

LATITUDE 39°27'30"

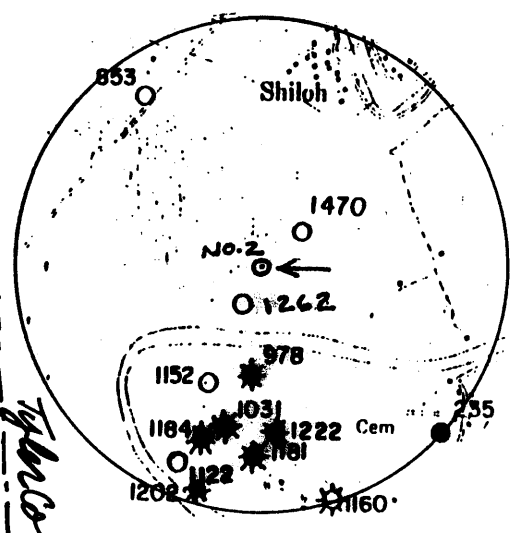
81°00'00"

LONGITUDE

2,920'

Janie
1/13/97

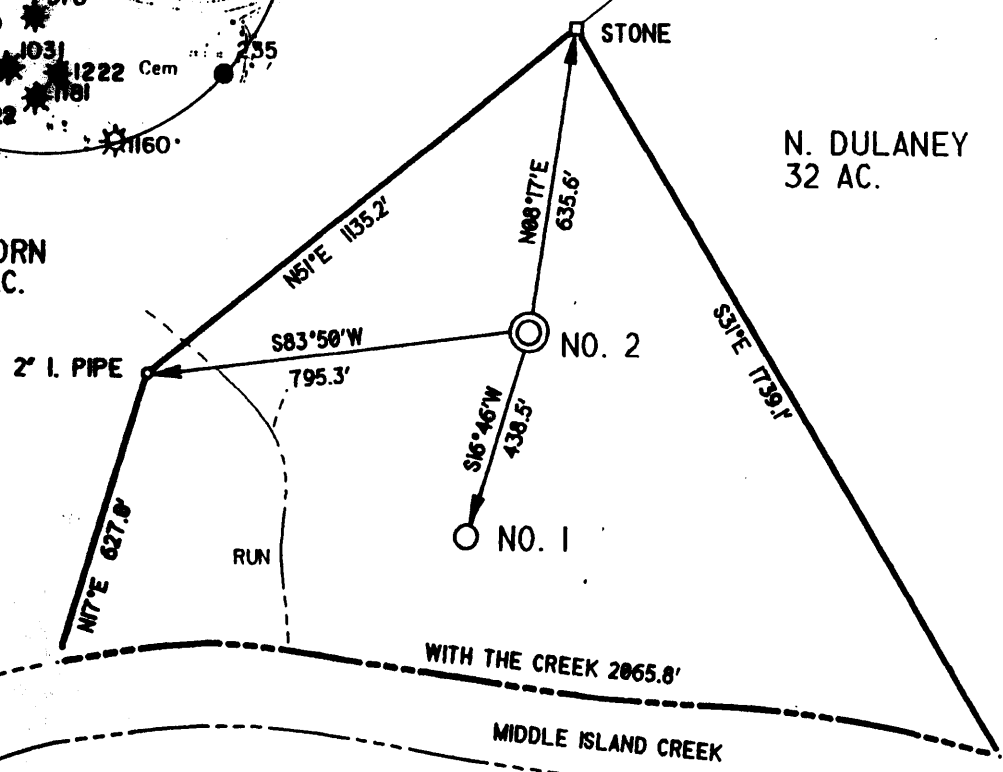
0.565
0.76W



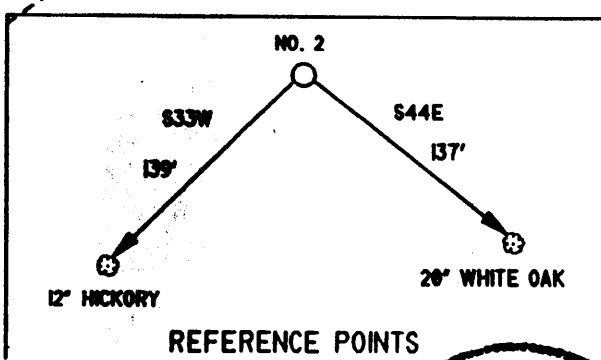
*Placemts. to
Tylor*

F. THORN
112.8 AC.

N. DULANEY
32 AC.

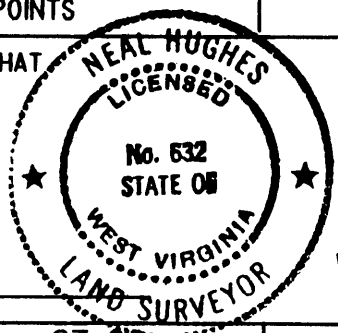


NORTH



I THE UNDERSIGNED, DO 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 ENERGY.

L.L.S. 632 *Neal Hughes*



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

DATE JANUARY 9, 19 97
 OPERATORS WELL NO. HEATH 2

API WELL NO. 47 - 095-01675
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 97-04
 PROVEN SOURCE OF ELEVATION WELL 095-1262 SCALE 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF 'GAS' PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 770' WATERSHED MIDDLE ISLAND CREEK

DISTRICT UNION COUNTY TYLER QUADRANGLE BENS RUN
 SURFACE OWNER RICHARD HEATH ACREAGE 35
 ROYALTY OWNER KENNETH THOMAS LEASE ACREAGE 35

PROPOSED WORK:
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BIG INJUN
 ESTIMATED DEPTH 1850'

WELL OPERATOR CLARENCE SMITH DESIGNATED AGENT CLARENCE SMITH
 ADDRESS PO BOX 432 ADDRESS PO BOX 432
ST. MARYS, WV 26170 ST. MARYS, WV 26170

COUNTY NAME PERMIT

6-6 86



DATE: 7/14/99
API #: 47-95-1675

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Reviewed: [Signature]

Well Operator's Report of Well Work

Farm name: Heath, Richard Operator Well No.: Heath #2

LOCATION: Elevation: 770 Quadrangle: Bens Run

District: Union County: Tyler
Latitude: 2,920 Feet South of 39 Deg. 27 Min. 30 Sec.
Longitude 4,100 Feet West of 81 Deg. 00 Min. 00 Sec.

Company: Clarence Smith

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P. O. Box 432</u> <u>St. Marys, WV 26170</u>				
Agent: <u>Clarence Smith</u>				
Inspector: <u>Mike Underwood</u>				
Date Permit Issued: <u>1/15/97</u>				
Date Well Work Commenced: <u>1/18/97</u>	<u>8 5/8</u>	<u>766</u>	<u>766</u>	<u>To Surface</u>
Date Well Work Completed: <u>7/25/97</u>	<u>5 1/2</u>	<u>1678</u>	<u>yes</u>	<u>On Packer</u>
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Depth (feet): <u>1705</u>				
Fresh Water Depth (ft.): <u>50</u>				
Salt Water Depth (ft.): <u>990</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				

OPEN FLOW DATA

Producing formation 1st & 2nd Salt Sands Pay zone depth (ft) 1060-1066
 Gas: Initial open flow 30 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 50 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 24 Hours
 Static rock Pressure 140 psig (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____
 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 pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Clarence E. Smith
 By: Clarence E. Smith
 Date: 7/14/99

AUG 23 1999

TYL 1675

**HEATH #2
TYLER COUNTY, WV
PERMIT NO. - 47-95-01675**

The 5-1/2 was set on a hook wall packer at 1650'. On 5/30/97, the Keener was open hole faced with 360 (BBL) water and 295 sacks of 20/40 sand. The results were no show of oil and little gas.

On 7/12/97, a solid plug was set at 1440' and the 5-1/2 perforated between 1406 and 1408 and a cement squeeze job was accomplished. The cement wiper plug was set at 1380'.

AUG 23 1999

TYL 1675

Heath #2
Tyler County, West Virginia
State Permit Number 47- 95-01675

July 21, 1997 - Cement bond log, top at 700 feet.
Perforate to stimulate the well.

First Stage - Second Salt Sand, 1235 to 1258 -14 holes.
Breakdown 12 bbls HCl, broke down at 1800 PSI
80/100 sd - 5,000 pounds
20/40 sd - 15,000 pounds
400 bbls of water
Average pressure of 1641 PSI at 19 BPM.
ISIP - 1045 PSI
5 minutes - 995 PSI.

Second Stage - Big mouth plug at 1150,
First Salt Sand 1060 to 1066 -15 holes.
Breakdown 12 bbls HCl broke down at 2284 PSI
80/100 sd - 5,000 pounds
20/40 sd - 15,000 pounds
380 bbls of water
Average pressure of 1405 PSI at 19 BPM
ISIP - 702 PSI
5 minutes - 683 PSI.

Cow Run	870	876	
Cow Run	905	923	
First Salt Sand	996	1082	Show of Gas
Second Salt Sand	1182	1276	Show of Gas
Third Salt Sand	1302	1335	Slight Show Gas

JAN 15 1997
Permitting
Office of Oil & Gas

1) Date: 1/11/97
2) Operator's well number
RICHARD HEATH #2
3) API Well No: 47 - 095 - 1675
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name RICHARD HEATH Name _____
Address 9th ST., LOT 2 Address _____
NEWELL, WV 26150
- (b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____
Address _____
- (c) Name _____ Name _____
Address _____ Address _____
- 6) Inspector MIKE UNDERWOOD (c) Coal Lessee with Declaration
Address ROUTE 2, Box 135 Name _____
SALEM, WV 26426 Address _____
Telephone (304)-782-1843

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- Personal Service (Affidavit attached)
 Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator CLARENCE E. SMITH
 By: _____
 Its: OWNER
 Address P.O. Box 432
ST. MARUS WV 26170
 Telephone (304) 665-2142

Subscribed and sworn before me this 13th day of January, 1997

Sherryl A. Lowther Notary Public
 My commission expires 2-11-97

OFFICIAL SEAL
 Notary Public, State of West Virginia
 SHERRYL A. LOWTHER
 ST. MARCUS, WV