



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION 947'
ROAD INTERSECTION

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) Paul K. Marshall
 R.P.E. _____ L.L.S. 580

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE June 26, 19 84
 OPERATOR'S WELL NO. Cunningham #1
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1010' WATER SHED MCKIM
 DISTRICT LAFAYETTE COUNTY PLEASANTS
 QUADRANGLE 241 BENS RUN (7.5') St. Marys 15' Ec.
 SURFACE OWNER CLAYTON CUNNINGHAM ACREAGE 105
 OIL & GAS ROYALTY OWNER CLAYTON CUNNINGHAM LEASE ACREAGE 105

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 SQUAW ESTIMATED DEPTH 2200'
 WELL OPERATOR HAUGHT INC. DESIGNATED AGENT WARREN P. HAUGHT
 ADDRESS 4424 EMERSON AVE. PARKERSBURG, W.VA. 26104 ADDRESS RT #3 Box 14 SMITHVILLE, W.VA. 26178

FORM IV-6 (8-78)

COUNTY NAME PERMIT

JUL 9 1984

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS



IV-35
(Rev 8-81)

JAN 23 1986

State of West Virginia
Department of Mines
Oil and Gas Division

Date 01-20-86
Operator's Well No. Cunningham #1
Farm Clayton Cunningham
API No. 47 - 073 - 1857

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1010 Watershed McKim Creek
District: Lafayette County Pleasants Quadrangle Bens Run 7.5 min

COMPANY Haught, Inc.
ADDRESS 4424 Emerson Ave., Parkersburg, W 26101
DESIGNATED AGENT Warren R. Haught
ADDRESS Rt. 3, Box 14, Smithville W 26104
SURFACE OWNER Clayton Cunningham
ADDRESS Rt. 1, Hebron, W
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Robert
Lowther ADDRESS Gen. Del. Middlebourne W
PERMIT ISSUED July 3, 1984
DRILLING COMMENCED July 9, 1984
DRILLING COMPLETED July 11, 1984
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8			
8 5/8	910	910	25163 sks.
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Squaw Depth 2200 feet
Depth of completed well 1075 feet Rotary X / Cable Tools
Water strata depth: Fresh None feet; Salt None feet
Coal seam depths: None Is coal being mined in the area? N/A

OPEN FLOW DATA

Producing formation Cow Run Pay zone depth 1010 - 1060 feet
Gas: Initial open flow None Mcf/d Oil: Initial open flow 1 Bbl/d
Final open flow None Mcf/d Final open flow (1) Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 20 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: 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

JAN 27 1986

(Continue on reverse side)

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

No physical changes

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
			Including indication of all fresh and salt water, coal, oil and gas
R.R., red, soft	0	35	dry
Sand, gray, hard	35	83	
Slate, gray, soft	83	90	
R.R., red, soft	90	102	
Slate, gray, med.	102	113	
R.R., Slate, red, gray, soft	113	176	dry
R.R., red, soft	176	189	
Sand, gray, med.	189	221	
R.R., red, soft	221	236	
Sand, gray, hard	236	280	dry
R.R., red, soft	280	293	
Sand, gray, hard	293	331	
R.R., red, soft	331	345	
Sand, Slate, gray, hard	345	388	dry
R.R., red, soft	388	399	
Slate, gray, med.	399	440	
R.R., red, soft	440	448	
Sand, Slate, gray, med.	448	552	dry
R.R., red, soft	552	561	
Sand, gray, hard	561	567	
Slate, gray, soft	567	574	
Sand, gray, med.	574	593	
Slate, gray, soft	593	597	dry
Sand, gray, hard	597	614	
R.R., red, soft	614	625	
Sand, gray, med.	625	637	
Slate, gray, soft	637	645	dry
Sand, gray, hard	645	652	
Slate, gray, soft	652	665	
Sand, gray, hard	665	673	
Slate, gray, soft	673	681	
Sand, gray, soft	681	702	
Slate, gray, soft	702	708	dry
Sand, gray, med.	708	752	
Slate, gray, soft	752	757	
Sand, gray, hard	757	768	
Slate gray, soft	768	771	
Sand, gray hard	771	791	dry
Slate, gray, soft	791	794	

(Attach separate sheets as necessary)

DOMINIC PETROLEUM, INC.

Well Operator

By: 

Date: 1-20-86.

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."

WELL LOG

Pa 2,073 1857

FORMATION, COLOR, HARD, SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sand, gray, med	794	805	dry
Slate, sand, gray, med.	805	838	
Cow Run Sands	838	1010	Oil
Sand, gray, med.	1010	1060	Oil
R.R., red, soft	1060	<u>1075</u>	

D.

JAN 27 1986



1) Date: July 2, 19 84
 2) Operator's Well No. Cunningham #1
 3) API Well No. 47 - 073 - 1857
 State _____ County _____ Permit _____

RECEIVED

JUL - 3 1984

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION

- 4) WELL TYPE: **DEPT. OF MINES** Gas /
 B (If "Gas", Production / Underground storage _____ / Deep / Shallow)
 5) LOCATION: Elevation: 1010 Watershed: McKim Creek (OM:4)
 District: Kay/Lafayette County: Pleasants Quadrangle: Bens Run 7.5 min.
 6) WELL OPERATOR Haight, Inc. 7) DESIGNATED AGENT Warren R. Haight
 Address 4424 Emerson Ave. Address Rt. 3 Box 14
Parkersburg Parkersburg, WV 26104 Smithville, WV 26178
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert Lowther Name HAUGHT, INC.
 Address General Delivery Address 4424 Emerson Avenue
Middlebourne, WV 26149 Parkersburg, WV 26104
 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Squaw
 12) Estimated depth of completed well, 2200 feet
 13) Approximate trata depths: Fresh, N/A feet; salt, N/A feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No /

15) 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		Kinds	Depths set
Conductor										
Fresh water	8 5/8	K-55	20#	X		1103	1110	Cent to surf		
Coal										
Intermediate										
Production	4 1/2	J-55	10.5#	X			2200	200 Sacks		
Tubing										
Liners										

or as req. by rule 15.01

**OFFICE USE ONLY
 DRILLING PERMIT**

Permit number 47-073-1857

Date July 3, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 3, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u>	Agent: <u>MU</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>PNB 051500481</u>
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[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File