


FILE NO. _____
DRAWING NO. _____
SCALE 1 = 2000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION USGS B.M. PALACE VALLEY 2102; USGS AITON Quad

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) Wayne D. Horton
R.P.E. _____ L.L.S. 624
Horton Surveys + Consulting Inc.

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6 (8-78)
WELL TYPE: OIL ___ GAS LIQUEF. INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 2420' WATER SHED BUCKHANNON RIVER
DISTRICT MIDDLE FORK COUNTY RANDOLF
QUADRANGLE AITON QUAD SAGO SC
SURFACE OWNER COASTAL LUMBER ACREAGE 15,379
OIL & GAS ROYALTY OWNER EQUITABLE GAS LEASE ACREAGE 15,379
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 BENSON ESTIMATED DEPTH 3800'
WELL OPERATOR SENECA-UPSHUR PETROLEUM DESIGNATED AGENT JOSEPH HAGER
ADDRESS P.O. Box P BUCKHANNON, W.Va. 26201 ADDRESS P.O. Box P BUCKHANNON, W.Va. 26201



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE MARCH 31, 19 81
OPERATOR'S WELL NO. HUBERT 4
API WELL NO. _____
47 - 083 - 0451
STATE COUNTY PERMIT
*Issued w Error
Nally Upshur 2354*

MAY 11 1981



RECEIVED

State of West Virginia

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Department of Mines
Oil and Gas Division

Date November 19, 1981
Operator's
Well No. J.M. Huber #74
Farm _____
API No. 47 - 083 - 0451

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 ___ / Shallow X /)

LOCATION: Elevation: 2420' Watershed Buckhannon River
District: Middle Fork County Randolph Quadrangle Alton

COMPANY Seneca-Upshur Petroleum, Inc.
ADDRESS P.O. Drawer P, Buckhannon, WV 26201
DESIGNATED AGENT Seneca-Upshur Petroleum, Inc.
ADDRESS P.O. Drawer P, Buckhannon, WV 26201
SURFACE OWNER Coastal Lumber Company
ADDRESS Buckhannon, WV 26201
MINERAL RIGHTS OWNER Equitable Gas Company
ADDRESS 420 Blvd. of the Allies, Pitts., PA 15219
OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart
ADDRESS Jane Lew, West Virginia
PERMIT ISSUED 4/7/81
DRILLING COMMENCED 5/8/81
DRILLING COMPLETED 5/14/81

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	13	13	10
13-10"			
9 5/8			
8 5/8	847	847	210
7			
5 1/2			
4 1/2		3275	410
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4500' feet
Depth of completed well 3360 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 230', 910' feet; Salt _____ feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Fifth Sand Pay zone depth 1557 feet
Gas: Initial open flow Trace Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 78 Mcf/d Final open flow 0 Bbl/d

10 8 MCF Time of open flow between initial and final tests 2 hours
Static rock pressure 490 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

Second producing formation Benson Pay zone depth 3109 feet
Gas: Initial open flow Trace Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 30 Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 2 hours
Static rock pressure 490 psig (surface measurement) after 24 hours shut in

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

Hydraulic Frac

DATE: 6/11/81
 FRESH WATER: 552 EBLS.
 SAND: 60,000#

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NOV 24 1981

OIL AND GAS DIVISION
 DEPARTMENT OF MINES

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand			0	76	
Shale			76	107	
Sand			107	207	
Red Rock & Shale			207	410	
Sand, Shale, & Red Rock			410	577	
Monday			577	647	
Shale			647	692	
Big Lime			692	866	
Big Injun			866	949	
Sand & Shale			949	1152	
Gantz			1152	1184	
Sand & Shale			1184	1418	
Fourth Sand			1418	1474	
Sand & Shale			1474	1508	
Fifth Sand			1508	1509	
Sand & Shale			1509	1659	
Bayard			1659	1689	
Sand & Shale			1689	1925	
Speechley			1925	1975	
Sand & Shale			1975	2035	
Balltown			2035	2089	
Sand & Shale			2089	3081	
<u>Benson</u>			3081	3290	T.D.

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum, Inc.

Well Operator

By:

Date: November 19, 1981

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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J. M. Huber #74
API Well No. 47-083 0451
State County Perm

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage Deep Shallow

LOCATION: Elevation: 2420' Watershed: Buckhannon River
District: Middle Fork County: Randolph Quadrangle: Alton

WELL OPERATOR Seneca-Upshur Petroleum, Inc.
Address P. O. Drawer "P"
Buckhannon, West Virginia 26201

DESIGNATED AGENT Operator
Address _____

OIL & GAS ROYALTY OWNER Equitable Gas Company
Address 420 Blvd. of the Allies
Pittsburgh, Pa. 15219
Acreage 15,379

COAL OPERATOR C NONE
Address _____

SURFACE OWNER Coastal Lumber Company
Address Buckhannon
West Virginia 26201
Acreage 15,379

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name J. M. Huber Corporation
Address Marysville
Tennessee

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD
Name _____
Address APR - 7 1981

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Stewart
Address Jane Lew, West Virginia
884-7782

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed #28 / lease / other contract / dated 12/1, 1927, by undersigned well operator from _____

[If said deed, lease, or other contract has been recorded:]

Recorded on 1/6, 1928, in the office of the Clerk of the County Commission of Upshur County, West Virginia, in _____ Book 129 at page 200. A permit is hereby granted to _____

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1414 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (204) 388-3000

Seneca-Upshur Petroleum, Inc.
Well Operator

By [Signature]
Its Vice President

PERMIT BOND

