

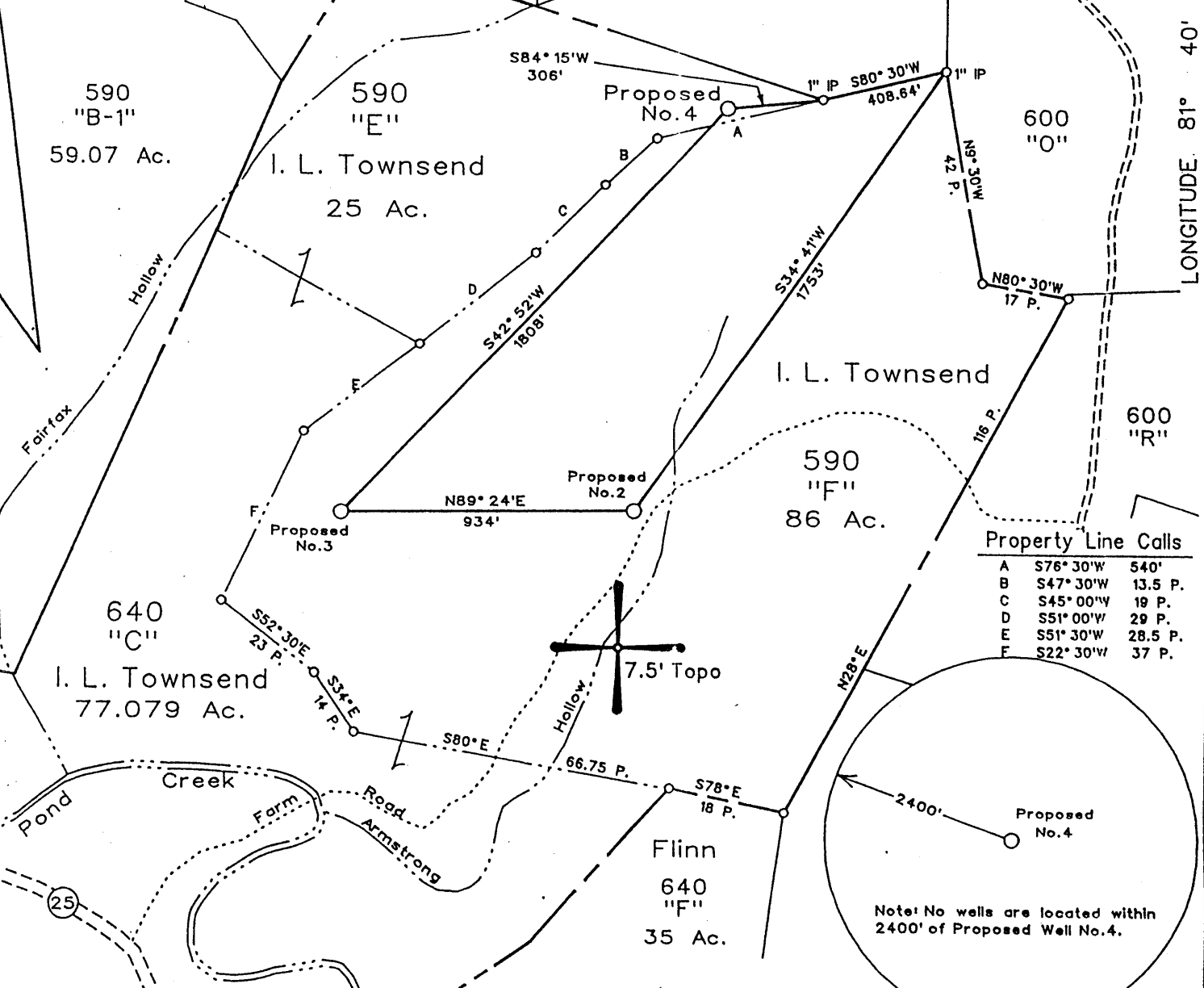
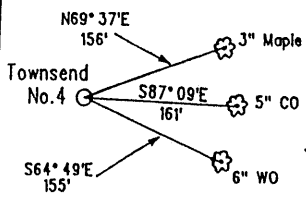
7,550'

LATITUDE 39° 07' 30"

LONGITUDE 81° 40' 00"

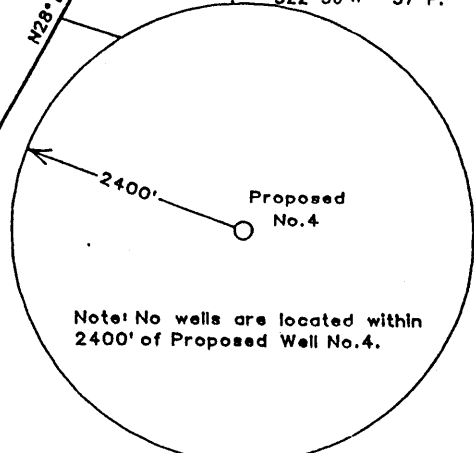
10,950'

Location References



Property Line Calls

A	S76° 30' W	540'
B	S47° 30' W	13.5 P.
C	S45° 00' W	19 P.
D	S51° 00' W	29 P.
E	S51° 30' W	28.5 P.
F	S22° 30' W	37 P.

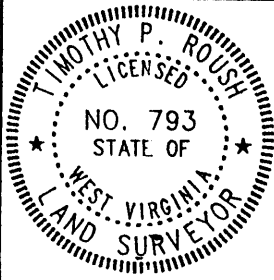


(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 105-04
 MAP NO. 2W N S23E W60
 SCALE 1"-500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Flinn No. 3
(47-107-1288) - 600'

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) Timothy P. Roush
 TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA
 DIVISION OF ENERGY
 OIL AND GAS SECTION



DATE January 10, 19 97
 FARM I.L. Townsend NO. 4
 API WELL NO. 47-107-1681

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 850' WATERSHED Pond Creek
 DISTRICT Harris COUNTY Wood
 QUADRANGLE Pond Creek 7.5'
 SURFACE OWNER I.L. Townsend ACREAGE 212.20 Ac.
 OIL & GAS ROYALTY OWNER I.L. Townsend LEASE ACREAGE 212.20 Ac.
 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 Devonian Shale ESTIMATED DEPTH 3,850'
 WELL OPERATOR H.D. Wells DESIGNATED AGENT H.D. Wells
 ADDRESS Oil & Gas Exploration ADDRESS P.O. Box 1785
P.O. Box 1785, Chas. WVa. Charleston, WVa.

AUG 01 2003

6-6 Harting (255)

WOOD 1891 0000

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

1213

Farm name: TOWNSEND Operator Well No.: 4

LOCATION: Elevation: 850' Quadrangle: POND CREEK

District: HARRIS County: WOOD
Latitude: 7550 Feet South of 39 Deg. 07 Min. 30 Sec.
Longitude 10950 Feet West of 81 Deg. 40 Min. 00 Sec.

Company: H D WELLS OIL & GAS EXP & DEV INC

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: PO BOX 1785 CHARLESTON, WV 25326	9 5/8	515	515	145 SKS. CIRC TO SURFACE
Agent: H. D. WELLS, III	7	2122	2122	179 SKS. CIRC TO SURFACE
Inspector: LARRY PARRISH				
Date Permit Issued: 07/29/03	4 1/2	3982	3982	93 SKS 1000' FILL UP
Date Well Work Commenced: 09/25/03				
Date Well Work Completed: 10/03/03	2 3/8	3838	3838	
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Depth (feet): 4012				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): 1620				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation DEVONIAN SHALE Pay zone depth (ft) 2763-3893
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow -- Bbl/d
Final open flow 230 MCF/d Final open flow -- Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 350 psig (surface pressure) after 42 Hours

Second producing formation ----- Pay zone depth (ft) -----
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 pressure) after ----- Hours

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 WELL BORE.

Signed: *H. D. Wells, III*
By: H. D. Wells, III
Date: 11/25/03

Office of Oil and Gas
Office of Chief
NOV 26 2003
Department of Environmental Protection
JAN 9 2004

WOOD 1681

FRAC JOB: 2,500,000 SCF N²
1000 GAL. HCL - 15%

2958-3526 24 HOLES
3564-3896 25 HOLES

SAND	0	316
SHALE	316	333
SAND	333	414
SHALE	414	1089
SAND & SHALE	1089	1151
SHALE	1151	1554
SAND	1554	1691
Big LIME	1691	1736
SAND (INJUN)	1736	2198
SHALE	2198	2202
SAND	2202	2405
SHALE	2405	4012 TOTAL DEPTH

base L Hun -3000 3850

[Handwritten scribble]