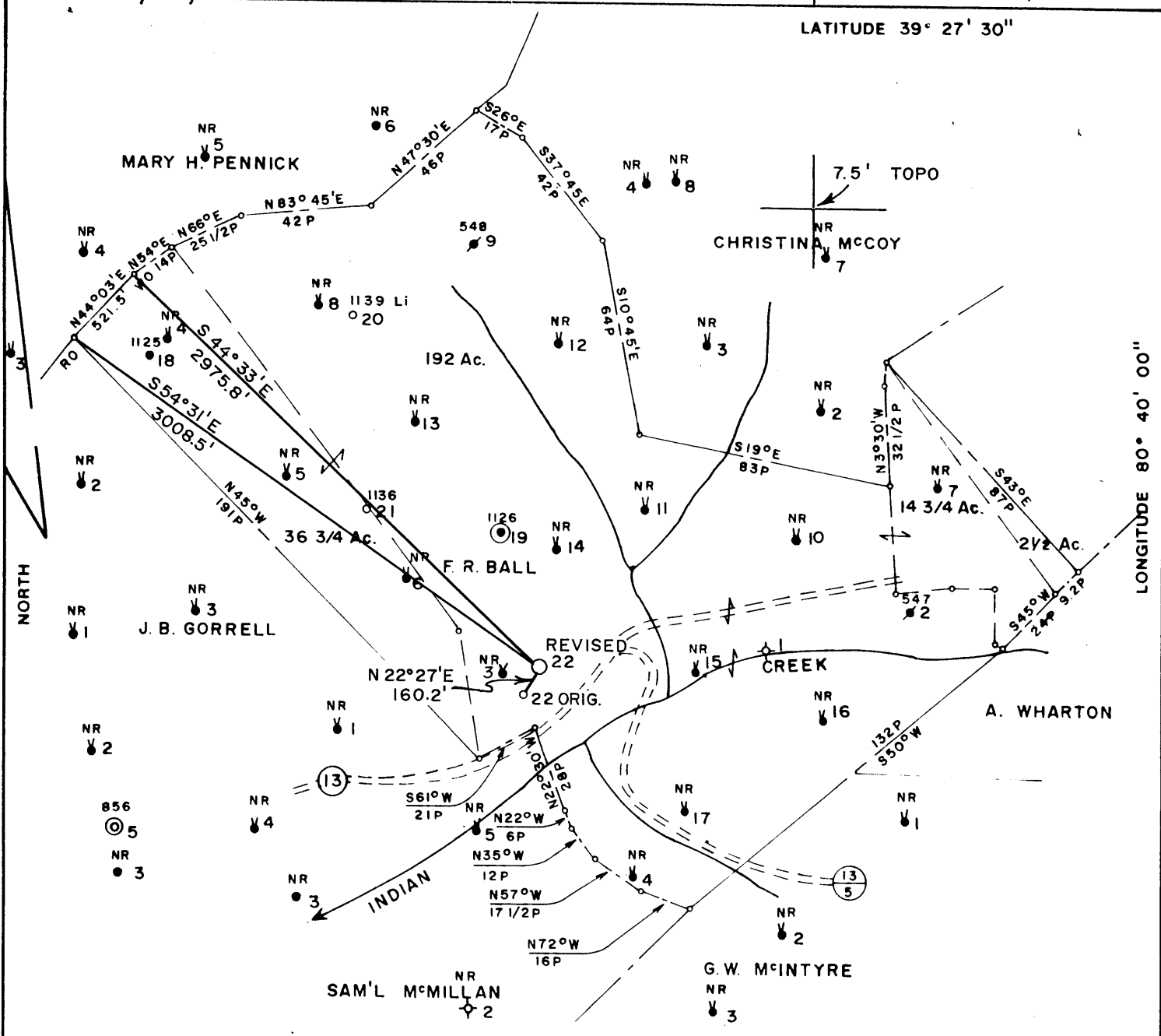


LATITUDE 39° 27' 30"

4,675'



LOCATION REFERENCES

N6°11'E 112.4' (HD=111.5') 5"ASH
 S83°40'W 134.5' (HD=127.1') 6"ELM
 S73°46'W (HD=197.0') PLUGGED WELL #3

FILE NO 1280
 MAP N47 SQS NI W4
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION F.R. BALL NO. 20 = 957'

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) Timothy P. Roush
 TIMOTHY P. ROUSH LLS 793

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPTEMBER 17, 19 86
 FARM F. R. BALL NO 22 REVISED
 API WELL NO

47 - 095 - 1163

STATE COUNTY PERMIT

FORMERLY 095 - 1133

Cancelled

(•) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE OIL X GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION ELEVATION 968' WATER SHED INDIAN CREEK
 DISTRICT MCELROY COUNTY TYLER
 QUADRANGLE CENTER POINT

SURFACE OWNER JOHN JONES ACREAGE 107.6
 OIL & GAS ROYALTY OWNER PENNZOIL CO. LEASE ACREAGE

LEASE NO 15459-50
 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 GORDON ESTIMATED DEPTH 2907'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P O BOX 1588 ADDRESS P O BOX 1588
 PARKERSBURG, W V 26101 PARKERSBURG, W V 26101

AUG 30 1986

FORM IV-6 (8-78)

H. T. HALL

TYLER 1163

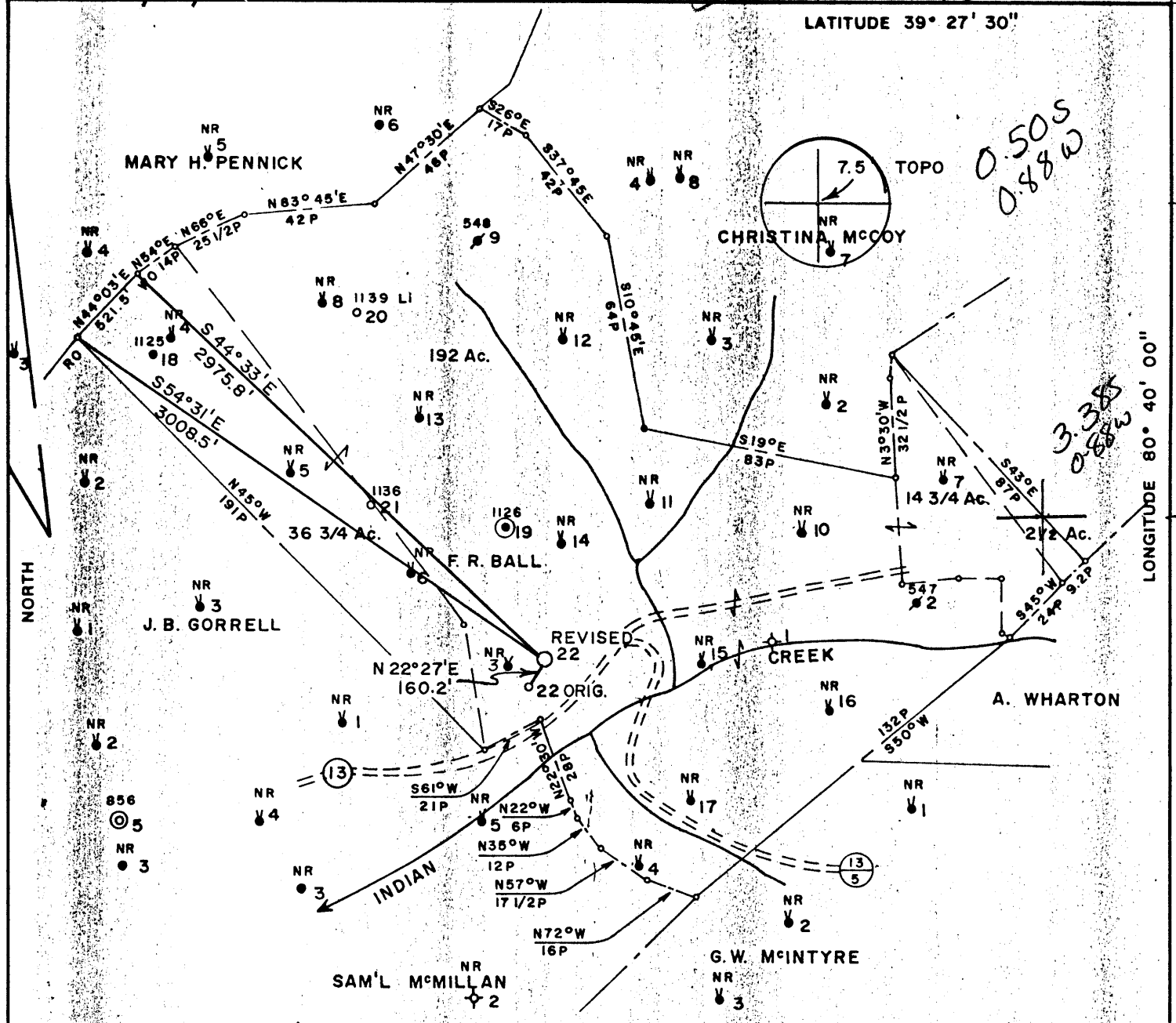
823 9/23/86

39 30 4,675'

LATITUDE 39° 27' 30"

2,650'

LONGITUDE 80° 40' 00"

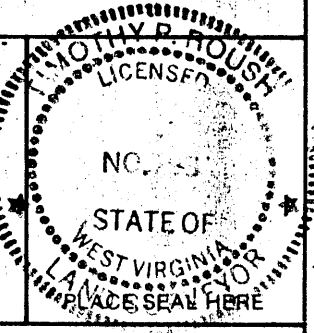


LOCATION REFERENCES

N6°11'E 112.4' (HD=111.5') 5"ASH
 S83°40'W 134.5' (HD=127.1') 6"ELM
 S.73°46'W (HD=197.0') PLUGGED WELL #3

FILE NO. 1280
 MAP N47 SQS NI W4
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION F.R. BALL NO. 20 = 957'

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) Timothy P. Roush
 TIMOTHY P. ROUSH LLS 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPTEMBER 17, 19 86
 FARM F. R. BALL NO. 22 REVISED
 API WELL NO.

47 - 095 - 1163
 STATE COUNTY PERMIT
FORMERLY 095 - 1133

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 968' WATER SHED INDIAN CREEK
 DISTRICT MC ELROY 3 COUNTY TYLER
 QUADRANGLE CENTER POINT 286 022 NW1

SURFACE OWNER JOHN JONES ACREAGE 107.6
 OIL & GAS ROYALTY OWNER PENNZOIL CO. LEASE ACREAGE _____
 LEASE NO. 15459-50

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 GORDON ESTIMATED DEPTH 2907'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 1588 ADDRESS P.O. BOX 1588
673 PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101

OCT 14 1986

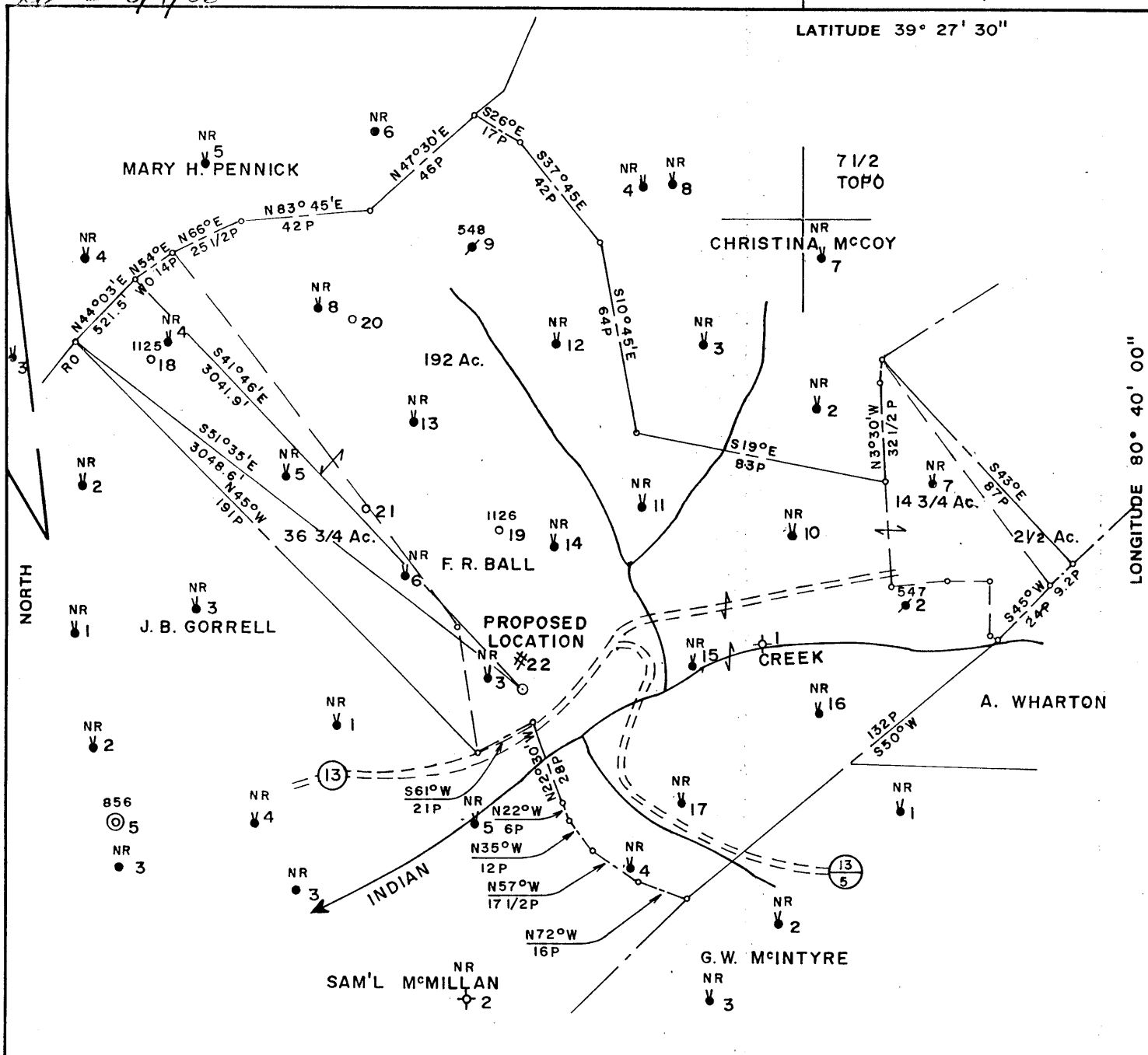
FORM IV-6 (8-78)

H. T. HALL

87-13 6/9/86

4,775'

LATITUDE 39° 27' 30"



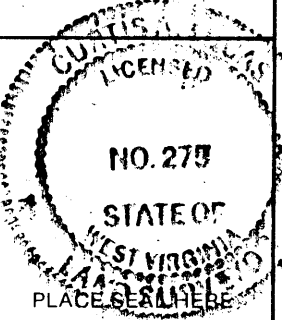
LONGITUDE 80° 40' 00"

LOCATION REFERENCES

N17°43'W 118.9' (HD=112.9') 12" DBL. POP.
 N47°33'E 121.3' (HD=121.2') 4" OAK
 N54°00'W HD=158.2' PLUGGED WELL #3

FILE NO. 1280
 MAP N47 SQS NI W4
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION F. R. BALL #18
=1093'

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) Curtis A. Lucas
 CURTIS A. LUCAS LLS. 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 27, 1986
 FARM F. R. BALL NO. 22
 API WELL NO.

47 - 095 - 1133
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 957 WATER SHED INDIAN CREEK
 DISTRICT McELROY COUNTY TYLER
 QUADRANGLE CENTER POINT
 SURFACE OWNER JOHN JONES ACREAGE 107.6
 OIL & GAS ROYALTY OWNER PENNZOIL CO. LEASE ACREAGE 250
 LEASE NO. 15459-50
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

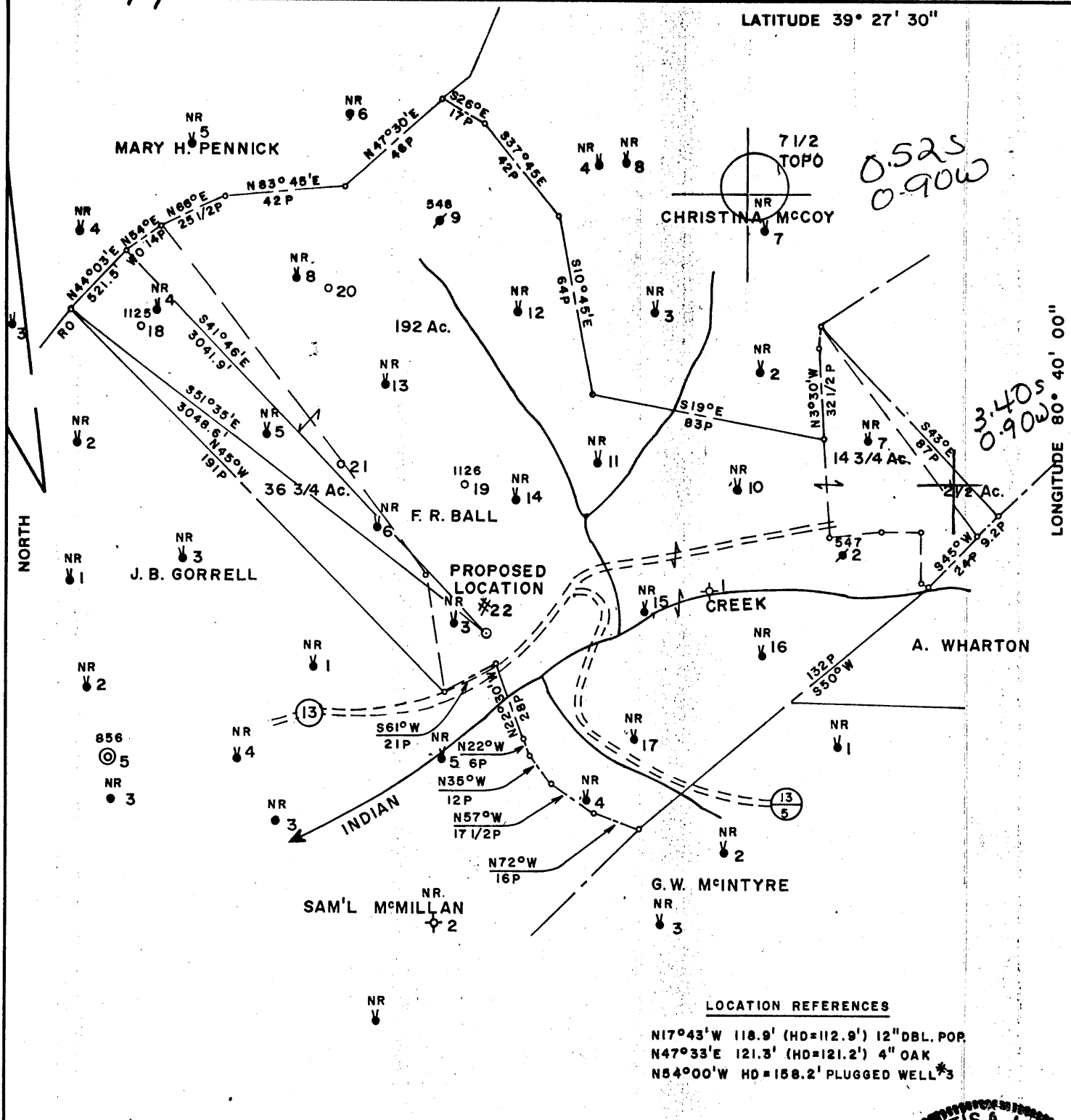
Cancelled
 NOW: 095 1163

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION GORDON ESTIMATED DEPTH 2896'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 1588 ADDRESS P.O. BOX 1588
673 PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101

OCT 14 1986

FORM IV-6 (8-78)

H. T. HALL

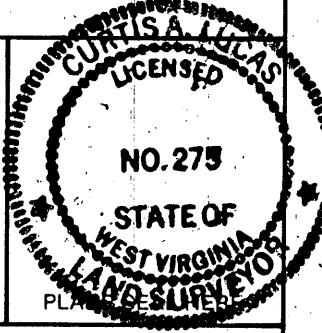


LOCATION REFERENCES

N17°43'W 118.9' (HD=112.9') 12" DBL. POP.
 N47°33'E 121.3' (HD=121.2') 4" OAK
 N54°00'W HD=158.2' PLUGGED WELL #3

FILE NO. 1280
 MAP N47 SQS NI W4
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION F. R. BALL #18
=1093'

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) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 27, 1986
 FARM F. R. BALL NO. 22
 API WELL NO.

47 - 095 - 1133
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 957 WATER SHED INDIAN CREEK
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE CENTER POINT 286 022 NW
 SURFACE OWNER JOHN JONES ACREAGE 107.6
 OIL & GAS ROYALTY OWNER PENNZOIL CO. LEASE ACREAGE 250
 LEASE NO. 15459-50
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

JUN 30 1986

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION GORDON ESTIMATED DEPTH 2896'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 1588 ADDRESS P.O. BOX 1588
673 ADDRESS PARKERSBURG, W.V. 26101
 ADDRESS PARKERSBURG, W.V. 26101

7/85

RECEIVED
SEP 19 1985



1) Date: September 17, 1986
 2) Operator's Well No. F. R. Ball #22-Rev.
 3) API Well No. 47 095-1163
 State County Permit

was 11133

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, 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: 968' Watershed: Indian Creek z 8x
 District: McElroy 672 5 County: Tyler Quadrangle: Centerpoint 7.5'
 6) WELL OPERATOR Pennzoil Company CODE: 37450 7) DESIGNATED AGENT James A. Crews
 Address P.O. Box 1588 Address P.O. Box 1588
Parkersburg, WV 26102 Parkersburg, WV 26102
 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther 9) DRILLING CONTRACTOR:
 Address General Delivery Name _____
Middlebourne, WV Address _____
 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, Gordon 419
 12) Estimated depth of completed well, 2907' feet
 13) Approximate trata depths: Fresh, 111' feet; salt, 1568' feet.
 14) Approximate coal seam depths: 4466 Is coal being mined in the area? Yes / No

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		Kinds	Sizes
Conductor										
Fresh water	7			X		818'	818'	Cement to surface		
Coal										
Intermediate										
Production	4-1/2	K55	9.5#	X		2907'	2907'		Depths set	
Tubing										
Lin...									Perforations:	
									Top	Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1163 Date October 6 19 86

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 6, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>RS</u>	Plat: <u>RS</u>	Casing: <u>RS</u>	Fee: <u>193/145-</u>	WPCF: <u>RS</u>	S&E: <u>RS</u>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

 Director, Division of Oil and Gas File

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

1285-



1) Date: May 29, 19 86
 2) Operator's Well No. F. R. Ball #22
 3) API Well No. 47-095-1133 → 1163
 State County Permit

RECEIVED
JUN - 4 1986

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY **APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil / Gas _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow)
 5) LOCATION: Elevation: 957 Watershed: _____
 District: McElroy 673 5 County: Tyler Quadrangle: Centerpoint 7.5' 286
 6) WELL OPERATOR Pennzoil Company CODE: 37450 7) DESIGNATED AGENT James A. Crews
 Address P.O. Box 1588 Address P.O. Box 1588
Parkersburg, W. Va. 26102 Parkersburg, WV
 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther
 Address General Delivery
Middlebourne, WV
 9) DRILLING CONTRACTOR:
 Name _____
 Address _____
 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, Gordon 419
 12) Estimated depth of completed well, 2896 feet
 13) Approximate strata depths: Fresh, 100 feet; salt, 1557 feet.
 14) Approximate coal seam depths: ~455 Is coal being mined in the area? Yes _____ / No

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									Kinds
Fresh water	<u>7</u>			<input checked="" type="checkbox"/>		<u>807</u>	<u>807</u>	<u>Cement to surface</u>	<u>per Rule 15.05</u>
Coal									Sizes
Intermediate									
Production	<u>4-1/2</u>	<u>K55</u>	<u>9.5</u>	<input checked="" type="checkbox"/>		<u>2896</u>	<u>2896</u>	<u>250 SKS</u>	Depths set
Tubing								<u>OR AS REQUIRED BY Rule</u>	
Liners								<u>15.01</u>	Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1133 Date June 25 19 86

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 June 25, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>1348</u> <u>116</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: _____
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John H. Johnston
 Director, Division of Oil and Gas
Margaret J. Hesse
 File

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

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

6315