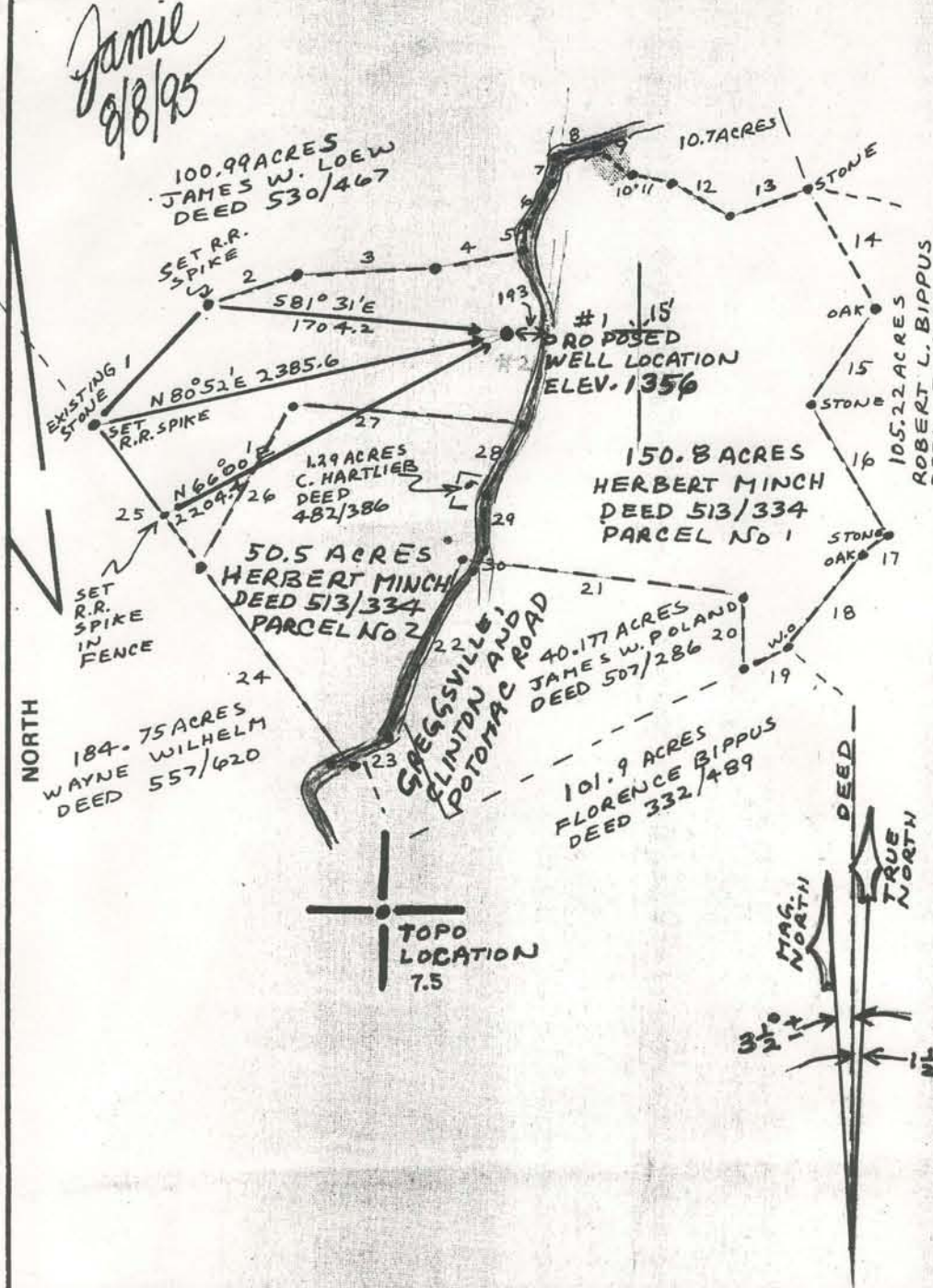


Jamie
8/8/95

11,400'

LATITUDE 40°10'



LINE NO.	BEARING	DISTANCE
1	N 43° 35' E	931
2	N 71° 30' E	518
3	S 87° 00' E	763.5
4	N 79° 15' E	504.5
5	N 10° 45' E	145.5
6	N 31° 00' E	270.0
7	N 9° 15' E	145.5
8	N 78° 15' E	247
9	S 20° 45' E	219
10	N 71° 00' E	103.5
11	S 78° 45' E	245.5
12	S 60° 15' E	387.0
13	N 70° 00' E	478.5
14	S 29° 45' E	777.5
15	S 34° 45' W	644
16	S 30° 45' E	867.5
17	S 55° 00' W	189
18	S 38° 45' W	668
19	S 63° 30' W	280
20	N 2° 00' W	410
21	N 82° 30' W	1588
22	N 22° 50' E	1077
23	N 64° 30' E	361
24	S 37° 00' E	1400
25	N 37° 00' W	995
26	S 29° 30' W	1019
27	N 85° 15' W	1300
28	N 27° 15' E	460.5
29	N 1° 15' E	333.5
30	N 22° 30' E	113.4

LONGITUDE 80° 32' 30"

10,400'

WATER FOR MINCH'S AND LOEW'S HOUSES COMES FROM SPRINGS

FILE NO. 80-5619
 DRAWING NO. 80-5619-D
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION HILLTOP 1364
 AND INTERSECTION 1382 ON BETHANY TOP

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) Henry M. Parsons
 R.P.E. _____ L.L.S. 98



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)

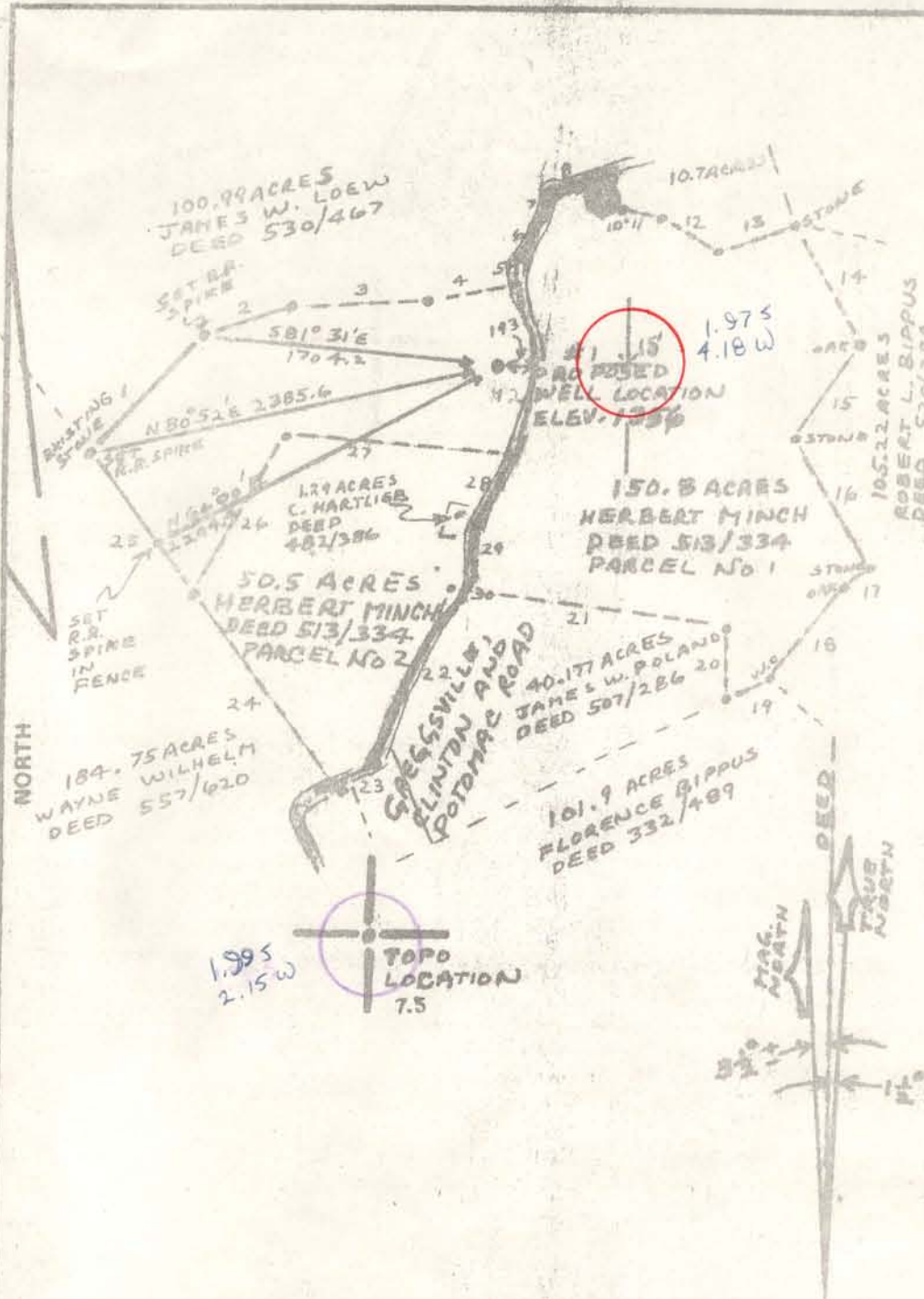


DATE MARCH 7, 1980
 OPERATOR'S WELL NO. MINCH #1
 API WELL NO. 47-069-00030-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1356 WATER SHED WEIDMAN RUN
 DISTRICT LIBERTY COUNTY OHIO
 QUADRANGLE BETHANY 7.5 WHEELING 15'
 SURFACE OWNER HERBERT MINCH ACREAGE 200
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 200
 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 WARREN ESTIMATED DEPTH 3600
 WELL OPERATOR HADDAD AND BROOKS INC DESIGNATED AGENT HENRY PARSONS AUG 11 1995
 ADDRESS 714 WASHINGTON RD. ADDRESS 121 GLENVILLE DRIVE
WASHINGTON, PA 15301-1153 NEW MARTINSVILLE, WV 26155

LATITUDE $40^{\circ}10'$



LINE NO.	BEARING	DISTANCE
1	N 42° 58' E	931
2	N 71° 30' E	578
3	S 87° 00' E	768.2
4	N 79° 15' E	504.5
5	N 10° 45' E	145.2
6	N 31° 00' E	2760
7	N 71° 15' E	1355
8	N 78° 15' E	247
9	S 26° 45' E	214
10	N 71° 00' E	103.5
11	S 78° 15' E	242.5
12	S 40° 15' E	387.0
13	N 70° 00' E	178.5
14	S 29° 15' E	777.5
15	S 34° 45' W	694
16	S 30° 45' E	807.5
17	S 33° 00' W	187
18	S 38° 45' W	688
19	S 58° 30' W	250
20	N 2° 00' W	410
21	N 81° 30' W	877
22	N 22° 50' E	1077
23	N 81° 30' E	381
24	S 37° 00' E	1460
25	N 37° 00' W	995
26	S 29° 30' W	1019
27	N 83° 15' W	1300
28	N 25° 15' E	4545
29	N 71° 15' E	3328
30	N 41° 30' E	113.4

LONGITUDE $80^{\circ}32'30''$

40 0.81
80 34 40

WATER FOR MINCH'S AND LOEW'S HOUSES COMES FROM SPRINGS

FILE NO. 80-5619
DRAWING NO. 80-5619-D
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1 IN 2500
PROVEN SOURCE OF ELEVATION HILLTOP 1364 AND INTERSECTION 1382 ON BETHANY TOPS

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) Henry M. Parsons
R.P.E. _____ L.L.S. 9B



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6 (8-78)



DATE MARCH 7 1980
OPERATOR'S WELL NO. MIRCH 21
API WELL NO. 069
47 - OHIO - 0030
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1356 WATER SHED WEIDMAN RUN
DISTRICT LIBERTY COUNTY OHIO
QUADRANGLE BETHANY 7.5 WHEELING 15' 9C

SURFACE OWNER HERBERT MINCH ACREAGE 200
OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 200
LEASE NO. _____

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 WARREN ESTIMATED DEPTH 3600
WELL OPERATOR HADDAD AND BROOKS INC DESIGNATED AGENT HENRY PARSONS
ADDRESS 905 WASHINGTON Rd. ADDRESS 121 GRANVILLE DRIVE
WASHINGTON, PA 15301 NEW MARRIOTT, PA 16135



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary _____ Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Bethany 7.5 Minute

Permit No. 47-069-0030

dry w/ gas show

Company Haddad & Brooks
Address 905 Washington Rd, Washington, PA
Farm Herbert Minch Acres _____
Location (waters) Weidman Run
Well No. 1 Elev. 1356'
District Liberty County Ohio
The surface of tract is owned in fee by above

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond.			
11 3/4"	40'	All	
9 5/8			
8 5/8	1108'	All	175 sks Lite 4% Cac
7			50 sks Neat
5 1/2			
4 1/2	2453'	All	150 sks Thixo-tropic
3			
2			
Liners Used			

Address _____
Mineral rights are owned by above & Windsor Power-house Coal Co
Address Short Creek, Wheeling, WV
Drilling Commenced 4/6/80
Drilling Completed 4/11/80
Initial open flow 0 cu. ft. --- bbls.
Final production 12M cu. ft. per day --- bbls.
Well open NA hrs. before test NA RP.

Well treatment details:

Attach copy of cementing record.

9/5/80 Perforations - 2257-2333 16 holes Frac with 1214 barrels of water
15,000# 80/100 mesh sand and 49,000# 20/40 mesh sand. 15 MCF N₂.

Coal was encountered at Pittsburgh 640 Feet _____ Inches _____
Fresh water 100 Feet _____ Salt Water 1545 Feet _____
Producing Sand Welsh Stray, Berea Depth 2255-2284, 2323-2337

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
SH, Slst, SS, Coal	Red, Gy, Wh, Blk.	S-H	0	1509'	SG 800' plus HFW	
SS	WH	S	1509'	1551'	Salt Sand HFW	
SH	Dk Gy- Med Gy.	S	1551'	1633'		
LS	Tan, Wh, Lt Br.	H	1633'	1678'	Greenbrier, Very Fossiliferous	
SS	Wh	S	1678'	1967'	Big Injun	
SH, Slst	Lt Gy- Med Gy.	S-H	1967'	2255'		
Slst	Lt Gy- Med Gy.	H	2255'	2288'	Welsh Stray	
SH	Lt Gy- Med Gy.	S	2288'	2320'		
SS	Lt Gy-Wh.	H	2320'	2337'	Berea	
SH, Slst	Lt Gy- Med Gy.	S-H	2337'	2745'		
Slst	Lt Gy	H	2745'	2758'	Gordon	
SH, Slst	Med Gy- Lt Gy.	S-H	2758'	3269'		
Sndy, Slst		H	3269'	3300'	<u>Warren</u>	

RECEIVED
OCT 14 1980

DEPT. OF MINES

over

OCT 28 1980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
1, Slst	Lt Gy Med Gy.	S-H	3300'	3503' L.T.D.		Plug back T.D. 2455'.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Permit No. 47-012-0030
Geological Bethany, 7.5 Minutes

Return _____
Lubricant _____
Casing _____
Cement _____
Water _____
Storage _____
Disposal _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
21, Slst, ss	Red, Gy.	S-H	0	1509		30' 00' plus HW
Coal	Blk. blk.			1507		Salt sand HW
ss	Wh	S	1507	1521		
ss	Gr Gy.	S	1521	1633		
ss	Med Gy.			1678		Greenish, Very fossiliferous
ss	tan, Wh.	H	1678	1677		Big lumps
ss	Lt Br.	S	1677	1678		
2H, Slst	Lt Gy.	S-H	1678	2523		
Slst	Med Gy.			2523		
Slst	Lt Gy.	H	2523	2588		Welsh Stacy
ss	Med Gy.	S	2588	2620		
ss	Lt Gy.	S	2620	2688		
ss	Med Gy.	H	2688	2737		Heras
2H, Slst	Lt Gy.	S-H	2737	2745		
Slst	Med Gy.	H	2745	2787		Gordon

Well treatment details:
9/2/80 perforations - 2257-2333. 10 inches free with 1 1/2 barrels of water.
12,000 gal 80/100 mesh sand and 4,000 gal 20/40 mesh sand. 15 WCF W.

Producing Sand Welsh Stacy, Bates
Fresh water 100 feet
Coal was encountered at Pittsburgh 450 feet
Depth 2257-2384, 2587-2337
Salt Water 1452 feet

OCT 28 1980
DEPT. OF MINES
OCT 28 1980

Date October 9 1980
APPROVED: Haddad & Brooks, Inc. Owner
By: Michael J. Hadden

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. #1 H. Minch
API Well No. 47 - 069 - 0030
State County Permit

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

LOCATION: Elevation: 1356' Watershed: Weidman Run
District: Liberty County: Ohio Quadrangle: Bethany

WELL OPERATOR Haddad & Brooks, Inc.
Address 905 Washington Road
Washington, PA 15301

DESIGNATED AGENT Henry M. Parsons
Address 121 Glenville Drive
New Martinsville, WV 26155

OIL & GAS
ROYALTY OWNER Herbert P. Minch et ux
Address RD #2, Box 179
West Alexander, PA 15376

COAL OPERATOR Windsor Power House Company
Address Short Creek
Wheeling, WV 26003

Acreage _____
SURFACE OWNER Herbert P. Minch et ux
Address RD #2, Box 179
West Alexander, PA 15376
Acreage 200.00

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Windsor Power House Coal Co. (Pgh. #8)
Address Short Creek
Wheeling, WV 26003
Name Herbert P. Minch (all other coal)
Address RD #2, Box 179
West Alexander, PA 15376

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

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Tracy
Address Dodge Street
Middlebourne, WV 26149

MAR 14 1980

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated 7-23, 19 79, to the undersigned well operator from Herbert P. Minch and Carol Minch.

If said deed, lease, or other contract has been recorded: []
Recorded on 8-16-, 19 79, in the office of the Clerk of the County Commission of Ohio county, West Virginia, in Deed Book 591 at page 454. A permit is requested as follows:

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 at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOLOGICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
115 WASHINGTON STREET EAST
CHARLESTON, WV 25311

Haddad and Brooks, Inc.

Well Operator

By

S. L. Brooks

Its S. L. Brooks, Vice President

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-39 UPON COMPLETION.

DRILLING CONTRACTOR (IF KNOWN) Union Drilling, Inc.
Address P.O. Drawer 40
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Warren

Estimated depth of completed well, 3600 feet Rotary X / Cable tools _____

Approximate water strata depths: Fresh, 50 feet; salt, 1800 feet.

Approximate coal seam depths: 600' Pgh. Is coal being mined in the area: Yes / No

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									Kinds
Fresh water	11 3/4"		42#	X		60'	60'		
Coal									Sizes
Intermediate	8 5/8"		22#	X		1000'	1000'	Cemented to surface	
Production	4 1/2"	K-55	9.5#	X		3600'	3600'	Cement as needed	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-1-80.

[Signature]

Deputy Director - Oil & Gas Division

This permit shall be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

W A I V E R

The undersigned coal operator / owner / lessee of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

By _____
Its _____

BARRETT BOWEN

R-58
3-Aug-95
REC-114
ENVIRONMENTAL PROTECTION
SEP 25 1995

API # 47- 69-00030-P

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

Permitting
Office of Oil & Gas

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: MINCH, HERBERT Operator Well No.: Herbert Minch 1

LOCATION: Elevation: 1,356.00 Quadrangle: BETHANY
District: LIBERTY County: OHIO
Latitude: 10420 Feet South of 40 Deg. 10 Min. 0 Sec.
Longitude 11400 Feet West of 80 Deg. 32 Min. 30 Sec.

Well Type: OIL _____ GAS

Company: Haddad & Brooks, Inc.
P.O. Box 714
Washington, PA 15301

Coal Operator Valley Camp Coal Co.
or Owner P.O. Box 900
Oil City PA 16301

Agent: Henry M. Parsons

Coal Operator Windsor Coal Co.
or Owner P.O. Box 39
West Liberty WV 26074

Permit Issued: 08/08/95

STATE OF ~~PENNSYLVANIA~~
County of ~~WASHINGTON~~

AFFIDAVIT Coal Owner: Herbert & Carol Minch
RD 2, Box 179
Valley Grove WV 26060

ss: Jerry J. Hopkins H&B, Inc. and Don Haddad, Omega Cementing Co. being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and * Randal Mick Oil and Gas Inspector representing the Director, say that said work was commenced on the 5th day of September, 1995, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement 31 sxs	2230	1830'	0' 8 ⁵ / ₈ "	1108' 8 ⁵ / ₈ "
6% gel	1830	1355'		
Cement 90 sxs	1355	1055'	1355' 4 ¹ / ₂ "	1098' 4 ¹ / ₂ "
6% gel	1055	750'		
8 ⁵ / ₈ " Vent (empty)	750	0'	2260' 2 ³ / ₈ "	0' 2 ³ / ₈ "

Description of monument: 6' x 2" Vent w/ API #
and that the work of plugging and filling said well was completed on the 6th day of September, 1995.

And further deponents saith not.

Omega Cementing Co. by Don Haddad
Jerry J. Hopkins
Paula Dugley
Notary Public
SEP 29 1995

Sworn and subscribe before me this 6th day of September, 1995
My commission expires: 10/4/96

Oil and Gas Inspector: Randal Mick

* Inspector notified but was not present during plugging operations.