

17215 23/84

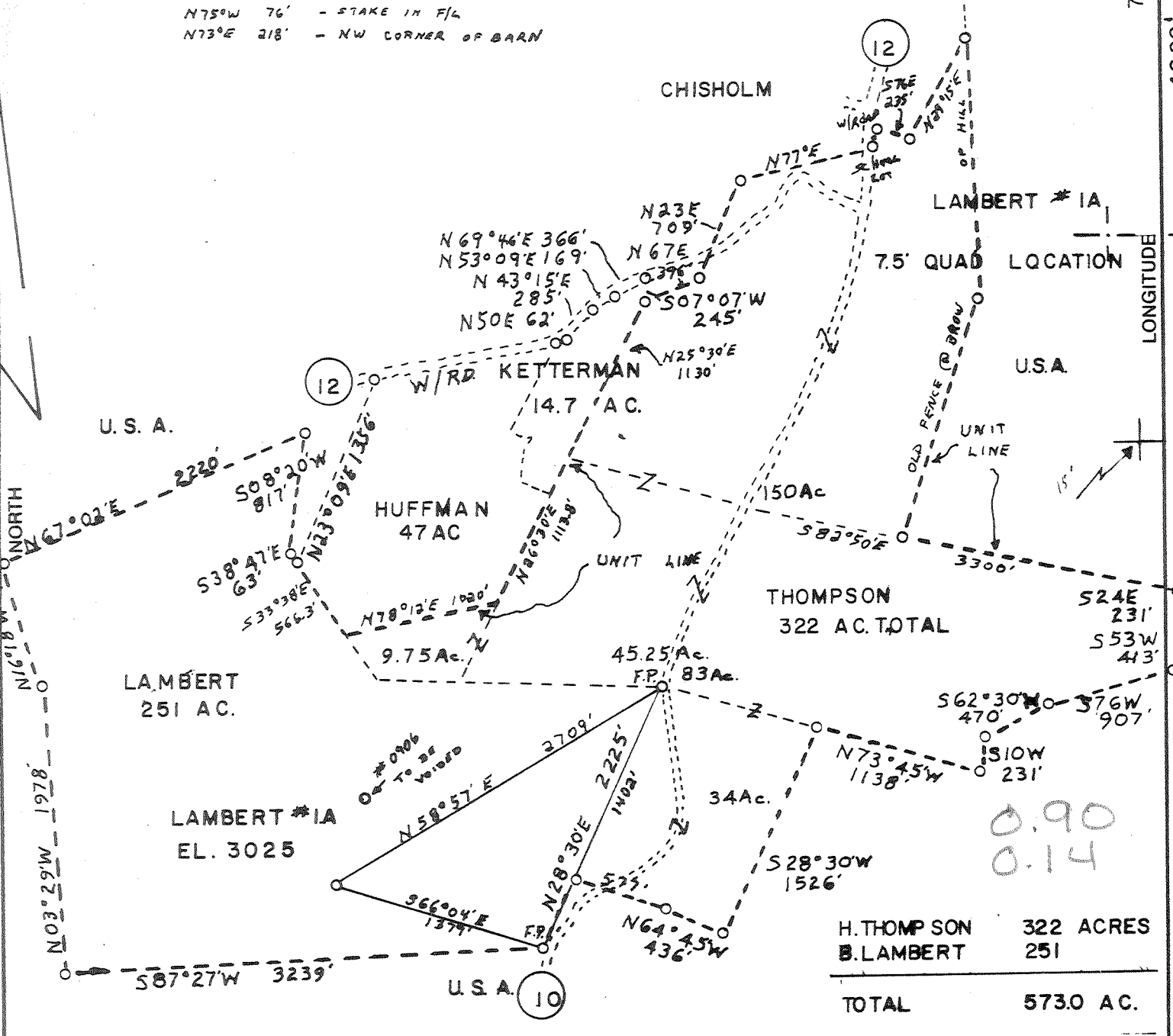
750

LATITUDE 38° 57' 30"

LONGITUDE 79° 35' 00"

REFERENCE POINTS:

- S75°E 88' - CORNER F.P.
- N75°W 76' - STAKE IN F/L
- N73°E 218' - NW CORNER OF BARN



H. THOMPSON	322 ACRES
B. LAMBERT	251
TOTAL	573.0 AC.

(+) 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 3203 TOP OF HOG KNOB

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) Burd Smith
 R.P.E. 6988 I.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE AUGUST 16, 1984
 OPERATOR'S WELL NO. LAMBERT #1A
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 3025 WATERSHED PANTHER CAMP RUN
 DISTRICT DRY FORK COUNTY RANDOLPH
 QUADRANGLE HARMAN 7.5
 SURFACE OWNER BRUCE E. LAMBERT, JR. ACREAGE 251
 OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 573.0

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 ESTIMATED DEPTH 7,000'
 WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 901 CHEM BANK BLDG. 69 DELAWARE ADDRESS ONE BEREA PLAZA
BUFFALO, NY 14202 BRIDGEPORT, WV 26330

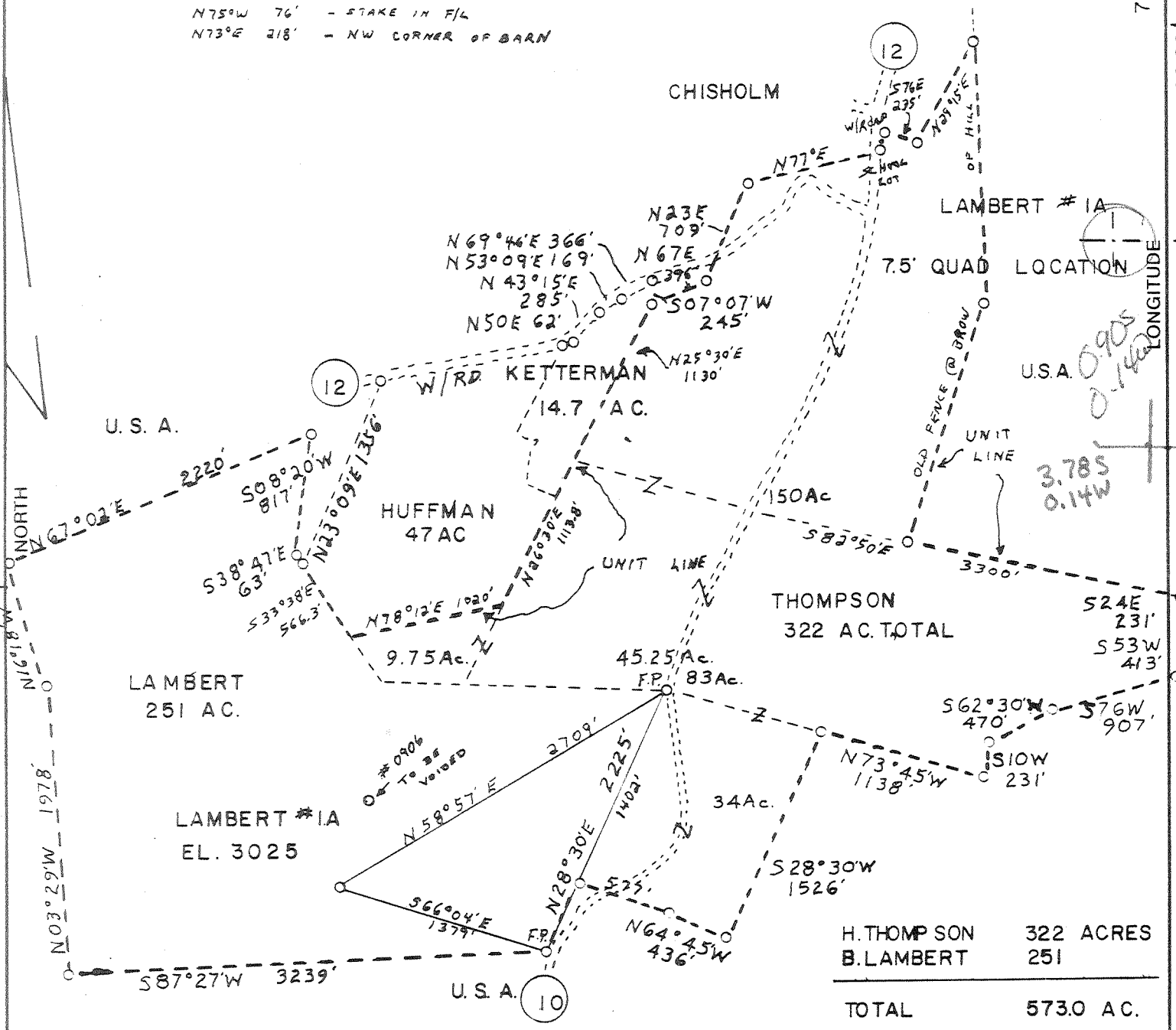
FORM IV-6 (8-78)

COUNTY NAME

PERMIT

Done 8/16/84 1-0 unnamed (b)

REFERENCE POINTS:
 S75°E 88' - CORNER F.P.
 N75°W 76' - STAKE IN F/L
 N73°E 218' - NW CORNER OF BARN



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 (SIGNED) Burd J. Smith
 R.P.E. 6988 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE AUGUST 16, 1984
 OPERATOR'S WELL NO. LAMBERT #1A
 API WELL NO.

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP X SHALLOW _____
 STATE COUNTY PERMIT

LOCATION: ELEVATION 3025 WATERSHED PANTHER CAMP RUN
 DISTRICT DRY FORK 2 COUNTY RANDOLPH
 QUADRANGLE HARMAN 391 North 800'S NC2

SURFACE OWNER BRUCE E. LAMBERT, JR. ACREAGE 251
 OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 573.0

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 7,000'
 WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 901 CHEM. BANK BLDG. 69 DELAWARE ADDRESS ONE BEREA PLAZA
 081 BUFFALO, NY 14202 BRIDGE PORT, WV 26330

SEP 4 1984

deep well

FORM IV-6 (8-78)

COUNTY NAME PERMIT

DIRECTIONAL SURVEY ✓

LAMBERT UNIT 1A
47-083-0951

<u>DEPTH (ft.)</u>	<u>DEVIATION ANGLE</u>	<u>BEARING</u>
72'	0° - 30'	S 53 W
141'	0° - 30'	S 38 W
397'	1° - 00'	S 58 W
610'	1° - 15'	S 78 W
702'	1° - 30'	S 78 W
800'	1° - 45'	S 78 W
858'	1° - 45'	S 78 W
918'	2° - 00'	S 78 W
985'	1° - 30'	S 76 W
1104'	1° - 45'	S 75 W
1187'	1° - 45'	S 83 W
1307'	1° - 45'	S 75 W
1412'	1° - 15'	S 78 W
1734'	1° - 30'	S 66 W
2025'	1° - 45'	S 68 W
2235'	2° - 15'	S 53 W
2317'	2° - 15'	S 58 W
2335'	2° - 30'	S 58 W
2565'	2° - 30'	S 58 W
2680'	2° - 15'	S 53 W
2905'	2° - 15'	S 48 W
3122'	2° - 30'	S 51 W
3290'	2° - 30'	S 48 W
3542'	2° - 15'	S 58 W
3798'	2° - 30'	S 78 W
4087'	2° - 45'	S 73 W
4320'	4° - 00'	S 83 W
4389'	4° - 00'	S 83 W
4482'	4° - 00'	S 80 W
4542'	4° - 30'	S 83 W
4607'	5° - 00'	S 87 W
4655'	5° - 00'	N 88 W
4772'	5° - 15'	West
4793'	5° - 30'	West
4845'	5° - 30'	S 88 W
4908'	5° - 30'	West
5009'	6° - 00'	N 87 W
5099'	6° - 15'	N 87 W
5193'	6° - 15'	N 87 W
5285'	6° - 15'	N 87 W
5376'	6° - 30'	N 87 W
5468'	6° - 45'	N 87 W
5585'	7° - 00'	N 80 W
5691'	6° - 30'	N 82 W
5778'	7° - 30'	N 77 W
5995'	7° - 00'	N 76 W
6085'	6° - 45'	N 74 W
6177'	6° - 30'	N 72 W
6333'	6° - 15'	N 67 W

10/12/84
LK

FORM 202(B) FILE COPY
RECEIVED
 AUG 23 1984



1) Date: August 16, 19 84
 2) Operator's Well No. Lambert Unit #1
 3) API Well No. 47 - 083 - 0951
 State County Permit

OIL & GAS DIVISION
DEPT. OF MINES

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

- 4) WELL TYPE: A Oil / Gas B (If "Gas", Production / Underground storage Deep / Shallow)
- 5) LOCATION: Elevation: 3025 Watershed: Panther Camp Run MC60KZ
 District: Dry Fork County: Randolph Quadrangle: Harman
- 6) WELL OPERATOR Berea Oil & Gas Corp. 7) DESIGNATED AGENT Mark Schumacher
 Address P.O. Box 569 Address P.O. Box 299
Dover, OH 44622 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name ~~Phillip Tracy~~ PHILLIP TRACY Name _____
 Address ~~Phillip Tracy~~ P.O. Box 2536 Address _____
ELKINS, WV 26241 - Phone: (304) 636-8798
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Oriskany
- 12) Estimated depth of completed well, 7000 feet
 13) Approximate trata depths: Fresh, 40 feet; salt, N/A feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No

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		
Conductor	16	H40	65#	X		200'	200'	to surface	Kinds
Fresh water	13 3/8	H40	48#	X		500'	500'	to surface	By Rule 15.05
Coal									Sizes
Intermediate	9 5/8	J55	40#	X		1500'	1500'	to surface	By Rule 15.05
Production	4 1/2	N80	11.60#	X		7000'	7000'	1500' or as	Depths set req. by rule
Tubing	2 3/8	EVE	4.7#	X		6900'			15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-083-0951 Date August 28, 19 84

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 August 28, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>17</u>	Agent: <u>MW</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>332.19</u>
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Margaret J. Hase
 Administrator, Office of Oil and Gas

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

File

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

CONFIDENTIAL



IV-35
(Rev 8-81)

Date December 18, 1984
Operator's
Well No. Lambert #1A
Farm Bruce Lambert
API No. 47 - 083 - 0951

State of West Virginia
Department of Mines
Oil and Gas Division

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

WELL TYPE: Oil ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production x / Underground Storage ___ / Deep x / Shallow ___ /)

LOCATION: Elevation: 3025' Watershed Panther Camp Run
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 Bruce E. Lambert Jr.

ADDRESS Wymer, WV 26297

MINERAL RIGHTS OWNER Bruce, Hazel & Bruce, Jr Lambert

ADDRESS Wymer, WV 26297

OIL AND GAS INSPECTOR FOR THIS WORK Phillip

Tracy ADDRESS Elkins, WV 26241

PERMIT ISSUED 6-1-84

DRILLING COMMENCED 8-31-84

DRILLING COMPLETED 10-1-84

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

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13 3/8" X 5.75 LB	88'	80'	---
9 5/8"	1245'	1214'	460 sks.
8 5/8"			
7"			
5 1/2"			
4 1/2"	7000'	6940'	510 sks.
3"			
2 3/8"		6700'	
Liners used			

GEOLOGICAL TARGET FORMATION Tuscarora Depth 9800 feet

Depth of completed well 7000' feet Rotary ___ / Cable Tools ___

Water strata depth: Fresh ___ feet; Salt ___ feet

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

See Well Treatment

Producing formation Oriskany & Helderberg Pay zone depth Details feet

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 measurement) after ___ 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

Static rock pressure ___ psig (surface measurement) after ___ hours shut in

JUN 15 1987

(Continue on reverse side)

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

Oriskany 10/12/84

6718' - 6722' (7 holes)
6726' - 6730' (5 holes)
6736' - 6738' (2 holes)

Helderberg 10/12/84

6786' - 6790' (6 holes)

10/13/84 Oriskany & Helderberg

Formation broke @ 2400#. ISIP 2500#
5 min. 2000#. Avg. pump rate 46.5BPM
@ 4254#. Used 1245BW, 75,000# 20/40
sand & 7000 gal HCl 5%.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
<u>DRILLERS LOG</u>					
Top Soil			0	5	
Sand & Shale			5	15	
Sand			15	90	1" stream @ 62'
Shale			90	108	
Shale			108	203	2" stream water @ 109'
Lime & Sand			202	213	
Sand			213	247	
Sand & Shale			247	1367	
Sand			1367	1405	
Sand & Shale			1405	1511	Gas check @ 1498' - No Show
Sand			1511	1960	
Sand & Shale			1960	3060	Gas check @ 2821' - No Show
Benson			3060	3080	
Sand & Shale			3080	4550	Gas check @ 3255' - No Show
Sand			4550	4680	Gas check @ 3715' - No Show
Sand & Shale			4680	6113	Gas check @ 4179' - No Show
<u>FROM CDL</u>					
Tully LS			6108	6153	Gas check @ 6124' - No Show
Marcellus			6153	6368	
Onondaga			6368	6486	
Hunterville Chert			6486	6572	
Needmore Shale			6572	6610	
Oriskany			6610	6774	
Helderberg LS			6774	TD	Gas check @ TD - No Show
LTD 7001'					
DTD 7000'					

(Attach separate sheets as necessary)

Berea Oil & Gas Corp.

Well Operator

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

Date: December 18, 1984

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
minerals, encountered in the drilling of a well."