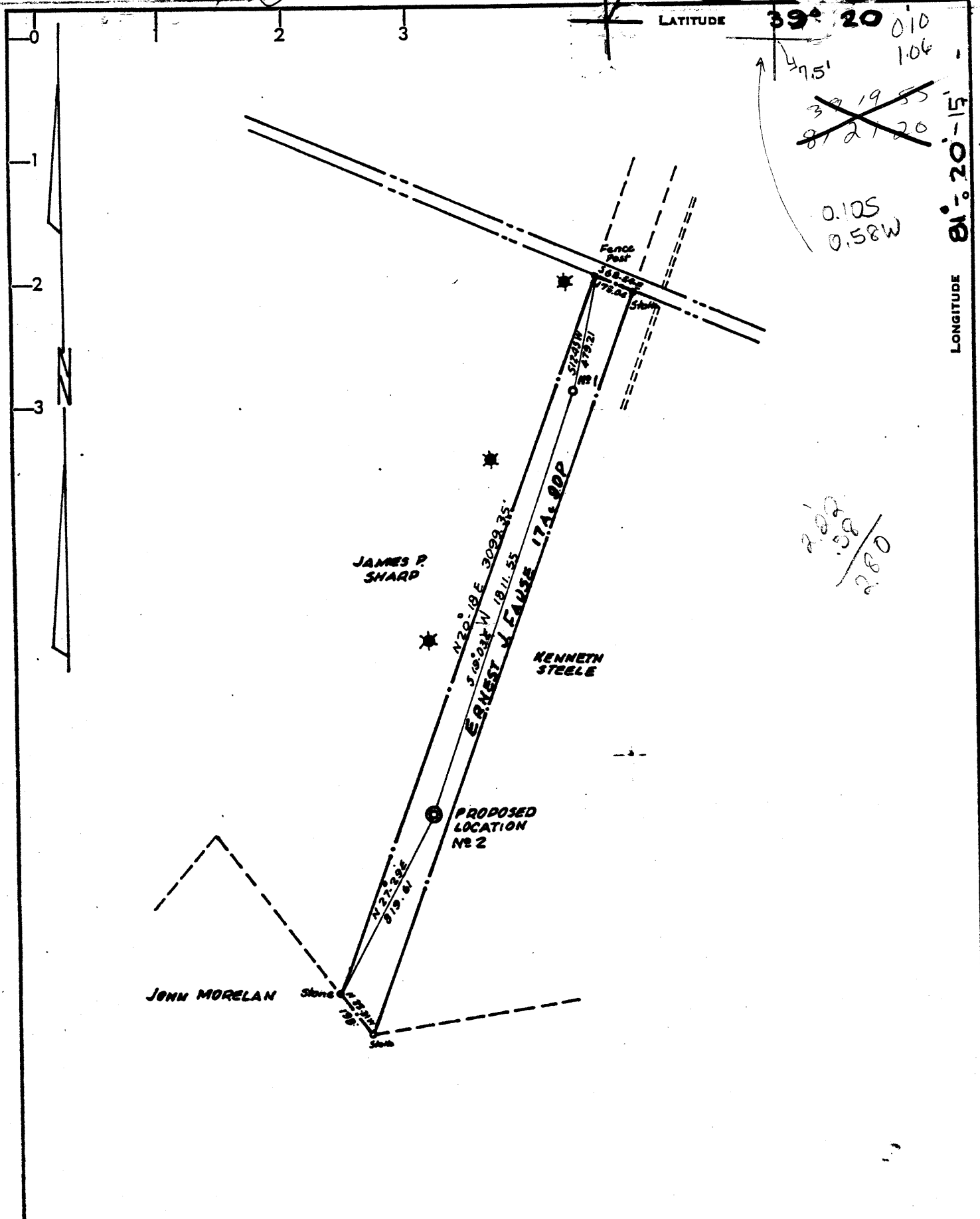


0.105  
2.81W



~~39 19 55~~  
~~87 21 20~~

0.105  
0.58W

2.81  
.58  
-----  
2.80

LONGITUDE 81° 20' - 15" 81° 22' 30"

**CERTIFICATE**

- NEW LOCATION
- RECONDITION
- 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."

Minimum degree of accuracy is one part in 200

Signed Frank J. Barber #289

COMPANY H.D. Wells Oil & Gas Inc.  
 ADDRESS P.O. BOX 1785 CHAS, W. VA. 26026  
 FARM ERNEST J. FAUSE  
 MAP \_\_\_\_\_ ACRES 17A 90P LEASE NO. \_\_\_\_\_  
 WELL (FARM) NO. 2 SERIAL NO. \_\_\_\_\_  
 ELEVATION (SPIRIT LEVEL) 775.13  
 QUADRANGLE MARIETTA & Valley 11S 7 1/2  
 COUNTY WOOD DISTRICT UNION  
 POINT OF PROVEN ELEVATION Road Intersection EL. 620  
 FILE NO. \_\_\_\_\_ DRAWING NO. \_\_\_\_\_  
 DATE AUG. 4, 1980 SCALE 1" = 300 FT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. 47-107-1134  
 + 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.

Gordon 3000'  
6-6 Waverly (71)

FEB 13 1981



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MAR 23 1981

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

WELL RECORD

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. X \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Marietta

Permit No. 47-107-1134

Company H D Wells Oil & Gas Exp & Dev  
Address P. O Box 1785, Chas, 25326  
Farm Ernest Fauss Acres 16  
Location (waters) Ohio River  
Well No. Two Eley 775.13  
District Union County Wood  
The surface of tract is owned in fee by Ernest Fauss  
Address waverly, WV  
Mineral rights are owned by same  
Address \_\_\_\_\_  
Drilling Commenced 1-27-81  
Drilling Completed 1-31-81  
Initial open flow -0- cu. ft. -0- bbls.  
Final production 80,000 cu. ft. per day -0- bbls.  
Well open 8 hrs. before test 580 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		300	cement to surface
7			
5 1/2			
4 1/2		2604	1000 fill up
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Water Frac--650 BBLs-- 50,000 lbs 20/40 sand--180,000 cu ft nitrogen  
500 gal of acid-- 11 lb gel system  
Perforate-- 20 holes .49--2475' to 2490' 80 MCF

Coal was encountered at -0- Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 85 Feet \_\_\_\_\_ Salt Water 1150 Feet \_\_\_\_\_  
Producing Sand Gordon Depth 2474-2496

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
CLAY	R	S	-0-	70		
SAND	G	S	70	80		
RED ROCK	R	S	80	350		
SLATE	B	S	350	408		
RED ROCK	R	S	408	436		
SHELL/SLATE		H	436	455		
RED ROCK	R	M	455	1050		
SAND	W	H	1050	1320		
SLATE	W	S	1320	1450		
SLATE/SHELLS		H	1450	1588		
BIG INJUN		H	1588	1707		
LIME	B	H	1707	1753		
SLATE	W	S	1753	2005		
SHALE	B	S	2005	2114		
BEREA	B	S	2114	2122		
SHALE	G	H	2122	2474		
GORDON	G	S	2474	2496		
SHALE	B	S	2496	2604		SHOW OF GAS TOTAL DEPTH

(over)

\* Indicates Electric Log tops in the remarks section.

APR 07 1981



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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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 January 12, 1981

Surface Owner Ernest Fauss

Company H.D. Wells Oil & Gas Exp'l & Devel.

Address Waverly, WV

Address P.O. Box 1785, Charleston, WV 25326

Mineral Owner Same as Surface Owner

Farm Ernest Fauss Acres 16

Address \_\_\_\_\_

Location (waters) Ohio River

Coal Owner Same as Surface Owner

Well No. 2 Elevation 775.13

Address \_\_\_\_\_

District Union County Wood

Coal Operator N/A

Quadrangle Marietta

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 9-20-81.

INSPECTOR  
TO BE NOTIFIED K. Paul Goodnight

ADDRESS Smithville, WV 26178

PHONE 477-3660

[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 October 15 1980 by Ernest Fauss et ux made to H.D. Wells Oil & Gas and recorded on the 3 day of November 1980, in Wood County, Book 746 Page 325

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:

Very truly yours,  
(Sign Name) [Signature]  
Well Operator

OFFICE OF OIL AND GAS  
1615 Washington Street, East  
Charleston, West Virginia  
Area Code 304 -348-3092 348-3096

Address of Well Operator  
P. O. Box 1785 Street  
Charleston City or Town  
WV 25326 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.

BLANKET COPY

47-107-1134

PERMIT NUMBER

"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 [Signature]

**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 Clint Hurt And Associates NAME H. D. Wells  
 ADDRESS Edens Fork, Charleston, WV ADDRESS P.O.Box 1785, Charleston, WV 25326  
 TELEPHONE 304-2401 TELEPHONE 304-346-2829  
 ESTIMATED DEPTH OF COMPLETED WELL: 3,000' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Gordon  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WFLI	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8 K-55, 2 1/2#/ft	300	300	Cement to Surface
7			
5 1/2			
4 1/2 K-55, 10 1/2#/ft	3,000	3,000	150 Sacks
3			Perf. Top
2			Perf. Bottom
LINKS			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET \_\_\_\_\_ SALT WATER 1,300 FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS None expected  
 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