

Plot *Card* 355 *HW*

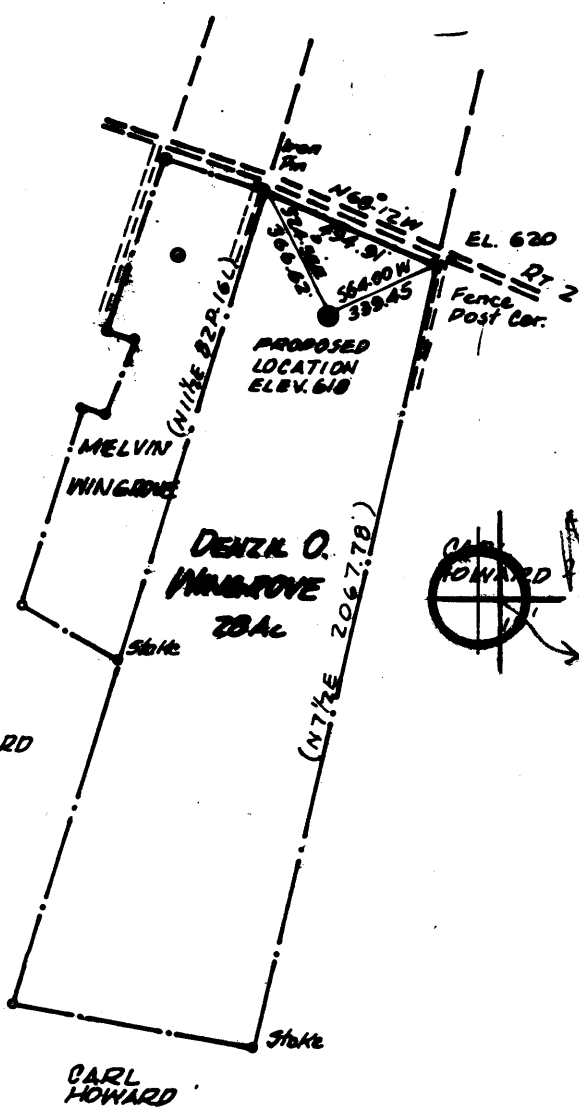
LATITUDE 39° 22' 30"
89° 25'

LONGITUDE 81° 22' 30"

0
1
2
3

14750

39 20 00
81 22 55



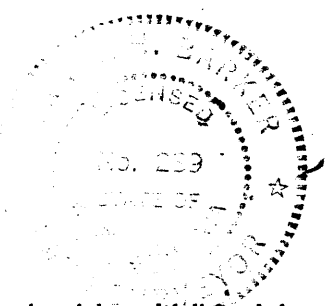
SURFACE OWNER:
DENZIL O. WINGROVE

CERTIFICATE

"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. Barker U.S.#289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT



COMPANY H.D. WELLS OIL & GAS EXP. & DEV. INC.
 ADDRESS P.O. BOX 1785 CHARLESTON, W.VA. 25326
 FARM DENZIL O. WINGROVE
 MAP _____ ACRES 28 LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 618
 QUADRANGLE VALLEY MILLS 7 1/2 Marietta
 COUNTY WOOD DISTRICT UNION
 POINT OF PROVEN ELEVATION Rd. Intersection Show Above
Elev. 620
 FILE NO. _____ DRAWING NO. _____
 DATE JAN. 10, 1981 SCALE 1"=500FT.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. 47-107-1141

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 24,000. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

6-6 Waverly (21)

Gordon 3000'

MAR 9 1981



RECEIVED

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

MAR 23 1981

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES **WELL RECORD**

Quadrangle Marletta
Permit No. 47-107-1141

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

Company H. D. Wells Oil & Gas Exp & Dev
Address Box 1785, Chas, 25326
Farm Denzil Wingrove Acres 28
Location (waters) Ohio River
Well No. One Elev. 618
District Union County Wood
The surface of tract is owned in fee by Denzil Wingrove
Address 2530 27th Av. Parkersburg
Mineral rights are owned by Same
Address _____
Drilling Commenced 2-9-81
Drilling Completed 2-13-81
Initial open flow 0-0 cu. ft. -0- bbls.
Final production 150,000 cu. ft. per day -5- bbls.
Well open 8 hrs. before test 650 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		2460	1000 fill up
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Water Frac--600 BBLs--60,000 20/40 Sand 185,000 cu ft Nitrogen
500 gal of acid--11 lb gel system
Perforate 20 holes .49--2315-2330

Coal was encountered at -0- Feet _____ Inches
Fresh water -60- Feet _____ Salt Water 1000 Feet _____
Producing Sand Gordon Depth 2310-50

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
CLAY	R	S	-0-	20		
SAND	G	S	20	80		
RED ROCK	R	S	80	295		
SLATE	B	S	295	325		
RED ROCK	R	S	325	400		
SLATE/SHALE		H	400	420		
SHELLS	W	H	420	600		
RED ROCK	R	H	600	985		
SAND	W	H	985	1120		
SLATE	W	S	1120	1380		
SHELLS	B	H	1380	1468		
BIG INJUN		H	1468	1588		
LIME	B	H	1588	1610		
SLATE	W	S	1610	1880		
SHALE	B	S	1880	1950		
BEREA	G	H	1950	1962		
SHALE	G	H	1962	2310		
GORDON	G	S	2310	2350	SHOW OF GAS	
SHALE	D	S	2350	2460	TOTAL DEPTH	

(over)

* Indicates Electric Log tops in the remarks section.

MAR 27 1981



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
FEB - 5 1981

Oil and Gas Division
OIL & GAS DIVISION
DEPT. OF MINES
OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Denzil Wingrove
Address 2530 27th Ave., Parkersburg WV
Mineral Owner Same as Surface Owner
Address _____
Coal Owner Same as Surface Owner

DATE January 12, 1981
Company H.D.Wells Oil & Gas Exp'l & Devel
Address P.O.Box 1785, Charleston, WV 25326
Farm Denzil Wingrove Acres 28
Location (waters) Ohio River
Well No. 1 Elevation _____
District Union County Wood
Quadrangle Marietta

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 10-9-81
Fred B. [Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED K. Paul Goodnight
ADDRESS Smithville, WV 26178
PHONE 477-3660

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 Dec 30 1980 by Quaker State Oil Co. made to H.D. Wells and recorded on the 30 day of Oct 1980, in Wood County, Book 749 Page 700

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 BOND

47-107-1141

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 X 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 344-2401 TELEPHONE 304-346-2829
 ESTIMATED DEPTH OF COMPLETED WELL: 3,000' ROTARY X 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	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8 K-55, 24#/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
Liners			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