

34 17 25
80 43 00
1.105
1.80W

Note: - Shown is a 115.75 ac part of the whole tract

Minimum Error of Closure 1 in 200

Source of Elevation Elev Well No. 1 - (shown) = 1125 - Permit Dad-232

Fracture 5/1/79
New Location
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.

Signed: [Signature]
Squares: N S E W

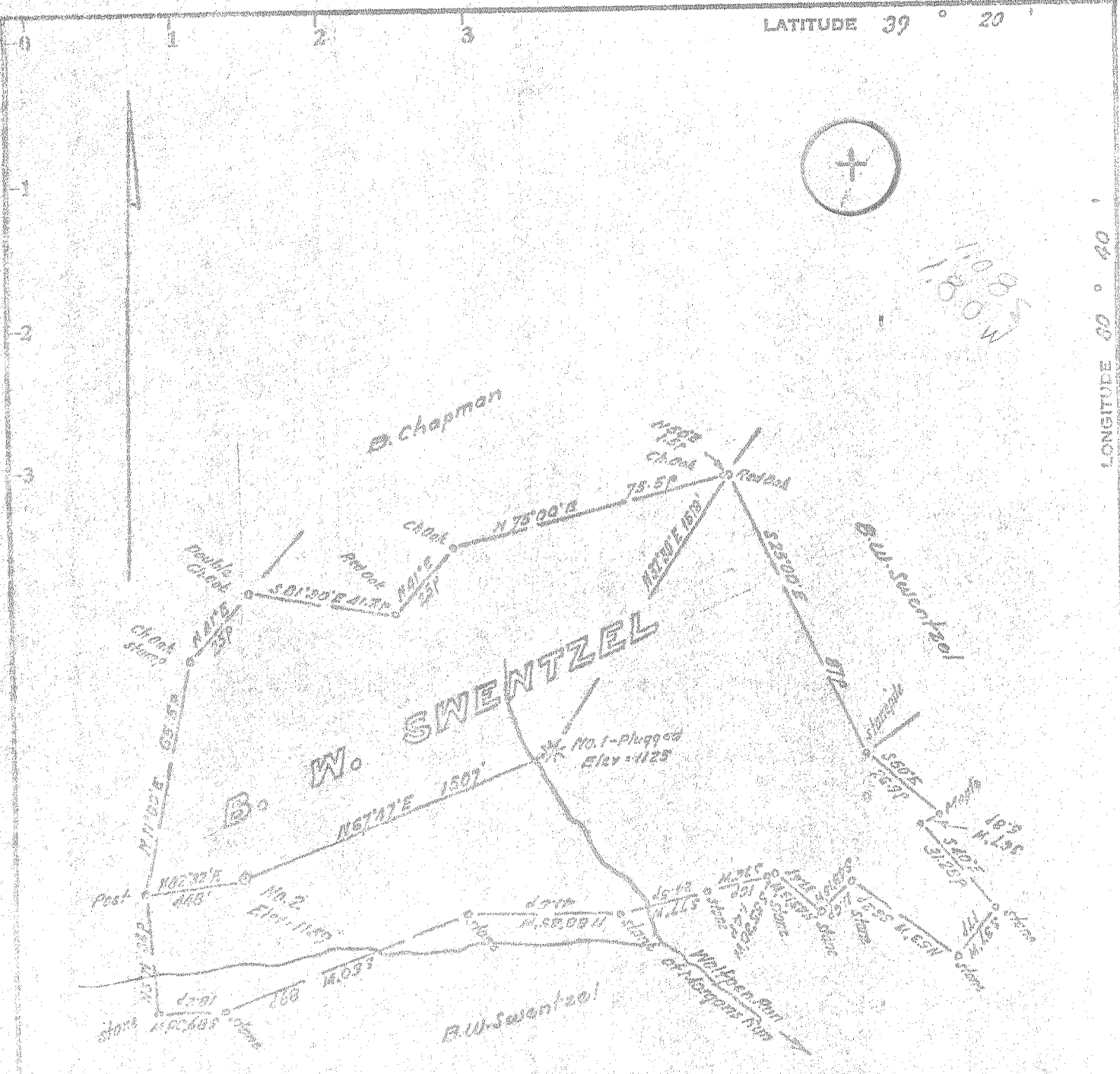
Company MAGNUM OIL CORP.
Address PARKERSBURG, WV 26101
Farm B. W. Swentzel
Tract 120 Acres 225+ Lease No.
Well (Farm) No. Two Serial No.
Elevation (Spirit Level) 1159
Quadrangle Centerpoint S 11
County Doddridge District Grant
Engineer [Signature]
Engineer's Registration No. 1227
File No. Drawing No.
Date Feb. 19, 1970 Scale 1" = 40 p = 660'

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

WELL LOCATION MAP

FILE NO. 47-017-1582-FRAC

+ 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.



Minimum Error of Closure 1 in 280
 Source of Elevation Elev Well No. 1 - (shown) = 1125 - Permit Dod-252

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: [Signature]
 Squares N E W

Map No.

Company Trey A. Brody, Jr.
 Address Buckhannon, West Va.
 Farm A.W. Swentzel
 Tract Acres 285.4 Lessee No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1159
 Corner/angle Geopoint - SW
 County Doddridge District Grant
 Engineer [Signature]
 Engineering Registration No. 4087
 File No. _____ Drawing No. _____
 Date Feb 12, 1968 Scale 1" = 400' = 660'

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

WELL LOCATION MAP
 FILE NO. DODD-1582

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

JUL 20 1979
47-017-1582-F
OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Centerpoint

Permit No. 1582-F

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

Stimulation

Company Magnum Oil Corporation
Address P. O. Box 691
Farm W. B. Swentzel Acres 120
Location (waters) Wolfpen Run
Well No. #2 Elev. 1154
District Grant County Doddridge
The surface of tract is owned in fee by _____
Kipling Swentzel, etal
Address Morgansville, WV
Mineral rights are owned by Same
Address _____
Drilling Commenced May 1, 1979
Drilling Completed May 10, 1979
Initial open flow 89,000 cu. ft. _____ bbls.
Final production 189,000 cu. ft. per day _____ bbls.
Well open 4 hrs. before test 110 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			
7			
5 1/2			
4 1/2		2100	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Acidizing Treatment - 50 bbls. water, 1000 gallons acid - 950 psi.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Big Injun Depth 2268 2090

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

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 2

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Centerpoint
Permit No. Dodd. 1582

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Troy A. Brady, Jr.
Address Box 371 Buckhannon, W. Virginia
Farm W. E. Swentzel Acres 237.825
Location (waters) Morgans Run
Well No. Two Elev. 1154
District Grant County Doddridge
The surface of tract is owned in fee by Walter Bruce Swentzel, et al
Address Rt 4, West Union W. Va.
Mineral rights are owned by Same

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size		16'	Kind of Packer
16			
13		289'	Size of
10	1131'		Depth set
8 1/4			
6 3/4			
5 3/16		2163'	
4 1/2			
3			Perf. top <u>2077</u>
2			Perf. bottom <u>2090</u>
Liners Used			Perf. top
			Perf. bottom

Drilling commenced April 9, 1970
Drilling completed June 1, 1970
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 200,000 Cu. Ft.
Rock Pressure 100 lbs lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)

Attach copy of cementing record. 2163' 6-3-70
CASING CEMENTED 103/4 SIZE 289' No. Ft. 4-21-70 Date
Amount of cement used (bags) 90
Name of Service Co. Lawson
COAL WAS ENCOUNTERED AT none FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) by Dowell 25000 lbs sand; 250 gal acid
600 bbl water; 96,368 cu ft Nitrogen
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 200 MC FGPD
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water Feet Salt Water 1350' Feet Hole full
Producing Sand Injun Depth 2168'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	18			
REd Rock			18	31			
Lime			31	48			
Slate			48	68			
Sand			68	97			
Slate			97	131			
Red Rock			131	197			
Slate			197	232			
Lime			232	265			
Sand			265	303			
Slate			303	310			
Lime			310	682			
Red Rock			682	722			
Lime			722	865			
Sand			865	890			
Lime			890	1020			
Sand			1020	1050			
Lime			1050	1066			
Slate			1066	1120			
Lime			1120	1190			
Sand			1190	1257			
Lime			1257	1270			
Slate			1270	1282			
Sand			1282	1310			
Slate			1310	1320			

RECORDED
JUL 16 1970
OIL & GAS DIVISION
DEPT. OF MINES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks	
Sand			1320	1382	Water	1350'	Hole Full (Salty)	
Slate			1382	1398				
Sand			1398	1440				
Lime			1440	1454				
Sand			1454	1485				
Slate			1485	1538				
Lime			1538	1548				
Sand			1548	1567				
Lime			1567	1605				
Sand			1605	1668				
Slate			1668	1690				
Sand			1690	1714	Oil	1695'		Show
Lime			1714	1750				
Slate			1750	1762				
Sand	Broken		1762	1778	Gas	1770-76		8/10 W thru 1"
Sand	Maxton		1778	1808				
Lime			1808	1815				
Sand			1815	1862				
Lime	Little		1862	1871				
Sand			1871	1924				
Lime	Big		1924	1951				
Sand			1951	1958				
Lime			1958	1972				
Sand			1972	1992				
Lime			1992	2016				
Sand	Broken		2016	2076				
Sand	Injun		2076	2093	Gas	2084	16/10 W thru 1"	

Date _____, 19__

APPROVED

By

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

MAY - 7 1979

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

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

DATE May 7, 1979

Surface Owner W. B. Swentzel, et al
Address Morgansville, WV
Mineral Owner W. B. Swentzel, et al
Address Same
Coal Owner None
Address _____
Coal Operator None
Address _____

Company Magnum Oil Corporation
Address Parkersburg, WV 26101
Farm Swentzel Acres 120
Location (waters) Wolf Pen Run of Morgan's Run
Well No. Two Elevation 1154
District Grant County Doddridge
Quadrangle Centerpoint

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 fracturing. This permit shall expire if
operations have not commenced by 1-9-80

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech St., Clarksburg, WV 26301
PHONE 622-3871

Robert S. D.
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 Sept. 15, 1969 by Walter Bruce Swentzel made to Troy A. Brady, Jr. and recorded on the _____ day of _____ 19____, in Doddridge County, Book _____ Page _____

_____ 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, MAGNUM OIL CORPORATION
(Sign Name) David M. Chambers
Well Operator

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

1531 Garfield Ave., P. O. Box 691,
Street
Parkersburg,
City or Town
West Virginia
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.

47-017-1582-FRAC. PERMIT NUMBER

BOND FRAC

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 Don Conner NAME David M. Chambers
 ADDRESS _____ ADDRESS P.O. Box 691, Parkersburg, WV
 TELEPHONE _____ TELEPHONE 1-304-485-1730
 ESTIMATED DEPTH OF COMPLETED WELL: 2010 ROTARY _____ CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: _____
 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			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET

APPROXIMATE COAL DEPTHS _____

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