



(+) 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 ROAD INTERSECTION
 947'

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 OCT. 2, 19 84
 OPERATOR'S WELL NO. CUNNINGHAM #6
 API WELL NO.

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 979 WATERSHED MCKIM CREEK
 DISTRICT LAFAYETTE 3 COUNTY PLEASANTS
 QUADRANGLE BENS RUN 7.5' 24 St. Marys 116 EOG
 SURFACE OWNER CLAYTON CUNNINGHAM ACREAGE 105 ACRES
 OIL & GAS ROYALTY OWNER CLAYTON CUNNINGHAM LEASE ACREAGE 105 ACRES
 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 SQUAW ESTIMATED DEPTH 2200'
 WELL OPERATOR HAUGHT, INC. DESIGNATED AGENT WARREN HAUGHT
 ADDRESS 4424 EMERSON AVE. ADDRESS ROUTE 3, BOX 14
 368 PARKERSBURG, WV 26101 SMITHVILLE, WV 26178

FORM IV-6 (8-78)
 H.T. HALL

COUNTY NAME
 PERMIT

6-6 Federal (a)

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS



Date 01-20-86
Operator's _____
Well No. Cunningham #6
Farm Clayton Cunningham
API No. 47 - 073 - 1890

JAN 23 1986

State of West Virginia

DEPARTMENT OF ENERGY
Oil and Gas Division

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: 979 Watershed McKim Creek
District: Lafayette County Pleasants Quadrangle Bens Run 7.5

COMPANY Haight, Inc.

ADDRESS 4424 Emerson Ave., Parkersburg, WV 26101

DESIGNATED AGENT Warren R. Haight

ADDRESS Rt. 3, Box 14, Smithville, WV 26178

SURFACE OWNER Clayton Cunningham

ADDRESS Rt. 1, Hebron, WV

MINERAL RIGHTS OWNER Same

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Robert

Lowther ADDRESS Gen. Del., Middlebourne, WV

PERMIT ISSUED October 25, 1984

DRILLING COMMENCED December 10, 1984

DRILLING COMPLETED December 12, 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 Cond.			
13-10"			
9 5/8			
8 5/8	936.20	936.20	163 sks
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Squaw Depth 2200 feet

Depth of completed well 1100 feet Rotary X / Cable Tools _____

Water strata depth: Fresh N/A feet; Salt N/A feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Cow Run Pay zone depth 1020 feet

Gas: Initial open flow N/A Mcf/d Oil: Initial open flow 1 Bbl/d

Final open flow N/A 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

(Continue on reverse side)

JAN 27 1986

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

No physical change

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	5	
Slate, gray, soft			5	44	
R.R., red, soft			44	63	
Slate, gray, soft			63	73	
R.R., red, soft			73	87	
Slate, gray, soft			87	141	
R.R., red, soft			141	156	
Slate, gray, soft			156	183	
R.R., red, soft			183	193	
Sand, gray, med.			193	207	
Slate, gray, soft			207	243	
R.R., red, soft			243	253	
Slate, gray, soft			253	298	
R.R., red, soft			298	311	
Slate, Gray, soft			311	350	
R.R., red, soft			350	362	
Slate, gray, soft			362	375	
R.R., Slate, red, gray, soft			375	475	
Sand, gray, med.			475	480	
Slate, gray, med.			480	540	
R.R., red, soft			540	546	
Slate, gray, soft			546	560	
Sand, gray, med.			560	566	
R.R., red, soft			566	642	
Slate, gray, soft			642	675	
Sand, gray, med.			675	719	
Lime Sand, gray, hard			719	770	
Slate, gray, soft			770	784	
Sand, gray, med.			784	794	
Slate, gray, soft			794	854	
Sand, gray, med.			854	859	
Slate, gray, soft			859	881	
Sand, gray, med.			881	900	
Slate, gray, soft			900	946	
R.R., red, soft			946	956	
Cow Run Sands			956	996	
Slate, R.R., gray, red, soft			996	1048	
Slate, gray, soft			1048	1080	Oil
Sand, gray, med.			1080	1100	

(Attach separate sheets as necessary)

Dominic Petroleum, Inc.

Well Operator

By: D. J. Hyman

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."



1) Date: October 16, 19 84
 2) Operator's Well No. Cunningham #6
 3) API Well No. 47 - 073 X - 1890
 State County Permit

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

- 4) WELL TYPE: A Oil XX / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 979 Watershed: McKim Creek OM:4
 District: Lafayette County: Pleasants Quadrangle: Bens Run 7.5
- 6) WELL OPERATOR Haight, Inc. 21500 7) DESIGNATED AGENT Warren R. Haight
 Address 4424 Emerson Ave. Address Rt. 3 Box 14
Parkersburg, WV 26104 Smithville, WV 26178
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert Lowther Name Haight, Inc.
 Address General Delivery Address 4424 Emerson Ave.
Middlebourne, WV 26149 Parkersburg, WV 26104
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate XX /
 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 XX /

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		
Conductor									Kinds
Fresh water	<u>8 5/8</u>	<u>K-55</u>	<u>20#</u>	<u>XX</u>		<u>1000</u>	<u>1000</u>	<u>to surface</u>	<u>NEAT</u>
Coal									Sizes
Intermediate								<u>500'</u>	
Production	<u>4 1/2</u>	<u>J-55</u>	<u>10 1/2#</u>	<u>XX</u>		<u>2200</u>	<u>2200</u>	<u>XXX fill up</u>	<u>NO RO required</u>
Tubing								<u>by rule 15.0'</u>	
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-073-1890

October 25, 19 84
 Date

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 October 25, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <input checked="" type="checkbox"/>	Plat:	Casing	Fee
<u>74</u>	<u>MN</u>	<u>MN</u>	<u>MN</u>	<u>628</u>

Margaret J. Hasse
 Administrator, Office of Oil and Gas

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

File