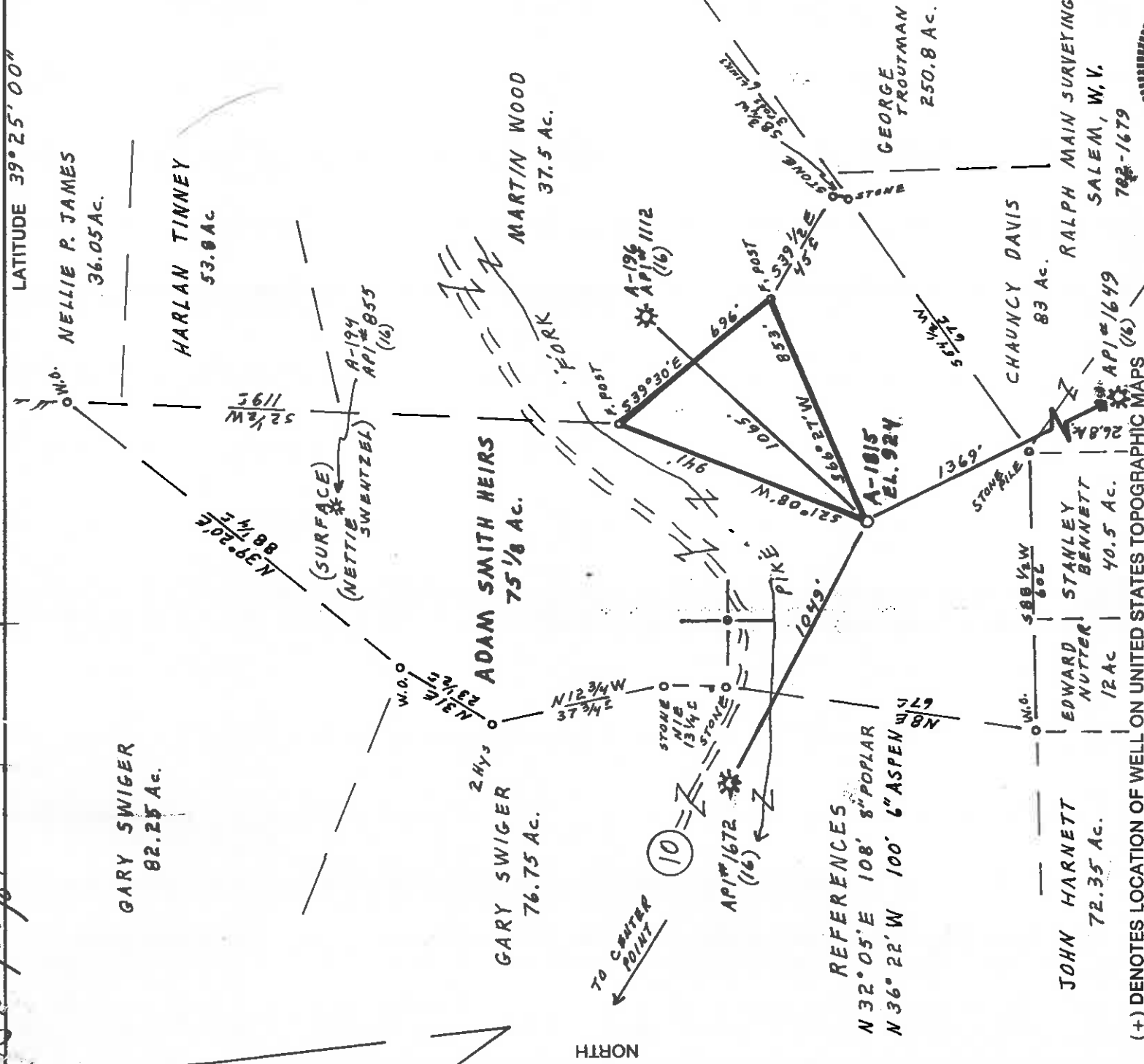


857/22/86

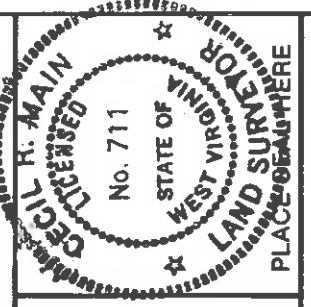
LATITUDE 39° 25' 00"  
LONGITUDE 80° 35' 00"



REFERENCES  
 N 32° 05' E 108' 8" POPLAR  
 N 36° 22' W 100' 6" ASPEN

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200'  
 PROVEN SOURCE OF ELEVATION ALAMCO WELL  
 A-196, API# 1112, EL. 933'

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) Cecil R. Main  
 R.P.E. \_\_\_\_\_ L.L.S. 711



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE AUGUST 11, 1986  
 OPERATOR'S WELL NO. A-1815  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 924' WATERSHED PIKE FORK  CANCELLED  
 DISTRICT Mc CLELLAN COUNTY DODDRIDGE  
 QUADRANGLE FOLSOM 75'  
 SURFACE OWNER NETTIE SWENTZEL ACREAGE 75.13  
 OIL & GAS ROYALTY OWNER ADAM SMITH HEIRS LEASE ACREAGE 75 1/8

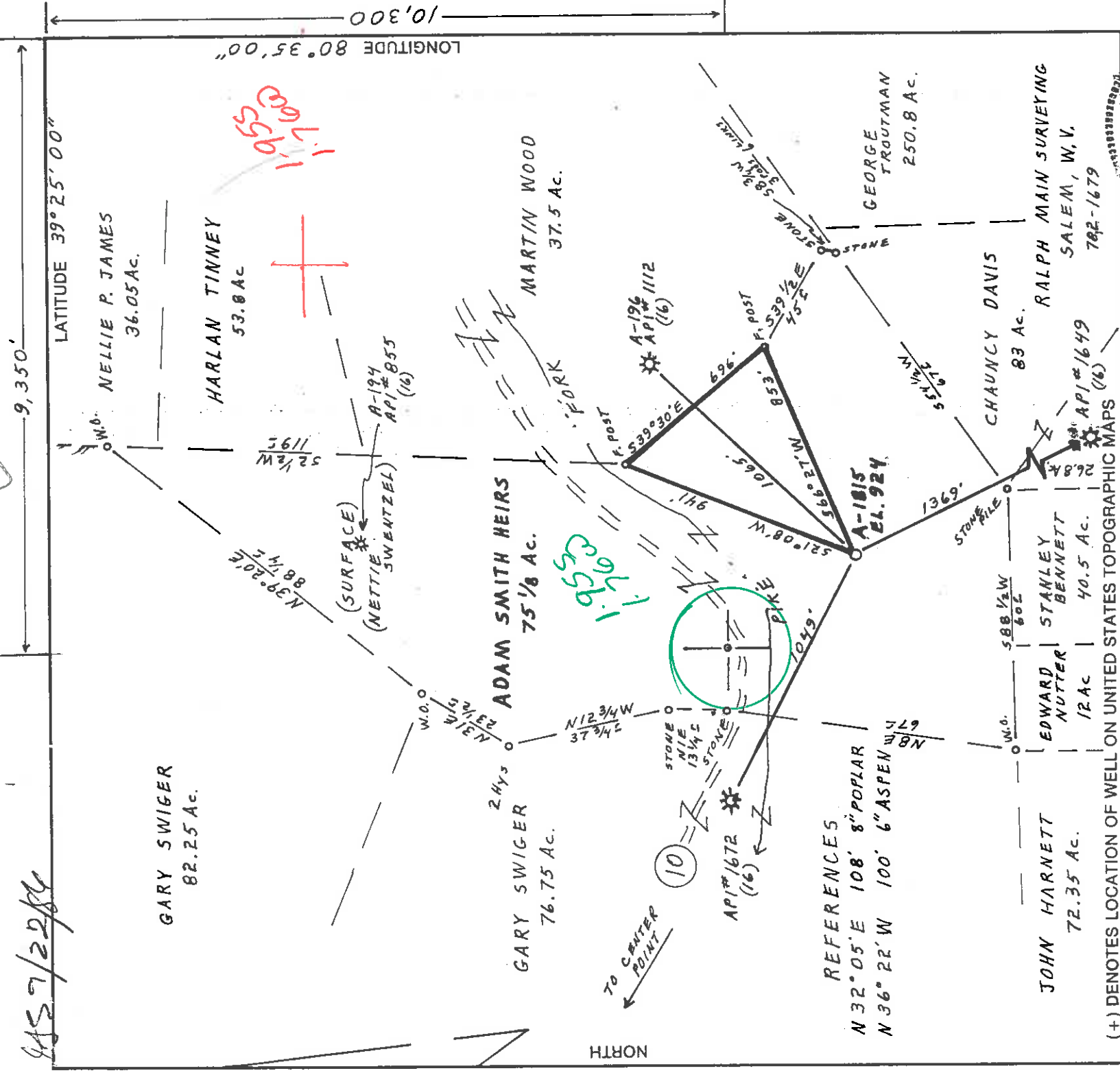
PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 LEASE NO. 411

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BIG ENJUN ESTIMATED DEPTH 2500'  
 WELL OPERATOR ALAMCO, INC. DESIGNATED AGENT MARTY PERRI  
 ADDRESS P.O. BOX 1740, CLARKSBURG, W.V. ADDRESS P.O. BOX 1740, CLARKSBURG, W.V.  
 W.V. 26302-1740

DODD COUNTY NAME  
 3514 PERMIT

47-017-3514  
 STATE COUNTY PERMIT

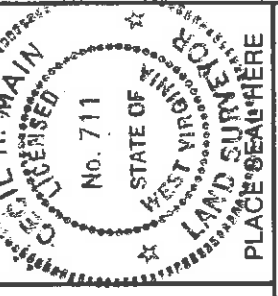
4457/2284



LATITUDE 39° 25' 00"  
 LONGITUDE 80° 35' 00"  
 9,350'

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200'  
 PROVEN SOURCE OF ELEVATION ALAMCO WELL A-196, API # 1112, EL. 933'

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) Carl R. Main  
 R.P.E. \_\_\_\_\_ L.L.S. 711



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE AUGUST 11, 1986  
 OPERATOR'S WELL NO. A-1815  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 924' WATER SHED PIKE FORK  
 DISTRICT Mc CLELLAN COUNTY DODDRIDGE  
 QUADRANGLE FOLSON 7.5' 349 ACRES 0.83  
 SURFACE OWNER NETTIE SWENTZEL ACREAGE 75.13  
 OIL & GAS ROYALTY OWNER ADAM SMITH HEIRS LEASE ACREAGE 75.18  
 LEASE NO. 411

COUNTY NAME \_\_\_\_\_ PERMIT \_\_\_\_\_

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 BIG INJUN ESTIMATED DEPTH 2500'  
 WELL OPERATOR ALAMCO, INC. DESIGNATED AGENT MARTY PERRI  
 ADDRESS P.O. BOX 1740, CLARKSBURG, W.V. ADDRESS P.O. BOX 1740, CLARKSBURG, W.V.  
W.V. 26302-1740 26302-1740

COUNTY NAME \_\_\_\_\_ PERMIT \_\_\_\_\_





1) Date: September 11, 1986  
 2) Operator's A-1815 (Swentzel)  
 Well No. 47 State 017-3514 County Permit  
 3) API Well No. 47 State 017-3514 County Permit

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

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

4) WELL TYPE: A  B (if "Gas", Production)   
 Elevation: McGlellan 924 Undergrnd storage Pike Fork Deep  Shallow   
 District: Alamco, Inc. CODE: 975 County: Doddridge Quadrangle: Folsom 7.5' 349  
 6) WELL OPERATOR: Alamco, Inc. CODE: 975 7) DESIGNATED AGENT: M. L. Perri  
 Address: P. O. Box 1740 Address: P. O. Box 1740  
Clarksburg, WV 26301 Address: Clarksburg, WV 26301

8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Region 7  
 Name 322 70th St.  
 Address Charleston, WV 25304

10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate   
 Plug off old formation  Perforate new formation   
 Other physical change in well (specify) Big Injun 371

11) GEOLOGICAL TARGET FORMATION, 2500 feet  
 12) Estimated depth of completed well, 100 feet, salt, 1/286 feet.  
 13) Approximate traata depths: Fresh, None Is coal being mined in the area? Yes  No   
 14) Approximate coal seam depths:

15) CASING AND TUBING PROGRAM **1 3/4 BY INSPECTORS REQUEST**

| CASING OR TUBING TYPE | Size Grade    | Weight per ft. | SPECIFICATIONS                      |                          | Left in well | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|---------------|----------------|-------------------------------------|--------------------------|--------------|--------------------------------------|---------|
|                       |               |                | Used                                | New                      |              |                                      |         |
| Conductor             | <u>10 1/4</u> |                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>200'</u>  | <u>Cement to surface</u>             |         |
| Fresh water           | <u>8-5/8"</u> | <u>20#</u>     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>1200'</u> | <u>Req. by rule 15.05</u>            |         |
| Coal                  | <u>4-1/2"</u> | <u>10.50#</u>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>2500'</u> | <u>Req. by rule 15.01</u>            |         |
| Intermediate          |               |                |                                     |                          |              | <u>Depths set</u>                    |         |
| Production            |               |                |                                     |                          |              |                                      |         |
| Tubing                |               |                |                                     |                          |              |                                      |         |
| Lin...                |               |                |                                     |                          |              |                                      |         |

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3514 Date October 7 19 86

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 7, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

|       |                    |                 |                   |                  |                 |                |                  |
|-------|--------------------|-----------------|-------------------|------------------|-----------------|----------------|------------------|
| Bond: | Agent: <u>A.B.</u> | Plat: <u>AS</u> | Casing: <u>AS</u> | Fee: <u>2658</u> | WPCP: <u>AS</u> | S&E: <u>AS</u> | Other: <u>AS</u> |
|-------|--------------------|-----------------|-------------------|------------------|-----------------|----------------|------------------|

NOTE: Keep one copy of this permit posted at the drilling location.  
John H. Johnston  
 Director, Division of Oil and Gas  
 File 47-017-3514

