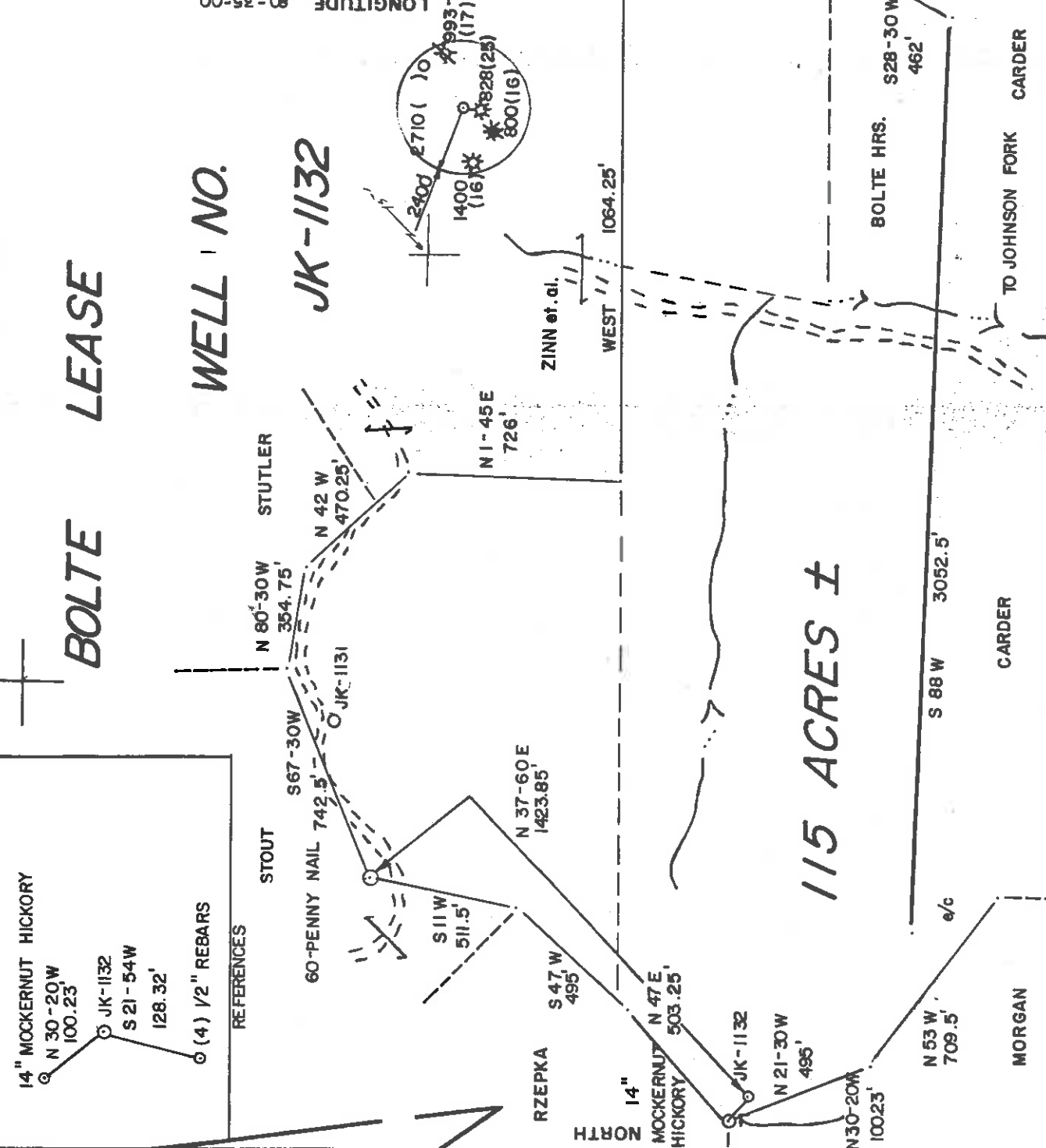


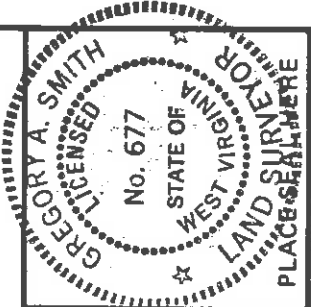
9310' LATITUDE 39-12-30
740' LONGITUDE 80-35-00

DODD 3411



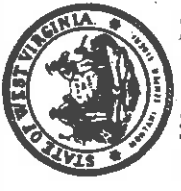
FILE NO. 16-46
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF _____
 ACCURACY 1/200
 PROVEN SOURCE OF _____
 ELEVATION _____
 B.M. ELEV. 129'

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



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

DATE NOVEMBER 13, 19 84
 OPERATOR'S WELL NO. JK 1132
 API WELL NO. 47-017-3411
 STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1394' WATER SHED JOHNSON FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5' ACREAGE 81
 SURFACE OWNER WILLIAM P. RZEPKA
 OIL & GAS ROYALTY OWNER BERNARD BOLTE, et al.
 LEASE NO. JK-222 LEASE ACREAGE 115

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

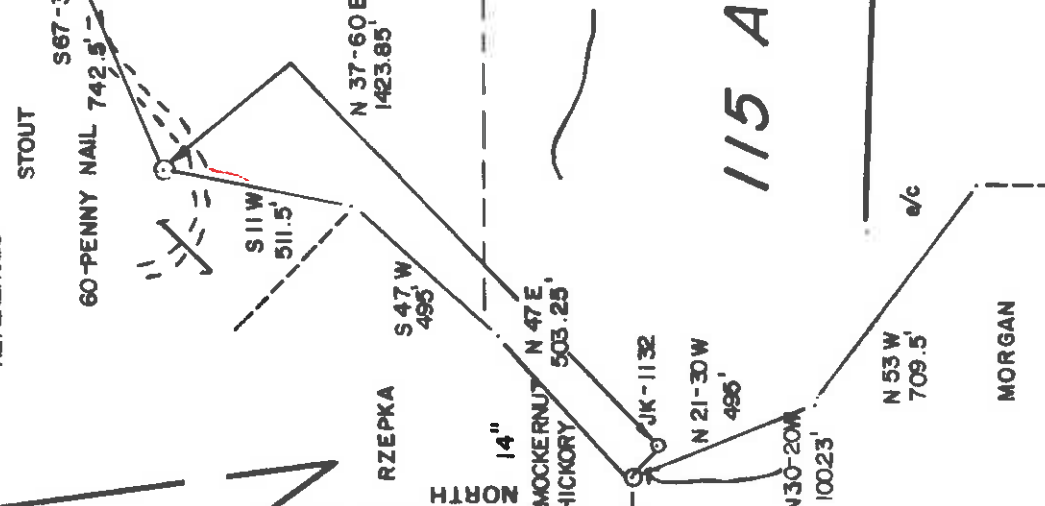
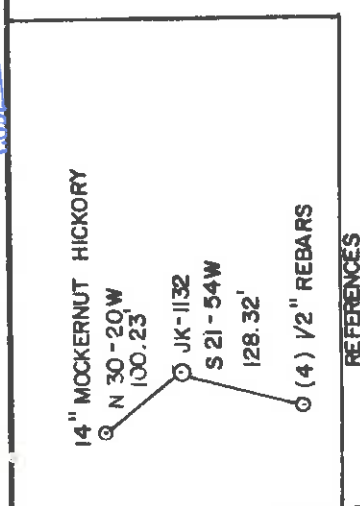
PLUG AND ABANDON CLEAN OUT AND REPLUG _____
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5700'
 WELL OPERATOR L&J ENTERPRISES, INC DESIGNATED AGENT RICHARD REDDEGLIFF
 ADDRESS P O BOX 48 ADDRESS P O BOX 48
 BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

MAR 09 1987

CODE 01320 PLOT 39 15

LATITUDE 39-12-30

LONGITUDE 80-35-00



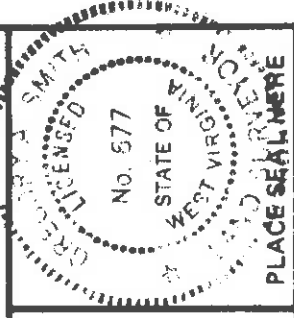
BOLTE LEASE

WELL NO. JK-1132

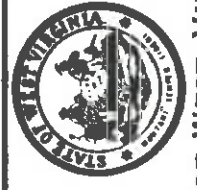
115 ACRES ±

FILE NO. 16-46
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B.M. ELEV. 1291'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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. 577



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



DATE NOVEMBER 13, 19 84
 OPERATOR'S WELL NO. JK 1132
 API WELL NO. _____
47-017 - 3411
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1394' WATER SHED JOHNSON FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 367.5' Vealis 15' NE-2
 SURFACE OWNER WILLIAM P. RZEPKA ACRES 81
 OIL & GAS ROYALTY OWNER BERNARD BOLTE, et. al. LEASE ACREAGE 115
 LEASE NO. JK-222

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 5700'
 WELL OPERATOR J.B.J. ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDDECLIFF
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

MAR 18 1985

RECEIVED

JAN 30 1985



1) Date: December 28 19 84
 2) Operator's Well No. JK-1132
 3) API Well No. 47 - 017 - 3411
 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: 1394' Watershed: Johnson Fork
 District: Greenbrier County: Doddridge Quadrangle: Big Isaac
 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 24150 Buckhannon, WV 26201
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name: Mike Underwood 9) DRILLING CONTRACTOR:
 Address: Rt. 2 Box 114 Name: S.W. Jack Drilling Co.
Sallem, WV 26426 Address: P.O. Box 48
Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Alexander
 12) Estimated depth of completed well, 5477' feet
 13) Approximate trata depths: Fresh, 2495' feet; salt, N/A feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	For drilling	Left in well		
Conductor	11 3/4	H-40	42	X	530	530	0 sacks <i>by rule</i>
Fresh water	8 5/8	ERW	23	X	1994'	1994'	To surface
Coal	8 5/8	ERW	23	X	1994'	1994'	To surface
Intermediate							
Production	4 1/2	J-55	10.5	X	4727'	4727'	300 sacks
Tubing							or as required by rule 15-01
Liners							Perforations:
							Top
							Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3411 Date March 8, 19 85

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 March 8, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>82</u>	<u>MW</u>	<u>MW</u>	<u>MX</u>	<u>1909</u>

Margaret J. Hawn
 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