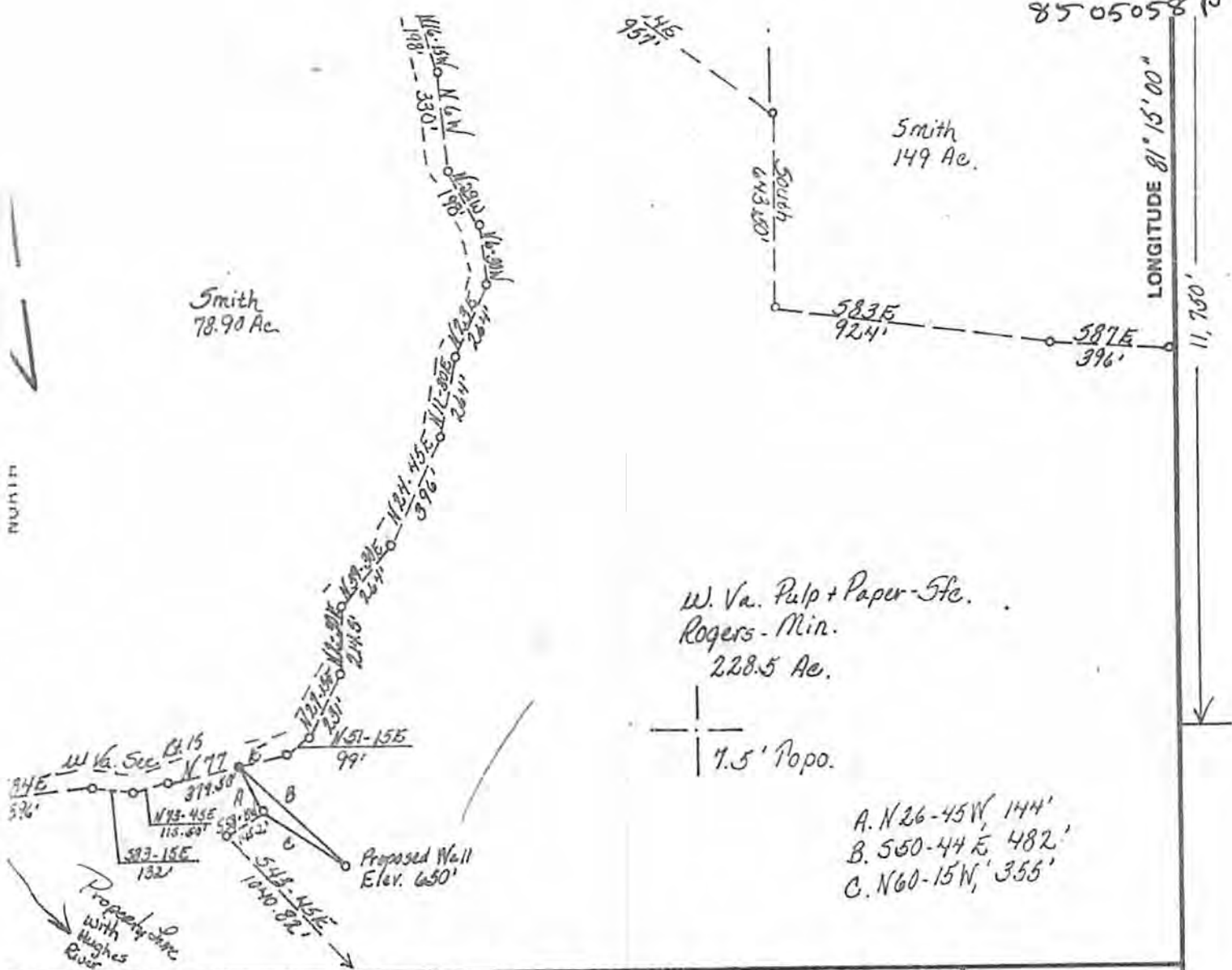
4. **Letter size copy of the topography map showing the well location.**

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: [Signature] Professional Surveyor Title: Professional Surveyor Date: 4/10/14



10/10/2014



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION USA 5 207 W.Va. R. 15, 717, USGS Petroleum Quad.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Heina W. [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 624  
Norton Surveys + Consulting, Inc.

PLACE SEAL HERE

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



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE January 9, 19 81  
 OPERATOR'S WELL NO. Rogers #1  
 API WELL NO. \_\_\_\_\_  
47 - 085 - 5058  
 STATE COUNTY PERMIT

RECEIVED  
 Office of Oil and Gas

JUN 13 2014

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 650' WATER SHED Hughes River  
 DISTRICT Grand COUNTY Ritchie  
 QUADRANGLE Petroleum  
 SURFACE OWNER W. Va. Pulp + Paper ACREAGE 228.5  
 OIL & GAS ROYALTY OWNER Nabal Rogers LEASE ACREAGE 228.5  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW

10/10/2014