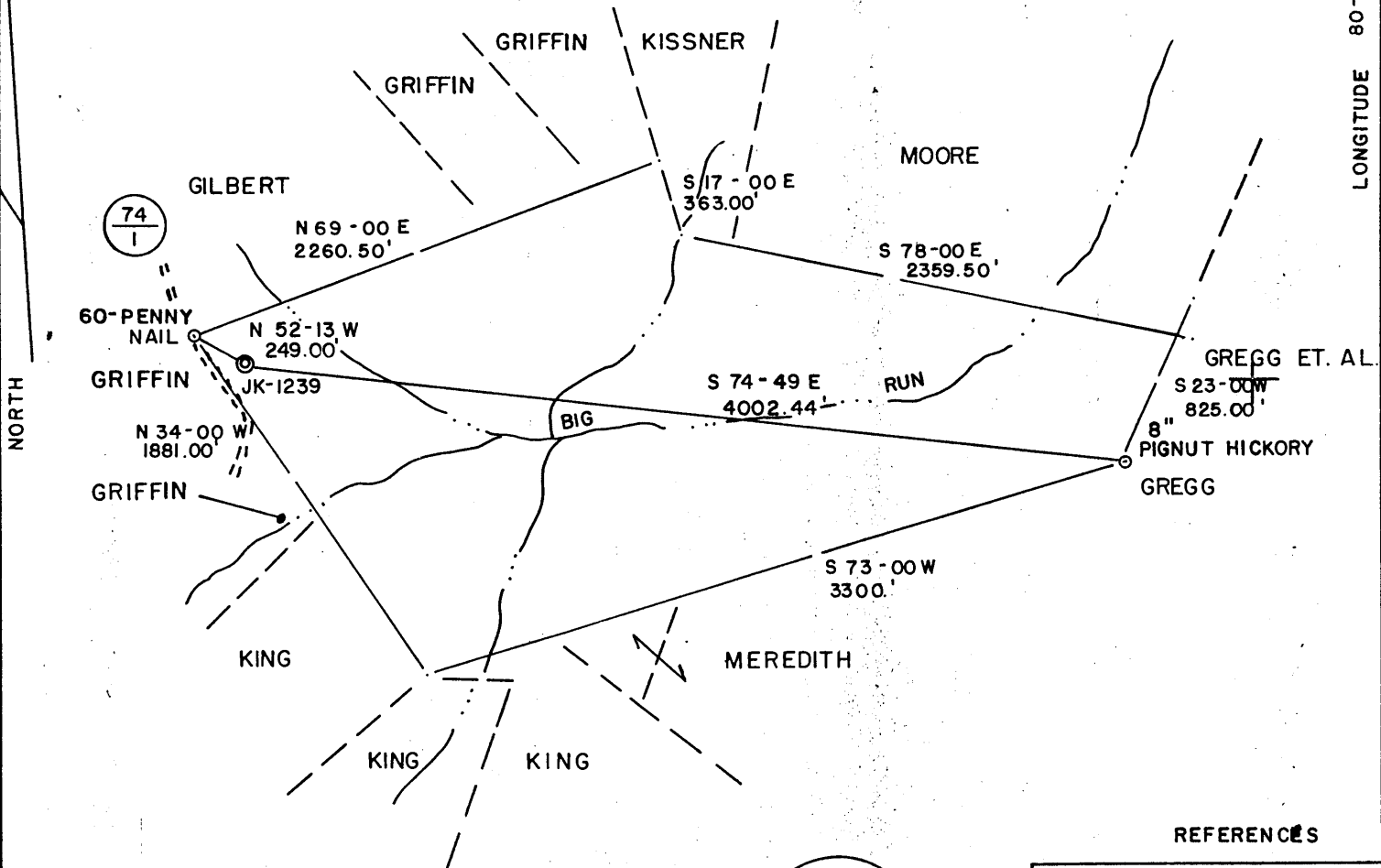


HESS LEASE

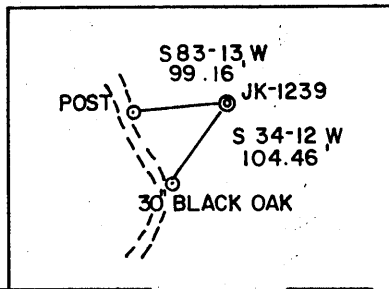
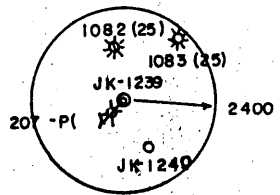
WELL NO. JK-1239

LONGITUDE 08-25-30



125 ACRES ±

REFERENCES

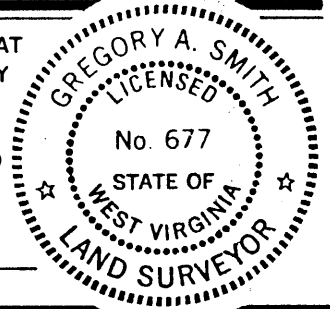


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE SEPT. 9, 19 85
 OPERATORS WELL NO. JK-1239

API WELL NO. 47-095-1116
 STATE 47 COUNTY 095 PERMIT 1116
 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 ENERGY.

L.L.S. 677 Gregory A. Smith



MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 17-65
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 1199' SCALE 1" = 800'



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1106' WATERSHED BIG RUN
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE PENNSBORO 7.5'
 SURFACE OWNER O.W. GRIFFIN ACREAGE 125
 OIL & GAS ROYALTY OWNER GARNET I. HESS, et. al. LEASE ACREAGE 125

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'

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

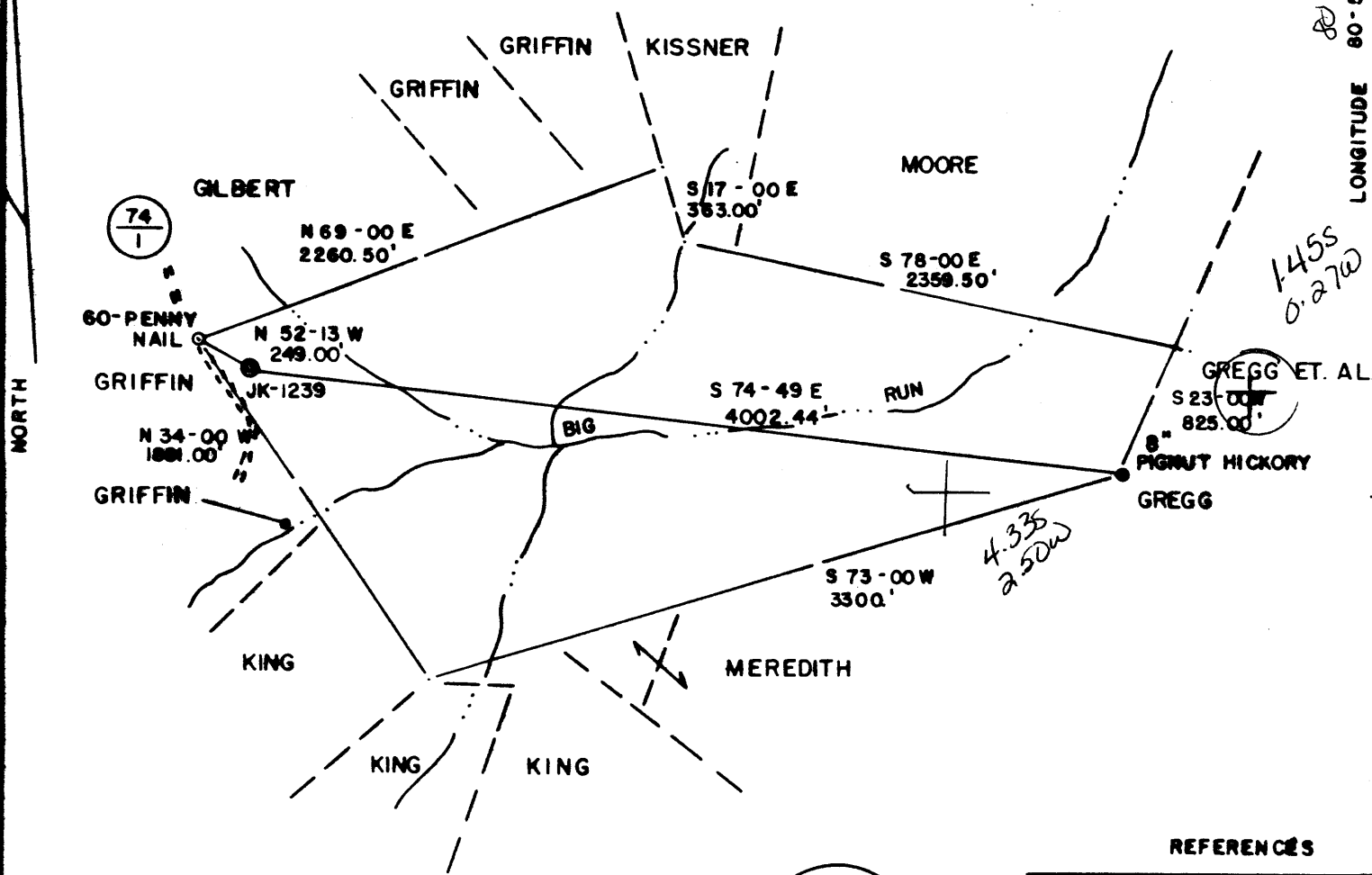
COUNTY NAME TYLER PERMIT 1116

OCT 26 1987

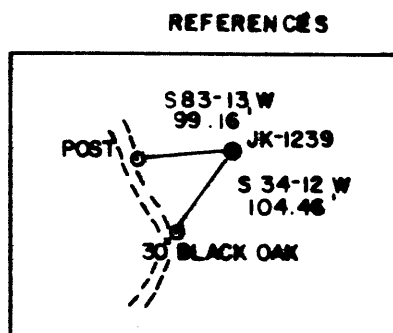
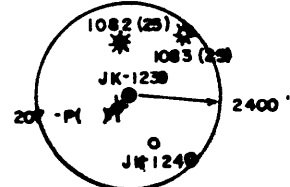
427

HESS LEASE

WELL NO. JK-1239

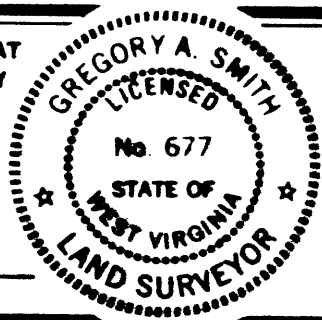


125 ACRES ±



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE SEPT. 9, 1988
 OPERATORS WELL NO. JK-1239
 API WELL NO. 47-095-1116
 STATE WV COUNTY TYLER PERMIT 1116

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 ENERGY.
 L.L.S. Gregory A. Smith
 677



MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 17-65
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 1199' SCALE 1" = 800'



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1106' WATERSHED BIG RUN
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE PENNSBORO 7.8' 539
 SURFACE OWNER O.W. GRIFFIN ACREAGE 125 133
 OIL & GAS ROYALTY OWNER GARNET I. HESS, et al. LEASE ACREAGE 125 CS
 LEASE NO. J-2118
 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'

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

LONGITUDE 80-52-30

COUNTY NAME PERMIT



1) Date: September 26, 1985
 2) Operator's Well No. JK-1239
 3) API Well No. 47-095-1116
 State _____ County _____ Permit _____

RECEIVED
SEP 30 1985

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

DIVISION OF OIL & GAS **APPLICATION FOR A WELL WORK PERMIT**
 DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1106' Watershed: Big Run
 District: Centerville 427 County: Tyler Quadrangle: Pennsboro 7.5'
- 6) WELL OPERATOR J & J Enterprises CODE: 24150 7) DESIGNATED AGENT Richard Reddecliff
 Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert 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 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 411
 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
Conductor	11 3/4	H-40	42	X		30'	0'	0 Sacks	Kinds
Fresh water	8 5/8	ERW	23	X		1106'	1106'	To Surface	<i>by rule 15-05</i>
Coal	8 5/8	ERW	23	X		1106'	1106'	To Surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5995'	5945'	300 Sacks	Depths set
Tubing								or as required	by rule 15-01
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1116 Date October 2 1985

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 October 2, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>ALB</u>	Plat: <u>MUMU</u>	Casing	Fee <u>2082</u>	WPCP <u>mx</u>	S&E <u>mp</u>	Other
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
 Director, Division of Oil and Gas