

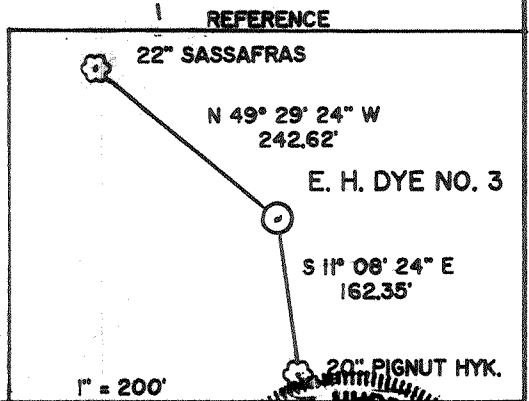
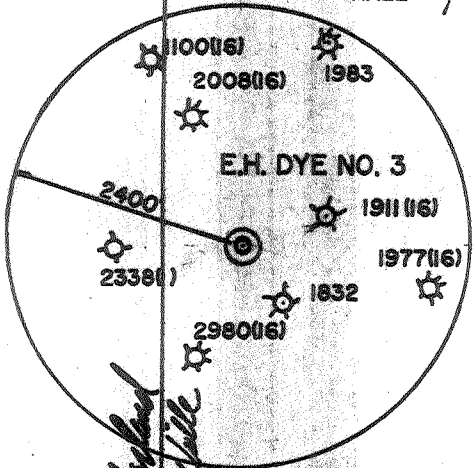
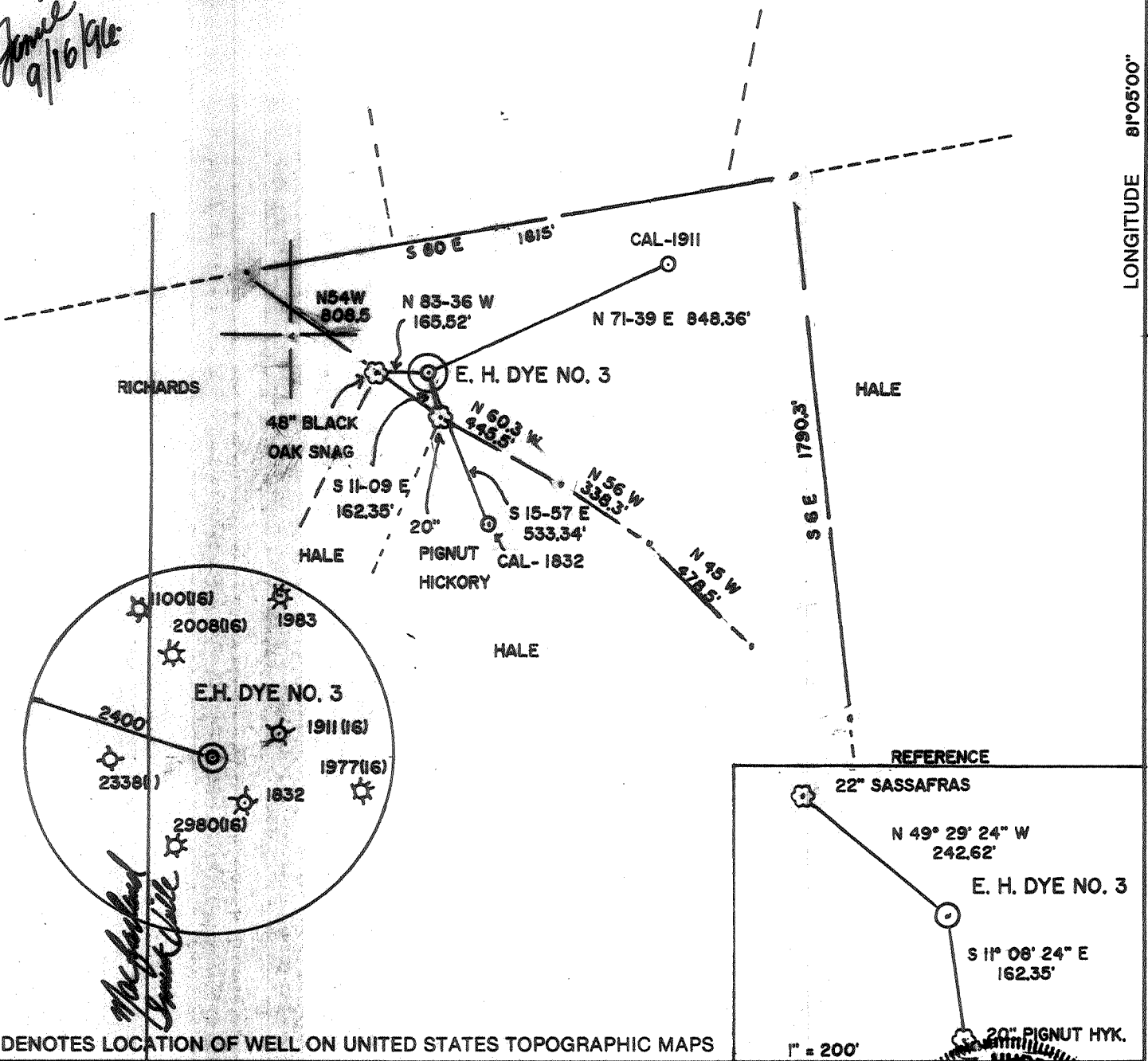
1.325  
2.10w

# E. H. DYE LEASE E. H. DYE NO. 3 9/1 ACRES ±

*Janice  
9/16/96*

NORTH

00.5018  
LONGITUDE 107

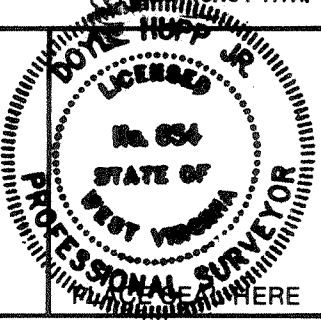


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. W683 B2-52  
 DRAWING NO. W683  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION JCT. OF ROAD  
ELEV. 778'

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 ENERGY.

(SIGNED) Doyle Hupp Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 634



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS



DATE SEPTEMBER 6, 19 96  
 OPERATOR'S WELL NO. E. H. DYE NO. 3  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1049' WATER SHED LEADING CREEK  
 DISTRICT SHERIDAN COUNTY CALHOUN  
 QUADRANGLE SMITHVILLE

SURFACE OWNER GEORGE F. HALE ACREAGE 23 ACRES  
 OIL & GAS ROYALTY OWNER E. H. DYE LEASE ACREAGE 9/1 ACRES

LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X 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 BIG INDIAN SAND ESTIMATED DEPTH 2200 FT.  
 WELL OPERATOR WALTER SMITH DESIGNATED AGENT WALTER E. SMITH  
 ADDRESS PO. BOX 244 GRANTSVILLE, WV. 26147 ADDRESS P.O. BOX 244, GRANTSVILLE, WV 26147

6-6 125

FORM WW-6

COUNTY NAME  
PERMIT

SEP 20 1996

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

Well Operator's Report of Well Work

Farm name: HALE, GEORGE E.

Operator Well No.: E.H. DYE #3

LOCATION: Elevation: 1,049.00 Quadrangle: SMITHVILLE

District: SHERIDAN County: CALHOUN  
Latitude: 6900 Feet South of 39 Deg. 2 Min. 30 Sec.  
Longitude 11120 Feet West of 81 Deg. 5 Min. 0 Sec.

Company: SMITH, WALTER E.  
P. O. BOX 244  
GRANTSVILLE, WV 26147-0000

Agent: WALTER E. SMITH

Inspector: DEO MACE  
Permit Issued: 09/16/96  
Well work Commenced: 10-9-96  
Well work Completed: 12-12-96  
Verbal Plugging  
Permission granted on: 9-13-96  
Rotary x Cable Rig  
Total Depth (feet) 2240'  
Fresh water depths (ft) none  
Salt water depths (ft) 1860

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): none

| Casing & Tubing Size  | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft.  |
|---|------------------|--------------|-------------------------|
| 8-5/8"  | 261"             | 261"         | 60 sks. fill to surface |
| 4 1/2"  | 2231'            | 2231'        | 50 sks fill up to 1830' |
| <b>RECEIVED</b><br>WV Division of Environmental Protection<br>DEC 17 1996 |                  |              |                         |

OPEN FLOW DATA

Permitting  
Office of Oil & Gas

Producing formation Big Injun Sand Pay zone depth (ft) 2110'  
 Gas: Initial open flow show MCF/d Oil: Initial open flow show Bbl/d  
 Final open flow 40 MCF/d Final open flow 1 Bbl/d  
 Time of open flow between initial and final tests 16 Hours  
 Static rock Pressure 150 psig (surface pressure) after 48 Hours

Second producing formation none 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 PERFORATE 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.

For: SMITH, WALTER E.

By: [Signature]  
Date: 12-12-96

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

013 4293

## Continued Well Log for the E.H. Dye Well No. 3 - API NO. 47-013-04293

## WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS   |
|-----------|-------|--------------|----------|-------------|---|
|           |       |              |          |             | Including indication of all fresh and salt water, coal, oil and gas |
| Shale     |       |              | 745      | 755         |   |
| Sand      |       |              | 755      | 765         |   |
| Shale     |       |              | 765      | 780         |   |
| Redrock   |       |              | 780      | 790         |   |
| Sand      |       |              | 790      | 800         |   |
| Shale     |       |              | 800      | 820         |   |
| Redrock   |       |              | 820      | 830         |   |
| Shale     |       |              | 830      | 845         |   |
| Redrock   |       |              | 845      | 850         |   |
| Sand      |       |              | 850      | 865         |   |
| Redrock   |       |              | 865      | 880         |   |
| Shale     |       |              | 880      | 895         |   |
| Sand      |       |              | 895      | 910         |   |
| Redrock   |       |              | 910      | 915         |   |
| Shale     |       |              | 915      | 930         |   |
| Redrock   |       |              | 930      | 935         |   |
| Sand      |       |              | 935      | 945         |   |
| Shale     |       |              | 945      | 960         |   |
| Redrock   |       |              | 960      | 970         |   |
| Shale     |       |              | 970      | 980         |   |
| Sand      |       |              | 980      | 990         |   |
| Shale     |       |              | 990      | 1002        |   |
| Redrock   |       |              | 1002     | 1010        |   |
| Shale     |       |              | 1010     | 1025        |   |
| Sand      |       |              | 1025     | 1035        |   |
| Shale     |       |              | 1035     | 1050        |   |
| Sand      |       |              | 1050     | 1060        |   |
| Shale     |       |              | 1060     | 1090        |   |
| Redrock   |       |              | 1090     | 1100        |   |
| Shale     |       |              | 1100     | 1130        |   |

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 WY Division of  
 Environmental Protection  
 DEC 17 1996  
 Permitting  
 Office of Oil & Gas

(Attach separate sheets as necessary)

Walter E. Smith  
 Well Operator  
 By: Walter E. Smith  
 Date: 12-12-96

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."

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

Continued Well Log for the E.H. Dye Well No.3 - API No. 47-013-04293

## WELL LOG

| FORMATION      | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS   |
|----------------|-------|--------------|----------|-------------|---|
|                |       |              |          |             | Including indication of all fresh and salt water, coal, oil and gas |
| Redrock        |       |              | 1130     | 1145        |   |
| Sand           |       |              | 1145     | 1150        |   |
| Shale          |       |              | 1150     | 1163        |   |
| Redrock        |       |              | 1163     | 1170        |   |
| Sand           |       |              | 1170     | 1180        |   |
| Shale          |       |              | 1180     | 1195        |   |
| Redrock/Shale  |       |              | 1195     | 1205        |   |
| Sand           |       |              | 1205     | 1222        |   |
| Redrock        |       |              | 1222     | 1226        |   |
| Sand           |       |              | 1226     | 1250        |   |
| Shale          |       |              | 1250     | 1260        |   |
| Redrock        |       |              | 1260     | 1265        |   |
| Shale          |       |              | 1265     | 1362        |   |
| Sand           |       |              | 1362     | 1335        |   |
| Shale          |       |              | 1335     | 1407        |   |
| Sand           |       |              | 1407     | 1482        |   |
| Shale          |       |              | 1482     | 1530        |   |
| Sand           |       |              | 1530     | 1600        |   |
| Shale          |       |              | 1600     | 1708        |   |
| Sand           |       |              | 1708     | 1749        |   |
| Shale          |       |              | 1749     | 1770        |   |
| Sand           |       |              | 1770     | 1812        |   |
| Shale          |       |              | 1812     | 1940        |   |
| Black Shale    |       |              | 1940     | 1950        |   |
| Lime           |       |              | 1950     | 1980        | Show of water at 1860'  |
| Big Lime       |       |              | 1980     | 2090        |   |
| Big Injun Sand |       |              | 2090     | 2128        | 2110' to 2128 Show of Gas and                                       |
| Shale          |       |              | 2128     | 2231        | trace of oil  |

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 Environmental Protection  
 DEC 17 1996  
 Permitting  
 Office of Oil & Gas

(Attach separate sheets as necessary)

Walter E. Smith  
 Well Operator

By: Walter E. Smith

Date: 12-12-96

Note: Regulation 2.02(i) provides as follows:  
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 detailed geological record of all formations, including  
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DEC 08 1997

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

- 1) Well Operator: <sup>824</sup>Walter E. Smith 46100 (3) 612
- 2) Operator's Well Number: ~~46100~~ E.H. Rye #3 3) Elevation: 1049'
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /  
Issued 09/16/96  
Expires 09/16/98
- 5) Proposed Target Formation(s): <sup>371</sup> Big Injun Sand
- 6) Proposed Total Depth: 2200 feet
- 7) Approximate fresh water strata depths: 150'
- 8) Approximate salt water depths: 1850'
- 9) Approximate coal seam depths: No Coal in area
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Drilling, cement production and surface strings of casing and fracture Big Injun Sand.
- 12)

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SEP 13 1996  
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Office of Oil & Gas

CASING AND TUBING PROGRAM

| TYPE         | SPECIFICATIONS |       | FOOTAGE INTERVALS |              | CEMENT       |   |
|--------------|----------------|-------|-------------------|--------------|--------------|---|
|              | Size           | Grade | Weight per ft.    | For drilling | Left in well | Fill-up (cu. ft.)                                     |
| Conductor    |                |       |                   |              |              | 38CSR18-11.22   |
| Fresh Water  | 8-5/8"         | A     | 24#               | 250'         | 250'         | Fill to Surf.<br>38CSR18-11.3                         |
| Coal         |                |       |                   |              |              |   |
| Intermediate |                |       |                   |              |              |   |
| Production   | 4 1/2"         | A     | 10.50#            | 2200'        | 2200'        | 38CSR18-11-1<br>25 Cu.Ft. Cement<br>25 Cu.Ft. Litepoz |
| Tubing       |                |       |                   |              |              |   |
| Liners       |                |       |                   |              |              |   |

PACKERS : Kind None  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Office of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond \_\_\_\_\_  Agent  
(Type)

22587

3150  
24

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Environmental Protection  
SEP 13 1996

1) Date: Sept. 9, 1996  
2) Operator's well number 3  
3) API Well No: 47-013 - 4293  
State County Permit

Permitting  
Office of Oil & Gas

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: (a) Name George E. Hale Address % Tom Hale Smithville, WV 26178
- 5) (a) Coal Operator: Name No Coal Address \_\_\_\_\_
- (b) Name \_\_\_\_\_ Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration Name \_\_\_\_\_ Address \_\_\_\_\_
- (c) Name \_\_\_\_\_ Address \_\_\_\_\_
- (c) Coal Lessee with Declaration Name \_\_\_\_\_ Address \_\_\_\_\_
- 6) Inspector Deo Mace Address Rt. 1 Box 5 Sandridge, WV 25274 Telephone (304)- (304) 655-7398

**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 Walter E. Smith  
By: [Signature]  
Its: Designated Agent  
Address P.O. Box 244 Grantsville, WV 26147  
Telephone (304) 354-6551

Subscribed and sworn before me this 10<sup>th</sup> day of September, 1996  
[Signature] Notary Public  
My commission expires Sept 27, 1997