

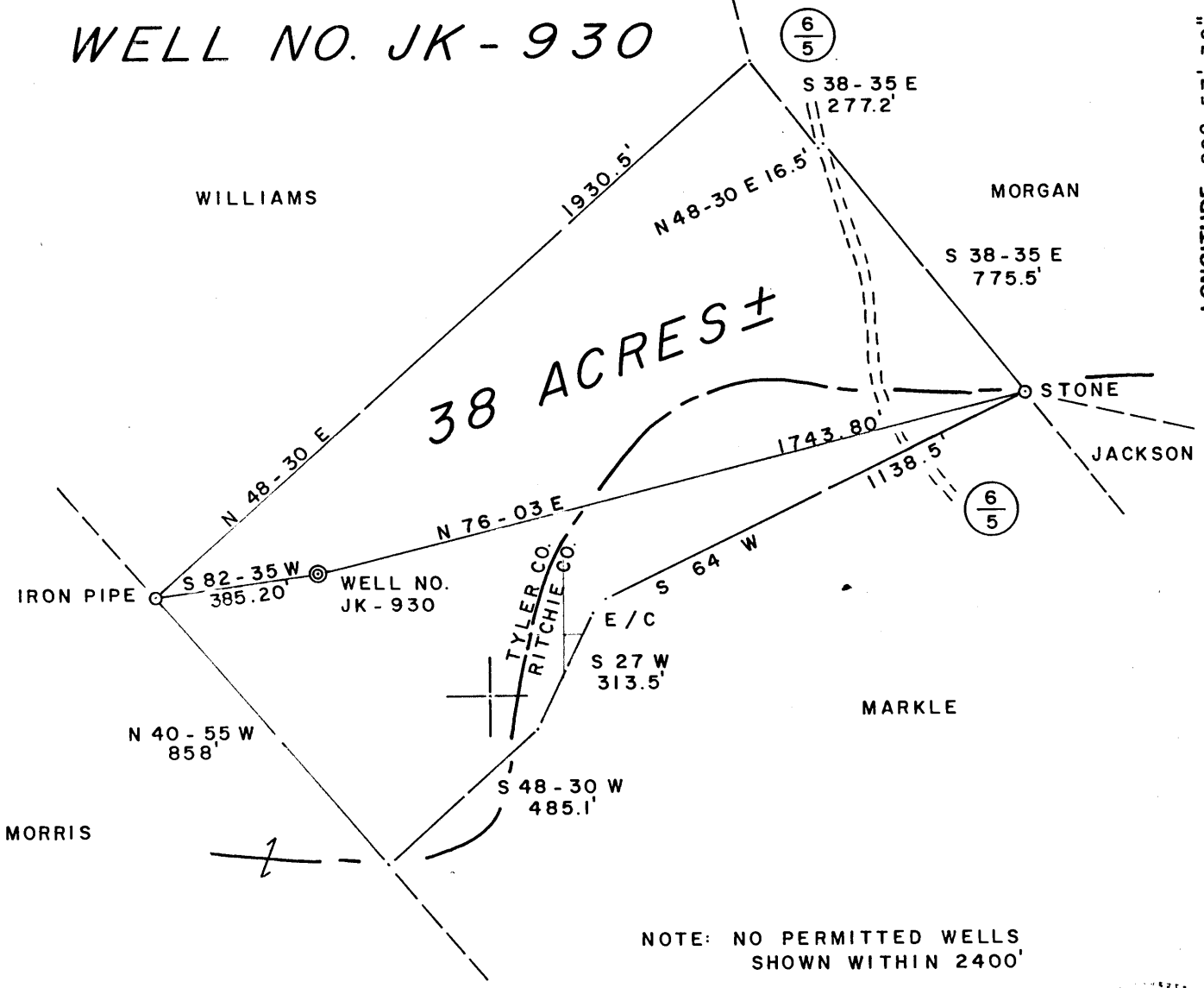
8,990'

LATITUDE 39° 22' 30"

MARKLE LEASE WELL NO. JK-930

LONGITUDE 80° 57' 30"

NORTH

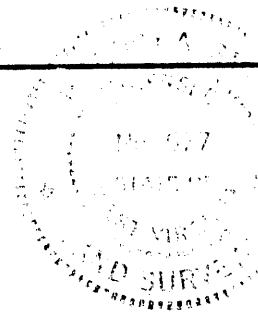


NOTE: NO PERMITTED WELLS SHOWN WITHIN 2400'

FILE NO. 13-17
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEV. 1225'

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 20, 1984
 OPERATOR'S WELL NO. JK-930
 API WELL NO. _____
47-095-1060
 STATE COUNTY PERMIT

Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1057' WATER SHED BRUSH RUN
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER WILLIAM & JULIA A. MARKLE ACREAGE 38
 OIL & GAS ROYALTY OWNER WILLIAM B. MARKLE LEASE ACREAGE 38
 LEASE NO. JJ-1498

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5990'
 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

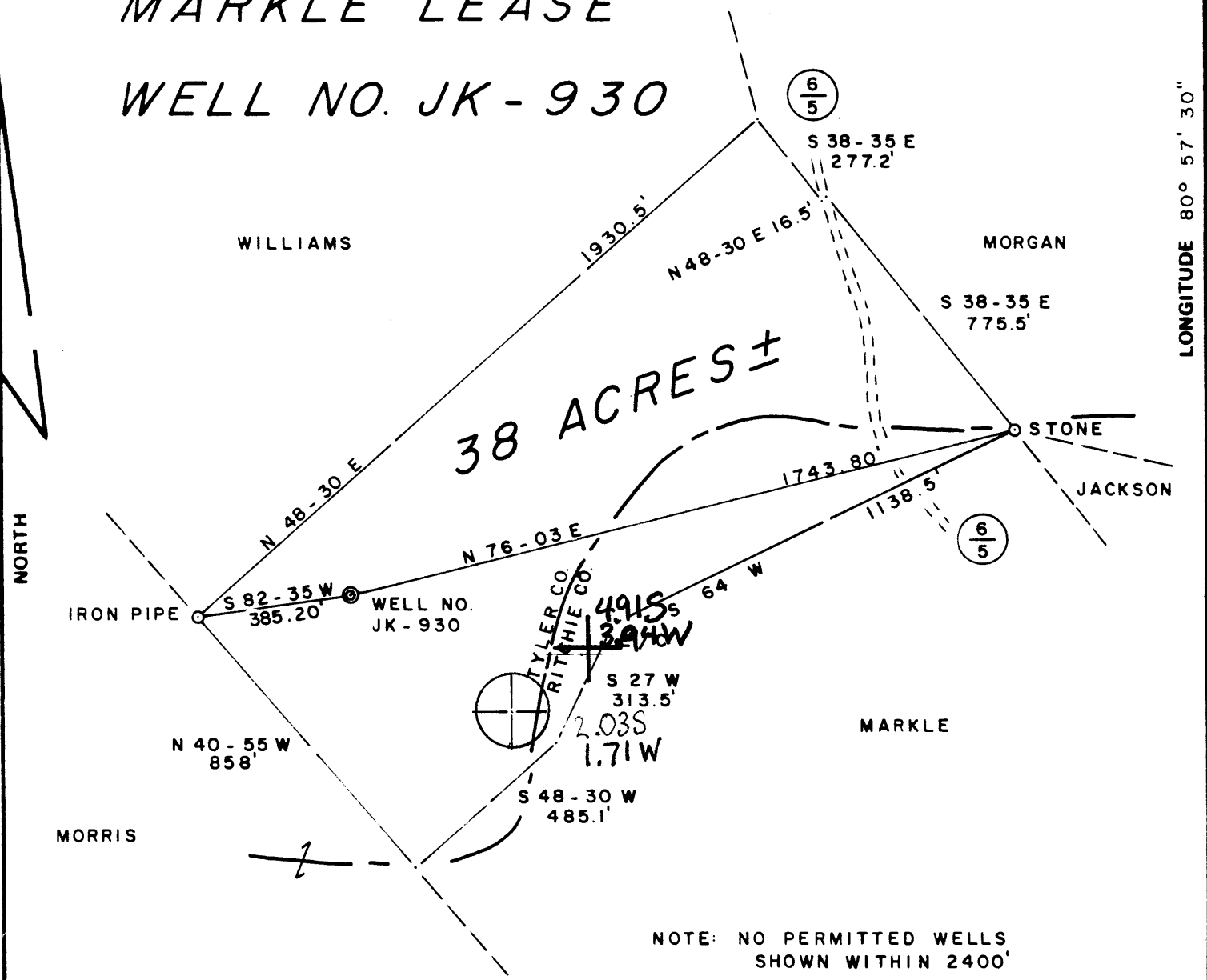
OCT 14 1986

TYLER 1980

Plot Card CSD

MARKLE LEASE

WELL NO. JK-930



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(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 20, 19 84
 OPERATOR'S WELL NO. JK-930
 API WELL NO. 47-095-1060
 STATE WEST VIRGINIA COUNTY TYLER PERMIT 133-38

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 1057' WATER SHED BRUSH RUN
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE 539 PENNSBORO 7.5' West Union 15' WC 4

SURFACE OWNER WILLIAM B JULIA A. MARKLE ACREAGE 133 38
 OIL & GAS ROYALTY OWNER WILLIAM B. MARKLE LEASE ACREAGE 38
 LEASE NO. JJ-1498

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 DEVONIAN SHALE ESTIMATED DEPTH 5990'
 WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF
 ADDRESS P. O. BOX 48 BUCKHANNON, WV 26201 ADDRESS P. O. BOX 48 BUCKHANNON, WV 26201

MAR 26 1984



1) Date: MARCH 21, 1984
 2) Operator's Well No. JK-930
 3) API Well No. 47 - 095 - 1060
 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: 1057' Watershed: BRUSH RUN
 District: MEADE County: TYLER Quadrangle: PENNSBORO 7.5'
- 6) WELL OPERATOR J & J ENTERPRISES, INC.
 Address P.O. BOX 48
BUCKHANNON, WV 26201
- 7) DESIGNATED AGENT RICHARD M. REDDECLIFF
 Address P.O. BOX 48
BUCKHANNON, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name ROBERT A. LOWTHER
 Address GENERAL DELIVERY
MIDDLEBOURNE, WV 26149
- 9) DRILLING CONTRACTOR:
 Name S.W. JACK Drilling Co.
 Address P.O. BOX 48
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) _____
- 11) GEOLOGICAL TARGET FORMATION, DEVONIAN SHALE
- 12) Estimated depth of completed well, 5990' feet
- 13) Approximate trata depths: Fresh, 270' feet; salt, 0 feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes No

RECEIVED
 MAR 23 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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		
Conductor	113/4	H40	42	X		30'	0		Kinds
Fresh water	8 5/8	ERW	23	x		1300 1157	1300 1157	To surface	by rule 15-05 Sizes
Coal	8 5/8	ERW	23	x		1300 1157	1300 1157	TO surface	
Intermediate									
Production	4 1/2	J55	10 1/2	X		5990'	5940'	450 sks.	Depths set
Tubing								or as req. by rule 15.0,	Perforations: Top Bottom
Liners									

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1060 Date March 23, 1984

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 23, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bonds <u>BLANKET</u>	Agent: <u>L P</u>	Plat: <u>MHI</u>	Casing <u>MHI</u>	Fee <u>1494</u>
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Margaret J. Hasse
 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