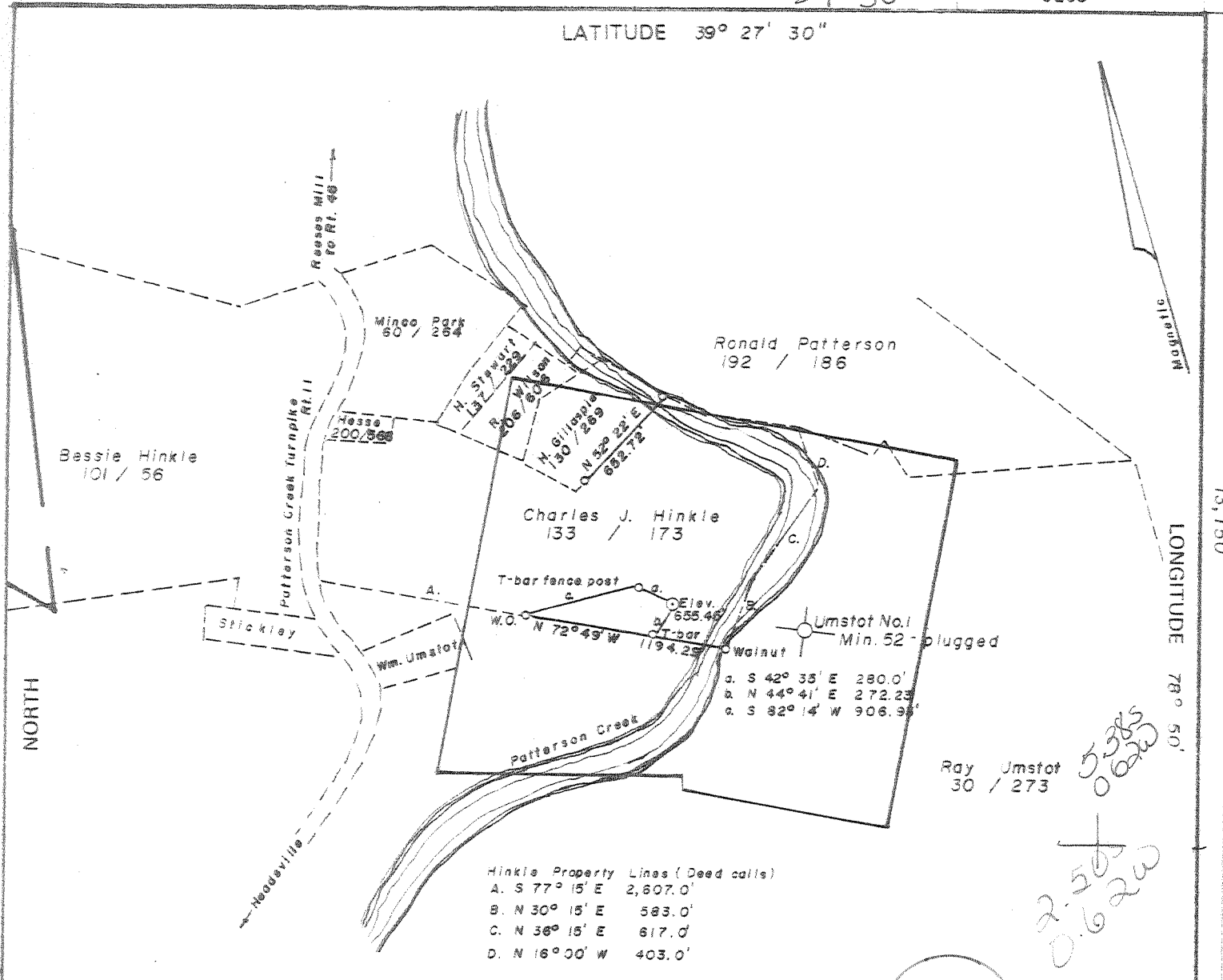


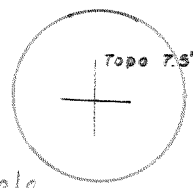
LATITUDE 39° 27' 30"

LONGITUDE 78° 50'



Surface & Minerals

Va. Fertig No. 2  
Min. 67' - producing



Charles & Catherine Hinkle  
133 / 173

75' loc  
249 S 39° 27' 30"  
0.61 W 78° 50'  
Washburn

15' loc cele  
5,375  
0.61 W

5,375  
0.61 W  
2.50  
0.62 W

FILE NO. _____	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) <u>[Signature]</u> R.P.E. _____ L.L.S. 69	PLACE SEAL HERE
DRAWING NO. _____		
SCALE 1"=1000'		
MINIMUM DEGREE OF ACCURACY <u>1 in 200</u>		
PROVEN SOURCE OF ELEVATION <u>B.M. Reeses Mill</u>		

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS FORM IV-6 (8-78)	STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION	DATE <u>November 29</u> , 19 <u>85</u> OPERATOR'S WELL NO _____ API WELL NO. _____ <u>47 - 057 - 0090</u> STATE COUNTY PERMIT
	WELL TYPE: OIL _____ GAS <u>X</u> LIQUID INJECTION _____ WASTE DISPOSAL _____ (IF "GAS" PRODUCTION _____ STORAGE _____ DEEP <u>X</u> SHALLOW _____)	LOCATION: ELEVATION <u>655.45</u> WATER SHED <u>Patterson Creek</u> DISTRICT <u>Cabin Run</u> COUNTY <u>Mineral</u> QUADRANGLE <u>Headsville 394 065 NC2 Keyser</u>
PROPOSED WORK: DRILL <u>X</u> CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE <u>X</u> PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____	PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____	TARGET FORMATION <u>Keifer</u> ESTIMATED DEPTH <u>4,600' ±</u> WELL OPERATOR <u>WEVA Oil Corporation</u> DESIGNATED AGENT <u>Randall Lynch</u> ADDRESS <u>608 Main Street</u> ADDRESS <u>P.O. Box 181</u> <u>Hingham, Mass. 02043</u> <u>Creston, W. Va. 26141</u>



**RECEIVED**  
DEC 13 1985

1) Date: November 22, 1985  
 2) Operator's Well No. 1 - C. Hinkle  
 3) API Well No. 47 -057-0090  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep X / Shallow \_\_\_\_\_ /)
- 5) LOCATION: Elevation: 655.45 Watershed: Patterson Creek  
 District: Cabin Run 942 County: Mineral Quadrangle: Headsville
- 6) WELL OPERATOR WEVA Oil Corp. CODE: 53100 7) DESIGNATED AGENT Randall Lynch  
 Address 608 Main Street Address PO Box 181  
Hingham, Mass. 02043 Creston, WV 26141
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Donald Ellis Name Unknown at this time  
 Address 2604 Crab Apple Lane Address \_\_\_\_\_  
Fairmont, WV 26554
- 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, Keefer 583
- 12) Estimated depth of completed well, 4500 feet  
 13) Approximate strata depths: Fresh, 100 feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: No Coal 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		
Conductor	11-3/4				50	150	150	CTS by rule 15.05	
Fresh water	8-5/8	A	23.0	X		1000	1000	CTS	Sizes
Coal									
Intermediate									
Production	4-1/2	A	10.5	X		4500	4500	350 SK of as required above perforation by rule 15.01	
Tubing									Perforations
Lin...									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-057-0090 Date December 31 1985

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 December 31, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
ALB	ALB	MU	MU	102	MU	MU	

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

*[Signature]*  
 Director, Division of Oil and Gas

File



WR-35

**RECEIVED**  
MAY 26 1989

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

Date 5/22/89  
Operator's \_\_\_\_\_  
Well No. Hinkle # 1  
Farm Hinkle  
API No. 47 - 057 - 0090

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

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 \_\_\_ / Underground Storage \_\_\_ / Deep X / Shallow \_\_\_ /)

LOCATION: Elevation: 655.5 Watershed Paterson Creek  
District: Cabin Run County Mineral Quadrangle Headsville

COMPANY WEVA Oil Corp.  
ADDRESS 42 North St., Hingham, MA 02043  
DESIGNATED AGENT Randall Lynch  
ADDRESS P.O. Box 213, Creston, WV 26141  
SURFACE OWNER Charles J. Hinkle  
ADDRESS \_\_\_\_\_  
MINERAL RIGHTS OWNER Hinkle, etal (156.3pool)  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy  
ADDRESS 107 N. Walnut St., Philippi, WV  
PERMIT ISSUED 12/5/85  
DRILLING COMMENCED 3/4/86  
DRILLING COMPLETED 3/15/86  
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.			
13-10"			
9 5/8			
8 5/8	529	529	to ground level
7			
5 1/2			
4 1/2	4594	4594	125 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Kefer Depth 4450 feet

Depth of completed well 4594 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 3, 67, 120 feet; Salt \_\_\_\_\_ feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Kefer Pay zone depth 4450 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 5 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 1 hours

Static rock pressure 350 psig (surface measurement) after 48 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 **JUN 2 1989**

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

(Continue on reverse side)

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

PERFORATIONS - 17 SHOTS BETWEEN 4450'-4472'. Well was foam fraced.

Top hole pressure reached 4,000 psi. Frac job stoped

**RECEIVED**  
MAY 26 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SHALE			0	80	Fresh water 53'
SAND & SHALE			80	580	
SHALE			580	700	
SANDSTONE			700	720	
SHALE			720	1680	
ORISKANY SANDSTONE			1680	1700	
LIMESTONE			1720	1760	
SANDSTONE			1760	1870	
SHRIVER CHERT			1870	1990	
MANDATA SHALE			1990	2030	
COEYMANS LIMESTONE			2030	2090	
KEYSER LIMESTONE			2090	2430	
TONOLOWAY LIMESTONE			2430	3340	
WILLS CREEK			3340	3990	
WILLIAMSPORT SANDSTONE			3990	4030	Slight show/gas
LIMESTONE			4030	4315	
SHALE			4315	4448	
KEFFER			4448	4470	Slight show/gas
ROSE HILL			4470	4550	

(Attach separate sheets as necessary)

*Peter D. Lauer* - WESA Oil Corp.  
Well Operator

By: *Peter D. Lauer*

Date: 5/23/89

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."  
495

JUN 2 1989