

6480'
LATITUDE 39°25'00"

LONGITUDE 81°00'00"

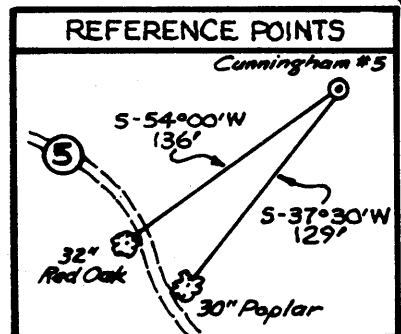
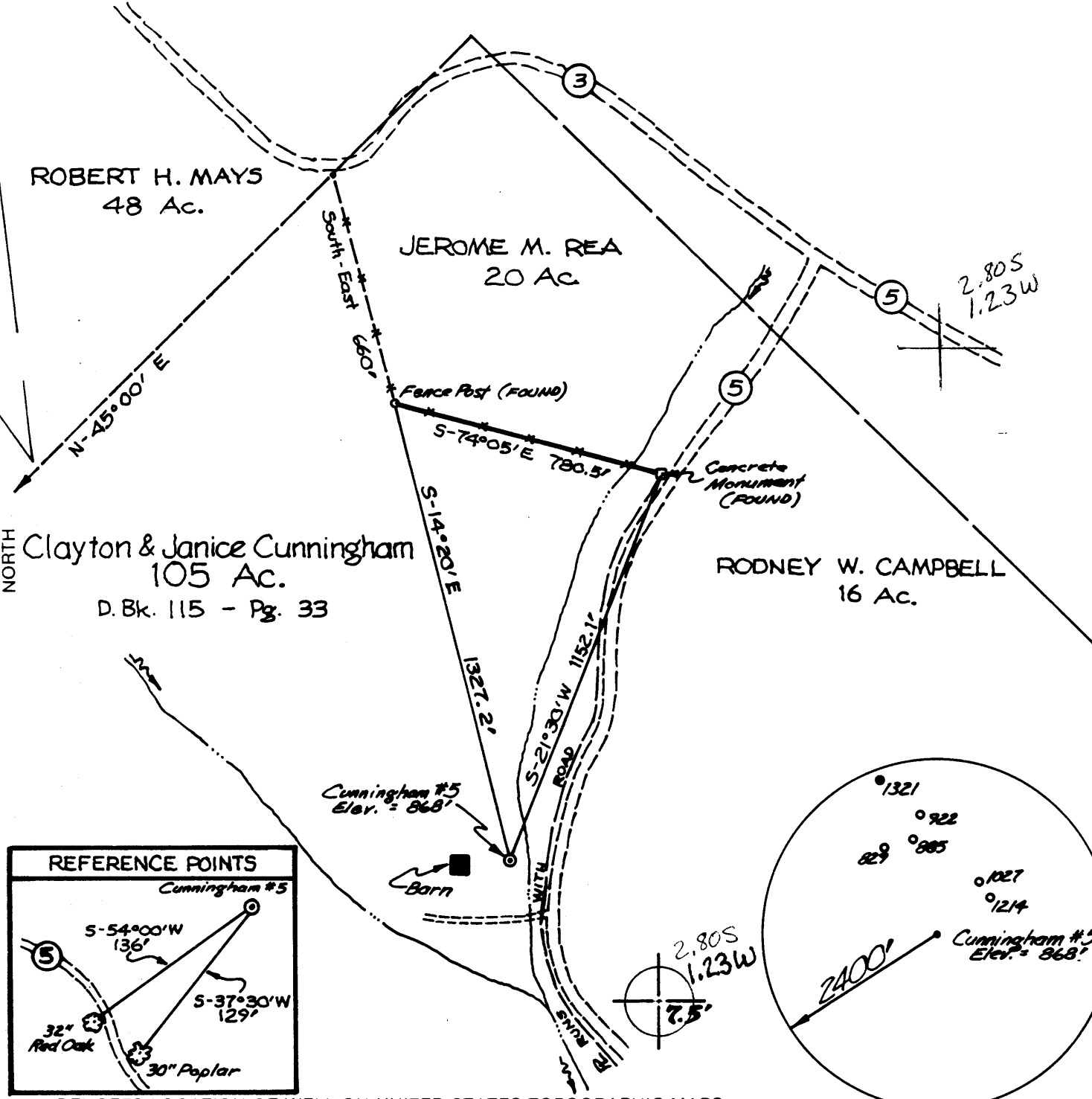
14,700'

ROBERT H. MAYS
48 Ac.

JEROME M. REA
20 Ac

Clayton & Janice Cunningham
105 Ac.
D. Bk. 115 - Pg. 33

RODNEY W. CAMPBELL
16 Ac.



(+) 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 JULY 21 19 84
 OPERATOR'S WELL NO. CUNNINGHAM #5
 API WELL NO. _____
47 073 1866
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 868' WATERSHED MCKIM CREEK
 DISTRICT LAFAYETTE 3 COUNTY PLEASANTS
 QUADRANGLE BENS RUN 241 (7.5') ST. MARYS 116 EC6
 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) _____
 LEASE NO. _____
AUG 13 1984

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION SQUAW ESTIMATED DEPTH 2200'
 WELL OPERATOR HAUGHT INC. 373 DESIGNATED AGENT WARREN HAUGHT
 ADDRESS 4424 EMERSON AVE. ADDRESS ROUTE 3 BOX 14
PARKERSBURG, W.VA. 26104 SMITHVILLE, W.VA. 26178

FORM IV-6 (8-78)

COUNTY NAME

PERMIT



WR-35

JAN 23 1986

State of West Virginia

DEPARTMENT OF ENERGY
Oil and Gas Division

Date 01-20-86
Operator's
Well No. Cunningham #5
Farm Clayton Cunningham
API No. 47 - 073 - 1866

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

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 26149
PERMIT ISSUED August 10, 1984
DRILLING COMMENCED August 14, 1984
DRILLING COMPLETED August 17, 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	750	750	150 sks
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Squaw Depth 2200 feet
Depth of completed well 1050 feet Rotary X / Cable Tools
Water strata depth: Fresh 62 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 904 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 27 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)

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	25	Fresh Water 62'
Lime Sand, gray, hard			25	59	
R.R., red, soft			59	79	
Lime Sand, gray, hard			79	101	
R.R., red, med.			101	105	
Sand, Gray, hard			105	131	
R.R., red, soft			131	154	
Sand, gray, hard			154	184	
R.R., red, soft			184	203	
Sand, gray, med.			203	225	
R.R., Slate, red, gray, soft			225	246	
Sand, slate, gray, med.			246	273	
R.R., red, soft			273	299	
Slate, gray, soft			299	325	
sand, gray, hard			325	337	
R.R., red, med.			337	350	
Slate, gray, soft			350	355	
Sand, gray, hard			355	378	
Sand, Slate, gray, med.			378	419	
Sand, gray, med.			419	550	
Sand, gray, med.			550	706	
Lime. gray, hard			706	718	
Slate, gray, soft			718	741	
Sand, gray, med.			741	753	
Slate, gray, soft			753	860	
Cow Run Sands			860	920	Oil, trace of gas
Slate, gray soft			920	926	
R.R., red, soft			926	938	
Sand, gray, med.			938	955	
Slate, gray, soft			955	978	
Sand, Gray, med.			978	1006	
Slate, Gray, soft			1006	1050	

(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."

RECEIVED
FORM NO. 401
(Obsolete)
7-83

AUG 10 1984



1) Date: August 7, 19 84
2) Operator's Well No. Cunningham #5
3) API Well No. 47 073 1866
State County Permit

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

- 4) WELL TYPE: A Oil Gas B (If "Gas", Production Underground storage Deep Shallow)
- 5) LOCATION: Elevation: 888 868' Watershed: McKim Creek District: LaFayette County: Pleasants Quadrangle: Ben's Run 7.5 min
- 6) WELL OPERATOR: Haught, Inc. Address: 4424 Emerson Ave. Parkersburg, WV 26104
- 7) DESIGNATED AGENT: Warren R. Haught Address: Rt. 3 Box 14 Smithville, WV 26178
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Robert Lowther Address: N General Delivery Middlebourne, WV 26149
- 9) DRILLING CONTRACTOR: Name: Haught, Inc. Address: 4424 Emerson Ave. 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: None 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		
Conductor									Kinds
Fresh water	8 5/8	K-55	20#	XX		968	968		Cement to surf by rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2	J-55	10 1/2#	XX		2200'	XXXXX2200	500 ft.	Depths set
Tubing									as required by
Liners									rule 15.01
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-073-1866 Date August 10, 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 August 10, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 74 BLANKET	Agent: <input checked="" type="checkbox"/> MU	Plat: MU	Casing: MU	Fee: 515
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Margaret J. Hasse
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

RECEIVED

AUG 10 1984



1) Date: August 7, 19 84
2) Operator's Well No. Cunningham #5
3) API Well No. 47 073 1866
State County Permit

OIL & GAS DIVISION DEPARTMENT OF MINES, OIL AND GAS DIVISION
DEPT. OF MINES APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XX Gas XX
5) LOCATION: Elevation: 888 868' Watershed: McKim Creek
6) WELL OPERATOR: Haught, Inc. Address: 4424 Emerson Ave. Parkersburg, WV 26104
7) DESIGNATED AGENT: Warren R. Haught Address: Rt. 3 Box 14 Smithville, WV 26178
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Robert Lowther Address: M General Delivery Middlebourne, WV 26149
9) DRILLING CONTRACTOR: Name: Haught, Inc. Address: 4424 Emerson Ave. Parkersburg, WV 26104
10) PROPOSED WELL WORK: Drill XX / Drill deeper / Redrill / Stimulate XX
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: None Is coal being mined in the area? Yes / No XX

15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Top, Bottom). Includes handwritten entries like 'Cement to surf by rule 15.05' and 'as required by rule 15.01'.

OFFICE USE ONLY DRILLING PERMIT

Permit number 47-073-1866 August 10 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 August 10, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond: 74 BLANKET, Agent: MU, Plat: MU, Casing: MU, Fee: 515

Margaret J. Hasse Administrator, Office of Oil and Gas