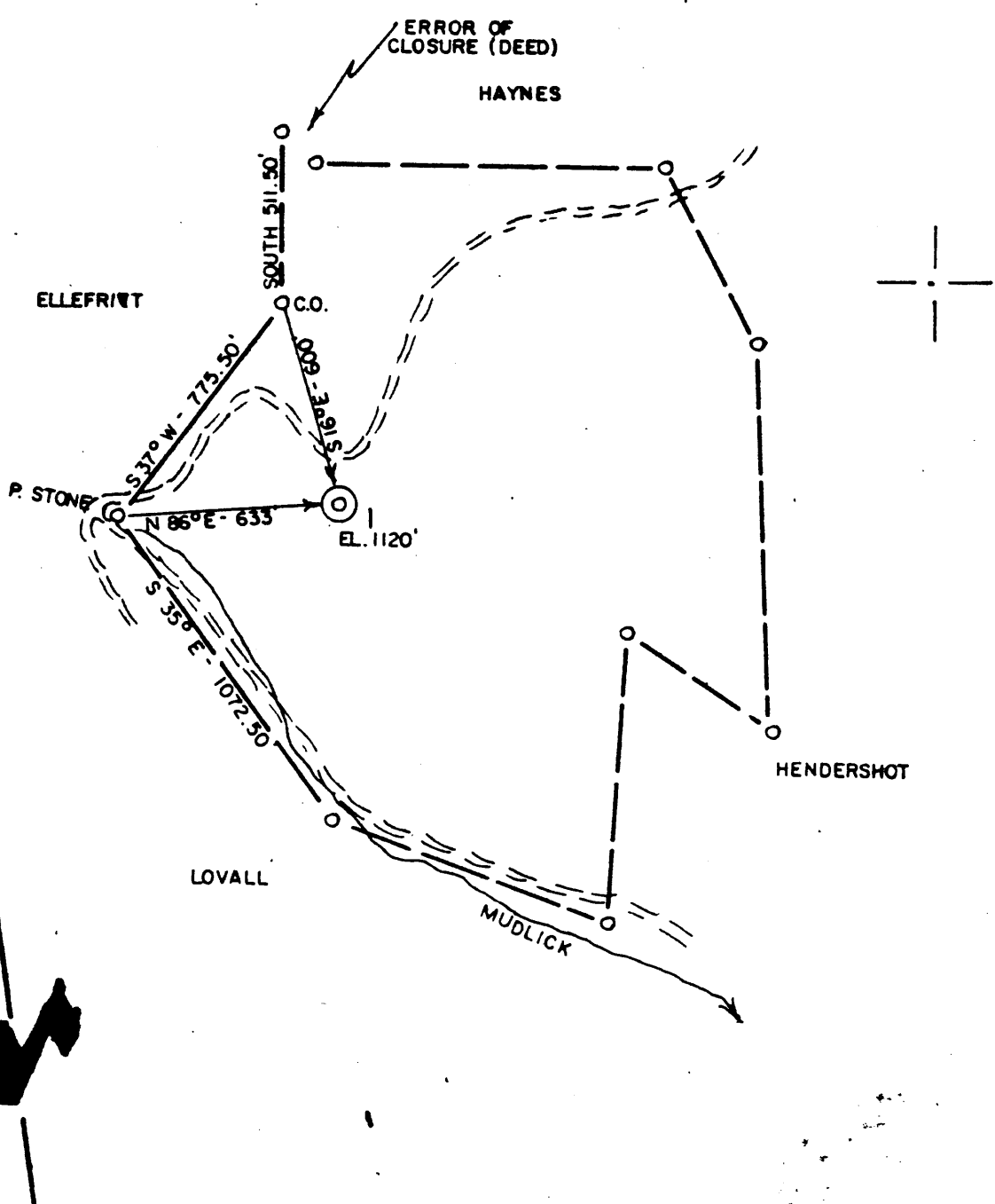


ol 12/19 1:1

Latitude 39° 20' 00"

6580' SOUTH
2860' WEST

Longitude 80° 52' 30"



ACCURACY: 1' / 200'

- New Location
- Drill Deeper
- Abandonment - 5/3/82
- Fracture
- Redrill
- Other

Formation FIFTH Oil
 Est. Depth 3200' Gas
 Other

Source of Elevation OAK GROVE CH. (1068')

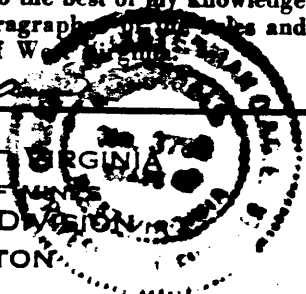
I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 1 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

Company MAGNUM OIL CORP.
 Address PARKERSBURG, WV
 Surface Owner BROOKS FERREBEE, ET AL
 Mineral Owner " " " "

Well No. 1 Acres 60
 Elevation 1120' WU '15'
 Quadrangle PENNSBORO Series 7.5'
 County TYLER District CENTERVILLE
 Date 11/5/80 Scale 1" = 500'

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



WELL LOCATION MAP
47 - 095 - 0887-P
 STATE COUNTY PERMIT

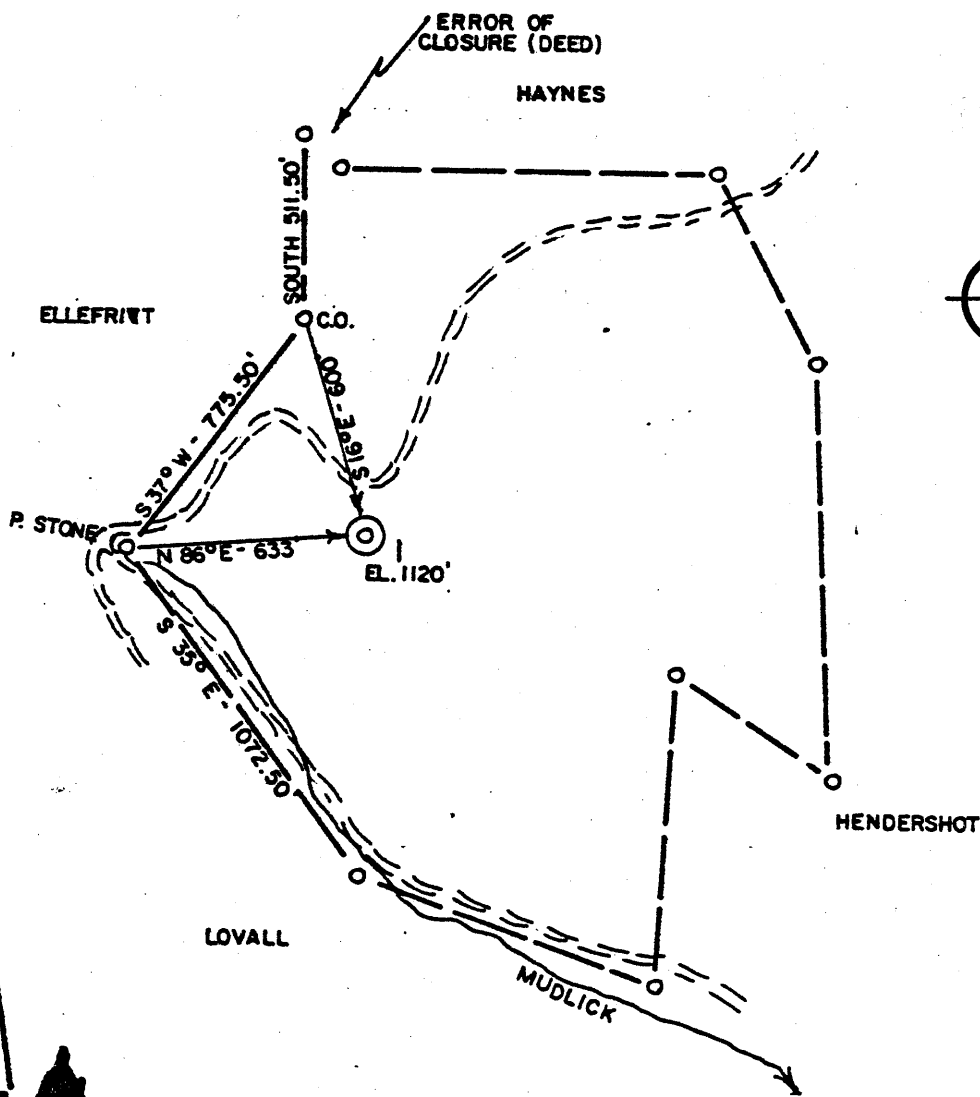
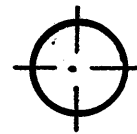
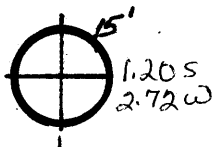
+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-676

Fifth sand 3200'

Latitude 39° 20' 00"

6580' SOUTH
2860' WEST

Longitude 80° 52' 30"



ACCURACY: 1' / 200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation FIFTH Oil
 Est. Depth 3200' Gas
 Other

Source of Elevation OAK GROVE CH. (1068')
 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 paragraphs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 of the mining laws of West Virginia.

Chet Waterman

Company MAGNUM OIL CORP.
 Address PARKERSBURG, WV
 Surface Owner BROOKS FERREBEE, ET AL
 Mineral Owner " " " "

Well No. 1 Acres 60
 Elevation 1120' *WU 15'*
 Quadrangle PENNSBORO *West Union, Series 7.5*
 County TYLER District CENTERVILLE
 Date 11/5/80 Scale 1" = 500'

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

WELL LOCATION MAP
47 - 095 - 0887
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer **CHET WATERMAN**
 Engineer's Registration No. 3788 File No. 80-676

*Fifth Land 3200'
6-6 Stanley (90)*

JAN 21 1981



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle Pennsboro 7.5
Permit No. 47-095-0887

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

Company Magnum Oil Corporation
Address P.O. Box 4295, Parkersburg, WV 26101
Farm B. Ferrebee, et al Acres 59.25
Location (waters) Mudlick
Well No. 1 Elev. 1,120'
District Centerville County Tyler
The surface of tract is owned in fee by _____
B. Ferrebee
Address Pennsboro, WV 26415
Mineral rights are owned by Same
Address _____
Drilling Commenced February 14, 1981
Drilling Completed February 19, 1981
Initial open flow _____ cu. ft. _____ bbls.
Final production 100 cu. ft. per day .5 bbls.
Well open 4 hrs. before test 150 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	265'	249'	circulate
7			
5 1/2			
4 1/2		2550'	180 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Fractured on July 15, 1981:

1st stage - 25,000 lbs. 20/40 sand, 180 scf nitrogen

Testing well:

500 gal. acid, 105 bbls water

2nd stage - 25,000 lbs. 20/40 sand, 180 scf nitrogen, 155 bbls. water

Coal was encountered at None Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun - Weir Depth 2297-2480 - 2030-2122

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Maxton			1852	1893		
Slate			1894	1944		
Big Lime			1945	2028		
Keener			2029	2054		
Big Injun			2054	2129		
Shale & Slate			2130	2293		
Weir			2294	2414		
Shale			2415	2476		
Berea			2477	2481		
Shale			2482	2775		
Gordon			2776	2784		
Shale			2785	2900		
Fifth Sand			2902	2908		
				2997 TD		

RECEIVED
AUG 1 1981
OIL & GAS DIVISION
DEPT. OF MINES

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

Date July 30 1931

APPROVED David M. Carter (Owner)

By Carter
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Pennsboro 7.5

Permit No. 47-095-0887

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

Company Magnum Oil Corporation
Address P.O. Box 4295, Parkersburg, WV 26101
Farm B. Ferrebee, et al Acres 59.25
Location (waters) Mudlick
Well No. 1 Elev. 1,120'
District Centerville County Tyler
The surface of tract is owned in fee by _____
B. Ferrebee

Address Pennsboro, WV 26415
Mineral rights are owned by Same
Address _____

Drilling Commenced February 14, 1981
Drilling Completed February 19, 1981
Initial open flow _____ cu. ft. _____ bbls.
Final production 100 cu. ft. per day .5 bbls.
Well open 4 hrs. before test 150 RP.

Well treatment details:

Attach copy of cementing record.

Fractured on July 15, 1981:

1st stage - 25,000 lbs. 20/40 sand, 180 scf nitrogen

Testing well:

500 gal. acid, 105 bbls water

2nd stage - 25,000 lbs. 20/40 sand, 180 scf nitrogen, 155 bbls. water

Coal was encountered at None Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
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Fifth Sand			2902	2908		
				2997 TD		

RECEIVED
AUG 1 1981

OIL & GAS DIVISION
DEPT. OF MINES

(over)

* Indicates Electric Log tops in the remarks section.

AUG 24 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

Date July 30 1981

APPROVED David M. Carter (Owner)

By Rescht
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 16 1980

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 11, 1980
Company Magnum Oil Corporation
Address P.O. Box 4295, Parkersburg, W. Va.
Farm Ferrebee Acres 59.25
Location (waters) Mudlick Run
Well No. One (1) Elevation 1120
District Centerville County Tyler
Quadrangle Pennsboro 7.5

Surface Owner Brooks Ferrebee, et al
Address Pennsboro, W. Va.
Mineral Owner Brooks Ferrebee, et al
Address Pennsboro, W. Va.
Coal Owner Same as above
Address Same as above
Coal Operator N/A
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 8-22-81.

INSPECTOR Wm Blosser
TO BE NOTIFIED Phillip L. Tracy
ADDRESS Rt. 4, Box 317
P.O. Box 173, Middlebourne, W. Va.
PHONE 758-4373
363-9105

J. J. Murray
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 January 14 19 80 by Brooks Ferrebee, et al made to Petroleum Services, Inc. and recorded on the 9th day of Sept. 19 80 in Tyler County, Book 223 Page 323

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,
(Sign Name) Daniel M. Chambers
Well Operator

P. O. Box 4295
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.

BANKET BOND

47-095-0887 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 Daniel M. Chambers

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 Gene Stalnaker, Inc. NAME David M. Chambers
 ADDRESS P. O. Box 178 Glenville, W. Va. ADDRESS 23 Campbell Drive Parkersburg
 TELEPHONE 304-462-5701 TELEPHONE 304-422-1149
 ESTIMATED DEPTH OF COMPLETED WELL: 3,000 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Fifth
 TYPE OF WELL: OIL _____ GAS _____ COMB. X 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	250'	250'	Circulate to surface
7			
5 1/2			
4 1/2		3,000'	300 175 sks or as reqd.
3			Perf. Top by rule 15.01
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 81 & 119 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None in area
 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