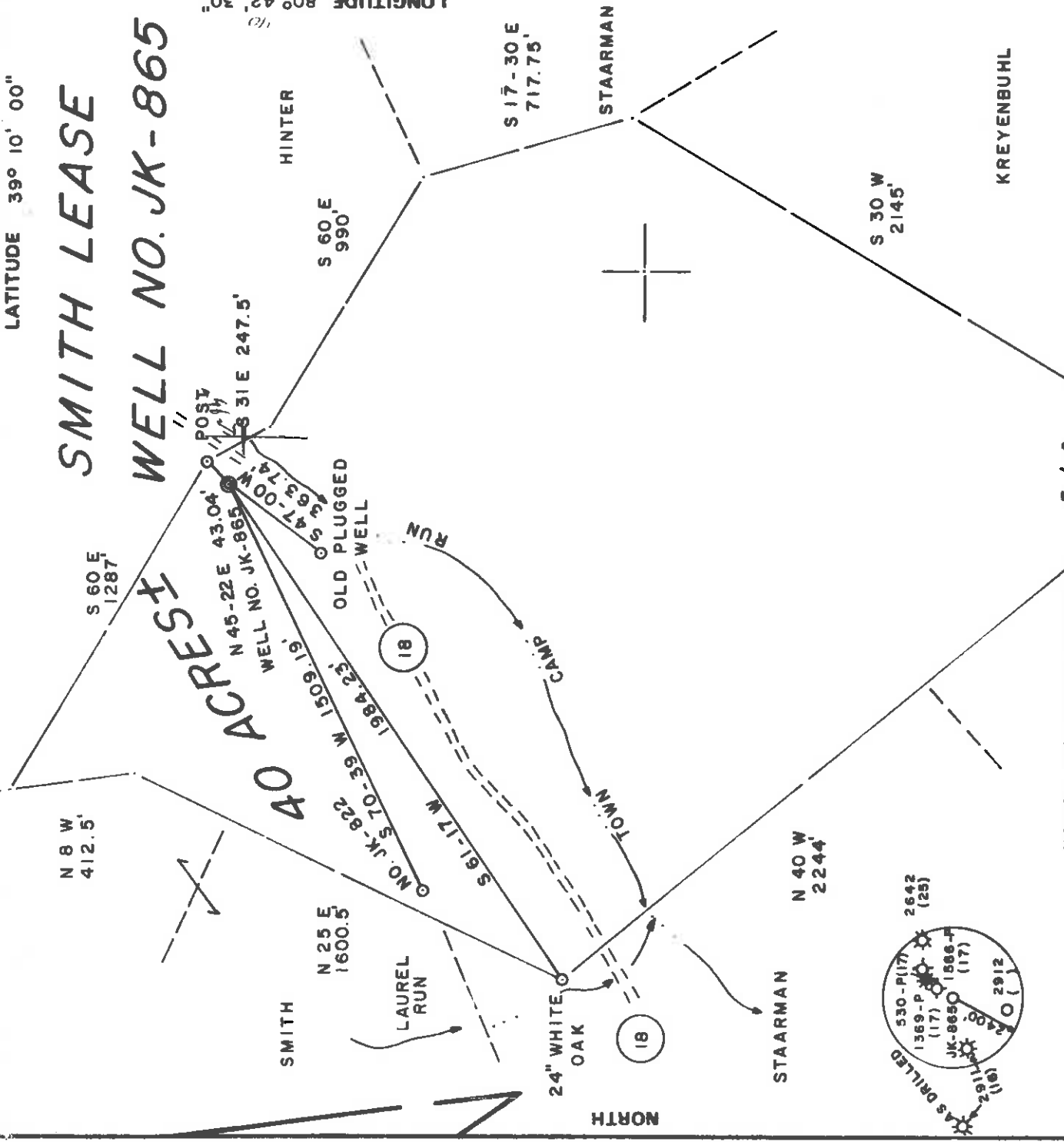


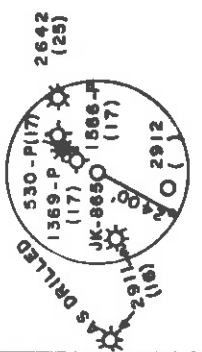
SMITH LEASE WELL NO. JK-865

40 ACRES



NOTE: 130 ACRES SHOWN E / C

FILE NO. 12-29
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 / 200
 PROVEN SOURCE OF ELEVATION JUNCT. OF ROADS
 ELEV. 896'



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 T. Smith
 R.P.E. _____ L.L.S. 677

(+) 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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 943' WATER SHED TOWN CAMP RUN
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON ACREAGE 130
 SURFACE OWNER BERNARD SMITH
 OIL & GAS ROYALTY OWNER BERNARD SMITH LEASE ACREAGE 40 of 130
 LEASE NO. JK-13
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

DATE JAN. 21, 19 84
 OPERATOR'S WELL NO. JK-865
 API WELL NO. _____

47 - 017 - 3290
 STATE COUNTY PERMIT
Conceller

PLACE SEAL HERE

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5150'
 WELL OPERATOR J.B. ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF
 ADDRESS P.O. BOX 48 ADDRESS BUCKHANNON, WV 26201
BUCKHANNON, WV 26201

FEB 04 1985

0675 0000

3,860'

Plot Card CSD

LATITUDE 39° 10' 00"

LONGITUDE 80° 42' 30"

SMITH LEASE WELL NO. JK-865

S 60 E
1287'

N 8 W
412.5'

40 ACRES

POST
15
1.043
2.043
3.043
4.043
5.043
6.043
7.043
8.043
9.043
10.043
11.043
12.043
13.043
14.043
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41.043
42.043
43.043
44.043
45.043
46.043
47.043
48.043
49.043
50.043

WELL NO. JK-865

S 47-00 W
1363.74'

S 60 E
1287'

S 60 E
990'

SMITH

N 25 E
1600.5'

LAUREL
RUN

OLD PLUGGED
WELL

18

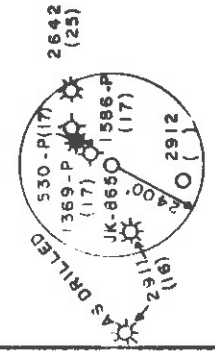
S 61-17 W
1984.23'

24" WHITE
OAK

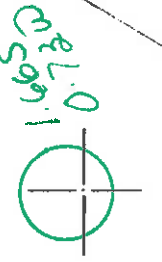
18

STAARMAN

N 40 W
2244'



S 17-30 E
717.75'



STAARMAN

S 30 W
2145'

KREYENBUHL

NOTE: 130 ACRES SHOWN E / C

FILE NO. 12-29
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF
 ACCURACY 1 / 200
 PROVEN SOURCE OF
 ELEVATION JUNCT. OF ROADS
 ELEV. 896'

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 T. Smith
 R.P.E. L.L.S. 677

PLACE SEAL HERE



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

DATE JAN. 21, 19 84
 OPERATOR'S WELL NO. JK-865
 API WELL NO. _____

47 - 017 - 3290
 STATE COUNTY PERMIT

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

WELL TYPE OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION ELEVATION 943' WATER SHED TOWN CAMP RUN
 DISTRICT COVE 2 COUNTY DODDRIDGE

QUADRANGLE NEW MILTON 5N 7.5' ACREAGE 130
 SURFACE OWNER BERNARD SMITH
 OIL & GAS ROYALTY OWNER BERNARD SMITH LEASE ACREAGE 40 of 130

LEASE NO. JK-13
 PROPOSED WORK DRILL X 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 5150'
 WELL OPERATOR J.B. ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF
 ADDRESS P.O. BOX 48 P.O. BOX 48
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201



1) Date: February 7, 19 84
 2) Operator's Well No. JK-865
 3) API Well No. 47 - 017 - 3290
 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
 5) LOCATION: Elevation: 943 Undergrnd storage Deep Shallow
 District: Cove Watershed: Town Camp Run
 County: Doddridge
 6) WELL OPERATOR J&J Enterprises, Inc. Quadrangle: New Milton 7.5
 Address P.O. Box 48 Address P.O. Box 48
 Buckhannon, WV 26201 Buckhannon, WV 26201
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Harold Mike Underwood
 Address Rt. # 2, Box 114 P.O. Box 48
 Salem, WV 26426

9) DRILLING CONTRACTOR:
 Name S.W. Jack Drilling Company
 Address P.O. Box 48
 Buckhannon, WV 26201

RECEIVED
 FEB 10 - 1984

10) PROPOSED WELL WORK: Drill deeper Drill 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, 5150 feet
 13) Approximate trata depths: Fresh, 253 feet; salt, 0 feet.
 14) Approximate coal seam depths: 250, 550 Is coal being mined in the area? Yes

DEPT. OF MINES
 DIVISION

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILLING OR SACKS (Cubic feet)
	Size	Grade	Weight per ft.	New	Used	For drilling	
Conductor	11 3/4	H-40	42	X		30	0
Fresh water	8 5/8	ERW	23	X		1000	1000
Coal	8 5/8	ERW	23	X		1000	1000
Intermediate							
Production	4 1/2	J-55	10.5	X		5100	5100
Tubing							
Liners							

Depths set
 Perforations:
 Top Bottom
 or as req. by rule 5.0

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3290 Date March 6, 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 March 6, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
ANKET	lp	MH	MH	1922

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

[Signature]
 Administrator, Office of Oil and Gas

See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File

