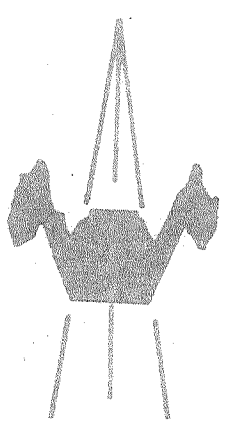
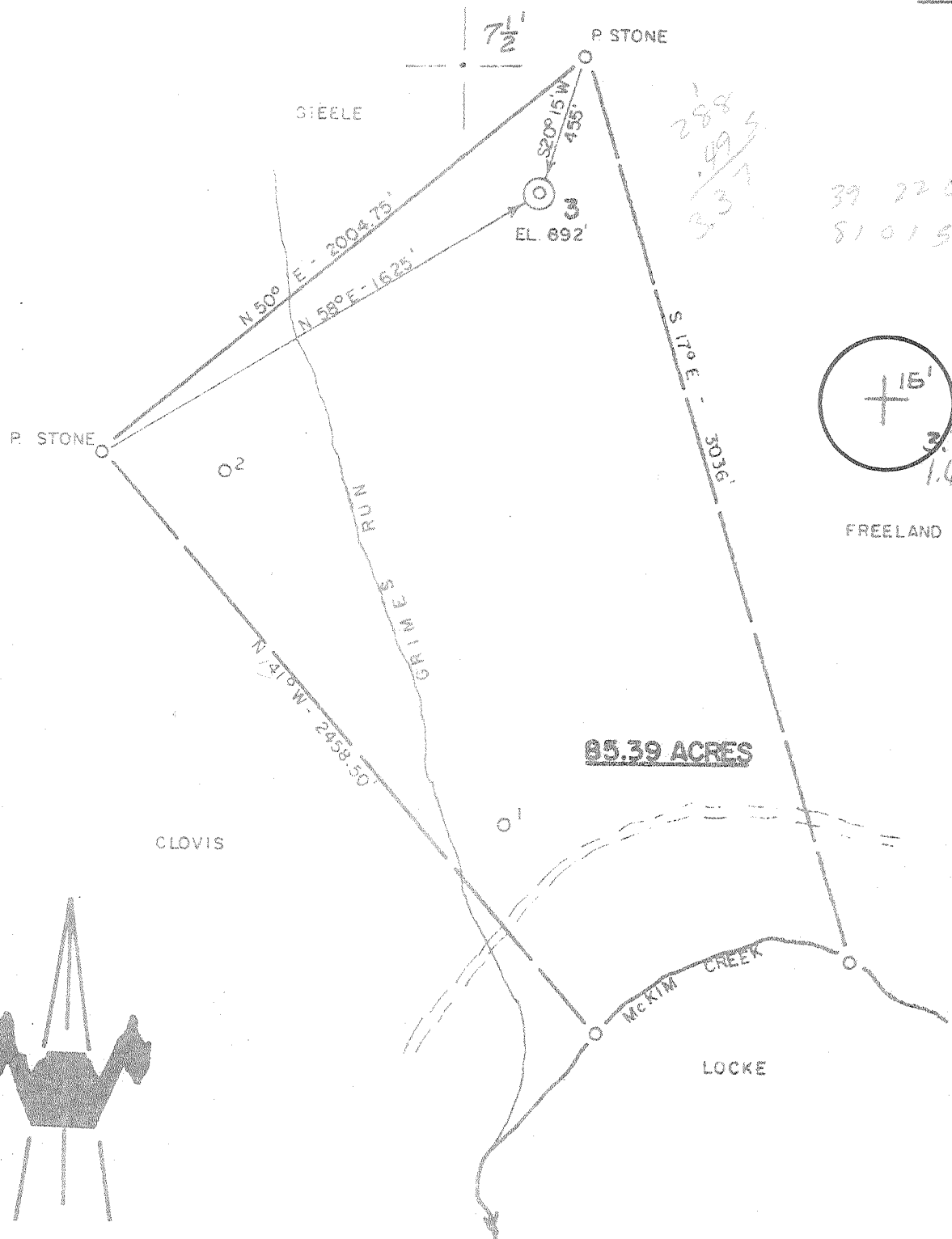


Latitude (15') 39° 22' 30"
 39° 25'
 2580' SOUTH
 8800' WEST



ACCURACY: 1" / 200'

New Location

Drill Deeper

Abandonment

Fracture

Redrill

Other

Formation 5TH SAND Oil

Est. Depth 2950' Gas

Other

Source of Elevation B.M. - HEBRON - (758')

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.

Chet Waterman

Company KEY OIL COMPANY

Address CLARKSBURG WV 26301

Surface Owner S. K. Mc COLLOUGH

Mineral Owner " "

Well No. 3 Acres 85.39

Elevation 892' EC

Quadrangle ST MARYS ELLENBORO Series 15' 7.5'

County PLEASANTS District LAFAYETTE

Date 11/2/79 Scale 1" = 500'

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

WELL LOCATION MAP
47 - 073 - 0816
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 79-808

6-6 SHAWNEE EC (81) JAN 8 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

JAN 16 1980

OIL & GAS DIVISION
DEPARTMENT OF MINES
Cable _____ Gas _____
Recycling _____ Comb _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Ellenboro
Permit No. 47-073-0816

Company Key Oil Company
Address 227 Washington Ave., Clarksburg, WV
Farm S. K. McCullough Acres 85.39
Location (waters) McKim Creek
Well No. 3 Elev. 892'
District Lafayette County Pleasants
The surface of tract is owned in fee by _____
S. K. McCullough
Address Hebron, WV
Mineral rights are owned by S. K. McCullough
Address Hebron, WV
Drilling Commenced 12-15-79
Drilling Completed 12-20-79
Initial open flow _____ cu. ft. _____ bbls.
Final production 492,000 cu. ft. per day _____ bbls.
Well open 24 hrs. before test 725 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	565'		
7			
5 1/2			
4 1/2	2810'		
3			
2			
Liners Used			

Well treatment details:

1000 bbls 300 sks 80/100 550 sks 20/40 2736-2742

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water 200' Feet _____ Salt Water _____ Feet _____
Producing Sand Fifth Sand Depth 2742'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Big Injun			1840	1952		
Squaw			1990	2004		
Gantz			2264	2274		
Gordon			2568	2576		
<u>Fifth Sand</u>			2736	2742		

2810
492

(over)

* Indicates Electric Log tops in the remarks section.

FEB 13 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC - 5 1979

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE December 5, 1979

Surface Owner S. K. McCullough
Address Hebron, WV
Mineral Owner S. K. McCullough
Address Hebron, WV
Coal Owner _____
Address _____
Coal Operator _____
Address _____

Company Key Oil Company
Address 227 Washington Ave., Clarksburg, WV
Farm S. K. McCullough Acres 85.39
Location (waters) McKim Creek
Well No. 1 Elevation 892'
District Lafayette County Pleasants
Quadrangle Ellenboro

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 8-6-80

INSPECTOR
TO BE NOTIFIED Phillip Lee Tracy
ADDRESS P.O. Box 173, Middlebourn, WV 26149
PHONE 758-4573

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 August 11, 1979 by S. K. McCullough made to Key Oil Company and recorded on the 6th day of September 19 79, in Pleasants County, Book 153 Page 383
 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.

Very truly yours,

(Sign Name) _____
Well Operator
227 Washington Ave., Suite 3F
Street
Clarksburg,
City or Town
West Virginia 26301
State

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

*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.

BLANKET BOND

47-073-0816

PERMIT NUMBER

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Not known at this time NAME Joe McLaughlin
 ADDRESS _____ ADDRESS 227 Washington Ave., Clarkburg
 TELEPHONE _____ TELEPHONE 623-3783
 ESTIMATED DEPTH OF COMPLETED WELL: 2950' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: 5th Sand
 TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	892'		Cement to surface
7			
5 1/2			
4 1/2	2950'		Cement 300' above producing formation
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 125' FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.
 We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title

WR-38
22-Sep-98

API # 47- 73-00816-P

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: SHOWMAN, BILL Operator Well No.: McCULLOUGH #3

LOCATION: Elevation: 892.00 Quadrangle: ELLENBORO
District: LAFAYETTE County: PLEASANTS
Latitude: 2580 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 8800 Feet West of 81 Deg. 0 Min. 0 Sec.

Well Type: OIL _____ GAS X

Company: Pardee Exploration Company Coal Operator _____
KVB-Suite 910, 300 Capitol St. or Owner _____
Charleston, WV 25301

Agent: Jeffrey A. Brown Coal Operator _____
or Owner _____

Permit Issued: 09/21/98

RECEIVED
Office of Oil & Gas
Permitting

NOV 05 1998

WV Division of
Environmental Protection

STATE OF WEST VIRGINIA,
County of Upshur ss:

AFFIDAVIT

Robert L. Wharton and Don Elmer being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Samuel Hersman Oil and Gas Inspector representing the Director, say that said work was commenced on the 22nd day of Sept., 1998, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2794	2680		
Gel	2680	1960	8 5/8"	565'
Cement	1960	1800		
Gel	1800	1100	4 1/2" - 812'	1988'
Cement	1100	1000		
Gel	1000	812		
Cement	812	712		
Gel	712	610		
Cement	610	510		
Gel	510	50		

Description of monument: 6" pipe 5 ft. 3 in. above ground

and that the work of plugging and filling said well was completed on the 28 day of Sept., 1998.

And further deponents saith not.

Sworn and subscribe before me this 2nd day of October, 1998
My commission expires: 11-03-03

Robert L. Wharton
Don Elmer
Samuel Hersman
Notary Public

NOTE: INSPECTOR NOT ON SITE DURING PLUGGING PROCESS

Oil and Gas Inspector: Samuel Hersman 10-26-98

NOV 16 1998

PLF 0816-P