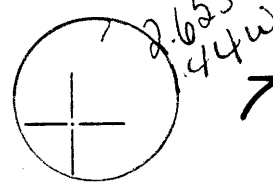
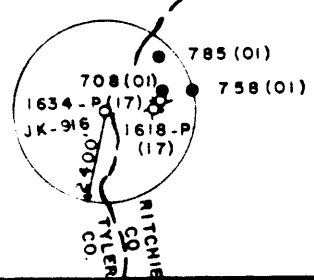
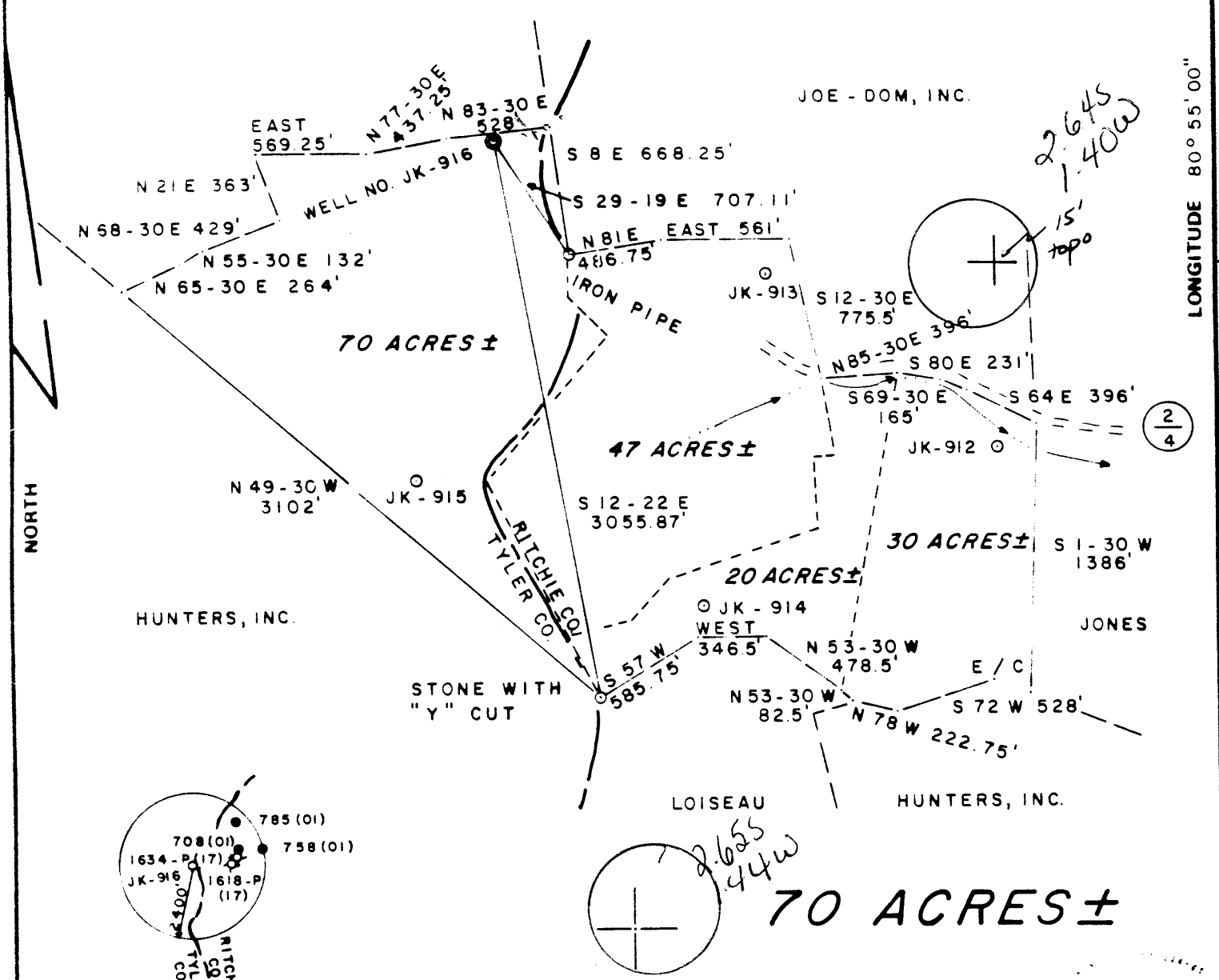


BISHOP LEASE WELL NO. JK-916



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)



DATE MARCH 6, 19 84
 OPERATOR'S WELL NO. JK-916
 API WELL NO. _____
47-095-1067
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WVDPG Database
 Conc. 4/22/86
 via 8/21/85

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION ELEVATION 1336' WATER SHED A BRANCH OF THE NORTH FORK OF HUGHES RIVER
 DISTRICT MEADE 4 COUNTY TYLER
 QUADRANGLE 10 MIDDLEBOURNE 7.5' West Union 15' WC +
 SURFACE OWNER OLEY J. & VELDA M. BISHOP ACREAGE 70 133
 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 5500'
 WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF
 ADDRESS P.O. BOX 48 427 ADDRESS P.O. BOX 48
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

APR 23 1984



1) Date: March 19, 19 84
 2) Operator's Well No. JK-916
 3) API Well No. 47 - 095 - 1067
 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 x /
 B (If "Gas", Production x / Underground storage / Deep / Shallow x /)
- 5) LOCATION: Elevation: 1336' Watershed: BRANCH OF NORTH FORK OF HUGHES RIVER
 District: Meade County: Tyler Quadrangle: Pennsboro 7.5
- 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 x / Drill deeper / Redrill / Stimulate x /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
- 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 x

RECEIVED
 MAR 28 1984

OIL & GAS DIVISION

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	DEPT OF MINES
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1500 1436	1500 1436	To surface	NEAT
Coal	8 5/8	ERW	23	x		1500	1500	To surface	
Intermediate									
Production	4 1/2	J-55	10.5	x		5950	5950	350 sks.	Depths set
Tubing									or as req. by rule 15.01
Liners									
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1067 Date April 19, 19 84

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: <u> </u>	Agent: <u> </u>	Plat: <u> </u>	Casing <u> </u>	Fee <u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>1502</u>

 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.