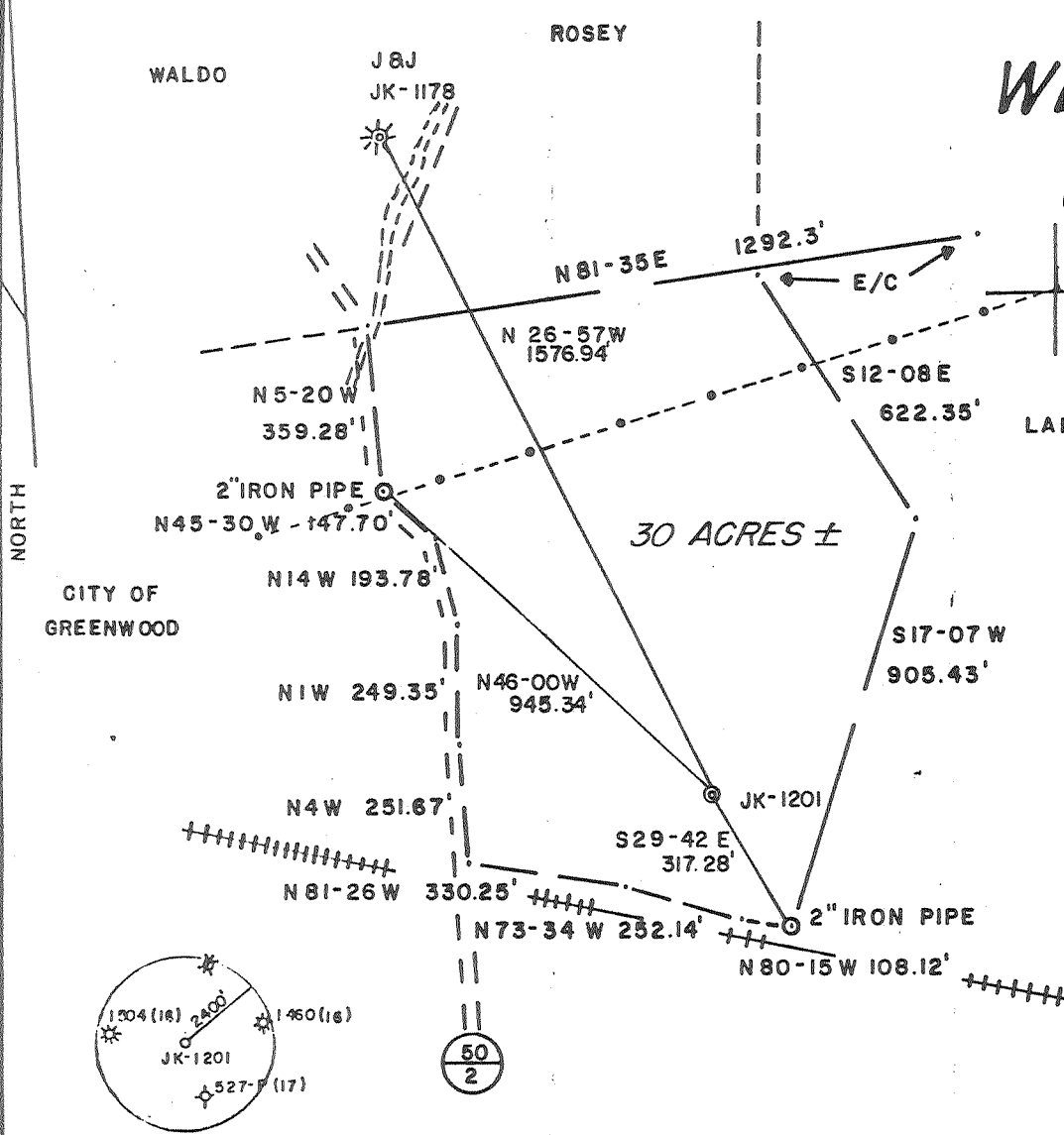


MURPHY LEASE

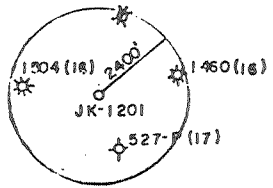
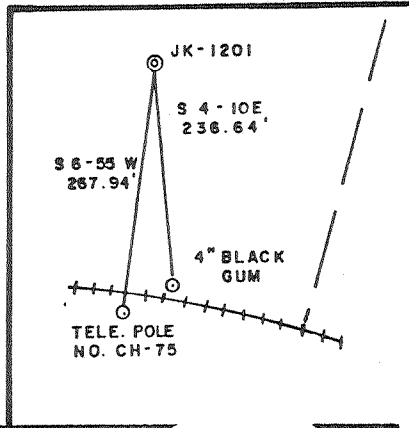
WELL NO. JK-1201



LONGITUDE 80-52-30
5480'

NORTH

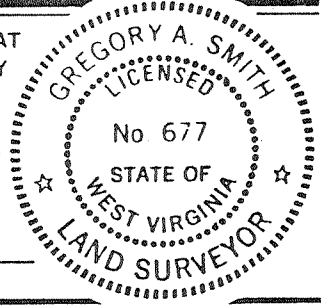
REFERENCES



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE MAY 24, 1985
 OPERATORS WELL NO. JK-1201
 API WELL NO. 47-017-3435
 STATE COUNTY PERMIT
CANCELLED

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.

L.L.S. 677 *Gregory A. Smith*



MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 18-15
 PROVEN SOURCE OF ELEVATION B.M. ELEV. = 890' SCALE 1"=400'



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 886' WATERSHED DOTSON RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE PENNSBORO 7.5'
 SURFACE OWNER DELBERT R. MURPHY ACREAGE 30
 OIL & GAS ROYALTY OWNER DELBERT R. MURPHY et al. LEASE ACREAGE 30
 LEASE NO. JJ-1920

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF
 OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION RHINE STREET
 ESTIMATED DEPTH 5995' 25 1988

WELL OPERATOR J & J ENTERPRISES, INC. 427 DESIGNATED AGENT RICHARD REDDECLIFF
 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201

COUNTY NAME 0000
PERMIT 2555

575

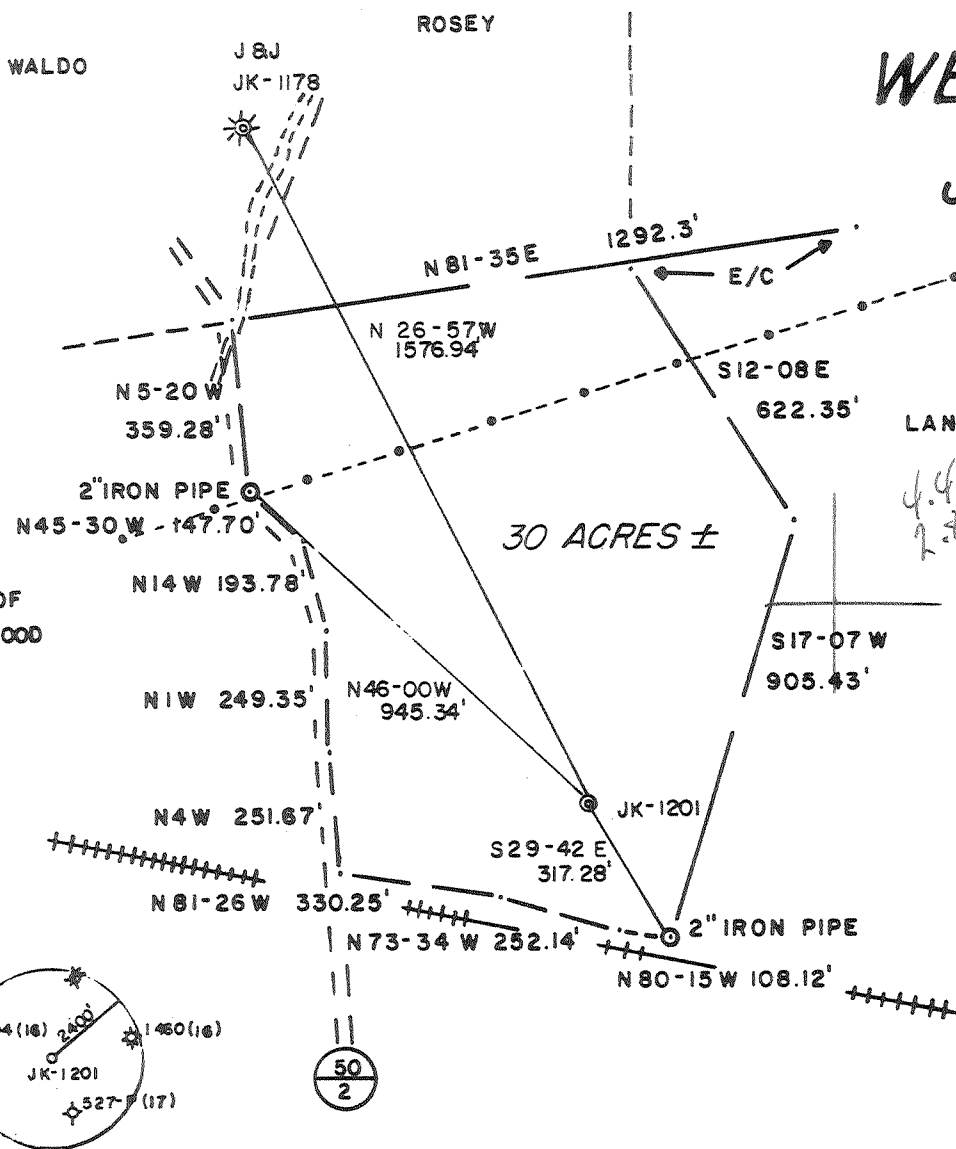
CODE _____ CARD _____ PLOT _____

MURPHY LEASE

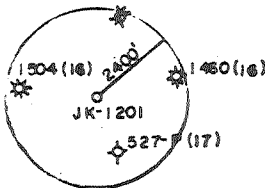
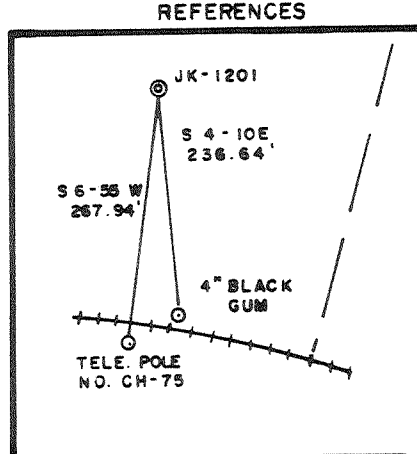
WELL NO. JK-1201

LONGITUDE 80-52-30

5480



LANG
 4.405
 2.80W
 1.525
 0.57W

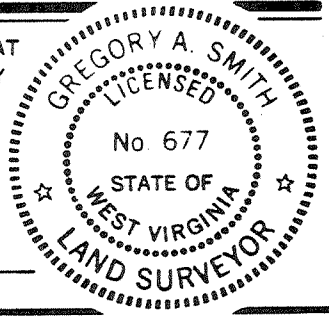


SLS SMITH LAND SURVEYING

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE MAY 24, 1985
 OPERATORS WELL NO. JK-1201
 API WELL NO.
47 - 017 - 3455
 STATE COUNTY PERMIT

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.

L.L.S. Gregory A. Smith
 677



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 18-15
 PROVEN SOURCE OF ELEVATION B.M. ELEV. = 890' SCALE 1" = 400'



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 886' WATERSHED DOTSON RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE PENNSBORO 7.5' 539
 SURFACE OWNER DELBERT R. MURPHY ACREAGE 30 West Union 133
 OIL & GAS ROYALTY OWNER DELBERT R. MURPHY et al. LEASE ACREAGE 30 SC 8
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF _____
 OLD FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION RHINE STREET
 ESTIMATED DEPTH 5995'

WELL OPERATOR J&J ENTERPRISES, INC. 927 DESIGNATED AGENT RICHARD REDDECLIFF
 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201

AUG 8 1985



1) Date: May 29, 19 85
 2) Operator's Well No. JK-1201
 3) API Well No. 47 -017-3455
 State County Permit

RECEIVED
 JUL 9 1985

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

APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION

- 4) WELL TYPE: W / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 886' Watershed: Dotson Run
 District: Central / County: Doddridge Quadrangle: Pennsboro 7.5' 538
- 6) WELL OPERATOR: J & J Enterprises, Inc. 427 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 9) DRILLING CONTRACTOR:
 Name: Mike Underwood Name: S.W. Jack Drilling Co.
 Address: Rt. 2, Box 114 Address: P.O. Box 48
Salem, WV 26426 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, Rhine Street 437
- 12) Estimated depth of completed well, 5995' feet
- 13) Approximate strata depths: Fresh, 125' feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No X /

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.	New	Used	For drilling	Left in well		Kind	Sizes
Conductor	11 3/4	H-40	42	X		<u>20' / 55'</u>	<u>155'</u>	0 Sacks	<u>CTS by rule</u>	<u>15.05</u>
Fresh water	8 5/8	ERW	23	X		<u>1486'</u>	<u>1486'</u>	To Surface		
Coal	8 5/8	ERW	23	X		<u>1486'</u>	<u>1486'</u>	To Surface	Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	X		<u>5995'</u>	<u>5945'</u>	<u>300 Sacks</u>	Depths set	
Tubing								<u>or as required by rule 15-01</u>		
Liners									Perforations:	
									Top	Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3455 Date July 30 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 July 30, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>ALB</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1998</u>
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[Signature]

Administrator, Office of Oil and Gas
 DIRECTOR

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