

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 200'  
 MINIMUM DEGREE OF ACCURACY 1 in. 200'  
 PROVEN SOURCE OF ELEVATION USGS - BM - 775' - at Crystal Lake - West Union Quad.

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) Wayne D. [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 624

SCALE - 1" = 2000'

\* 3085-25  
 \* 2801-16  
 \* 2359-16  
 \* 3020-25  
 \* 3017-16  
 \* 3282-25  
 \* 3795-25

WELL

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



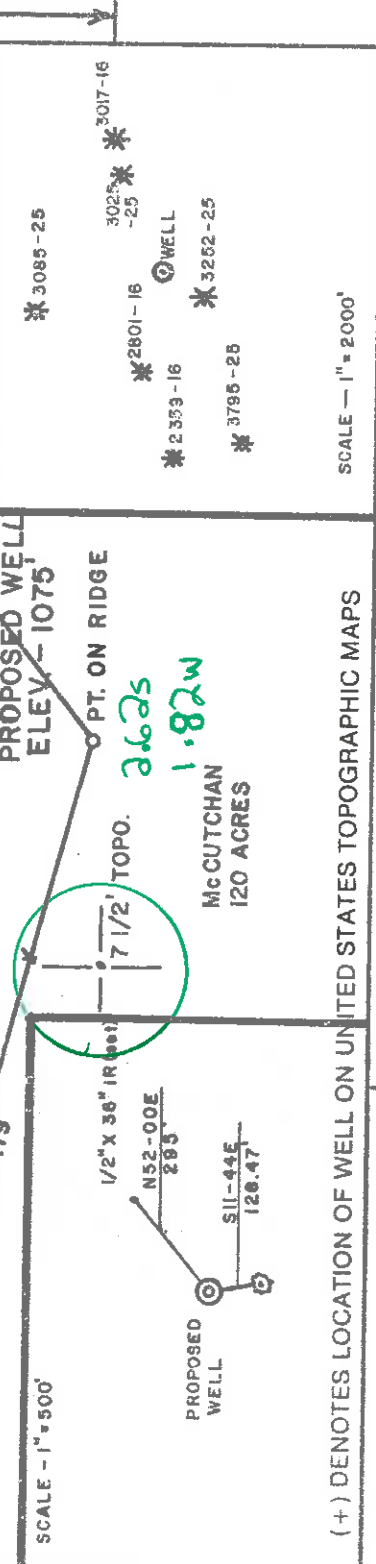
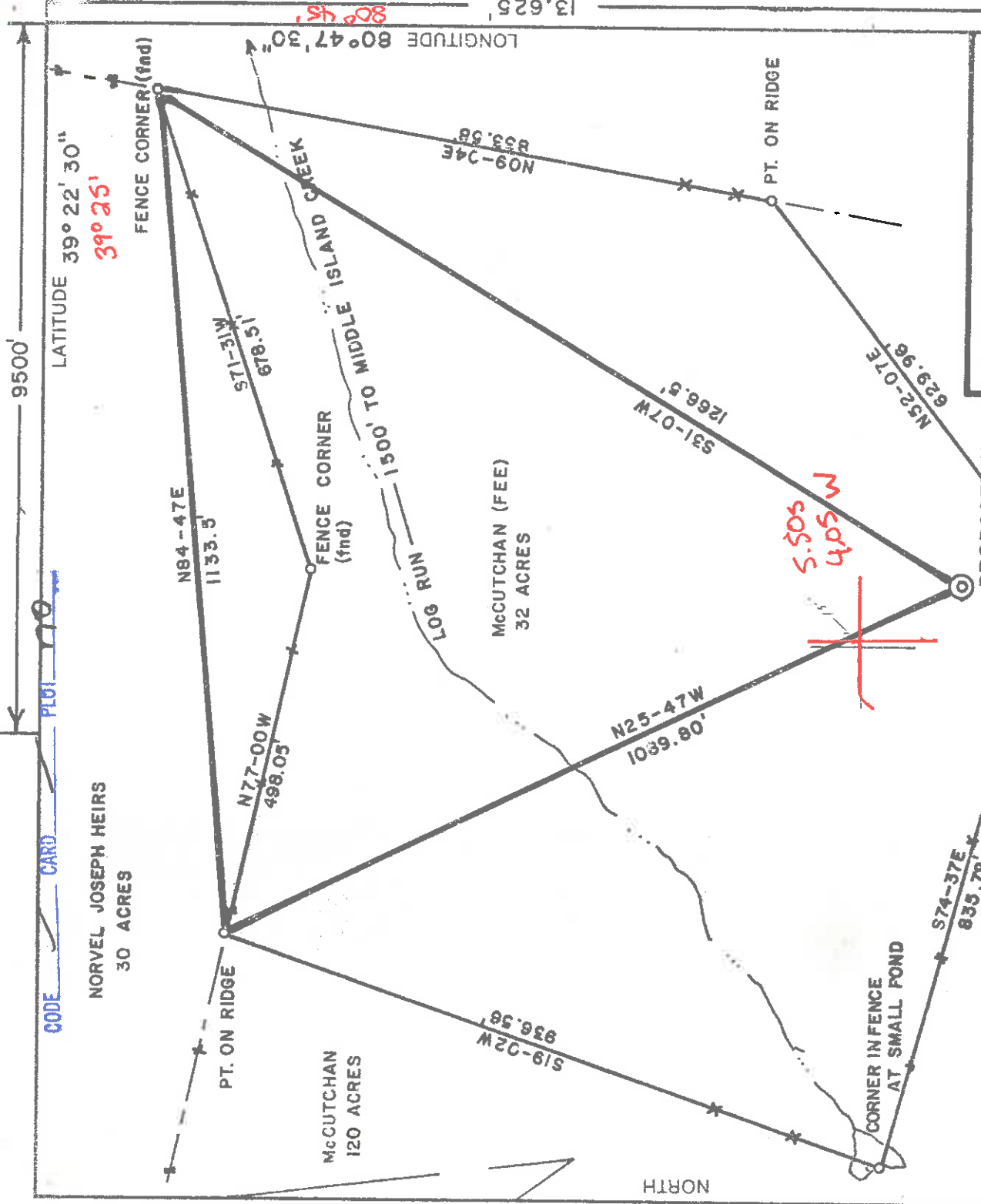
DATE MARCH 7, 1985  
 OPERATOR'S WELL NO. McCutchan - 1  
 API WELL NO. Cancelled  
47 - 017 - 3423  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1075' WATERSHED LOG RUN OF MIDDLE ISLAND CREEK  
 DISTRICT WEST UNION COUNTY DODDRIDGE  
 QUADRANGLE WEST UNION  
 SURFACE OWNER WILLIAM P. McCUTCHAN  
 OIL & GAS ROYALTY OWNER WILLIAM P. McCUTCHAN LEASE ACREAGE 32  
 LEASE NO. \_\_\_\_\_  
 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 BIG INJUN ESTIMATED DEPTH 3000'  
 WELL OPERATOR CRUDE OIL & GAS, INC. DESIGNATED AGENT CLARENCE E. SIGLEY  
 ADDRESS 165 SCOTT AVENUE 410 ADDRESS 165 SCOTT AVENUE  
MORGANTOWN, W. VA. 26505 MORGANTOWN, W. VA. 26505

DODD COUNTY NAME  
 3423 PERMIT

SEP 14 1992



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 MINIMUM DEGREE OF ACCURACY 1" in 200'  
 PROVEN SOURCE OF ELEVATION USGS - BM - 775' - at Crystal Lake - West Union Quad.

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) Walter D. [Signature] R.P.E. L.L.S. 624

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 1075 WATERSHED LOG RUN OF MIDDLE ISLAND CREEK  
 DISTRICT WEST UNION & COUNTY DODDRIDGE  
 QUADRANGLE WEST UNION 671 IS' EC 6 133  
 SURFACE OWNER WILLIAM P. McCUTCHAN  
 OIL & GAS ROYALTY OWNER WILLIAM P. McCUTCHAN LEASE ACREAGE 32  
 LEASE NO. \_\_\_\_\_  
 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 BIG INJUN 420 ESTIMATED DEPTH 7500'  
 WELL OPERATOR CHUDE OIL & GAS, INC. DESIGNATED AGENT CLARENCE E. SIGLEY  
 ADDRESS 165 SCOTT AVENUE ADDRESS 165 SCOTT AVENUE  
MORGANTOWN, W. VA. 26505 MORGANTOWN, W. VA. 26505



PLACE SEAL HERE

DATE MARCH 7, 1985  
 OPERATOR'S WELL NO. McCUTCHAN - I  
 API WELL NO. \_\_\_\_\_

47 017 3423  
 STATE COUNTY PERMIT

DODD COUNTY NAME

3423 PERMIT

**RECEIVED**

MAR 25 1985

1) Date: MARCH 7 19 85  
 2) Operator's Well No. McCutchan #1  
 3) API Well No. 47-017-3423 State County Permit



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 DEPT. OF MINES APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil  Gas  B (If "Gas", Production 1075')  
 Elevation: 1075' Underground storage  Deep  Shallow   
 5) LOCATION: District: West Union County: Doddridge Quadrangle: LOG Run of Middle Island Creek  
 6) WELL OPERATOR: Crude Oil & Gas, Inc. 7) DESIGNATED AGENT: Clarence E. Sigley  
 Address: 165 Scott Ave., Suite 204 Address: 165 Scott Ave., Suite 204  
Morgantown, WV 26505 Morgantown, WV 26505

8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name: Mike Underwood  
 Address: Rt. 2, Box 114  
Salem, WV 26426

10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate   
 Plug off old formation  Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_

11) GEOLOGICAL TARGET FORMATION: Big Injun Sands  
 12) Estimated depth of completed well, 2,500 feet  
 13) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: NONE 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.			
Conductor	15-16			For drilling <u>60'</u> Left in well <u>60'</u>	<u>amt. to sit</u>	<u>Kinds</u>
Fresh water						
Coal						
Intermediate	8-5/8"	23	X	1200'	<u>amt. To sit. by Rule 15:05</u>	
Production	4-1/2"	10.5	X	2490'	<u>amt. to 300' Depths and above Pay</u>	
Tubing					<u>Horizon or as required by</u>	
Liners					<u>Rule 15:01</u>	
					Perforations: _____	
					Top _____	
					Bottom _____	

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3423 Date March 28, 19 85

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 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>738</u>	<u>SW</u>	<u>Opt. gent</u>		<u>836</u>

*James M. Tephador*  
 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