

JONES LEASE

RIGGS

64 ACRES ±

LONGITUDE 81-00-00

NORTH

STONE ● WELL NO. JK-971

N 89-01 W 247.20'
S 70 W 1320'

S 4-01 E 1873.35'

N 17 W 2392.5'

S 11-26 E 1910.89'



S 9-21 E 1506.78'

RUN

PLUM

● JK-970

McHENRY



NOTE: NO PERMITTED WELLS SHOWN WITHIN 2400'

24" BLACK OAK

S 89 E 1369.5'

MORGAN

TO A 24" SCARLET OAK - S 84-41 E 57.87'

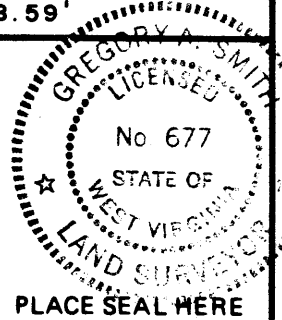
WELL NO. JK-971

TO A 4" MOCKERNUT HICKORY S 2-05 E 118.59'

FILE NO. 13-33
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 / 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
 ELEV. = 1142'

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 APRIL 26, 19 84

OPERATOR'S WELL NO. JK-971

API WELL NO. _____

47 - 095 - 1070
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1005' WATER SHED PLUM RUN

DISTRICT MEADE COUNTY TYLER

QUADRANGLE BENS RUN 7.5'

SURFACE OWNER HARRY A. JONES ACREAGE 64

OIL & GAS ROYALTY OWNER HARRY A. JONES LEASE ACREAGE 64

LEASE NO. JJ-1610

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 5995'

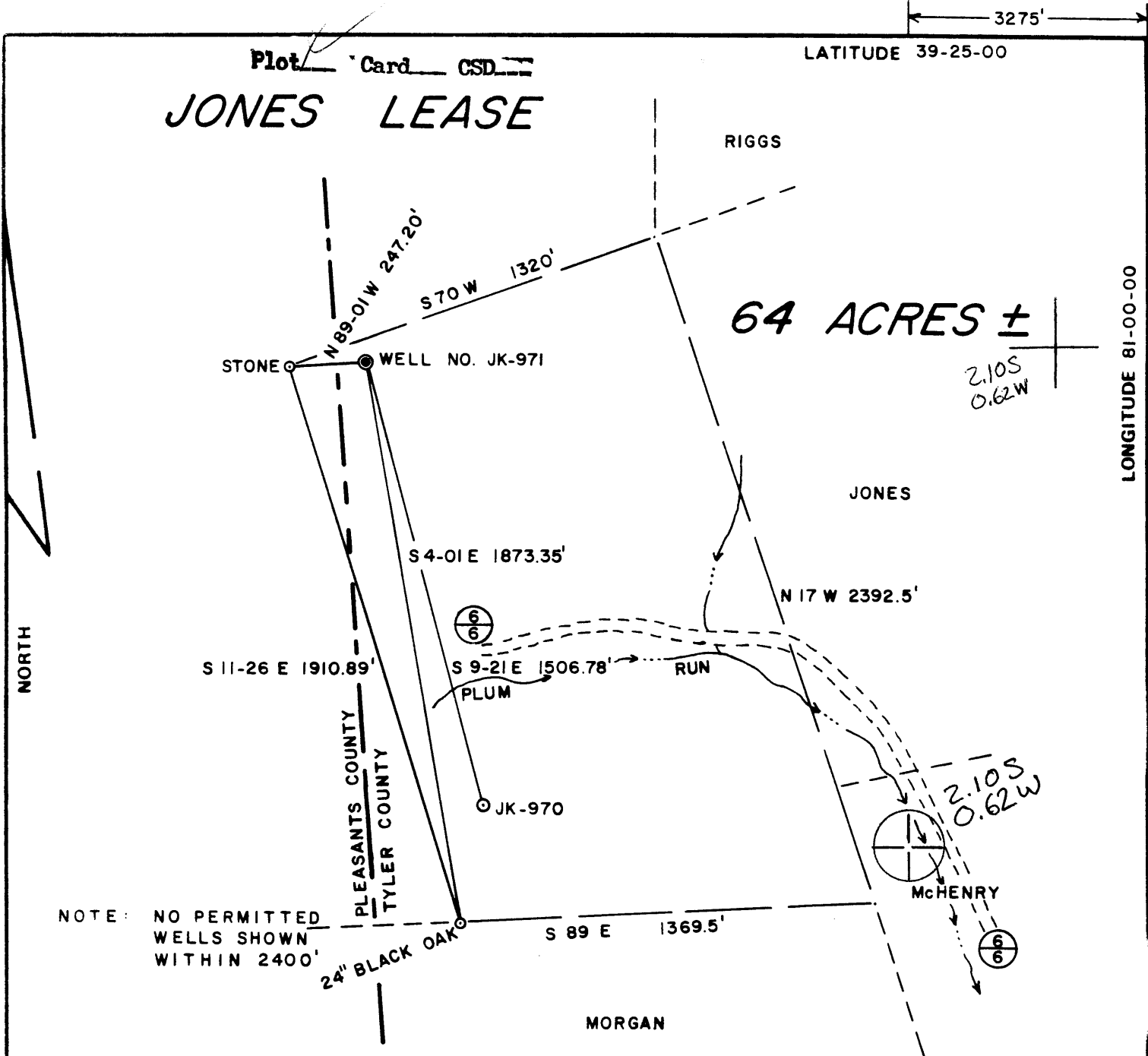
WELL OPERATOR J&J ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF

ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48

BUCKHANNON, WV. 26201 BUCKHANNON, WV. 26201

OCT 28 1985

John 1070



FILE NO. 13-33
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEV.=1142'

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 APRIL 26, 1984
 OPERATOR'S WELL NO. JK-971
 API WELL NO. _____
47 - 095 - 1070
 STATE COUNTY PERMIT

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 1005' WATER SHED PLUM RUN
 DISTRICT MEADE 4 COUNTY TYLER
 QUADRANGLE BENS RUN 7.5' 24) St. Mary S 116' EC6
 SURFACE OWNER HARRY A. JONES ACREAGE 64
 OIL & GAS ROYALTY OWNER HARRY A. JONES LEASE ACREAGE 64
 LEASE NO. JJ-1610
 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 5995'
 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

MAY 29 1984



1) Date: MAY 1, 19 84
 2) Operator's Well No. JK-971
 3) API Well No. 47 - 095 - 1070
 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: 1005' Watershed: PLUM RUN
 District: MEADE County: TYLER Quadrangle: BENS RUN 7.5'
- 6) WELL OPERATOR J & J ENTERPRISES, INC. 7) DESIGNATED AGENT RICHARD M. 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 A. LOWTHER Name S.W. JACK DRILLING CO.
 Address GENERAL 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, 100' feet; salt, N/A feet.
- 14) Approximate coal seam depths: NONE 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		
Conductor	11 3/4	H-40	42	X		30	0	0 Sacks	Kinds
Fresh water	8 5/8	ERW	23	X		1105'	1105'	To surface	<u>NEAT</u>
Coal	8 5/8	ERW	23	X		1105'	1105'	To surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5950'	5950'	350 Sacks	Depths set
Tubing								or as required by Rule 15-01	
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1070 Date May 23, 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 May 23, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>B3</u>	Agent: <u>OK</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1549</u>
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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