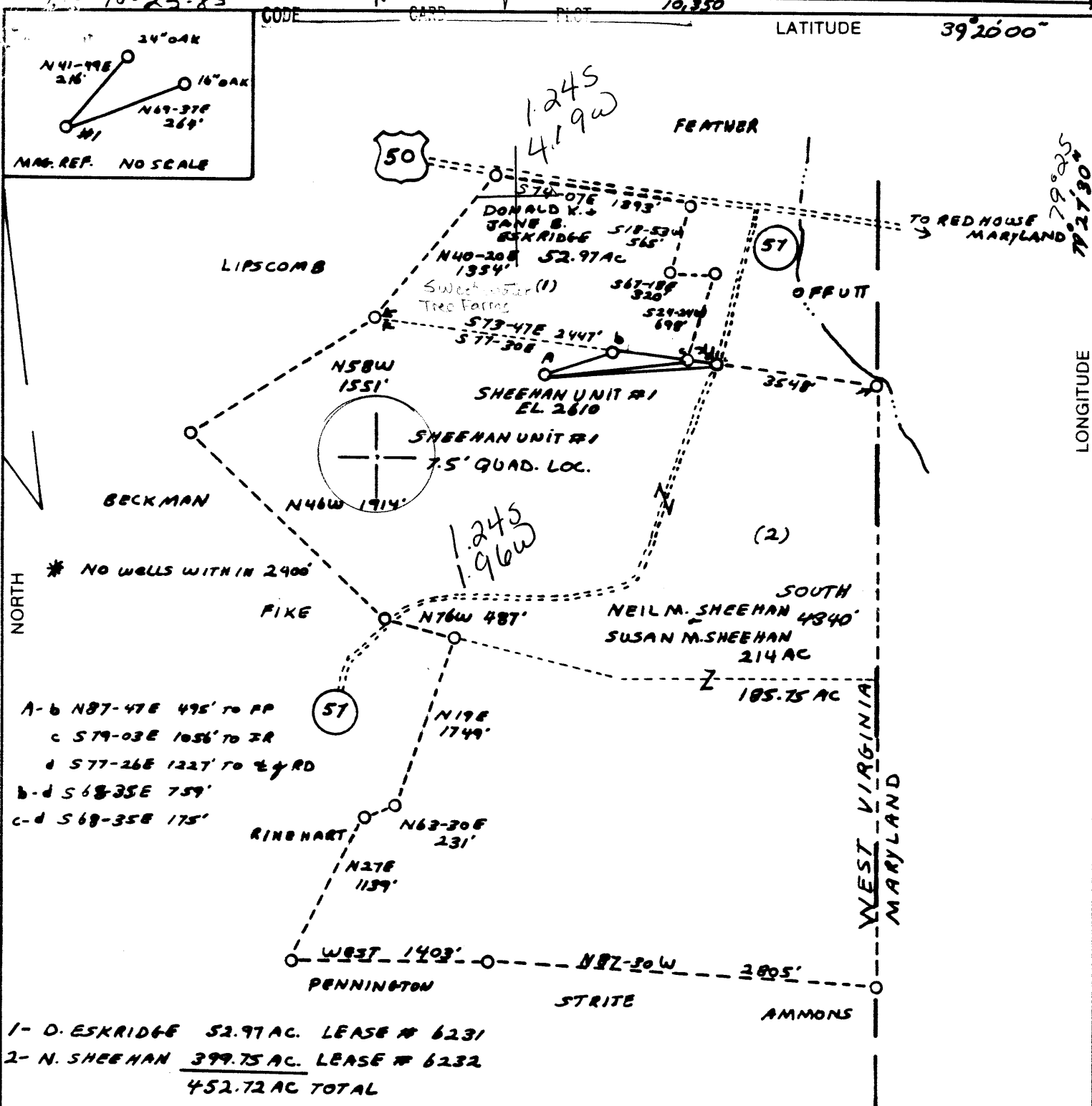


WV 10-23-85



- A-b N87-47E 495' TO RP
- c S79-03E 1056' TO IR
- d S77-26E 1227' TO 24 RD
- b-d S68-35E 759'
- c-d S68-35E 175'

1- D. ESKRIDGE 52.97 AC. LEASE # 6231
 2- N. SHEEHAN 399.75 AC. LEASE # 6232
 452.72 AC TOTAL

(+) 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 RTE 50+57 RD IN EL 2425

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 OCT 11, 1985
 OPERATOR'S WELL NO. SHEEHAN UNIT #1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 STATE COUNTY PERMIT 47-077-0243

LOCATION: ELEVATION 2610 WATER SHED YOUNG-HIGHENY RIVER
 DISTRICT UNION 7 COUNTY PRESTON
 QUADRANGLE TABLE ROCK 631 093 SW 7 Oakland

SURFACE OWNER NEIL M. SHEEHAN & SUSAN M. SHEEHAN ACREAGE 214 AC
 OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 452.72 AC

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 6800'
 WELL OPERATOR BERRA OIL & GAS CORP DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 900 CHEMICAL BANK BLDG, 69 DELAWARE AVE ADDRESS ONE BERRA PLAZA
BUFFALO, NY 14202 BRIDGEPORT WV, 26330

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

COUNTY NAME
 PERMIT

OCT 28 1985

081 deep well

CONFIDENTIAL

WR-35



State of West Virginia DEPARTMENT OF ENERGY Oil and Gas Division

Date January 17, 1986 Operator's Well No. Sheehan Unit #1 Farm Neil & Susan Sheehan API No. 47 - 077 - 0243

WELL OPERATOR'S 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: 2610' Watershed Youghioheny District: Union 7 County Preston Quadrangle Table Rock

630

COMPANY Berea Oil & Gas Corp. 4650 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 Neil M & Susan M. Sheehan 4505 Klinge St. N.W. ADDRESS Washington, DC 20016 MINERAL RIGHTS OWNER Unitized ADDRESS See Plat OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis 204 Crab Apple Lane Fairmont, WV 26554 PERMIT ISSUED 10/23/85 DRILLING COMMENCED 11/20/85 DRILLING COMPLETED 12/9/85 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 20-MK Cond., 13 3/8", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2 3/8", and Liners used.

GEOLOGICAL TARGET FORMATION Oriskany Depth 6800 feet Depth of completed well 6300 feet Rotary X / Cable Tools Water strata depth: Fresh 80 feet; Salt Coal seam depths: none Is coal being mined in the area? No

OPEN FLOW DATA Producing formation Oriskany & Chert Pay zone depth Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d Test Date: 12/31/85 Final open flow 1.9 MMcf/d Final open flow 0 Bbl/d Time of open flow between initial and final tests 72 hours Static rock pressure 2020 psig (surface measurement) after 4 hours shut in (If applicable due to multiple completion--)

1,900 Mcf

FEB 23 1987

(Continue on reverse side)

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

12/14/85 Perf Oriskany
 { 6065' - 6069' (3 holes)
 6090' - 6094' (3 holes)
 6096' - 6100' (3 holes)
 6115' - 6118' (3 holes)
 6146' - 6150' (3 holes)

12/16/85 Frac Oriskany
 Formation broke @ 2000#, avg. pressure 4200#, avg pump rate 40.3 BPM. Used 942 BW, 60,000# 20/40 sand, 3800 gal 5% HCl acid.

12/16/85 Perf Chert
 { 5918' - 5922' (2 holes)
 5934' - 5946' (8 holes)
 5952' - 5960' (5 holes)

12/16/85 Frac Chert
 Formation broke @ 1960#, avg. pressure 4200#, avg pump rate 42 BPM. Used 1278 BW, 90,000# 20/40 sand and 6800 gal 5% HCl acid. ISIP 2300#, 5 min. 2090#.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Drillers Log:					
KB - GL			0	10	
Sand & Shale			10	153	2 " stream water @ 80'
Shale & Sand			153	323	
Shale			323	330	
Shale and Shale			330	434	
Sand, Shale & Red Rock			434	970	
Sand & Shale			970	5455	Gas check @ 2307' NSG
Tully			5455		
FROM CDL LOG:					
Tully			5446	5462	
Shale			5462	5836	
Limestone 455			5836	5872	
Shale			5872	5894	
Onondaga Lime			5894	5914	
Huntersville Chert			5914	6022	Gas check @ 6017' NS
Needmore Shale			6022	6042	
Oriskany			6042	6170	Flare Gas @ 6103'
Helderberg L.S.			6170	TD	Gas check @ TD -odor TSTM

DTD 6300'
 LTD 6280'

(Attach separate sheets as necessary)

Berea Oil & Gas Corp.
 Well Operator
Thomas E. Riley
 By: Thomas E. Riley, P.E., Manager of Engineering
 Date: January 17, 1986

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."

7/85



1) Date: October 14, 1985
 2) Operator's Well No. SHEEHAN UNIT #1
 3) API Well No. 47 -077- 0243
 State County Permit

RECEIVED
 OCT 19 1985

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, 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: 2610' Watershed: Youghiogheny
 District: Union 081 County: Preston Quadrangle: Table Rock
- 6) WELL OPERATOR BEREA OIL & GAS CODE: 4650 7) DESIGNATED AGENT Mark Schumacher
 Address One Berea Plaza P.O. Box 299 Address One Berea Plaza P.O. Box 299
Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Donald Ellis
 Address 204 Crab Apple Lane
Fairmont, WV 26554
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 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 Sandstone 475
- 12) Estimated depth of completed well, 5800' feet
 13) Approximate strata depths: Fresh, 200' feet; salt, 1200' feet.
 14) Approximate coal seam depths: None 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"			X		20'	20'	To surface	Kind: Class A
Fresh water	13 3/8"			X		300'	300'	To surface	Class A
Coal									Sizes
Intermediate	9 5/8"			X		1500'	1500'	To surface	Class A
Production	4 1/2"			X		6790'	6790'	1500' Fill up	Depth: 4oz/mix 50/50
Tubing									
Lin.									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-077-0243 Date October 23 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 October 23, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AO</u>	Plat: <u>MX</u>	Casing: <u>MX</u>	Fee: <u>175.00 / 175.06</u>	WPCP: <u>MX</u>	S&E: <u>MX</u>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

Margaret J. Hase
 Director, Division of Oil and Gas

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

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT 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: SHEEHAN, NEIL & SUSAN Operator Well No.: SHEEHAN 1

LOCATION: Elevation: 2610.00 Quadrangle: TABLE ROCK
District: UNION County: PRESTON
Latitude: 6400 Feet South of 39 Deg. 20 Min. 0 Sec.
Longitude 10350 Feet West of 79 Deg. 27 Min. 30 Sec.

Well Type: OIL _____ GAS x

Company: Berea Oil & Gas Corp.
69 Delaware Ave.
Buffalo, N.Y. 14202

Coal Operator N/A
or Owner _____

Agent: Mark V. Schumacher

Coal Operator N/A
or Owner _____

Permit Issued: 09/18/92

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Harrison

ss:

Mark V. Schumacher and John Clowser 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 the above named well operator, and participated in the work of plugging and filling the above well, and Phil Tracy Oil and Gas Inspector representing the Director, say that said work was commenced on the 4th day of May, 1993, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Solid Bridge Plug	5850	5848	2-3/8" 5923'	0
Cement gel	5848 5828	5828 3647	4 1/2" 3647'	2593'
Cement gel	3647 3427	3427 2120		
Cement gel	2120 1920	1920 200		
Cement	200	0		

Description of monument: 2" steel vent pipe
and that the work of plugging and filling said well was completed on the 6th day of May, 1993.

And further deponents saith not.

Mark V. Schumacher
John Clowser

Sworn and subscribe before me this 7th day of MAY, 1993

My commission expires December 11, 2001

Kathleen L. White
Notary Public JUN 11 1993



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
KATHLEEN L. WHITE
RT. 1, BOX 1510
BRIDGEPORT, WV 26305
My Commission Expires December 11, 2001

Oil and Gas Inspector: Phil Tracy