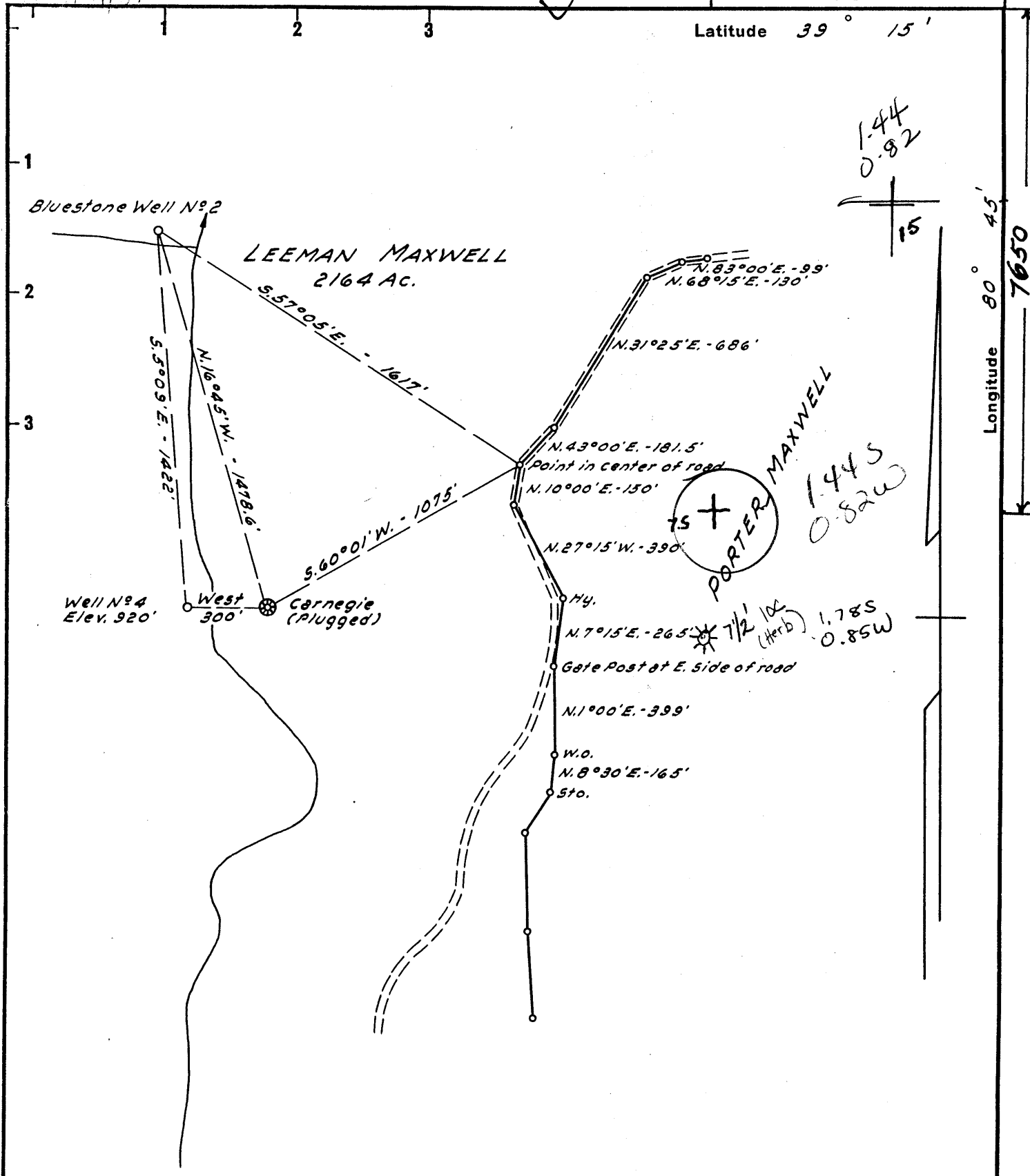


9/24/37

4350

Latitude 39° 15'



Longitude 80° 45' 7650

New Location... REVISED
 Drill Deeper... - 9/24/37
 Abandonment...

15' loc
 1.78S
 0.85W

CORRECT OPERATOR - BLUESTONE #4

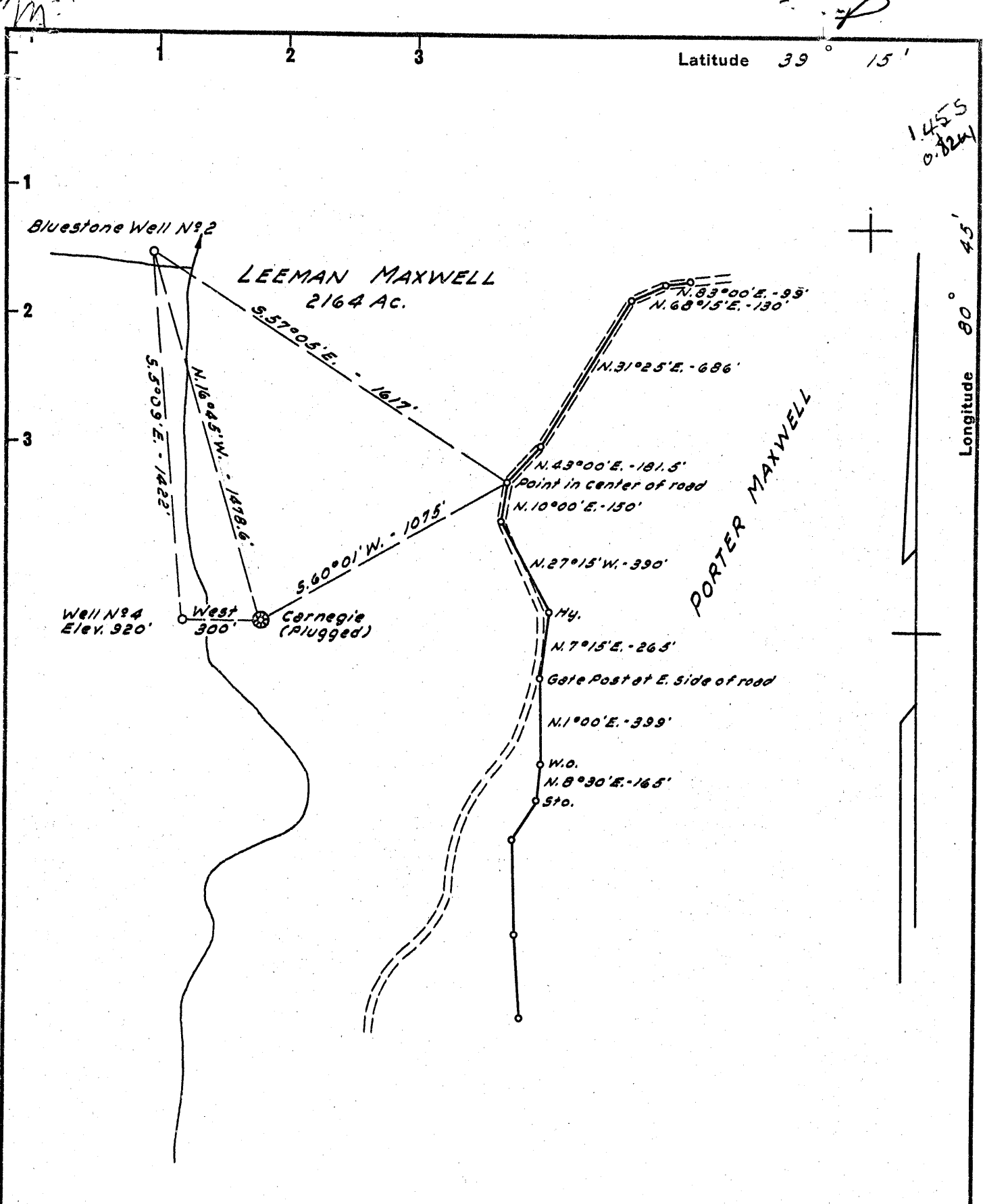
Company ANVIL OIL & GAS
 Address PO BOX 2566 CLARKSBURG, W. Va. 26301
 Farm LEEMAN MAXWELL / Justin Henderson
 Tract _____ Acres 2164 Lease No. _____
 Well (Farm) No. 1 Serial No. 4
 Elevation (Spirit Level) 920'
 Quadrangle HOLBROOK 15 OXFORD 75
 County DODDRIDGE District WEST UNION 8
 Engineer JOHN W. HAMILTON
 Engineer's Registration No. 2274
 File No. _____ Drawing No. _____
 Date MAR. 3, 1958 Scale 1" = 500'

48
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. DOD-244-DD

526,058 3 NE
 + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 SFD 2 8 1987
 - Denotes one inch spaces on border line of original tracing. 47-017

4950' 0WDD 6-6 Straight Fork - Bluestone Creek (133) Alexander



New Location REVISED
 Drill Deeper
 Abandonment

CORRECT OPERATOR - BLUESTONE #4

Company	<u>BLUESTONE OIL & GAS CO.</u>
Address	<u>ROBERT H. HOLLAND AGT., WEST UNION</u>
Farm	<u>LEEMAN MAXWELL</u>
Tract	Acres <u>2164</u> Lease No. _____
Well (Farm) No.	<u>1</u> Serial No. <u>4</u>
Elevation (Spirit Level)	<u>920'</u>
Quadrangle	<u>HOLBROOK - NE</u>
County	<u>DODDRIDGE</u> District <u>WEST UNION</u>
Engineer	<u>JOHN W. HAMILTON</u>
Engineer's Registration No.	<u>2274</u>
File No.	Drawing No. _____
Date	<u>MAR. 3, 1958</u> Scale <u>1" = 500'</u>

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

WELL LOCATION MAP
 FILE NO. DOD-244

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

1.455
0.824

Longitude 80° 45'

FV
58

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

Perforate Alexander 4838-4889, with 17 holes , frac with 350 gal 15% hcl
 50 sks 80/100, 350 sks 20/40, 100, 000scf N2 470 bbls treated fluid
 Avg rate 13 bbls Avg psi 4800 #

Perforate Benson 4548-4555 with 12 holes, frac with 300 gal 15% hcl
 300 sks 20/40 95,000 scf N2, 450 bbls treated fluid
 Avg rate 15 bbls Avg psi 3500#

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
see existing OG-10			0	1667	previous hole
shale			1670	2245	
sand			2245	2260	
shale			2260	4522	E Log tops
brown shale			4522	4435	Berea 2020
shale			4435	5032	Gordon 2054
TD				5032	Benson 4522
					Alex. 4793
					5032 new TP
					1697 old TD
					<u>3335</u> - new ftg

(Attach separate sheets as necessary)

Anvil Oil Co. Inc.

Well Operator

By: 

Date: 11-25-87

OFFICE OF MINERAL RESOURCES
 DEPARTMENT OF ENERGY

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."

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3

Quadrangle Holbrook

Permit No. DOD-244

WELL RECORD

Oil or Gas Well Gas

(KIND)

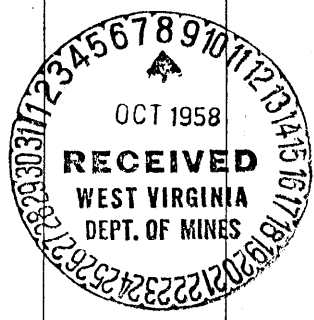
Company <u>Bluestone No. 4</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>West Union, W. Va.</u>				
Farm <u>Leeman Maxwell</u> Acres <u>2164</u>	Size			
Location (waters) <u>Bluestone Creek</u>	16			Kind of Packer
Well No. <u>1</u> Elev. <u>920</u>	13			<u>Bottom hole</u>
District <u>West Union</u> County <u>Doddridge</u>	10	<u>169</u>	<u>0</u>	Size of <u>6-5/8</u>
The surface of tract is owned in fee by <u>Justin M. Henderson</u> Address <u>West Union, W. Va.</u>	8 1/4	<u>1076</u>	<u>1076</u>	Depth set <u>1554</u>
Mineral rights are owned by <u>Mary H. Holland, et al</u> Address <u>West Union, W. Va.</u>	6 3/4	<u>1561</u>	<u>1561</u>	
Drilling commenced <u>March 12, 1958</u>	5 3/16			Perf. top
Drilling completed <u>April 29, 1958</u>	3			Perf. bottom
Date Shot <u>None</u> From _____ To _____	2			Perf. top
With _____	Liners Used			Perf. bottom
Open Flow /10ths Water in _____ Inch				
/10ths Merc. in _____ Inch				
Volume <u>4,000</u> Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____			
Rock Pressure <u>425</u> lbs. <u>24</u> hrs.				
Oil <u>None</u> bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>700</u> FEET _____ INCHES			
WELL ACIDIZED <u>Yes</u>	_____ FEET _____ INCHES FEET _____ INCHES			
WELL FRACTURED <u>Yes</u>	_____ FEET _____ INCHES FEET _____ INCHES			

RESULT AFTER TREATMENT 400,000 c. f.

ROCK PRESSURE AFTER TREATMENT 450 - 24 hrs.

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top soil			0	6			
Sand			6	55			
Slate			55	65			
Lime		Hard	65	98			
Red rock			98	120			
Slate			120	150			
Lime			150	160			
Slate			160	176			
Lime			176	187			
Red rock			187	190			
Slate			190	215			
Sand			215	235			
Slate			235	335			
Red rock			335	338			
Slate			338	360			
Red rock			360	390			
Lime			390	409			
Slate			409	411			
Sand			411	416			
Slate			416	426			
Red rock			426	446			
Slate			446	455			
Lime			455	475			
Shale			475	506			
Coal			506	508			
Slate			508	535			
Red rock			535	575			



Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			575	585			
Slate			585	616			
Lime			616	665			
Slate			665	678			
Gritty lime			678	700			
Coal			700	712			
Slate			712	730			
Lime			730	765			
Slate			765	845			
Lime			845	945			
Black slate			945	960			
Black lime			960	970			
Pink Rock			970	980			
Slate			980	1010			
Sand			1010	1025			
Lime			1025	1045			
Sand			1045	1085			
Lime			1085	1110			
Slate			1110	1160			
Black lime			1160	1208			
Slate			1208	1218			
Lime			1218	1250			
Slate			1250	1270			
Lime			1270	1306			
Sand			1306	1320			
Lime			1320	1345			
Sand			1345	1355			
Black lime			1355	1390			
Slate			1390	1445			
Sand			1445	1455			
Slate			1455	1485			
Little lime			1485	1525			
Pencil cave			1525	1528			
Lime			1528	1606			
Gritty lime			1606	1675	gas	1665-1675	
Slate			1675	1697			
Total				1697			

Date October 6, 1958

APPROVED _____, Owner

By _____
(Title)

(Obtained from)
7/8

RECEIVED
SEP 24 1987



1) Date: Sept. 22, 1987
 2) Operator's Well No. Maxwell #4
 3) API Well No. 47 017 244 DD
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas XXX /
 B (If "Gas", Production / Underground storage / Deep / Shallow XXX /)
- 5) LOCATION: Elevation: 920 / Watershed: Bluestone Creek
 District: West Union 8 / County: Doddridge 017 / Quadrangle: Oxford 525
- 6) WELL OPERATOR Anvil Oil Co. Inc. CODE: 2275 7) DESIGNATED AGENT Justin Henderson
 Address P.O. Box 2566 / Address P.O. Box 2566
Clarksburg WV 26301 / Clarksburg WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood
 Address _____
- 9) DRILLING CONTRACTOR: Name Clowser Well Service
 Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper XXX / Redrill / Stimulate XXX /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Alexander
- 12) Estimated depth of completed well, 4950 feet
- 13) Approximate trata depths: Fresh, cased off feet; salt, cased off feet.
- 14) Approximate coal seam depths: cased off Is coal being mined in the area? Yes / No NO

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
		Grade	Weight per ft.	New	Used		
Conductor							Kinds
Fresh water	8 1/4					1076	← EXISTING
Coal							Sizes
Intermediate	6 5/8					1561	↓ on packer
Production	2 7/8					4950	3000' fillu
Tubing							Depths set <u>38 CSR18-11.1</u>
Liners							Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-0244-DD Date September 24 19 87

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 September 24, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>232</u> <u>1192</u>	NETP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

 Director, Division of Oil and Gas File

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