



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

February 23, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4700749, issued to ENERGY DEVELOPMENT CORPORATION, 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: 8
Farm Name: RUSSNAK, STEVE & ETHEL
API Well Number: 47-4700749
Permit Type: Plugging
Date Issued: 02/23/2015

Promoting a healthy environment.

02/27/2015

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.

4700749F

WR-35

API# 47-047-00749F

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Russnak, Steve & Ethel Operator Well No. EDC #8
Location: Elevation: 2177' Quadrangle: Bradshaw 7.5
District: Sandy River County: McDowell
Latitude: 1,150 Feet South of 37 Degrees 22 Minutes 30 Seconds
Longitude: 4,850 Feet West of 81 Degrees 45 Minutes 0 Seconds

Company: Energy Development Corp.
534 Virginia Avenue
Bluefield Va. 24605

Agent: Sandra Belcher
Inspector: Barry Stollings
Permit Issued: 6/19/2002
Well work Commenced: 8/13/2002
Well work Completed: 1/30/2003
Verbal Plugging Permission granted on: NA
Rotary Cable Tool Rig
Total Depth (ft): LTD- 4967' DTD- 4967'
Fresh Water Depths (ft): 104'
Salt Water Depths (ft): none

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16	34'	34'	
8 5/8	1888'	1888'	450 sks
4 1/2		4933'	100 sks
			141 sks

Is coal being mined in area: No
Coal Depths: 124-126', 328-330', 1175-1179', 1380-1383', 1605-1607

OPEN FLOW DATA:

Producing formation(s): NA Pay zone depth (ft) See back
Gas: Initial open flow 0 MCF/D Oil: Initial open flow 0 Bbl/d
Final open flow 0 MCF/D Final open flow 0 Bbl/d
Time of open flow between initial and final tests: 0 Hours
Static rock pressure 0 psig (surface pressure) after 0 Hours

Second producing formation(s): NA Pay zone depth (ft) See back
Gas: Initial open flow MCF/D Oil: Initial open flow Bbl/d
Final open flow MCF/D Final open flow Bbl/d
Time of open flow between initial and final tests: Hours
Static rock pressure psig (surface pressure) after Hours

NOTE: ON THE BACK OF THIS FORM PUT THE FOLLOWING; 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2.)THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

FOR: Energy Development Corporation
BY: [Signature] W. D. Evans
DATE: July 11, 2007

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8-13-2002

MIRU Fisher Well Surveys, set Bridge Plug at 2840'. Shot 4 squeeze holes from 2810-2811'.
MIRU BJ Services, attempt to circulate prior to squeeze cement job. Could not establish circulation.
SD, Rig down Fisher & BJ, move off location.

8-16-2002

Fill backside with water, MIRU BJ Services. Attempt to circulate prior to squeeze cement job. Could not establish circulation. SD, Rig down BJ, move off location.

1-22-2003

MIRU Schlumberger Well Services to squeeze 4 1/2" casing. Established circulation, pumped 141 sks Class A cement thru 4 squeeze holes at 2810'. Followed plug downhole with wireline to 2720'. SD, Rig down Schlumberger, move off location.

1-30-2003

MIRU Key Energy Surveys, ran bond log from 2596' up to 1782'. TOC at 2120'. Rig down Key, move off location. Waiting on swab rig/service rig.

See completion report filed on November 1, 1978 for additional information on formations, and original completion.

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HLK



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Falcon Drilling
Rig #2

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

Quadrangle Bradshaw
Permit No. McD - 749

Company <u>Energy Development Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 165, Bluefield, Va. 24605</u>	Size <u>10-16</u>			
Farm <u>J.N. Harman III</u> Acres <u>83</u>	Cond. <u>34'</u>	<u>34'</u>		<u>7</u> sks. Crew
Location (waters) <u>Atwell Br.</u>	13-10"			
Well No. <u>8</u> Elev <u>2185 EKB</u>	9 5/8			
District <u>Big Creek</u> County <u>McDowell</u>	8 5/8	<u>1888'</u>	<u>1888'</u>	<u>450</u> sks. Dow.
The surface of tract is owned in fee by _____	7			
<u>Steve & Ethel Russnak</u>	5 1/2			
Address <u>Newark, Delaware</u>	4 1/2	<u>-</u>	<u>4933</u>	<u>100</u> sks. Dow.
Mineral rights are owned by <u>J.N. Harman III</u>	3			
Address <u>Welch, W. Va.</u>	2			
Drilling Commenced <u>7-22-78</u>	Liners Used			
Drilling Completed <u>8-3-78</u>				
Initial open flow <u>21 M</u> cu. ft. _____ bbls.				
Final production <u>169M</u> cu. ft. per day _____ bbls.				
Well open _____ hrs. before test. <u>850#</u> RP.				

Well treatment details:

Attach copy of cementing record.

Frac with 500 gal. HCl and

Coal was encountered at 124-126, 328-330 Feet 1175-1179, 1380-1383, 1605-1607 Inches
Fresh water 104' Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth 4832 - 4848 17 holes

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sub Base			0	10		
Sandy Shale			10	15		
Sand			15	67		
Sand & Shale			67	96		
Sand			96	124		1/2' wat. 104'
Coal			124	126		
Sand			126	328		
Coal			328	330		
Sand & Shale			330	339		
Sand			339	410		
Sand & Shale			410	440		
Sand			440	454		
Sand & Shale			454	1160		
Sand			1160	1175		
Coal			1175	1179		
Sand			1179	1288		
Sand & Shale			1288	1380		
Coal			1380	1383		
Sand & Shale			1383	1605		
Coal			1605	1607		
Sand & Shale			1607	1904		
Sand			1904	1988		
Sand & Shale			1988	2360		
Sand			2360	2380		

(over)

* Indicates Electric Log tops in the remarks section.

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Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			2380	2394		
Sand			2394	2484		
Shale & Sand			2484	2528		
Lime			2528	2582		
Shale			2582	2634		
Sand - Shaley			2634	2702		
Shale & Sand			2702	2860		
Sand & Shale			2860	3108		
Sand			3108	3168		
Sand & Shale			3168	3394		
Shale			3394	3494		
Little Lime			3494	3544		
Shale			3544	3600		
Big Lime			3600	4165	Gas chk 4700	No show
Shale & Sand			4165	4224		
Sand & Shale, Weir			4224	4362		
Sand & Shale			4362	4493		
Shale			4493	4776		
Coffee Shale			4776	4794		
Berea			4794	4870		
Shale			4870	4936		
Sand, Shaley			4936	4950		
Shale			4950			
TOTAL DEPTH				4967		

Initial open flow 21 Mcf per day

Logged by Birdwell

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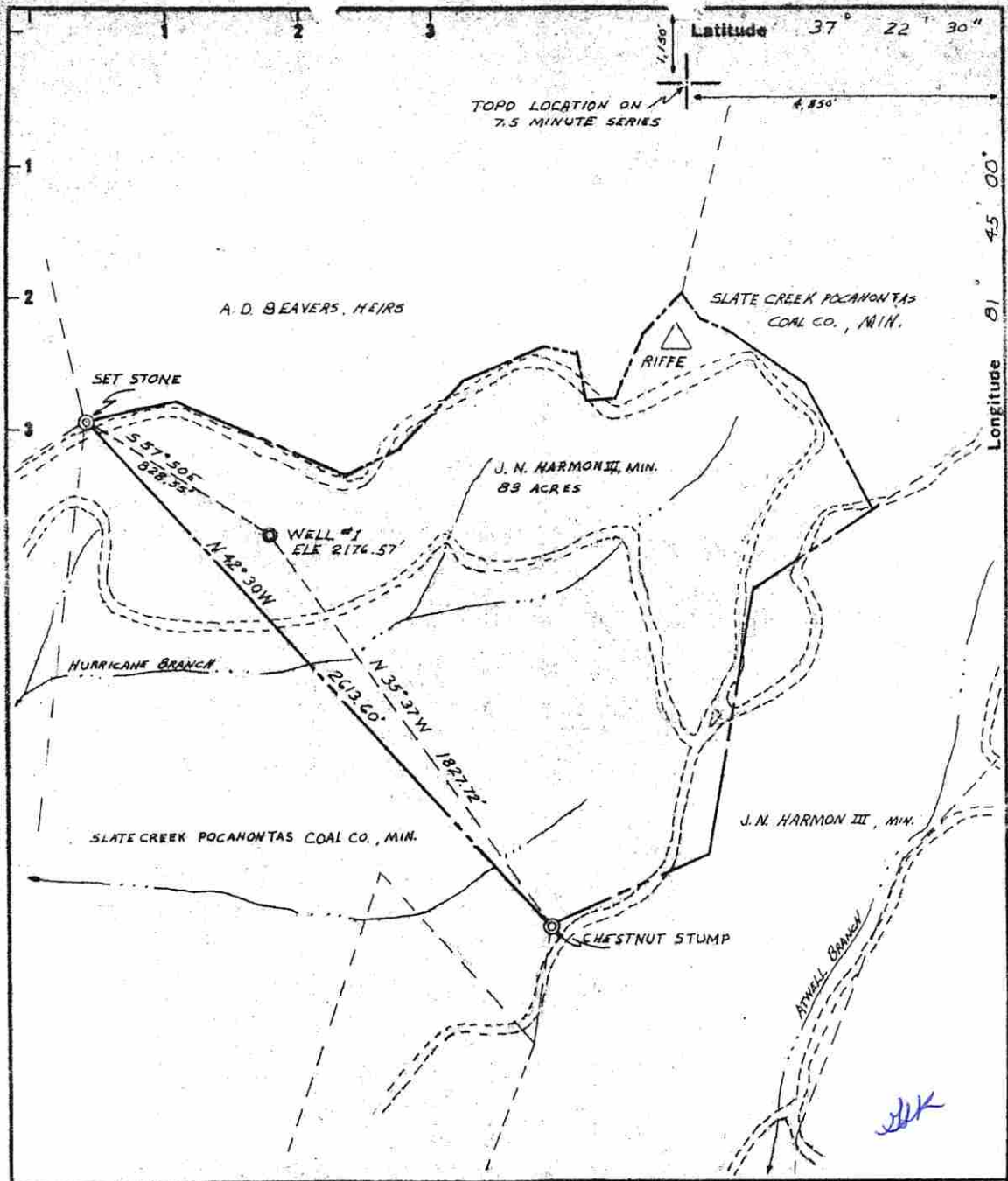
Date November 1, 1978 19__

APPROVED Energy Development Corporation Owner

By D. Gene Hanning, Corp
(Title)

02/27/2015

4700
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New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1" IN 5000'
 Source of Elevation RIFFE TRIANGULATION STATION - U.S.G.S. - TOP OF MTH - NEAR MT. GARDEL CHURCH - ELE. 2227'
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company ENERGY DEVELOPMENT CORP.
 Address P.O. BOX 165 - BLUEFIELD, VA.
 Farm J. N. HARMON III
 Tract 1 Acres 83 Lease No. _____
 Well (Farm) No. 8 Serial No. _____
 Elevation (Spirit Level) 2176.57'
 Quadrangle BRADSHAW
 County MCDOWELL District SANDY RIVER
 SURVEYOR David C. Jackson
 SURVEYOR'S Registration No. 344
 File No. _____ Drawing No. _____
 Date DEC 23 1977 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. MCD 749

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

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

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1977

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NL McCullough

BOND CEMENT AND/OR SONIC SEISMOGRAM LOG
GAMMA RAY LOG

FILING NO.

HBC-GR-93844

COMPANY ENERGY DEVELOPMENT CORPORATION

WELL HARMAN III #8

FIELD

COUNTY MCDOWELL STATE TEXAS

LOCATION

OTHER SERVICES:

SEC. TWP. RGE.

ELEVATIONS:
KB
DF
GL

PERMANENT DATUM GL ELEV. 9' ABOVE GL

LOG MEASURED FROM

DRILLING MEASURED FROM KB

DATE 9-28-78

RUN NO. ONE

TYPE LOG BOND CEMENT-SONIC SEISMOGRAM

DEPTH-DRILLER 4882'

DEPTH-LOGGER 4878'

BOTTOM LOGGED INTERVAL 4300'

TOP LOGGED INTERVAL 4300'

TYPE FLUID IN HOLE WATER

SALINITY PPM CL.

DENSITY LB./GAL.

LEVEL

MAX. REC. TEMP. DEG. F.

OPR. RIG TIME

RECORDED BY ENDICOTT

WITNESSED BY MR. HANEY

RUN NO.	BORE HOLE RECORD				CASING RECORD			
	BIT	FROM	TO	SIZE	WGT.	FROM	TO	
1				4-1/2"		0	TD	

FOLD HERE THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-33 (P)

LOGGING AND EQUIPMENT DATA (BOND CEMENT LOG)

DATE RECORDED	9-28-78	TOOL MODEL NO.	5547-0-0
TIME STARTED		DIAMETER	3.5" x 1.75"
TIME FINISHED		LENGTH	17' (4' SPACING)
LOGGED INTERVAL	4878' - 4300'		
LOGGED CEMENT TOP			

CEMENTING DATA

	1	2	SQUEEZE NO. 1	SQUEEZE NO. 2	SQUEEZE NO. 3
DATE AND HOUR SET					
SETTING TIME (HRS.)					
TYPE CEMENT					
SACKS USED					
PRECEDING FLUID					
% ADDITIVE					
% RETARDER					
SLURRY WEIGHT					
BREAKDOWN PRESSURE					
SURFACE MAX. PRESS.					
BOTTOM MAX. PRESS.					

GAMMA RAY

NEUTRON

GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	
TOOL MODEL NO.	5547-0-0	LOG TYPE	
DIAM.	3.5"	TOOL MODEL NO.	
DETECT. MODEL NO.	5549-25	DIAM.	
TYPE	SCINT.	DETECT. MODEL NO.	
LENGTH	3"	TYPE	
DIST. TO N. SOURCE		LENGTH	
		SOURCE MODEL NO.	
		SERIAL NO.	
		SPACING	
		TYPE	
		STRENGTH	

GENERAL

HOIST TRUCK NO.	1480
INST. TRUCK NO.	1480
TOOL SERIAL NO.	
LOG TICKET NO.	22540

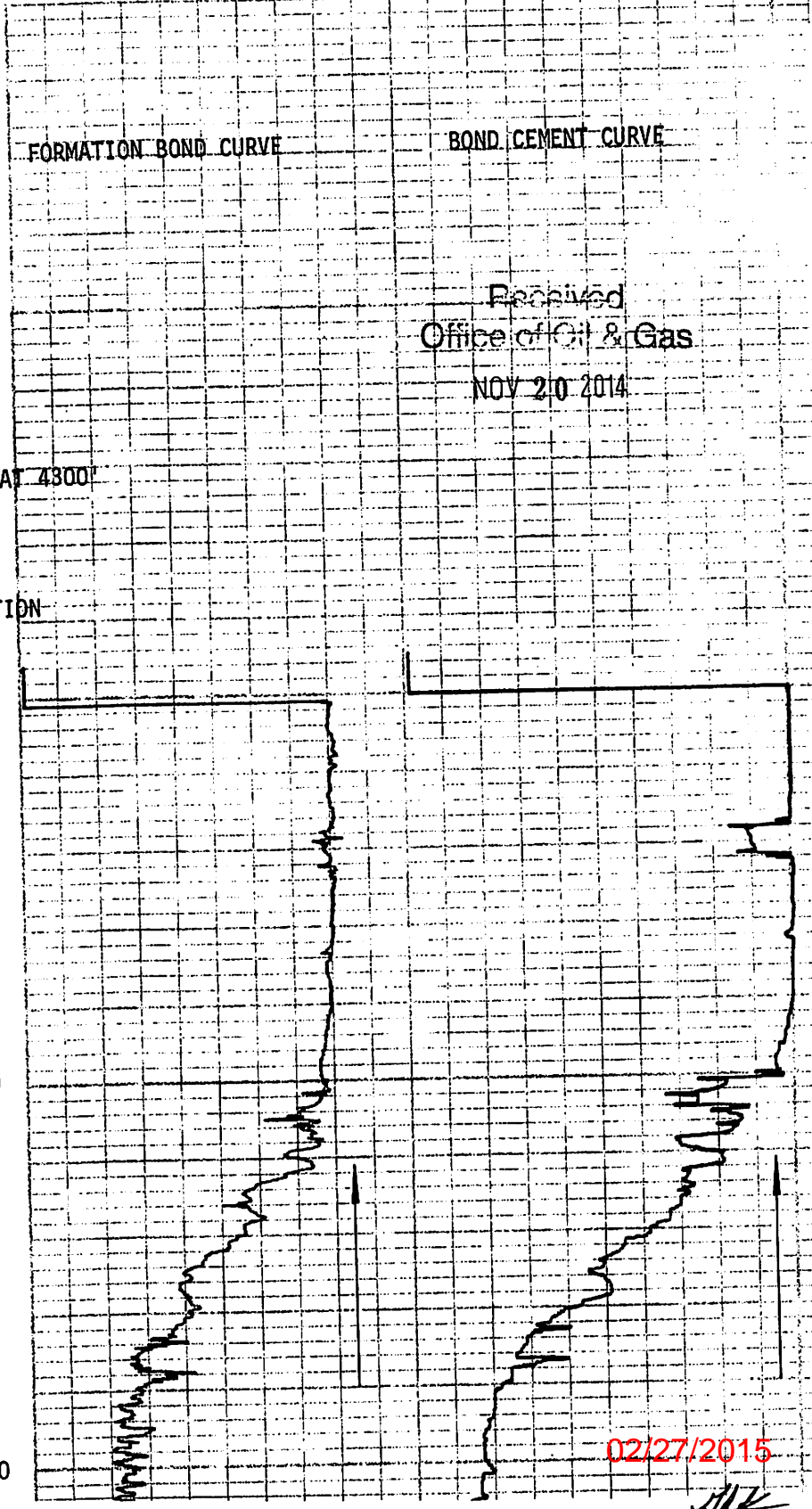
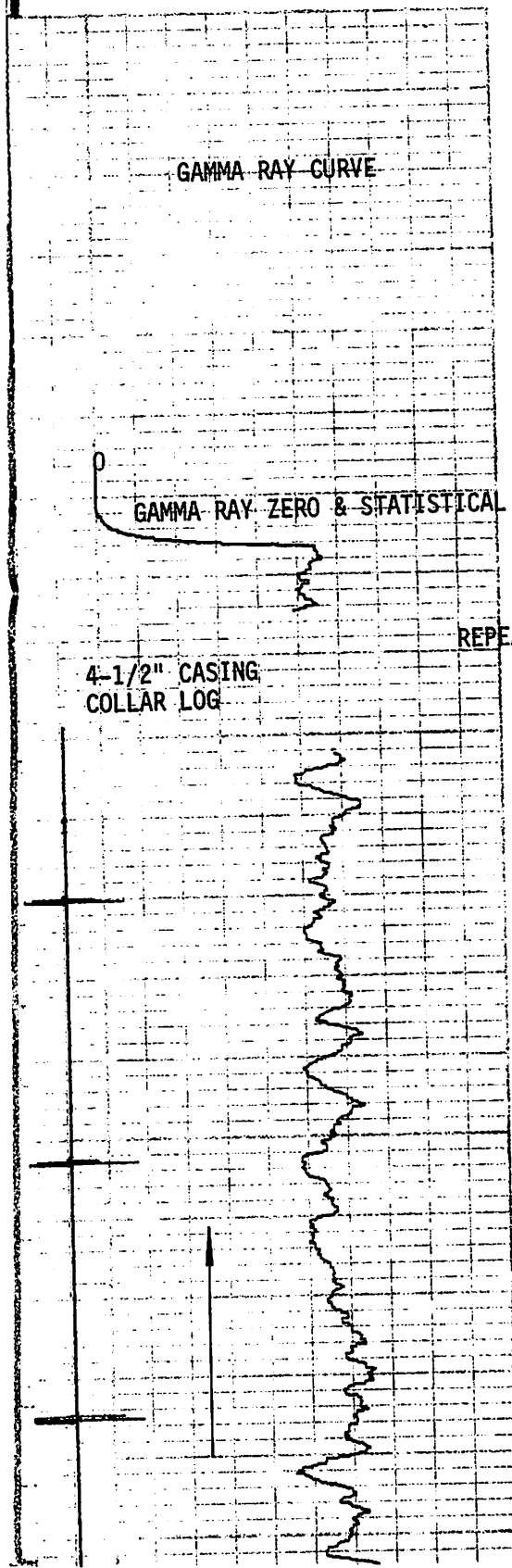
Retained
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02/27/2015

LOGGING DATA

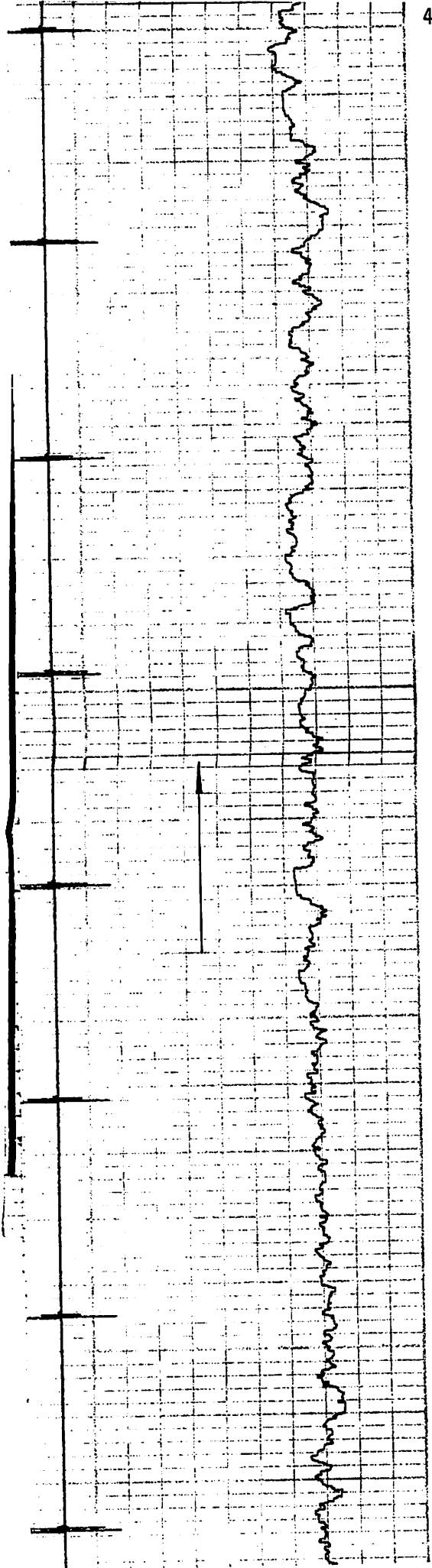
RUN NO.	DEPTH		SPEED FT./MIN.	T. C. SEC.	SENS. SETTINGS	ZERO DIV. L. OR R.	API GR. UNITS PER LOG DIV.	T. C. SEC.	SENS. SETTINGS	ZERO DIV. L. OR R.	API N. UNITS PER LOG DIV.
	FROM	TO									
1	4872.5'	4300'	30	3	G-300 D-300 R-5	0	10.5				4700749P

REMARKS:



02/27/2015

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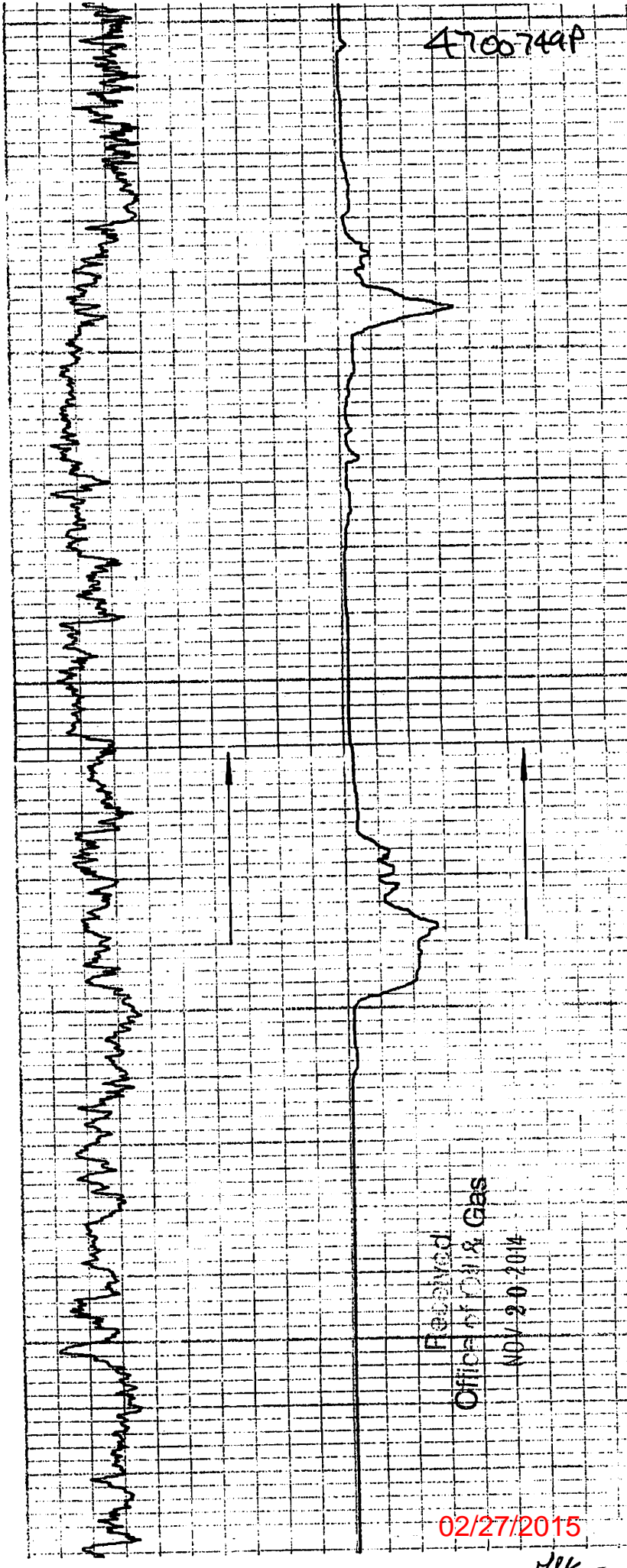
4450

4500

4550

4600

4650



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4700749A

4700

4750

4800

4850

17 HOLES

API UNITS

AMPLITUDE INCREASE

% BOND

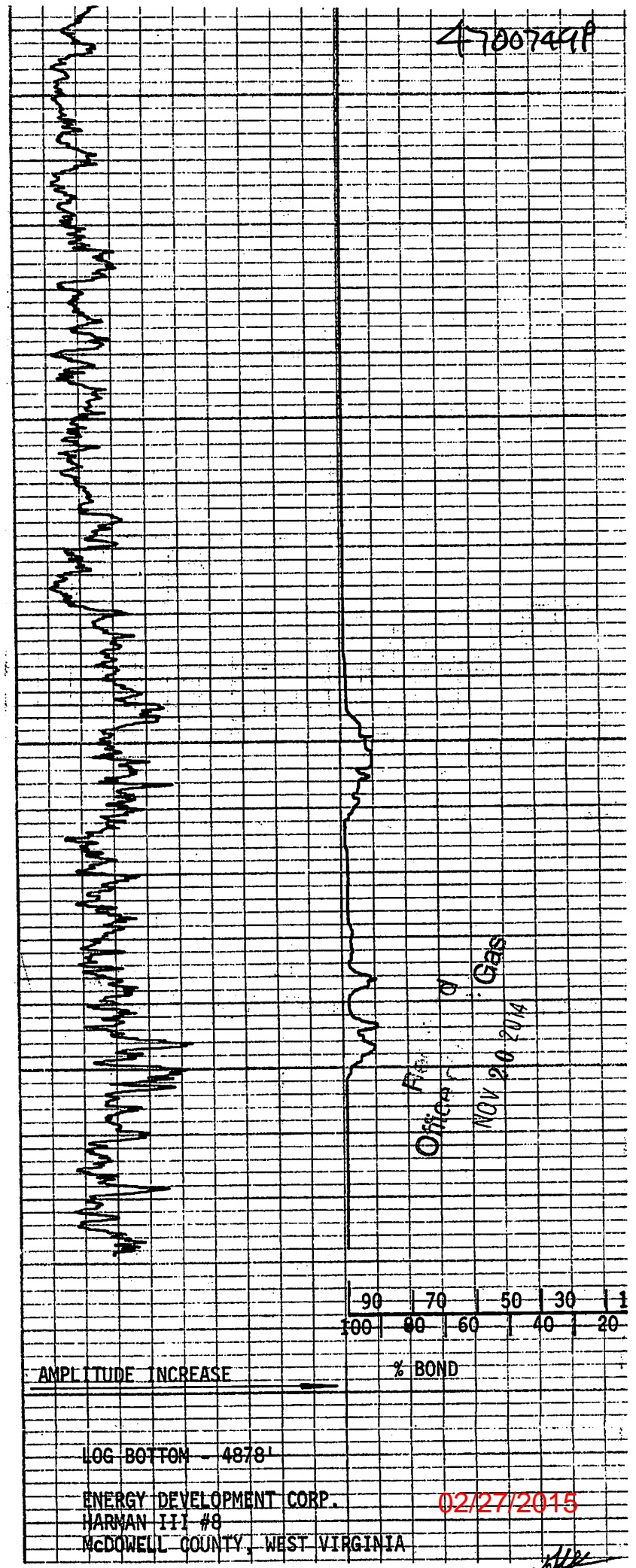
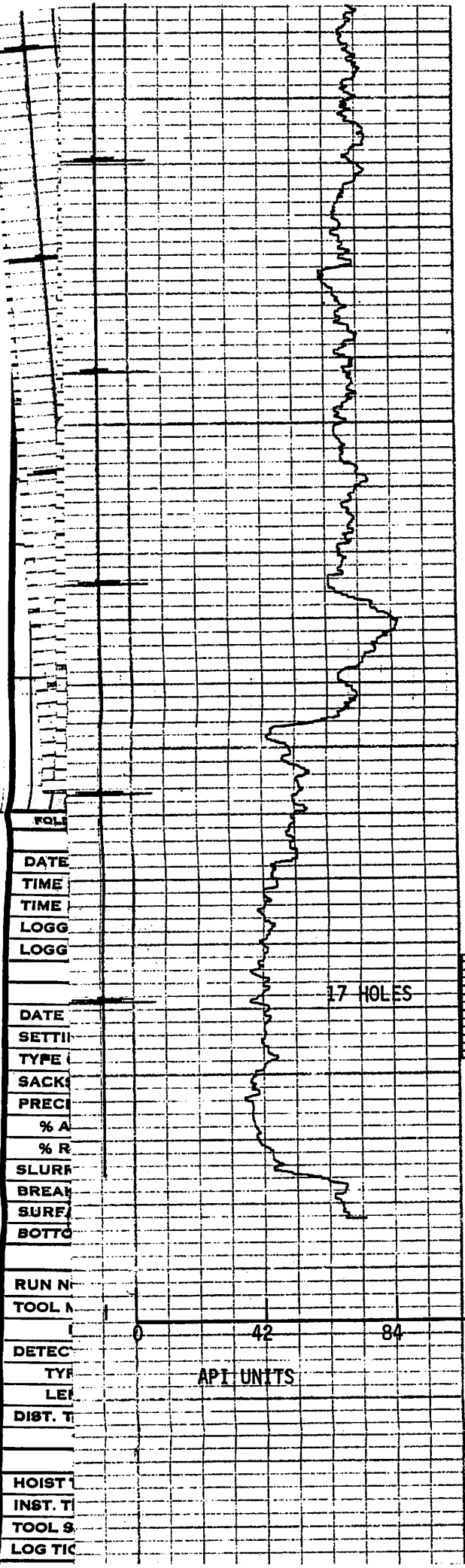
90 70 50 30 10
100 80 60 40 20

LOG BOTTOM - 4878'

ENERGY DEVELOPMENT CORP.
HARMAN III #8
MCDOWELL COUNTY, WEST VIRGINIA

02/27/2015

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FOLS
DATE
TIME
TIME
LOGG
LOGG
DATE
SETTIN
TYPE
SACKS
PRECI
% A
% R
SLURF
BREA
SURF
BOTTO
RUN N
TOOL N
DETEC
TYR
LEI
DIST. T
HOIST
INST. T
TOOL S
LOG TIC

4700749P

WW-4A
Revised 6-07

1) Date: September 24, 2014
2) Operator's Well Number _____
EDC #8 _____

3) API Well No.: 47 - 047 - 0749

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>Sarah E. Price</u> ✓	Name _____
Address <u>1266 Atwell Branch Road</u>	Address _____
<u>Raysal, WV 24879</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 268</u>	Name _____
<u>Nimitz, WV 25978</u>	Address _____
Telephone <u>304-382-8402</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	<u>Energy Development Corporation</u>	<u>Received</u> <u>Office of Oil & Gas</u> <u>NOV 20 2014</u>
By:	<u>[Signature]</u>	
Its:	<u>President</u>	
Address	<u>P.O. Box 1049</u> <u>Bluefield, VA 24605</u>	
Telephone	<u>276-322-5437</u>	

Subscribed and sworn before me this 24th day of September, 2014
Sandra K. Belcher Notary Public
 My Commission Expires Dec. 31, 2015 Notary # 249599

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.

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SURFACE OWNER WAIVER

Operator's Well
Number

EDC #8

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

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Office of Oil & Gas

NOV 20 2014

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,

Sarah Price
Signature

Date 10-27-14

Name EDC Operating Company

By W. D. Evans
Its President

Signature [Signature] Date 10-27-14
Date 02/27/2015
Date 10-27-14

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 Energy Development Corporation OP Code 15800

Watershed Atwell Branch Quadrangle Bradshaw

Elevation 2177' County McDowell District Sandy River

Description of anticipated Pit Waste: No Waste Anticipated

Will a synthetic liner be used in the pit? _____
ANY WELL EFFLUENT MUST BE DISPOSED OF PROPERLY. gnr

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 Tank will be on location to collect fluid)

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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 [Signature]

Company Official (Typed Name) W. D. Evans

Company Official Title President



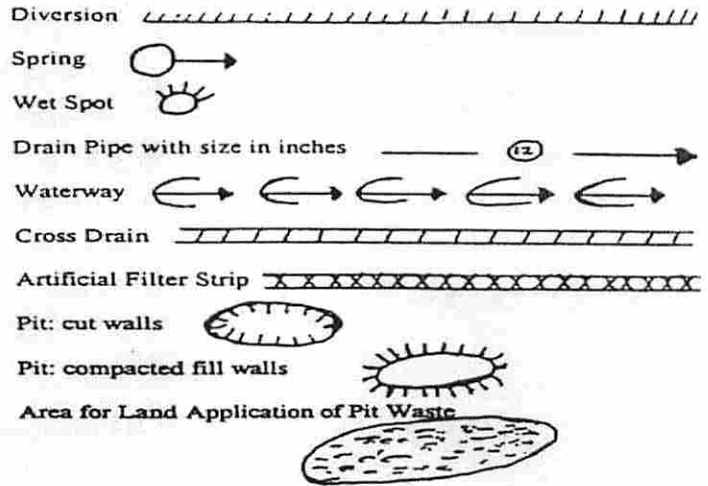
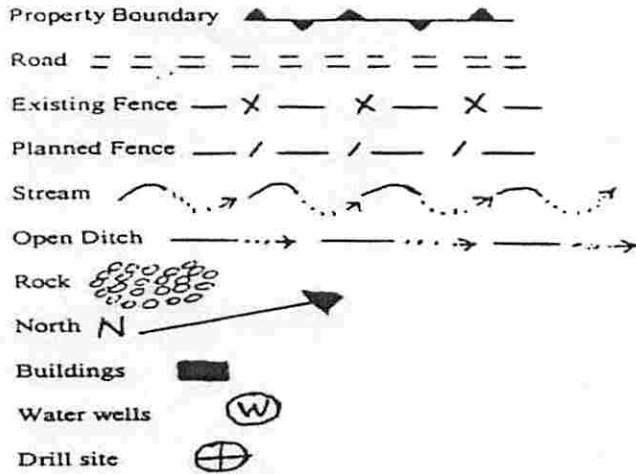
Subscribed and sworn before me this 24th day of September, 2014

Sandra K. Belcher Notary Public

My commission expires Dec. 31, 2015 Notary # 249599

Operator's Well No. _____

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1 Acre Prevegetation pH _____
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 1/3 ton lbs/acre (500 lbs minimum)
 Mulch Hay 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY-31		40			
Alsike Clover		5			
Annual Rye		15			

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Greg Kennedy*

Comments: _____

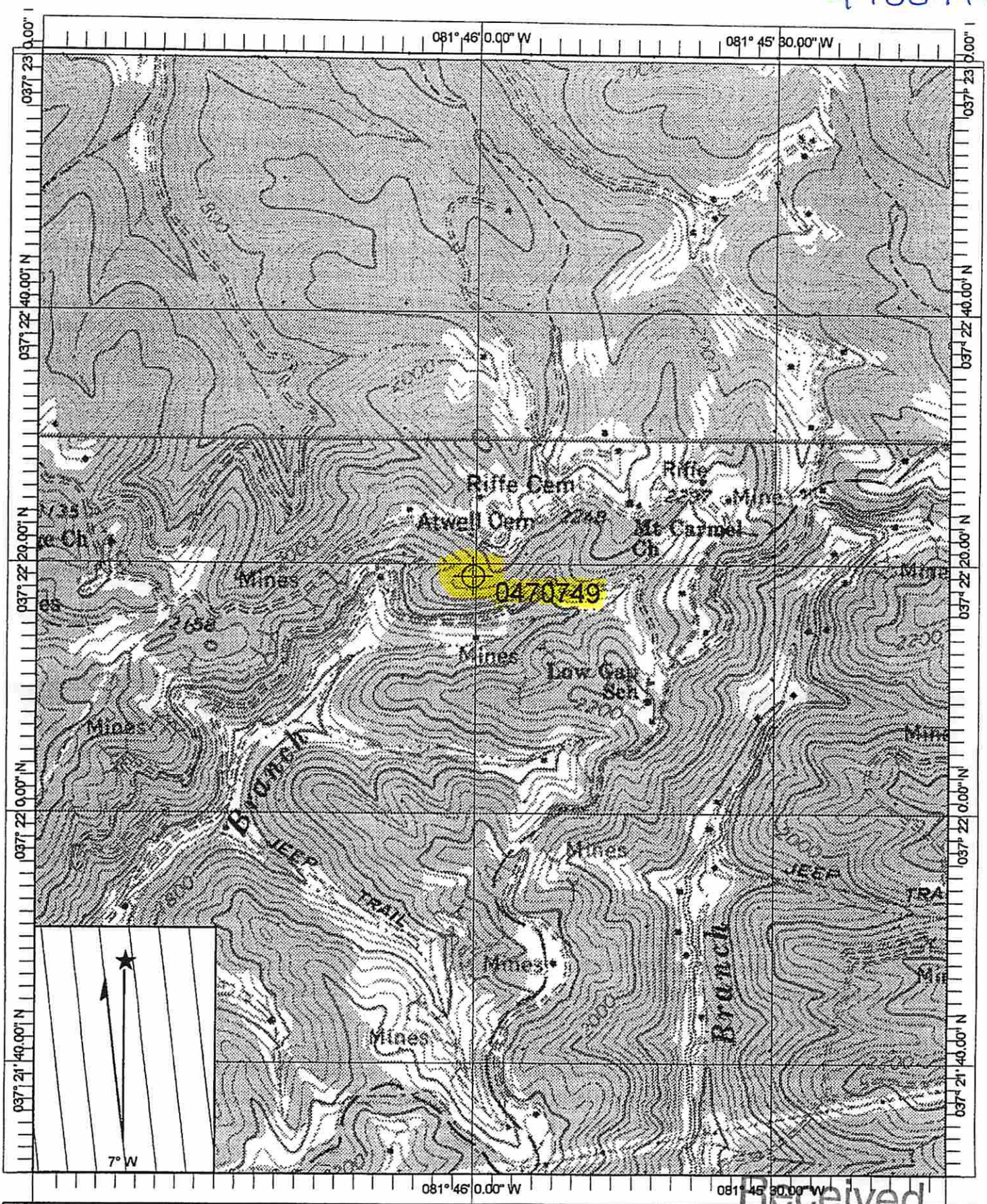
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NOV 20 2014

Title: *Inspector* Date: *11/7/14*

Field Reviewed? () Yes () No

4700749A



<p>Name: BRADSHAW Date: 12/31/2014 Scale: 1 inch equals 1000 feet</p>	<p>Location: 037° 22' 15.7" N 081° 45' 58.4" W</p>	<p>JAN - 6 2015</p>
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Office of Oil and Gas
WV Dept. of Environmental Protection 02/27/2015

WW-7
8-30-06



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

API: 47-047-0749 WELL NO.: #8

FARM NAME: Sarah E. Price

RESPONSIBLE PARTY NAME: Energy Development Corporation

COUNTY: McDowell DISTRICT: Sandy River

QUADRANGLE: Bradshaw

SURFACE OWNER: Sarah E. Price

ROYALTY OWNER: Leta Dotson Harman

UTM GPS NORTHING: 4136410.35

UTM GPS EASTING: 432118.18 GPS ELEVATION: 2176.6'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:
Survey grade GPS ____: Post Processed Differential ____
Real-Time Differential ____
Mapping Grade GPS X: Post Processed Differential X
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.

W. E. Evans President 12/31/14
Signature Title Date

Received
JAN -7 2015
Office of Oil and Gas
WV Dept. of Environmental Protection



EDC OPERATING COMPANY

November 5, 2014

Gary Kennedy
P. O. Box 268
Nimitz, WV 25978

RE: Plugging Permit for EDC Well #8, API #47-047-0749

Dear Mr. Kennedy:

Enclosed please find completed plugging permit for the above-referenced.

Bill Evans hand carried the Surface Owner Waiver to Sarah Price, therefore the information wasn't mailed.

We are waiting for the Surface Owner Waiver from the President of Hall Mining for EDC Well #151 and Well #153. I will mail the permits when we receive the signed waiver.

If you should have any questions, please contact me.

Thank you for cooperation in this matter.

Sincerely,

A handwritten signature in cursive script that reads 'Sandra Belcher'.

Sandra Belcher
Administrative Assistant

Enclosure

/skb

Received
Office of Oil & Gas

NOV 20 2014

EDC OPERATING COMPANY
Well Interest Listing
For Royalty Owners

Selection Criteria: Well ID: 0008 - 0008 in All Groups
Sort Order: Well ID

Well ID	Well Name	Gas Interest	Other Interest	Working Interest	Trans	D O I D F I F T T P R H Status Program	Class 1	Class 2	Class 3	Class 4	Class 5	Before Casing Point	After Casing Point	Misc Rev 1	Misc Rev 2	After Payout	
0008	J. N. Harman #1																
L0049	Leta Dotson Harman	14.0625000	0.0000000	0	M R B N N N A	2811 Taylor Drive	14.0625000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
		14.0625000	0.0000000	0			14.0625000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Wooster, OH 44691
234-40-9510
330-345-9888

Office of Oil and Gas
NOV 20 2014

02/27/2015

47007491

Legend: Owner Types R = Royalty Owner
O = Override Royalty
W = Working Interest

Disbursement Frequency M = Monthly Q = Quarterly S = Semi-Annually A = Annually ** = Joint Interest Bill t = Owner on Hold

Int Types O = Oil
G = Gas
B = Both Oil and Gas

Direct Pay O = Oil
G = Gas
B = Both

Flat Royalty Y = Yes
N = No