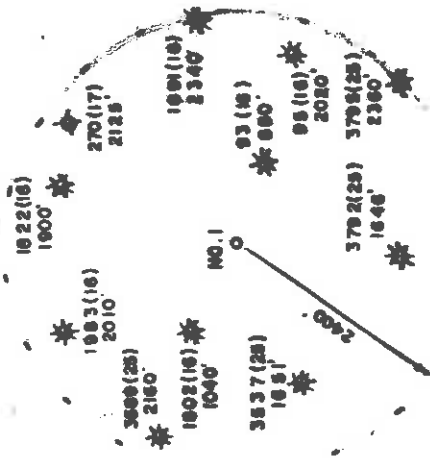


LATITUDE 37°12'30"

LONGITUDE 80°47'30"

5690'59"

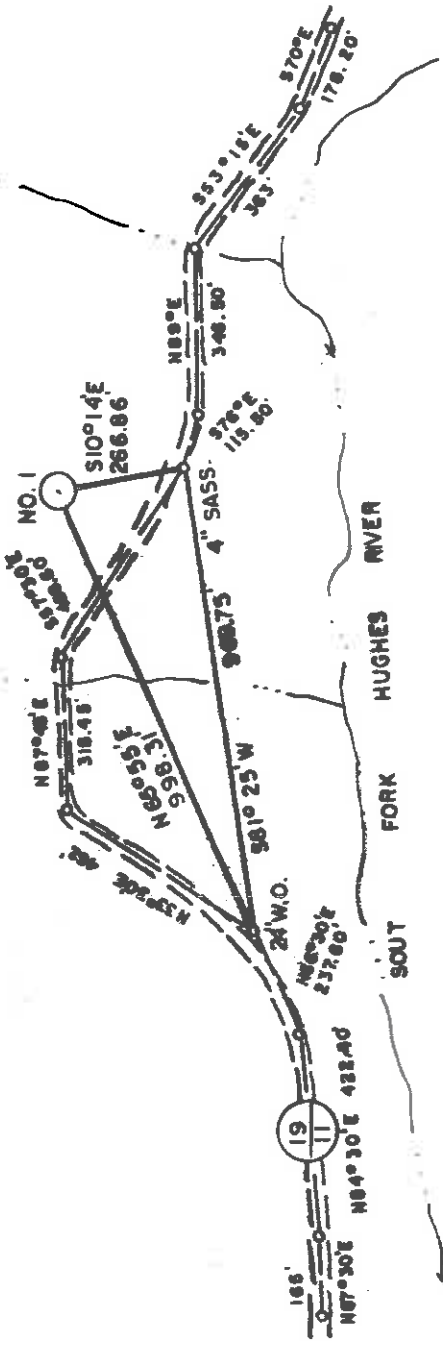
10.70 acres



W. B. MAXWELL  
2400 AC.

HOLT  
RUN

NORTH



SCHWARTZMAN

WELL REFERENCES:  
N67°W, 141.50' TO 4" W. OAK  
S37°E, 151.50' TO 6" W. OAK

LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018

58  
33.29

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF  
 ACCURACY 1 in 200  
 PROVEN SOURCE OF  
 ELEVATION EXIST. WELL 3537  
 ELEV. - 859'

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 REGU-  
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
 MENT OF ENERGY.  
 (SIGNED) \_\_\_\_\_  
 R.P.E. L.S. 674  
 STEPHEN D. LOSH

PLACE SEAL HERE



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION

DATE APRIL 05, 19 94  
 OPERATOR'S WELL NO. MAXWELL NO. 1  
 API WELL NO. \_\_\_\_\_

47 017 4/30  
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
 LOCATION: ELEVATION 952 WATER SHED SOUTH FORK HUGHES RIVER  
 DISTRICT SOUTH WEST COUNTY DODDRIDGE  
 QUADRANGLE OXFORD 7.5 min. LEASE ACRES 2400  
 SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE 4523.20  
 OIL & GAS ROYALTY OWNER W.B. MAXWELL LEASE ACRES 2400

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 ALEXANDER ESTIMATED DEPTH 500'  
 WELL OPERATOR UMC PETROLEUM CORP. DESIGNATED AGENT GREG SHOCKLEY  
 ADDRESS P.O. DRAWER 1738 4581 ADDRESS P.O. DRAWER 1738  
 CLARKSBURG, WV 26302-1736 CLARKSBURG, WV 26302-1738

JUN 3 1994

6-6 128

WR-35

API # 47-017-04130

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: SCHWARTZMAN, BEATRICE Operator Well No.: MAXWELL #1

LOCATION: Elevation: 952.00 Quadrangle: Oxford

District: Southwest County: Doddridge  
Latitude: 3775 Feet South of 37 Deg. 12 Min. 30 Sec.  
Longitude 5690 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: UMC PETROLEUM CORPORATION  
P.O. DRAWER 1738  
CLARKSBURG, WV 26301-1738

Agent: GREGORY A. SHOCKLEY

Inspector: MIKE UNDERWOOD  
Permit Issued: 06/01/94  
Well work Commenced: 06/10/94  
Well Work Completed: 06/16/94  
Verbal Plugging

Permission granted on: \_\_\_\_\_  
Rotary X Cable Rig \_\_\_\_\_  
Total Depth (feet) 5110'  
Fresh Water depths (ft) 15' damp, 47',  
130', 290' damp  
Salt water depths (ft) None

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 500'-604'

OPEN FLOW DATA

Balltown }  
Bradford } \*  
Benson/Riley }  
Producing formations Alexander } Pay zone depth (ft) 4919' - 4974'

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \* 900 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \*1150 psig (surface pressure) after \_\_\_\_\_ 24 \_\_\_\_\_ Hours

\* Co-mingled

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: UMC Petroleum Corporation

By: *[Signature]* /DISTRICT MANAGER

Date: 7-11-94

JUL 15 1994

Perforated Alexander from 4919' - 4974' with 16 shots. Broke down with 500 gals. 15% HCL. Fraced with gelled water with 200 scf N<sub>2</sub>/Bbl, 6,300# 80/100 sand and 35,000# 20/40 sand. Break = 2,850#, AIR = 32 BPM, ATP = 2,000#, ISIP = 1,400#.

Perforated Benson/Riley from 4211' - 4792' with 12 shots. Broke down with 750 gals. 15% HCL. Fraced with gelled water with 200 scf N<sub>2</sub>/Bbl, 6,300# 80/100 sand and 25,000# 20/40 sand. Break = 1,850#, AIR = 20 BPM, ATP = 2,800#, ISIP = 1,200#.

Perforated Bradford from 3493' - 3979' with 9 shots. Broke down with 500 gals. 15% HCL. Fraced with gelled water with 200 scf N<sub>2</sub>/Bbl, 6,300# 80/100 sand and 20,000# 20/40 sand. Break = 3,500#, AIR = 21 BPM, ATP = 2,900#, ISIP = 1,250#.

Perforated Balltown from 3024' - 3156' with 12 shots. Broke down with 500 gals. 15% HCL. Fraced with gelled water with 200 scf N<sub>2</sub>/Bbl, 9,500# 80/100 sand and 28,000# 20/40 sand. Break = 3,150#, AIR = 19 BPM, ATP = 3,000#, ISIP = 1,550#.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas		Depth	Remarks
					Or Water			
Clay & RR			0	15				
Sand			15	20			15'	
Sd & Sh			20	120			47'	1/2" stream
Sand			120	245			130'	2" stream
Sd & Sh			245	290				
Sand			290	300			290'	
Sd & Sh			300	600				
Coal			600	604				
Sd, Sh & RR			604	660				
Sd & Sh			660	790				
Sand			790	835				
Sd & Sh			835	1625				
Big Lime			1625	1695				
Sand			1695	1730				
Sd & Sh			1730	1900				
Sand			1900	2035				
Sd & Sh			2035	2920				
Sand			2920	2935				
Sd & Sh			2935	2995				
Sand			2995	3050				
Sd & Sh			3050	3565				
Sand <i>Bradford</i>			3565	3586				
Sd & Sh			3586	4540				
Sand			4540	4570				
Sd & Sh			4570	4590				
Sand			4590	4600				
Sd & Sh			4600	4620				
Sand <i>Benson</i>			4620	4630				
Sd & Sh			4630	4910				
Sand <i>Alex</i>			4910	5000				
Sd & Sh			5000	5110 TD				

Handwritten notes and scribbles at the bottom of the page.

MAY 16 94

FORM WW-2B

STATE OF WEST VIRGINIA  
DIVISION OF OIL AND GAS

Permitting  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

4587  
WELL WORK PERMIT (50410)

526  
Elevation: 952'

UMC Petroleum Corporation (50410)

Well Operator: Maxwell, #1

Operator's Well Number: Maxwell, #1 Gas  or Gas  Underground Storage Shallow

Well type: (a) Oil  Production  Underground Storage Shallow   
(b) If Gas: Deep  Deep  409

Proposed Target Formation(s): Alexander feet (From 47-017-0093)

Proposed Total Depth: 5110' None (From 47-017-0093)

Approximate fresh water strata depths: None (From 47-017-0093)

Approximate salt water depths: 296' Yes  No

Approximate coal seam depths: 296' tributary to active mine?

Approximate coal seam depths: 296' tributary to active mine? Yes  No

Does land contain coal seams tributary to active mine? Yes  No

Proposed Well Work: To drill and frac new well.

Proposed Well Work: To drill and frac new well.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		Fill-up (cu. ft.)	CTS By Hand
	Size	Grade	Weight per ft.	For Drilling	Left in well		
Conductor	16"	N/A	Used PE	40'	200'		385
Fresh Water	11 3/4"	Limited Service	32#	1100'	1100'		385
Coal	8 5/8"	J-55	24#		5110'		385
Intermediate	4 1/2"	J-55	10.5#				
Production							
Tubing							
Liners							

PACKERS: Kind \_\_\_\_\_ Sizes \_\_\_\_\_ Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only  
Reclamation Fund

Fee(s) paid: \_\_\_\_\_  
plat \_\_\_\_\_  
WW-9 \_\_\_\_\_ WW-2B \_\_\_\_\_

Permit  Reclamation Fund   
Bond  (Type)

19181

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

Permitting  
Office of Oil & Gas

1) Date: May 13, 1994  
2) Operator's well number  
3) Maxwell #1  
API well No: 47 - 017  
State - WV County - Lincoln

4)

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Surface Owner(s) to be served:  
(a) Name Beatrice Schwartzman  
Address 2520 30th Street NW  
Washington, D.C. 20008

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
Washington, D.C. 20008

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

(b) Coal Owner(s) with Declaration  
Name Beatrice Schwartzman  
Address 2520 30th Street NW  
Washington, D.C. 20008

(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

Inspector Mike Underwood  
Address Route 2, Box 135  
Salem, WV 26426  
Telephone (304) - 782-1043

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR section 8(d) of the information required by Chapter 22B, Article 1, have served copies of this notice under Chapter 22B of the West Virginia Code (see page 2) accompanying documents of this notice and application, a location plat, and

I certify that as required under Chapter 22B, Article 1, Personal Service (Affidavit attached) on the above named parties, by: \_\_\_\_\_  
 Certified Mail (Postmarked attached) \_\_\_\_\_  
Publication (Notice of Publication attached) \_\_\_\_\_

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all comments, and that based on my inquiry of those individuals immediately accessible for obtaining the information, I believe that the information I am aware of is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I believe that the information I am aware of is true, accurate, and complete.



By: Gregory A. Shockley  
District Manager/Designated Agent  
Address P.O. Drawer 1738  
Clarksburg, WV 26302

bed and sworn before me this 13th day of May, 1994  
Notary Public  
Commission expires April 21, 2003

ATTACHMENT to  
Form WW2-A  
Maxwell #1 Well

RECEIVED  
U.S. Bureau of  
Environmental Protection  
MAY 16 94  
Permitting  
Office of Oil & Gas

017-4130

Coal Owner:

James Horner Davis III  
William Maxwell Davis  
John Brent Maxwell  
Winifred M. Sawyer  
Jean M. Fowler  
Ruth M. Johnson Heirs  
c/o Union National Bank, AIF  
P.O. box 2330  
Clarksburg, WV 26301

