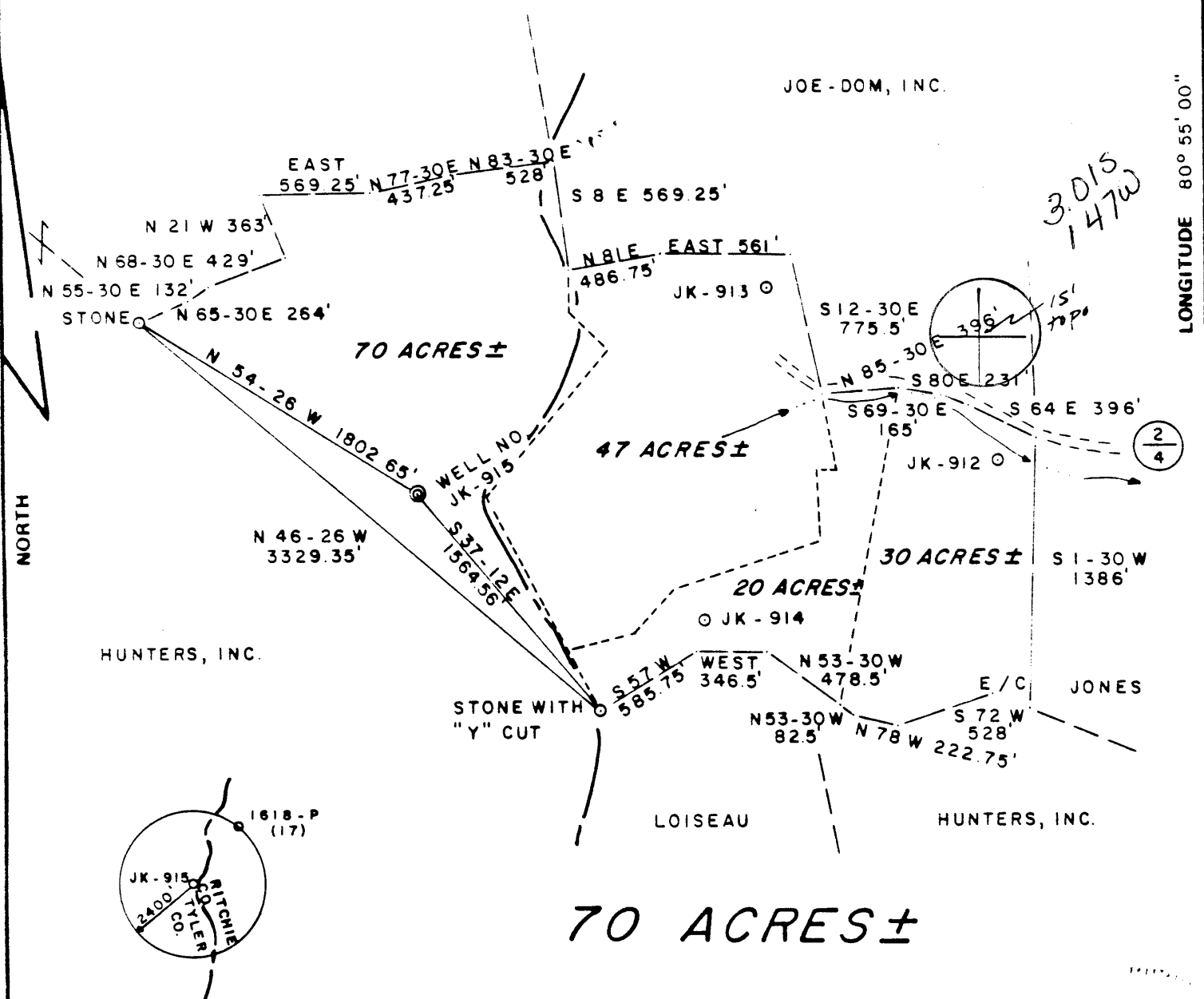


BISHOP LEASE WELL NO. JK-915

0.105
1.47W



LONGITUDE 80° 55' 00"

FILE NO. 13-13
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM ELEV. 997'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE MARCH 5, 19 84
 OPERATOR'S WELL NO. JK-915
 API WELL NO. 47-095-1066
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1333' WATER SHED A BRANCH OF THE NORTH FORK OF HUGHES RIVER
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE 539 PENNSBORO 7.5' West Union 15' WCY
 SURFACE OWNER OLEY J. & VELDA M. BISHOP ACREAGE 70
 OIL & GAS ROYALTY OWNER OLEY J. BISHOP, et. al. LEASE ACREAGE 70
 LEASE NO. JJ-1493

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 ALEXANDER ESTIMATED DEPTH 5550'
 WELL OPERATOR J.B.J. ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

APR 23 1984



1) Date: March 19, 1984
2) Operator's Well No. JK-915
3) API Well No. 47 - 095 - 1066
State County Permit

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: 1333' Watershed: BRANCH OF NORTH FORK OF HUGHES RIVER
District: Meade County: Tyler Quadrangle: Pennsboro
- 6) WELL OPERATOR J&J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff
Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Robert Lowther Name S.W. Jack Drilling Company
Address Gen. Delivery Address P.O. Box 48
Middlebourne, WV 26149 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

RECEIVED
MAR 28 1984

- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 12) Estimated depth of completed well, 5995 feet
- 13) Approximate strata depths: Fresh, 70 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 250-55 Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

OIL & GAS DIVISION
DEPT. OF MINES

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL UP OR SACKS (Cubic feet) | Kinds |
|-----------------------|----------------|-------|----------------|-----|------|------------------------------|------------------------------|--------------------------------------|---------------------------------|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | | |
| Conductor | 11 3/4 | H-40 | 42 | X | | 30 | 0 | 0 sks. | |
| Fresh water | 85/8 | ERW | 23 | X | | 1500 <u>1433'</u> | 1500 <u>1433'</u> | TO surface | <u>NEAT</u> |
| Coal | 85/8 | ERW | 23 | X | | 1500 | 1500 | TO surface | Sizes |
| Intermediate | | | | | | | | | |
| Production | 4 1/2 | J-55 | 10.5 | X | | 5950 | 5950 | 350 sks. | Depths set |
| Tubing | | | | | | | | | <u>OR AS REQ. BY RULE 15.01</u> |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1066

April 19, 1984
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 April 19, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|----------------------|------------------|-----------------|-------------------|------------------|
| Bond: BLANKET | Agent: <u>ls</u> | Plat: <u>MH</u> | Casing: <u>MH</u> | Fee: <u>1501</u> |
|----------------------|------------------|-----------------|-------------------|------------------|

T. J. ...
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