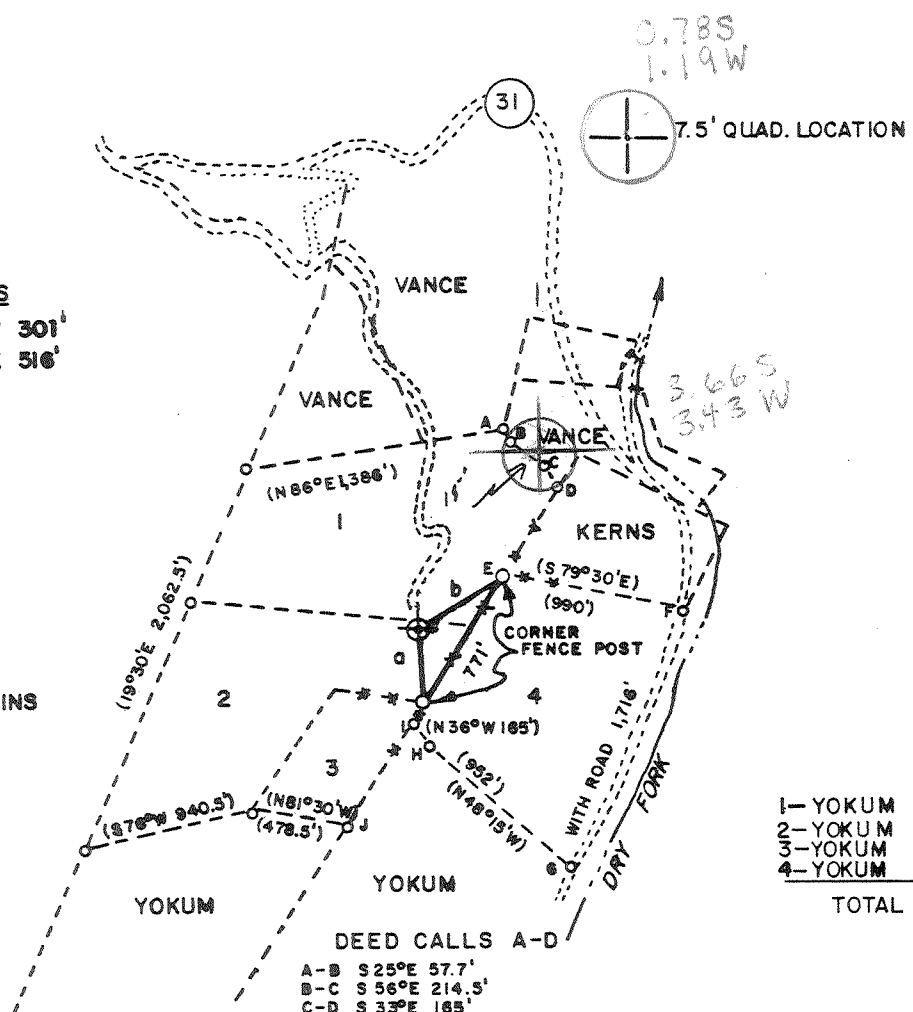


Well References (Re-staking" data)

- 1) FROM PROPOSED WELL N 45° 19' W-178' to S.E. Corner of Barn
- 2) FROM PROPOSED WELL N 05° 14' E-123' to a Set Stake

- REFERENCES
- a) S 04° 41' W 301'
 - b) N 45° 20' E 516'



1-YOKUM	44 1/2 AC.
2-YOKUM	44 1/2
3-YOKUM	10
4-YOKUM	24
TOTAL	123 ACRES

DEED CALLS A-D

A-B S 25° E 57.7'

B-C S 56° E 214.5'

C-D S 33° E 185'

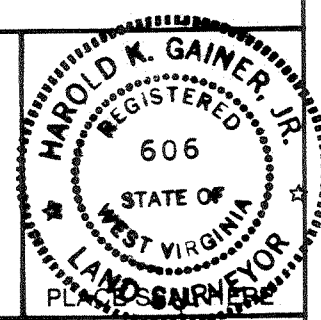
D-E (CALCULATED)
S 33° 30' W 550'

E-J (CALCULATED)
S 33° 30' W 730'

(+) 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 BM 2550

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) Harold K. Gainer, Jr.
 R.P.E. _____ L.L.S. 606



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 8/2, 1984
 OPERATOR'S WELL NO. YOKUM UNIT #1
 API WELL NO. 47-083-0939-P
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 3030 WATERSHED DRY FORK
 DISTRICT DRY FORK COUNTY RANDOLPH
 QUADRANGLE WHITMER HORTON EC 6

SURFACE OWNER TROY YOKUM ACREAGE 44 1/2
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 123
 LEASE NO. _____

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 8200' DEC 26 1984
 WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 901 CHEMICAL BANK BLD. 69, DELAWARE AVE. ADDRESS ONE BEREA PLAZA
BUFFALO, N.Y. 14202 BRIDGEPORT, WV 26330

COUNTY NAME RANDOLPH
 PERMIT 939

170 [unclear] DEEP WELL

LATITUDE 38° 52' 30"

6,000'

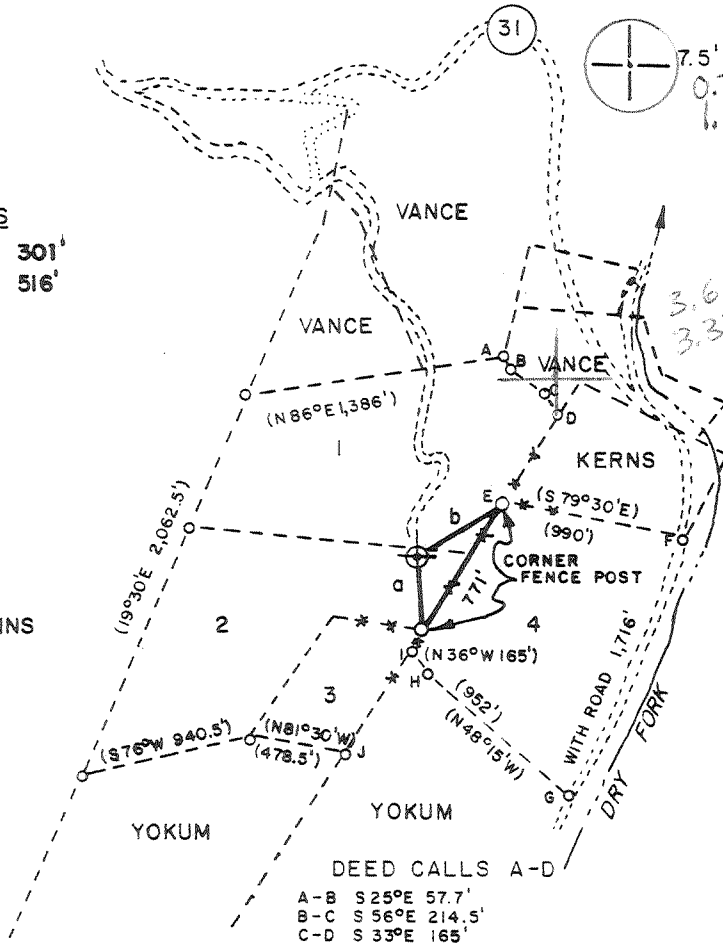
LONGITUDE 79° 32' 30"

Well References (Re-staking" data)

- 1) FROM PROPOSED WELL N 45° 19' W - 178' TO S.E. Corner of Barn
- 2) FROM PROPOSED WELL N 05° 14' E - 123' TO a Set Stake

REFERENCES

- a) S 04° 41' W 301'
- b) N 45° 20' E 516'



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2-YOKUM	44 1/2
3-YOKUM	10
4-YOKUM	24
TOTAL 123 ACRES	

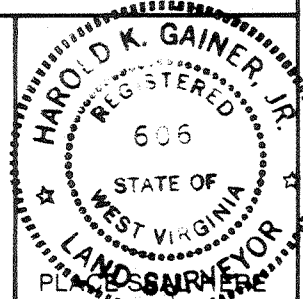
DEED CALLS A-D

- A-B S 25° E 57.7'
- B-C S 56° E 214.5'
- C-D S 33° E 165'
- D-E (CALCULATED)
S 33° 30' W 550'
- I-J (CALCULATED)
S 33° 30' W 738'

(+) 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 BM 2550

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) Harold K. Gainer, Jr.
 R.P.E. _____ L.L.S. 606



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 8/2, 1984
 OPERATOR'S WELL NO. YOKUM UNIT #1
 API WELL NO. _____
 STATE 47 COUNTY 083 PERMIT 0939

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 3030 WATER SHED DRY FORK
 DISTRICT DRY FORK 2 COUNTY RANDOLPH
 QUADRANGLE WHITMER 678 HORTON 060 EC6
 SURFACE OWNER TROY YOKUM ACREAGE 44 1/2
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 123

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 8200'
 WELL OPERATOR BEREA OIL & GAS CORP. 081 DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 901 CHEMICAL BANK BLD. 69, DELAWARE AVE. BUFFALO, N.Y. 14202 ADDRESS ONE BEREA PLAZA BRIDGEPORT, WV 26330

AUG 13 1984

deep well

COUNTY NAME

PERMIT

FORM IV-6 (8-78) HT HALL

5
8-81)

CONFIDENTIAL



State of West Virginia
Department of Mines
Oil and Gas Division

Date December 13, 1984
Operator's Well No. Yokum Unit #1
Farm Troy Yokum
API No. 47 - 083 - 0939

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

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

LOCATION: Elevation: 3030' Watershed Dry Fork
District: Dry Fork County Randolph Quadrangle Whitmer
677

COMPANY Berea Oil & Gas Corp. 104650
ADDRESS P.O. Box 299, Bridgeport, WV 26330
DESIGNATED AGENT Thomas E. Riley, P.E.
ADDRESS P.O. Box 299, Bridgeport, WV 26330
FACE OWNER Troy & Nora Yokum
ADDRESS Rt. 2, Box 14, Harman, WV
LEGAL RIGHTS OWNER Troy & Nora Yokum
ADDRESS Rt. 2, Box 14, Harman, WV
ENGINEER AND GAS INSPECTOR FOR THIS WORK Philip Tracey
ADDRESS Elkins, WV 26241
PERMIT ISSUED 8-10-84
DRILLING COMMENCED 10-3-84
DRILLING COMPLETED 11-17-84
APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR WORKING. VERBAL PERMISSION OBTAINED 11/18/84 by Philip Tracey

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13 3/8" XXXXX	88	none	
9 5/8	2736	2695.7	780 sks
8 5/8			
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

LOGICAL TARGET FORMATION Oriskany Depth 8100 feet
Depth of completed well 8172 feet Rotary X / Cable Tools
Water strata depth: Fresh 230-314' feet; Salt feet
Coal seam depths: N/A Is coal being mined in the area? No

FLOW DATA P & A 11/18/84
Producing formation Pay zone depth 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

(REVERSE)

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

WELL WAS P & A 11/18/84

Affidavit of P & A was submitted December 12, 1984

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:					
Fill			0	3	
Sand			3	123	
Red Rock			123	170	
Shale			170	185	
Sand			185	205	
Shale			205	235	
Sand			235	253	
Shale			253	860	
Sand & Shale			860	920	
R.R. & Shale			920	1220	
R.R.			1220	1370	
Sand & Shale			1370	1415	
Sand			1415	1420	
Sand, Shale & R.R.			1420	3044	
Speechly		432	30444	3079	
Sand & Shale			3079	5706	
Shale			5706	5778	
Sand & Shale			5778	6469	
Shale			6469	7260	
Shale & Sand			7260	7374	
Tully L.S.		445	7374	7400	
Sand & Shale			7400	7540	
Shale			7540	7610	
Marcellus		455	7610	7746	
Onondaga L.S.		461	7746	7784	
Shale			7784	7855	
Needmore Shale		463	(7755)		
Hunterville Chert		463	7784	7795	
Oriskany		476	7895	TD	

TD 8172

(Attach separate sheets as necessary)

Berea Oil & Gas Corp.
 Well Operator
Thomas E. Riley
 By: Thomas E. Riley, P.E., Manager of Engineering
 Date: December 13, 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

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1) Date: August 3, 19 84
 2) Operator's Well No. Yokum Unit #1
 3) API Well No. 47 083 0939
 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 /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 3030' Watershed: Dry Fork
 District: Dry Fork County: Randolph Quadrangle: Whitmer
- 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 Tracey Name _____
 Address Elkins, WV 26241 Address _____
 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, 8100 feet
- 13) Approximate trata depths: Fresh, 600 feet; salt, 2500 feet.
- 14) Approximate coal seam depths: -- 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	12	H40	42#	X		700'	700'	to surface	By rule 15.05
Fresh water	9 5/8	J55	40#	X		2700'	2700'	to surface	By Rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2	N80	11.60#	X		8100'	8100'	1500' or as	Depths set req. by Rule 15.01
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0939 Date August 10 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 10, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>17</u>	Agent: <input checked="" type="checkbox"/>	Plat:	Casing	Fee
<u>BLANKET</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>3374</u>

Margaret J. Hass
 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.

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

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DEC 10 1984

CONFIDENTIAL

DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, 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.

COAL OPERATOR OR OWNER	Berea Oil & Gas Corp.
ADDRESS	P. O. Box 299, Bridgeport, WV 26330
COAL OPERATOR OR OWNER	NAME OF WELL OPERATOR
ADDRESS	COMPLETE ADDRESS
LEASE OR PROPERTY OWNER	WELL AND LOCATION
ADDRESS	Dry Fork District
	Randolph County
	Well No. Yokum Unit #1
	Troy Yokum Farm

STATE INSPECTOR SUPERVISING PLUGGING..... Philip Tracy

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of Harrison } ss:

James O. Fleming and Mark V. Schumacher

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 & Gas Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 18th day of November, 1984, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION Hunterville Chert & Oriskany	(8100' - 7825') cement plug (7825' - 4000') gel			2695.7 9 5/8"
Sand & Shale	(4000' - 3800') cement plug (3800' - 2730') gel			
Sand & Shale & R.R.	(2730' - 2630') cement plug (2630' - 250') gel			
Sand & Shale & R.R.	(250' - surface) Cement plug			
COAL SEAMS				
(NAME)	N/A		DESCRIPTION OF MONUMENT	
(NAME)			8' of 8 5/8" pipe will be installed	
(NAME)			(36" from ground up) with P & A date	
(NAME)			and API # welded on pipe.	

and that the work of plugging and filling said well was completed on the 18th day of November, 1984.

And further deponents saith not.

Sworn to and subscribed before me this 12th day of December, 1984.

My commission expires:
January 3, 1993

James O. Fleming
Mark V. Schumacher
Hattie E. Kead
Notary Public.