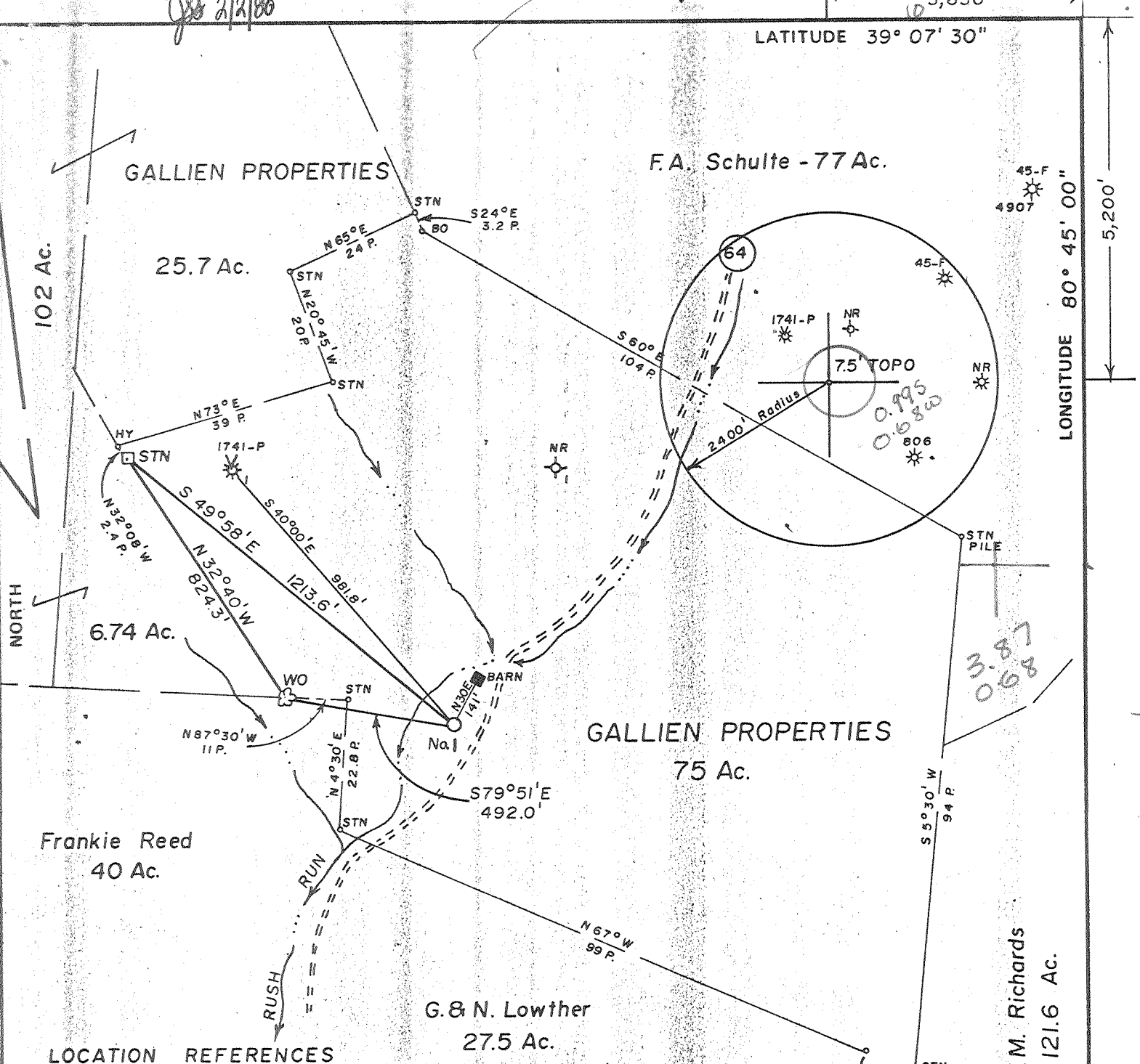


2/2/88

3,650

LATITUDE 39° 07' 30"

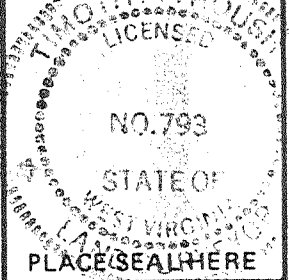
LONGITUDE 80° 45' 00"



**LOCATION REFERENCES**  
 N 47°34'W 99' - 10" Sycamore  
 N 46°01'E 115' - Fence Post

FILE NO. 100-36  
 DRAWING NO.       
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Gallien No. 1 (47-017-1741-P) = 1002'

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) Timothy C. Powell  
 R.P.E.      L.L.S. 793



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE Nov. 28, 19 87  
 OPERATOR'S WELL NO. Gallien Prop. No. 1  
 API WELL NO.       
47 - 017 - 3629  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 842' WATER SHED Rush Run  
 DISTRICT Cove 2 COUNTY Doddridge  
 QUADRANGLE Auburn 7.5' 224 058, Hollbrook EC  
 SURFACE OWNER Gallien Properties ACREAGE 75  
 OIL & GAS ROYALTY OWNER Gallien Properties LEASE ACREAGE 75  
 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 Gordon ESTIMATED DEPTH 3,000'  
 WELL OPERATOR Interstate Drilling Inc. DESIGNATED AGENT Kenneth Pote 6-6  
 ADDRESS Rt. 3, Box 82-V 411 Weston, W. Va. 26452 ADDRESS Rt. 3, Box 82-V Conings (142) Weston, W. Va. 26452

FEB 22 1988

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

RECEIVED  
JAN 30 1990  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Farm name: GALLIEN PROPERTIES, INC. Operator Well No.: 1

LOCATION: Elevation: 842.00 Quadrangle: AUBURN

District: COVE County: DODDRIDGE  
Latitude: 5200 Feet South of 39 Deg. 7 Min. 30 Sec.  
Longitude 3650 Feet West of 80 Deg. 45Min. 0 Sec.

Company: INTERSTATE DRILLING, INC.  
ROUTE 3, BOX 89-V  
WESTON, WV

Asent: KENNETH L. POTE

Inspector: MIKE UNDERWOOD  
Permit Issued: 02/15/88  
Well work Commenced: 01/08/90  
Well work Completed: 01/16/90  
Verbal Plussings granted on: \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary  Cable \_\_\_\_\_ Ris \_\_\_\_\_  
Total Depth (feet) 5202'  
Fresh water depths (ft) 57', 1629'  
Salt water depths (ft) \_\_\_\_\_  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 656'-660'

| Casings & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|-----------------------|------------------|--------------|------------------------|
| 11-3/4"               | 30'              |              |                        |
| 8-5/8"                | 984'             | 984'         | 250 Sk                 |
| 4-1/2"                | 4953'            | 4953'        | 475 Sk                 |
|                       |                  |              |                        |
|                       |                  |              |                        |

OPEN FLOW DATA

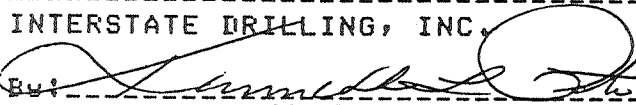
Producing formation Riley, Benson & Alexander Pay zone depth (ft) 4542'-4862'  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 474 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure 1070 psis (surface pressure) after 72 Hours  
 3888'-4336'

Second producing formation Balltown & Bradford 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 \_\_\_\_\_ psis (surface pressure) after \_\_\_\_\_ Hours

\*Comingled with First Stage.

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.

For: INTERSTATE DRILLING, INC.

By:   
Date: January 29, 1990

FEB 02 1990

DETAILS OF PERFORATED INTERVALS, FRACTURING, ETC.

3 Stage Foam Frac

Stage 1 - Perfs 4542-4862 w/16 Holes, 5,000# 80/100, 30,000# 20/40  
198 BBL S/L Fluid, 527,000 SCF Nitrogen

Stage 2 - Perfs 3888-4336 w/14 Holes, 5,000# 80/100, 30,000# 20/40  
198 BBL S/L Fluid, 503,000 SCF Nitrogen

Stage 3 - Perfs 3185-3389 w/13 Holes, 5,000# 80/100, 35,000# 20/40  
195 BBL S/L Fluid, 457,100 SCF Nitrogen

NR-35, PAGE 3 OF 3  
INTERSTATE DRILLING, INC.  
GALLIEN PROPERTIES #1  
PERMIT NO. 47-017-3629  
COVE DIST., DODDRIDGE CO., WV

**RECEIVED**  
JAN 30 1990

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

RECORD OF REGULAR FORMATIONS AND PRODUCTION

|                |            |      |       |       |                                       |
|----------------|------------|------|-------|-------|---------------------------------------|
| Clay           | Red        | Soft | 0'    | 5'    |                                       |
| RedRock        | Red        | Soft | 5'    | 11'   | Hole Damp @ 11'                       |
| Sand           | Gray       | Hard | 11'   | 25'   |                                       |
| Sand and Shale | Gray       | Hard | 25'   | 47'   |                                       |
| Sand           | Gray-White | Hard | 47'   | 77'   | 2" Stream of Water @ 54'              |
| RedRock        | Red        | Soft | 77'   | 82'   |                                       |
| Sand           | Gray       | Hard | 82'   | 224'  |                                       |
| Sand and Shale | Gray       | Med  | 224'  | 230'  |                                       |
| Sand           | Gray       | Med. | 230'  | 243'  |                                       |
| Sand           | White      | Hard | 243'  | 282'  |                                       |
| Sand&Shale     | Gray       | Med. | 282'  | 328'  |                                       |
| Sand           | White      | Hard | 328'  | 346'  |                                       |
| RR&Shale       | Red-Gray   | Med. | 346'  | 362'  |                                       |
| Sand           | White      | Hard | 362'  | 379'  |                                       |
| Sand&RR        | Gray-Red   | Med. | 379'  | 443'  |                                       |
| Sand           | Blk-Gray   | Hard | 443'  | 451'  |                                       |
| Sand&Shale     | Gray       | Med. | 451'  | 580'  |                                       |
| RR&Sand        | Red-Gray   | Med. | 580'  | 590'  |                                       |
| Sand&Shale     | Gray       | Med. | 590'  | 656'  |                                       |
| Coal           | Black      | Soft | 656'  | 660'  |                                       |
| Sand&Shale     | Gray       | Med. | 660'  | 820'  |                                       |
| RR&Shale       | Red-Gray   | Soft | 820'  | 915'  |                                       |
| Sand&Shale     | Gray       | Med. | 915'  | 1282' | TD 11" Hole @ 1028'                   |
| Sand           | Gray       | Med. | 1282' | 1392' |                                       |
| Sand&Shale     | Gray       | Med. | 1392' | 1840' | 3/4" Stream of Water @ 1629'          |
| Big Lime       | White      | Hard | 1840' | 1896' |                                       |
| Injun          |            |      | 1896' | 1988' |                                       |
| Sand&Shale     | Gray       | Med. | 1988' | 2085' |                                       |
| Weir           | Gray       | Hard | 2085' | 2185' |                                       |
| Sand&Shale     | Gray       | Med. | 2185' | 2280' |                                       |
| Berea          | Gray       | Med. | 2280' | 2334' | Gas Ck. @ 2328' - No Show             |
| Sand&Shale     | Gray       | Med. | 2334' | 2476' |                                       |
| Gordon         | Gray       | Hard | 2476' | 2490' |                                       |
| Sand&Shale     | Gray       | Med. | 2490' | 3366' |                                       |
| Speechley      | Gray       | Med. | 3366' | 4005' |                                       |
| Sand&Shale     | Gray       | Med. | 4005' | 4310' | Gas Ck. @ 4231' - No Show             |
| Bradford       | Gray       | Med. | 4310' | 4320' |                                       |
| Sand&Shale     | Gray       | Soft | 4320' | 4519' |                                       |
| Riley          | Gray       | Hard | 4519' | 4542' |                                       |
| Sand&Shale     | Gray       | Soft | 4542' | 4727' |                                       |
| Benson         | Gray       | Med. | 4727' | 5045' | Gas Ck. @ 4764' - 100/10 thru 1" w.w. |
| Sand&Shale     | Gray       | Med. | 5045' | 5202' |                                       |
| Total Depth    |            |      | 5202' |       |                                       |

6632

FEB 02 1990

