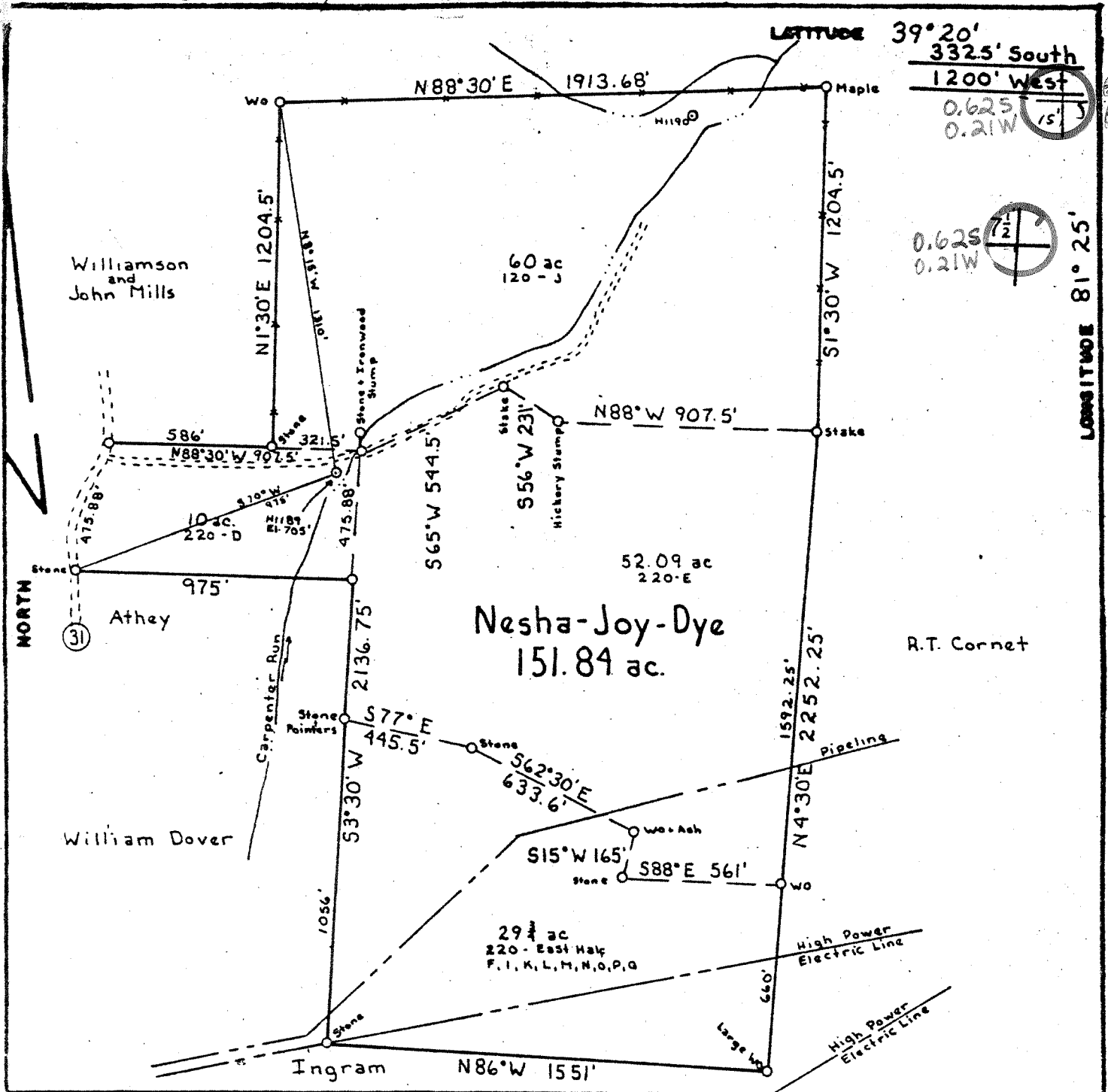


Card 2012/12



LATITUDE 39° 20' 33.25" South
1200' West
0.625
0.21W

0.625
0.21W

LONGITUDE 81° 25'

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION BM 792'

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) *William L. Massol*
R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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



DATE 10 Dec. 1980
OPERATOR'S WELL NO. H-1189
API WELL NO. 47-107-1118
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 705' WATER SHED Carpenter Run
DISTRICT Union COUNTY Wood
QUADRANGLE Valley Mills, W. Va. 72' Quad Marietta M 7 15-1 SW
SURFACE OWNER Donald E. Fleming ACREAGE 10
OIL & GAS ROYALTY OWNER Nesha-Joy-Dye LEASE ACREAGE 151.84
LEASE NO. _____
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON _____ CLEAN OUT AND REPLUS _____
TARGET FORMATION Shale ESTIMATED DEPTH 4000'
WELL OPERATOR Haught, Inc. DESIGNATED AGENT Warren Haught
ADDRESS Smithville, W. Va. 26178 ADDRESS Smithville, W. Va. 26178

JAN 13 1981

6-6 Waverly 71

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

RECEIVED

AUG 11 1982.

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

WELL OPERATOR'S REPORT
OF
DRILLING, FRACURING 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: 705' Watershed: Carpenter Run
District: Union County: Wood Substrangle: Valley Mills, WV

WELL OPERATOR Haught, Inc. DESIGNATED AGENT Warren R. Haught
Address 4424 Emerson Avenue Address 4424 Emerson Avenue
Parkersburg, WV 26104 Parkersburg, WV 26104

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

PERMIT ISSUED ON December 17, 19 80 OIL & GAS INSPECTOR FOR THIS WELL:
(IF APPLICABLE: PLUGGING OF DEEP HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Deo Mace
Address Rt. 1 Box 5
Sandridge, WV 25274

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth _____ feet
Depth of completed well, 4536 feet Rotary X / Cable Tools _____
Water strata depth: Fresh, 75 feet; salt, _____ feet.
Coal seam depths: None Is coal being mined in the area? NO
Work was commenced July 16, 1981, and completed August 8, 19 81

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT PLUGS OR SACKS (Cubic Feet)	REMARKS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Hands
Fresh water	10-3/4			X		260	260	100 sacks
Coal								Sizes
Intermediate								
Production	7"			X			2038	140 sacks Cement set
Tubing								
Liners								Perforations:
								Top
								Open Hole
								Completed

OPEN FLOW DATA

Producing formation upper Devonian Shale + Huron Pay zone depth 2038 -- 4536
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 260 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 8 hours
Static rock pressure, 480 psig (surface measurement) after 12 hours shut in

[If applicable due to multiple completion--]

Second producing formation _____ Pay zone depth _____
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 measurement) after _____ hours shut in

AUG 22 1982

DETAILS OF PERFORATED INTERVALS, FRACTURING OF COAL SEAMS, PHYSICAL CHANGE, ETC.

Nitrogen fraced by B.J. Hughes
720,000 SCF

Open Hole Completion

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	REMARKS Including indication of all fresh and salt water, gas, etc. and gas
Weir			1948	1960	
Berea			2032	2036	
Gantz			2111	2120	
50 Ft.			2260	2270	
Gordon			2374	2402	
Warren			2927	2932	
Tiona			3160	3168	
Speechley			3333	3347	
Balltown			3438	3443	
Riley			3752	3760	
Benson			3990	4006	
Huron - deepest fm.				4536 -	T.D.

(Attach separate sheets as complete as necessary.)

Haught, Inc.

Well Operator

By Beth A. Wilson

Well Administrative Agent

REG. Regulation 2.3211 provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologic record of all formations, including gas, encountered in the drilling of a well."

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil X / Gas X /
(If "Gas", Production X / Underground storage _____ Deep _____ Shallow X /)
LOCATION: Elevation: 705' Watershed: Carpenter Run
District: union County: Wood Quadrangle: Valley Mills Wv 7 1/2'

WELL OPERATOR Haught, Inc. DESIGNATED AGENT Warren R. Haught
Address Route 3, Box 14 Address Smithville, WV 26178
Smithville, WV 26178

OIL & GAS ROYALTY OWNER Nesha - Joy - Dye COAL OPERATOR None
Address 720 Sixth Street Address _____
Marietta, Ohio 45750

ACREAGE 151.84 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Donald Fleming Name _____
Address St. Marys, WV 26170 Address _____
ACREAGE 10 Name _____

FIELD SALE (IF MADE) TO:
Name Consolidated Gas Supply Corp. Address _____
Address 445 West Main St. Address _____
Clarksburg, WV 26301 Name _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name K. Paul Goodnight Address _____
Address Smithville, WV 26178

RECEIVED
DEC 12 1980
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 _____ / lease X / other contract _____ / dated January 16, 19 80, to the undersigned well operator from S. B. Nesha & S. F. Nesha and Clarence A. Joy
[If said deed, lease, or other contract has been recorded:]

Recorded on January 29 19 80, in the office of the Clerk of the County Commission of Wood County, West Virginia, in Deed Book 733 at page 319. A permit is requested as follows:

PROPOSED WORK: Drill X / 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
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Haught, Inc.
Well Operator
By Warren R. Haught
President

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Haight, Inc.
Address Smithville, WV 26178

GEOLOGICAL TARGET FORMATION, Shale

Estimated depth of completed well, 4000' feet Rotary / Cable tools

Approximate water strata depths: Fresh, 75' feet; salt, feet.

Approximate coal seam depths: None 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								<i>to surface</i>	Kinds
Fresh water	8 5/8	K-55	20#	X		200'	200'	75 sacks	
Coal									Sizes
Intermediate									
Production	4 1/2	J-55	10.5#	X			4000'	400 sacks or	Depths set
Casing								<i>as req'd by rule 15.01</i>	Perforations:
Liners									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 dwelling 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 is noted as such on the Form IV-2 filed 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 8-17-81

J. H. Haggerty
Deputy Director - Oil & Gas Division

The following waiver must 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.

Date: , 19

By
Its