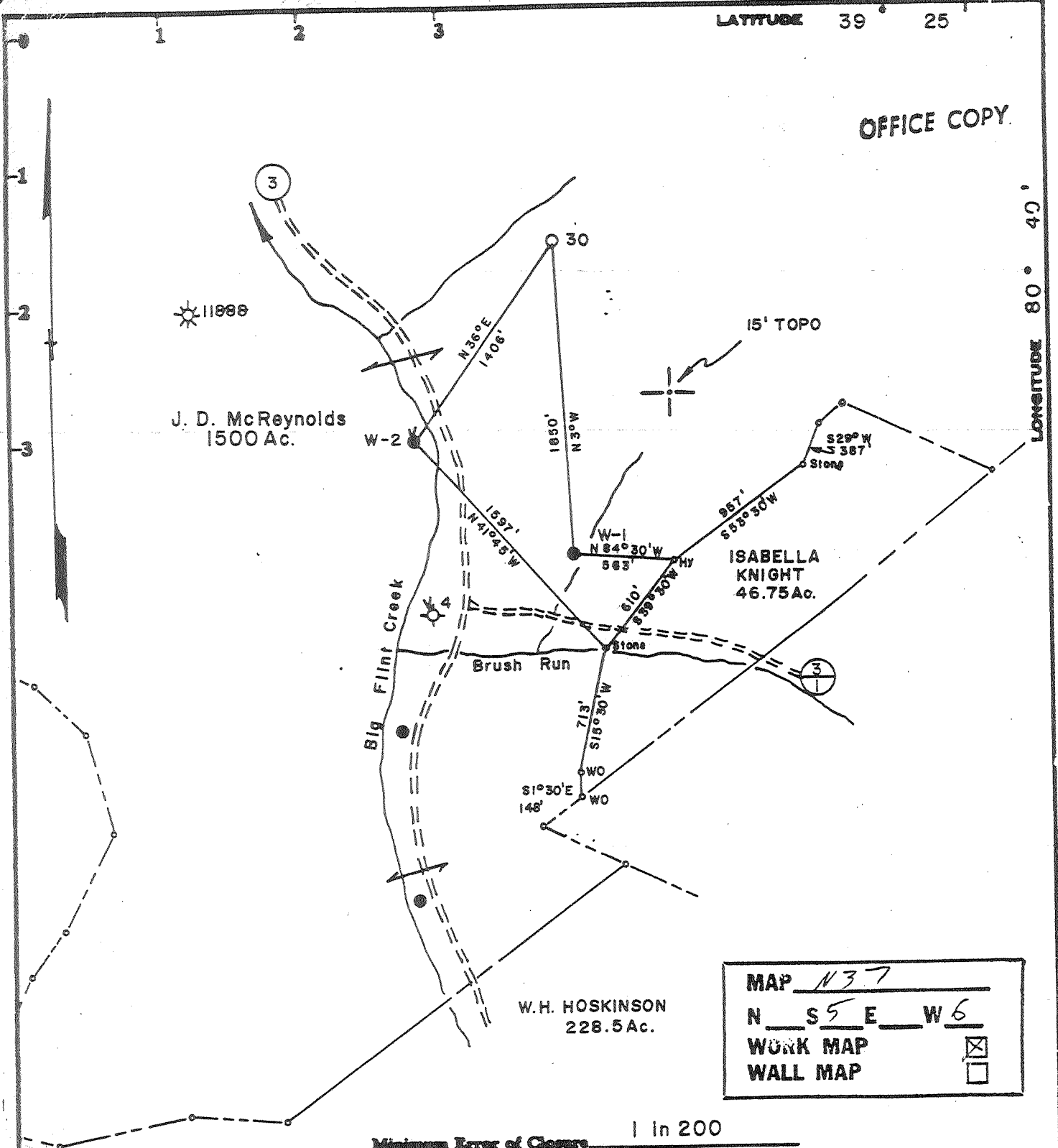


OFFICE COPY



MAP N 37
 N 5 E 6 W
 WORK MAP
 WALL MAP

Minimum Error of Closure 1 in 200

Source of Elevation Mc Reynolds W-1, elevation - 804.34

Surface - James Lewis
Paris, Va. 22130

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Curtis A. Lucas

Map No. N 37 Squares: N 5 E W 6

Company PENNZOIL COMPANY
 Address P. O. Box 1588, Parkersburg, W. Va. 26101
 Farm J. D. McREYNOLDS
 Tract Acres 1500 Lease No. 10480-50
 Well (Farm) No. 30 Serial No.
 Elevation (Spirit Level) 926.14
 Quadrangle CENTERPOINT 15'
 County DODDRIDGE District GRANT
 Surveyor CURTIS A. LUCAS
 Surveyor's Registration No. .275
 File No. 1112 Drawing No.
 Date 11-1-76 Scale 1" = 800'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

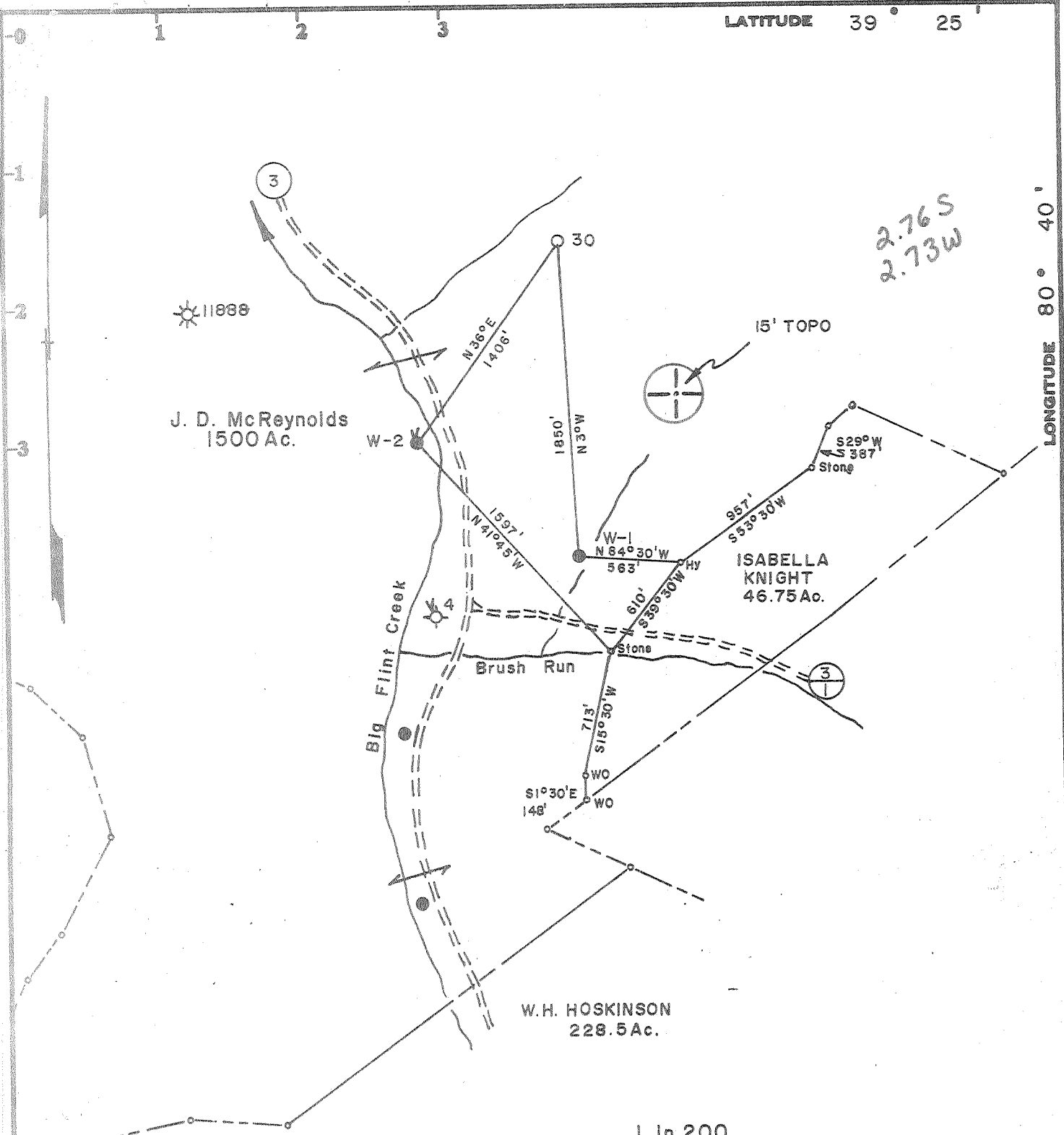
FILE NO. DODD-1843-Frac.

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing. 47-017

BRUNING 44-131 27198

DODD 1843-FRAC



2.76 S
2.73 W

Minimum Error of Closure 1 in 200

Surface - James Lewis
Paris, Va. 22130

Source of Elevation Mc Reynolds W-1, elevation - 804.34

- Fracture
- New Location
- Drill Deeper
- Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *Curtis A. Lucas*

Map No. N 37 Squares: N S 5 E W 6

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	J. D. McREYNOLDS		
Tract	Acres	Lease No.	1500 10480-50
Well (Farm) No.	30	Serial No.	
Elevation (Spirit Level)	926.14		
Quadrangle	CENTERPOINT 15' WC		
County	DODDRIDGE	District	GRANT
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	.275		
File No.	1112	Drawing No.	
Date	11-1-76	Scale	1" = 800'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. DODD-1843

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

-- Denotes one inch spaces on border line of original tracing. 47-017

BRUNING 44-131 27198

6-0 SMITHTON FLINT SEDALIA

99 NOV 18 1976



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SEP -1 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ Dry
(Kind)

Quadrangle Centerpoint

Permit No. Dod-1843

Company <u>PENNZOIL COMPANY</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1588, Parkersburg, W. Va. 26101</u>				
Farm <u>J. D. McReynolds</u> Acres <u>1500</u>	Size			
Location (waters) <u>Big Flint Creek</u>	<u>20-16</u>			
Well No. <u>30</u> Elev. <u>926.14'</u>	Cond.			
District <u>Grant</u> County <u>Doddridge</u>	<u>13-10"</u>			
The surface of tract is owned in fee by <u>James Lewis</u>	<u>9 5/8</u>			
Address <u>Paris, Virginia 22130</u>	<u>8 5/8</u>	<u>338</u>	<u>338</u>	<u>175 sks.</u>
Mineral rights are owned by <u>Stewart McReynolds</u>	<u>7</u>			
Address <u>P.O.Box 169, Clarksburg, W. Va.</u>	<u>5 1/2</u>			
Drilling Commenced <u>11-5-76</u>	<u>4 1/2</u>	<u>2778</u>	<u>2778</u>	<u>125 sks.</u>
Drilling Completed <u>11-13-76</u>	<u>3</u>			
Initial open flow _____ cu. ft. _____ bbls.	<u>2</u>			
Final production _____ cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Fractured: 11-26-76 w/12,500# 20/40 sd., 500 gal. N.E. acid 15%, 375 Bbls. Crude Oil

At present time have not recovered frac oil

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Gordon _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Rock			0	43		
Shale			43	350		
Shale			350	405		
Red Rock			405	930		
Sand & Shale			930	1330		
Shale			1330	1540		
Sandy Shale			1540	1775		
Sand & Shale			1775	1888		
Big Lime			-1888	1975		
Loyalhanna Injun			1975	2062		
Injun			2062	2107		
Shale			2107	2697		
<u>Gordon</u>			2697	2747		
Shale			2747	2790		
Total Depth				2790		

(over)

* Indicates Electric Log tops in the remarks section.

OCT 7 1977



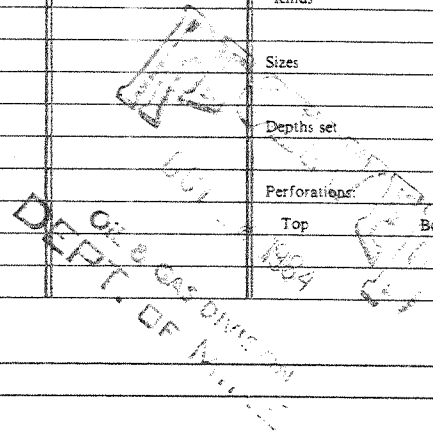
1) Date: October 12, 19 84
 2) Operator's Well No. J. D. McReynolds No. 30
 3) API Well No. 47 - 017-1843-FRAC
 State _____ County _____ Permit _____

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: 926.14 Watershed: Big Flint Creek
 District: Grant County: Doddridge Quadrangle: Centerpoint
- 6) WELL OPERATOR Pennzoil Company 7) DESIGNATED AGENT James A. Crews
 Address P. O. Box 1588 Address P. O. Box 1588
Parkersburg, W. Va. 26101 Parkersburg, W. Va.
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Harold Mike Underwood Name _____
 Address Route 2, Box 114 Address _____
Salem, W. Va. 26426
- 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, Big Injun
- 12) Estimated depth of completed well, 2790 feet
 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP ON SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate									Depths set
Production						See Well Record			Perforations:
Tubing									Top Bottom
Liners									



OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-1843-FRAC Date November 21, 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 November 21, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>112</u>	<u>KS</u>	<u>MW</u>	<u>MW</u>	<u>18/65</u>

Margaret J. Hesse
 Administrator, Office of Oil and Gas

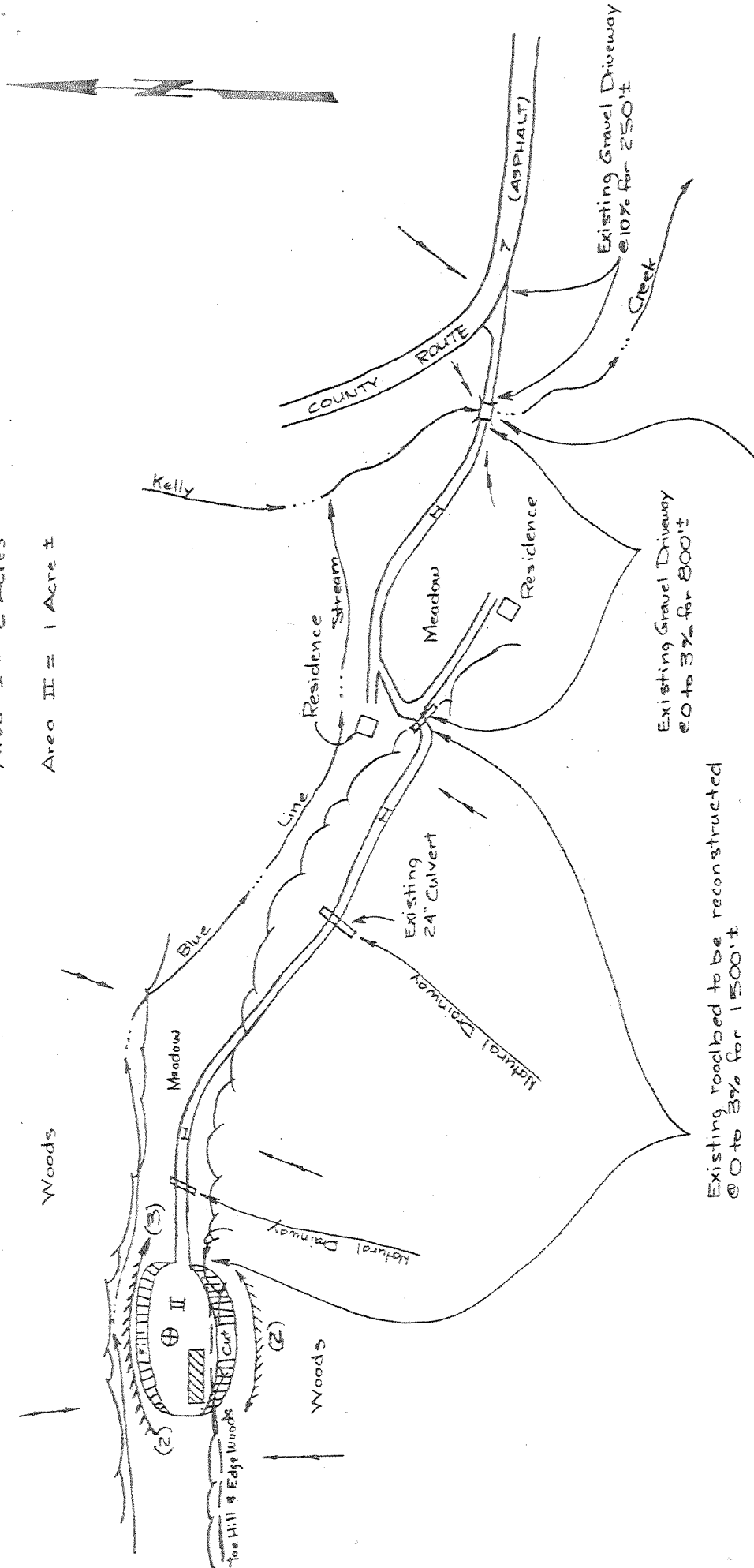
NOTE: Keep one copy of this permit posted at the drilling location.

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

File

Area I = 2 Acres ±

Area II = 1 Acre ±



Existing low water bridge to be replaced utilizing 3-20" culverts

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0870 1984

OIL & GAS DIVISION
DEPT. OF MINES

**CABOT OIL & GAS CORPORATION
OF WEST VIRGINIA**

DAVISON FUEL & DOCK B-1

**KOLB ENTERPRISES Ltd.
CHARLESTON, W. VA.**

Existing roadbed to be reconstructed @ 0 to 3% for 1500'±



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED

NOV 3 1976

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE November 2, 1976

Surface Owner James Lewis

Company PENNZOIL COMPANY

Address Paris, Virginia 22130

Address P. O. Box 1588, Parkersburg, W. Va. 26101

Mineral Owner Stewart McReynolds

Farm J. D. McReynolds Acres 1500

Address P. O. Box 169, Clarksburg, W. Va. 26301

Location (waters) Big Flint Creek

Coal Owner _____

Well No. 30 Elevation 1926.14'

Address _____

District Grant County Doddridge

Coal Operator NO COMMERCIAL COAL

Quadrangle Centerpoint 15'

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 3-3-77.

INSPECTOR Paul Garrett
TO BE NOTIFIED

ADDRESS 321 Beech St. Clarksburg, W.Va.

PHONE 622-3871

Robert H. [Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated June 20, 1892 by John D. & Mary M. McReynolds made to South Penn Oil Company and recorded on the _____ day of _____ 19____, in _____ County, Book 8 Page 405

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, PENNZOIL COMPANY
(Sign Name) Curtis A. Lucas
Well Operator Curtis A. Lucas,
P. O. Box 1588, Civil Eng. Dept.
Street
Parkersburg,
City or Town
West Virginia 26101
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

DOD-1843
PERMIT NUMBER
47-017

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by Curtis A. Lucas

BLANKET BAND

