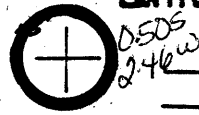


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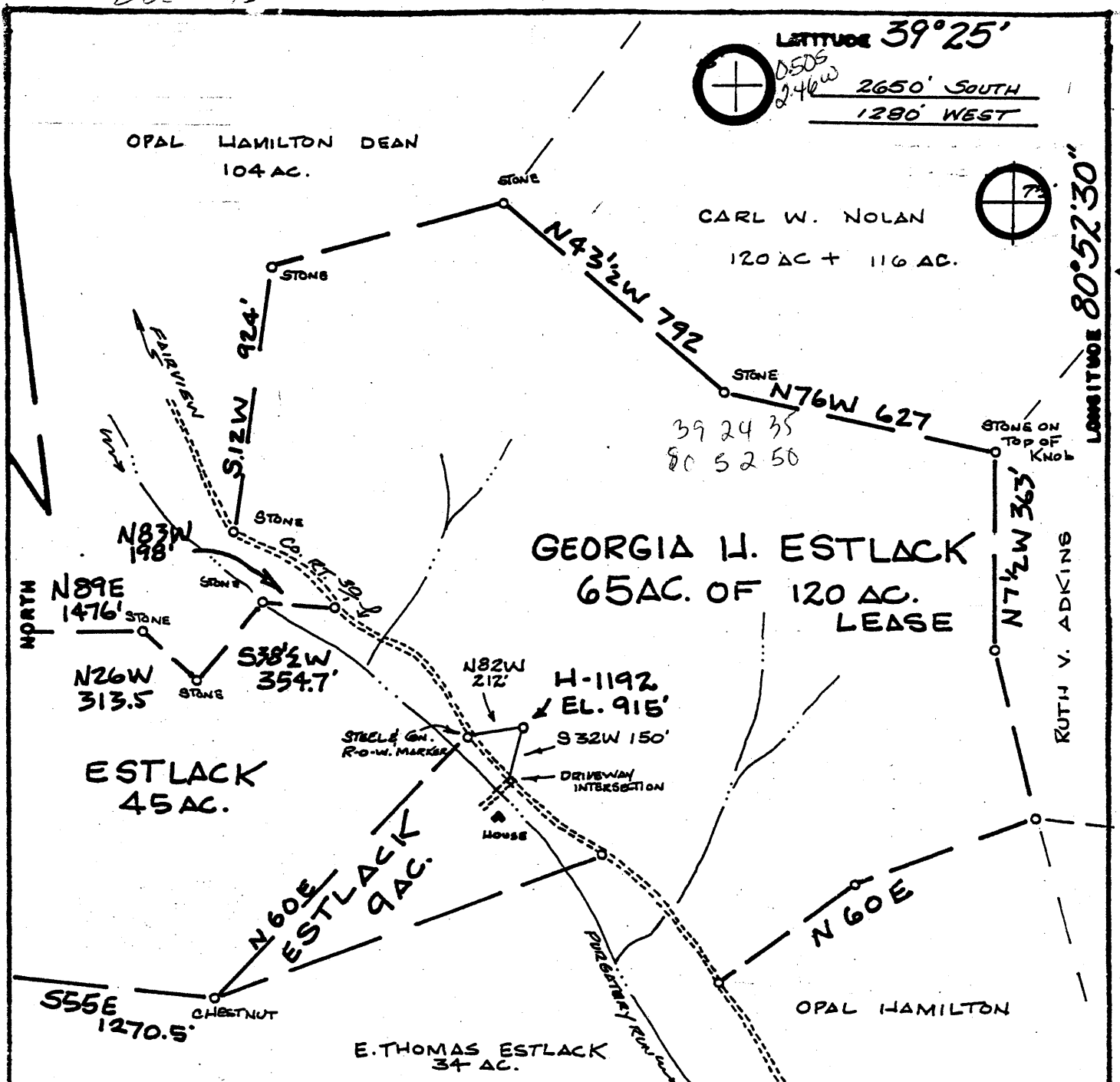
LATITUDE 39°25'



2650' SOUTH
1280' WEST



LONGITUDE 80°52'30"
80°50'



FILE NO. _____
DRAWING NO. _____
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1:200'
PROVEN SOURCE OF ELEVATION ROAD INT. 1155'

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 R. 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 30 DEC. 1980
OPERATOR'S WELL NO H-1192
API WELL NO 47-095-0897
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 915' WATER SHED PURGATORY RUN
DISTRICT CENTERVILLE COUNTY TYLER
QUADRANGLE MIDDLEBOURNE 7 1/2' QUAD WU 15C
SURFACE OWNER THOMAS ESTLACK ACREAGE 65
OIL & GAS ROYALTY OWNER GEORGIA H. ESTLACK LEASE ACREAGE 120
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 R. HAUGHT
ADDRESS SMITHVILLE, WVA. 26178 ADDRESS SMITHVILLE, WVA. 26178

6-6 Bearsville (366)

JAN 26 1981

(Obverse)
[06-78]

JUL 18 1981

Operator's
Well No. H-1192
API Well No. 47 - 095 - 0897
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL & GAS DIVISION
DEPT. 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: 915' Watershed: Purgatory Run
District: Centerville County: Tyler Quadrangle: Middlebourne, WV 7 1/2

WELL OPERATOR Haight, Inc. Georgia Estlack H-1192
Address Rt. 3 Box 14 DESIGNATED AGENT Warren R. Haight
Smithville, WV 26178 Address Smithville, WV 26178

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 January 9, 19 81 , OLD & GAS INSPECTOR FOR THIS WORK:
Name Phillip L. Tracy
Address P.O. Box 173
Middlebourne, WV 26149

GEOLOGICAL TARGET FORMATION: Big Injun & Weir Depth 1856-1995
2190-2391 feet
Depth of completed well, 2425 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, ___ feet; salt, ___ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced April 6, 19 81, and completed April 10, 19 81

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		
Conductor								Kinds
Fresh water	8-5/8	K-55	20#	X		522'	522'	100 sacks
Coal								Sizes
Intermediate								
Production	4 1/2"	J-55	10.5#	X		2400'	2400'	170 sacks
Tubing								Design set
Liners								Perforations:
								Top Bottom
								1867 2385

OPEN FLOW DATA

Producing formation Big Injun & Weir Pay zone depth 1856-1995
2190-2391 Weir feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d
Final open flow, 50 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, 8 hours
Static rock pressure, 100 psig (surface measurement) after 12 hours shut in
[If applicable due to multiple completions--]
Second producing formation _____ Pay zone depth _____ feet
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

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

Hydra fraced by Halliburton -- 800 Bbl. Water
 1000 Gallon Acid -- 52,000 Lbs. 20/40 Mesh Sand -- 16,000 Lbs. 80/100 Mesh Sand

Perforations: 22--1867--1987
 18--2200--2385

WELL LOG

FORMATION	Color	Hard, or Soft	Top Feet	Bottom Feet	Remarks Including indication of all f and salt water, coal, oil and
Surface Pipe			0	522	
Slate			522	704	
Sand			704	709	
Slate			709	785	
Red Rock			785	792	
Slate			792	898	
Red Rock			898	966	
Sand			966	973	
Slate			973	1010	
Sand			1010	1030	
Slate			1030	1070	
Sand			1070	1137	
Slate			1137	1180	
Sand			1180	1231	
Slate			1231	1245	
Sand			1245	1260	
Sand/Slate			1260	1293	
Slate			1293	1340	
Sand			1340	1360	
Slate			1360	1420	
Sand			1420	1489	
Slate			1489	1572	
Sand			1572	1632	
Slate			1632	1730	
Sand			1730	1741	
Slate			1741	1754	
L. Lime			1754	1768	
Slate			1768	1784	
B. Lime			1784	1856	
Injun Sand			1856	1995	
slate			1995	2015	
Sand			2015	2030	
Slate			2030	2070	
Sand			2070	2100	
Slate			2100	2117	
Sand			2117	2160	
Slate			2160	2167	
Sand			2167	2179	
Slate			2179	2190	
Sand			2190	2300	
Slate			2300	2325	
Sand/Slate			2325	2357	
Slate			2357	2391	
Sand			2391	2397	
Slate			2397	2425	T.D.

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."

Haught, Inc.
 Well Operator
 By Walter R. Haught
 Its President

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: 915' Watershed: Purgatory Run
District: Centerville County: Tyler Quadrangle: Middlebourne, WV 71

WELL OPERATOR Haught, Inc.
Address Route 3, Box 14
Smithville, WV 26178

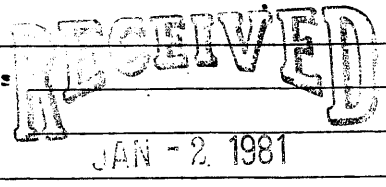
DESIGNATED AGENT Warren R. Haught
Address Smithville, WV 26178

OIL & GAS ROYALTY OWNER Georgia Estlack
Address Doolin Road
New Martinsville, WV 26155

COAL OPERATOR None
Address _____

Acreage 120
SURFACE OWNER Thomas Estlack
Address New Martinsville, WV 26155
Acreage 120

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____



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

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip L. Tracy
Address P.O. Box 173
Middlebourne, W.V. 26149

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 Sept. 15, 1980, to the undersigned well operator from Georgia Estlack

[If said deed, lease, or other contract has been recorded:]
Recorded on November 5, 1971, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Deed Book 190 at page 486. 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) 548-3092

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

BLANKET BOND

PROPOSED WORK ORDER

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

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

GEOLOGICAL TARGET FORMATION, Shale
Estimated depth of completed well, 4000' feet Rotary X / 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 X

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		
Conductor								Kinds
Fresh water	3 5/8	K-55	20#	X		200'	200'	75 sacks Cement to surface
Coal								Sizes
Intermediate								Depths set
Production	4 1/2	J-55	10.5#	X			4000'	400 sacks of to regmta of rule 15.01
Logging								Perforations:
Miners								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 § 22-4-3a 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 9-9-81.

J. E. Murray
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 _____