

SEE ATTACHMENT "A"

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION PD INT 224

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) Burl Smith
 R.P.E. 6988 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE FEBRUARY 27, 1985
 OPERATOR'S WELL NO. HEDRICK UNIT #2
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 STATE 47 COUNTY 083 PERMIT 1032-P

LOCATION: ELEVATION 2510 WATERSHED DRY FORK
 DISTRICT DRY FORK COUNTY RANDOLPH
 QUADRANGLE HARMAN

SURFACE OWNER WARREN HEDRICK & ERMA LEE HEDRICK ACREAGE 36.75
 OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 586.93

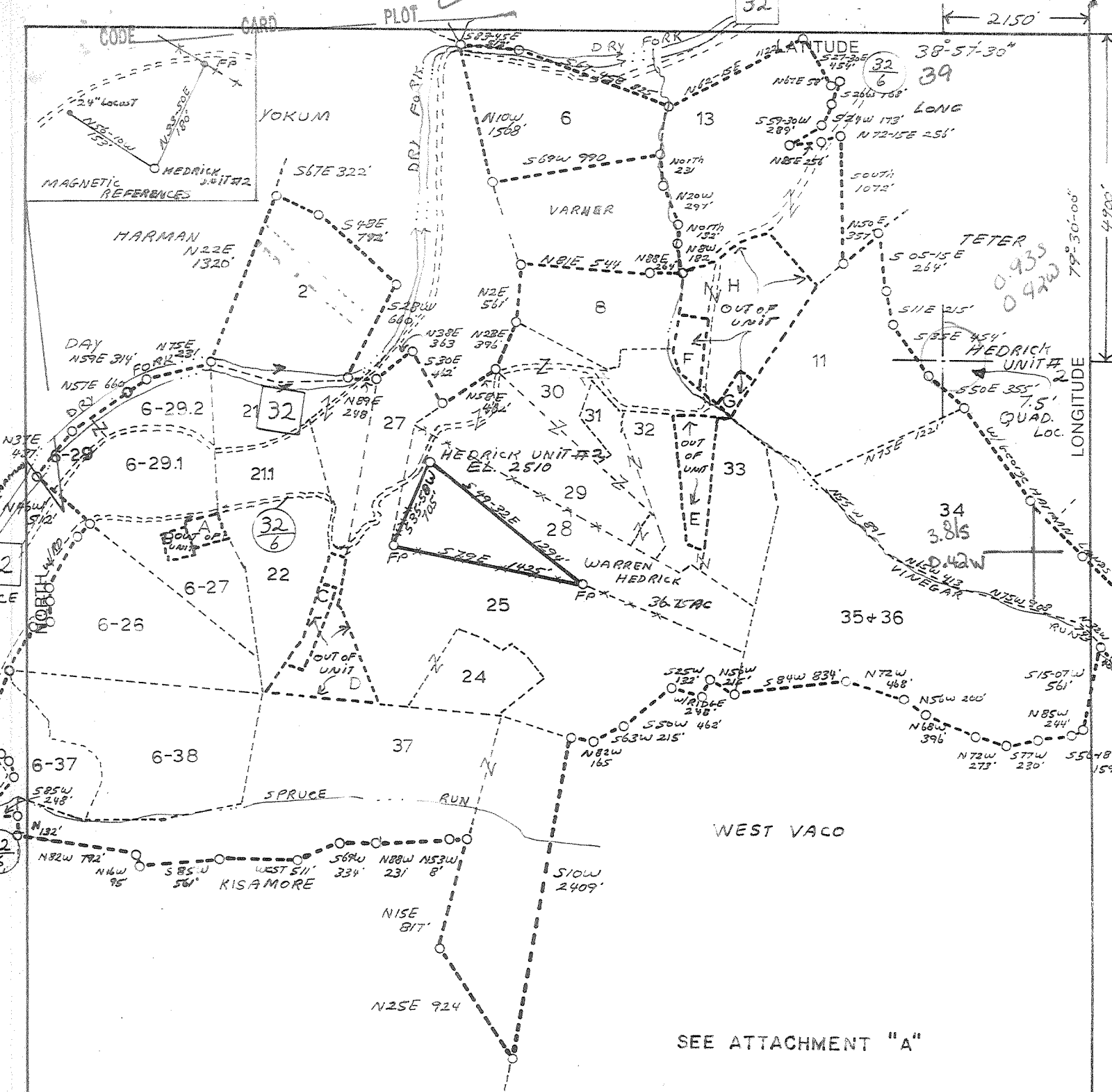
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 8700
 WELL OPERATOR BEREA OIL & GAS CORP DESIGNATED AGENT MARK SCUMACHER
 ADDRESS 900 CHEMICAL BANK BLDG. 69 DELAWARE AVE ADDRESS PO BOX 1122
BUFFALO NY 14202 BRIDEEPORTE WV 26320

FORM IV-6 (8-78)
 H.T. HALL

RAND
 COUNTY NAME
 1032
 PERMIT

SEP 21 1992



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STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE FEBRUARY 27, 1985
 OPERATOR'S WELL NO. HEDRICK UNIT #2
 API WELL NO.

47 - 083 - 1032
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 2510 WATER SHED DRY FORK
 DISTRICT DRY FORK 2 COUNTY RANDOLPH 083
 QUADRANGLE HARMAN 391 Horton 15' NE3 060
 SURFACE OWNER WARREN HEDRICK + ERMA LEE HEDRICK ACREAGE 36.75
 OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 586.93

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY 081 ESTIMATED DEPTH 8700
 WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 900 CHEMICAL BANK BLDG. 69 DELAWARE AVE ADDRESS ONE BEREA PLAZA
BUFFALO, NY 14202 BRIDGEPORT, WV 26330

6-6 Dry Fork (374)

deep well

FORM IV-6 (8-78)

COUNTY NAME PERMIT

CONFIDENTIAL



IV-35 (Rev 8-81)

Date July 25, 1985
Operator's Well No. Hedrick Unit #2
Farm Warren & Emma Lee Hedrick
API No. 47 - 083 - 1032

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / GasXX / Liquid Injection / Waste Disposal /
(If "Gas," ProductionXX / Underground Storage / DeepX / Shallow /)

LOCATION: Elevation: 2510' Watershed Dry Fork
District: Dry Fork County Randolph Quadrangle Harman

COMPANY Berea Oil & Gas Corp.
ADDRESS P.O. Box 299, Bridgeport, WV 26330
DESIGNATED AGENT Thomas E. Riley, P.E.
ADDRESS P.O. Box 299, Bridgeport, WV 26330
SURFACE OWNER Warren & Emma Lee Hedrick
ADDRESS P. O. Box 37, Harman, WV 26220
MINERAL RIGHTS OWNER Unitized - See Plat
ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Phillip Tracey
ADDRESS P.O. Box 2536, Elkins, WV 26241

PERMIT ISSUED 4/4/85
DRILLING COMMENCED 6/3/85
DRILLING COMPLETED 6/23/85

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 13 3/8", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2 3/8" and a Liners used row.

GEOLOGICAL TARGET FORMATION Oriskany Depth 8700 feet
Depth of completed well 7865 feet Rotary X / Cable Tools
Water strata depth: Fresh 2600' feet; Salt
Coal seam depths: 190' - 191' Is coal being mined in the area? No

OPEN FLOW DATA See Well Treatment Details
Producing formation Oriskany Pay zone depth feet
Gas: Initial open flow 900 Mcf/d Oil: Initial open flow None Bbl/d
TEST DATE: 7/19/85 Final open flow 1100 Mcf/d Final open flow None Bbl/d
Time of open flow between initial and final tests 72 hours

Static rock pressure 1250 psig (surface measurement) after 4 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours SEP 8 1986
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

La. 4052

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

6/27/85 Perf Oriskany:
7710' - 7718' (14 holes)

6/28/85 Frac Oriskany:
Formation broke @ 2800#, used 1000 gal 15% HCL acid, avg. pump rate 5 BPM @ 3550#. ISIP 2700#, 5 min 1800#

7/10/85 Frac Oriskany:
Used 500 gal 15% HCL acid. ISIP 2950# after 5 min. 2810#. Avg rate 30 BPM @ 4750#, used 45,000# 20/40 sand.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
			Including indication of all fresh and salt water, coal, oil and gas
FROM DRILLERS LOG:			
Top soil and shale	0	41	
Sand	41	175	Hole damp @ 85'
Sand & Shale	175	180	1/4" stream water @ 125'
Shale	180	183	
Sand	183	190	
Coal	190	191	
Sand	191	385	
Red Rock	385	391	
Sand	391	400	
Red Rock & Shale	400	425	
Sand	425	468	
Sand & Shale	468	557	
Red Rock & Shale	557	590	
Sand & Shale	590	645	
Red Rock & Shale	645	771	
Shale	771	774	
Sand	774	1376	
Red Rock & Shale	1376	1386	
Sand	1386	1555	
Sand & Shale	1555	1675	
Sand	1675	1826	
Sand & Shale	1826	2010	
Sand	2010	2440	Gas Check @ 2140' NSG
Sand & Shale	2440	4190	Hole damp @ 2600'
Sand	4190	4410	Gas Check @ 3041' NSG
Sand & Shale	4410	6370	Gas check @ 4473' NSG
Shale	6370	6962	
Tully	6962		
FROM CDL LOG:			
Tully	6962	6990	
Sand & Shale	6990	7266	
Marcellus	7266	7438	
Onondaga	7438	7484	
Chert	7484	7542	
Needmore Shale	7542	7570	
Oriskany	7570	7794	Gas Flare @ 7710' 900 Mcf
Helderberg	7794	TD	

7865 T.D.

(Attach separate sheets as necessary)

Berea Oil & Gas Corp.

Well Operator

By: Thomas E. Riley, P.E., Manager of Engineering

Date: July 25, 1985

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

FILE COPY
RECEIVED

MAR 26 1985



1) Date: March 18, 1985
 2) Operator's Well No. HEDRICK #2
 3) API Well No. 47 -083- 1032
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 OIL & GAS DIVISION DEPARTMENT OF MINES, OIL AND GAS DIVISION
DEPT. OF MINES APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep X / Shallow _____)
- 5) LOCATION: Elevation: 2510' Watershed: Dry Fork
 District: Dry Fork County: Randolph Quadrangle: Harman
- 6) WELL OPERATOR BEREA OIL & GAS CORP. 7) DESIGNATED AGENT Mark Schumacher
 Address ONE BEREA PLAZA Address ONE BEREA PLAZA
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Phillip Tracy
 Address P.O. Box 2536
Elkins, WV 26241
- 9) DRILLING CONTRACTOR:
 Name _____
 Address _____
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Oriskany
 12) Estimated depth of completed well, 8700' feet
 13) Approximate strata depths: Fresh, 300' feet; salt, None feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No X

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	Class
Conductor	16			X		30'	30'	To surface		Class A
Fresh water	13 3/8			X		350'	350'	To surface		Class A
Coal									Sizes	
Intermediate	9 5/8			X		2850'	2850'	To surface		Class A
Production	4 1/2			X		8600'	8600'	1500' fill up	Depths set	Poz/mix 50/50
Tubing										
Liners									Perforations:	
									Top	Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-1032

Date April 4, 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires April 4, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>17</u>	<u>SW</u>	<u>MN</u>	<u>MN</u>	<u>13750</u>

Margaret J. Hass
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Hedrick Operator Well No.: #2
LOCATION: Elevation: 2510 Quadrangle: Harman 7.5
District: Dry Fork County: Randolph
Latitude: 4900 Feet South of 38 Deg. 57 Min. 30 Sec.
Longitude 2150 Feet West of 79 Deg. 30 Min. 00 Sec.
Well type: OIL _____ GAS X
Company: Berea Oil and Gas Corp Coal Operator N/A
69 Delaware Ave Suite 200B or Owner _____
Buffalo NY 14202 3878
Agent: Mark V. Schumacher Coal Operator _____
Inspector: Phil Tracy or Owner _____
Permit Issued: September 18, 1992

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Upshur ss:

Phillip Pulliam and Mark Cogar being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Berea Oil and Gas Corp, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 7 day of October, 1992, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Solid Bridge Plug set at	7600		4½ 4000	3680
cement	7600	7570		
6% gel	7570	3988	2 3/8 7680	0
cement	3988	3788		
6% gel	3788	1611		
cement	1611	1511		
6% gel	1511	200		
cement	200	0		

Description of monument: Underground plate with API number

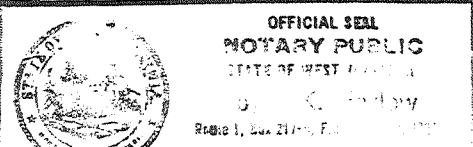
and that the work of plugging and filling said well was completed on the 13 day of October, 1992.

And further deponents saith not.

Phillip Pulliam
Mark Cogar

Joseph A. [Signature]
Notary Public

Sworn and subscribe before me this 15 day of October, 1992
My commission expires: June 16, 1993



NOV 13 1992