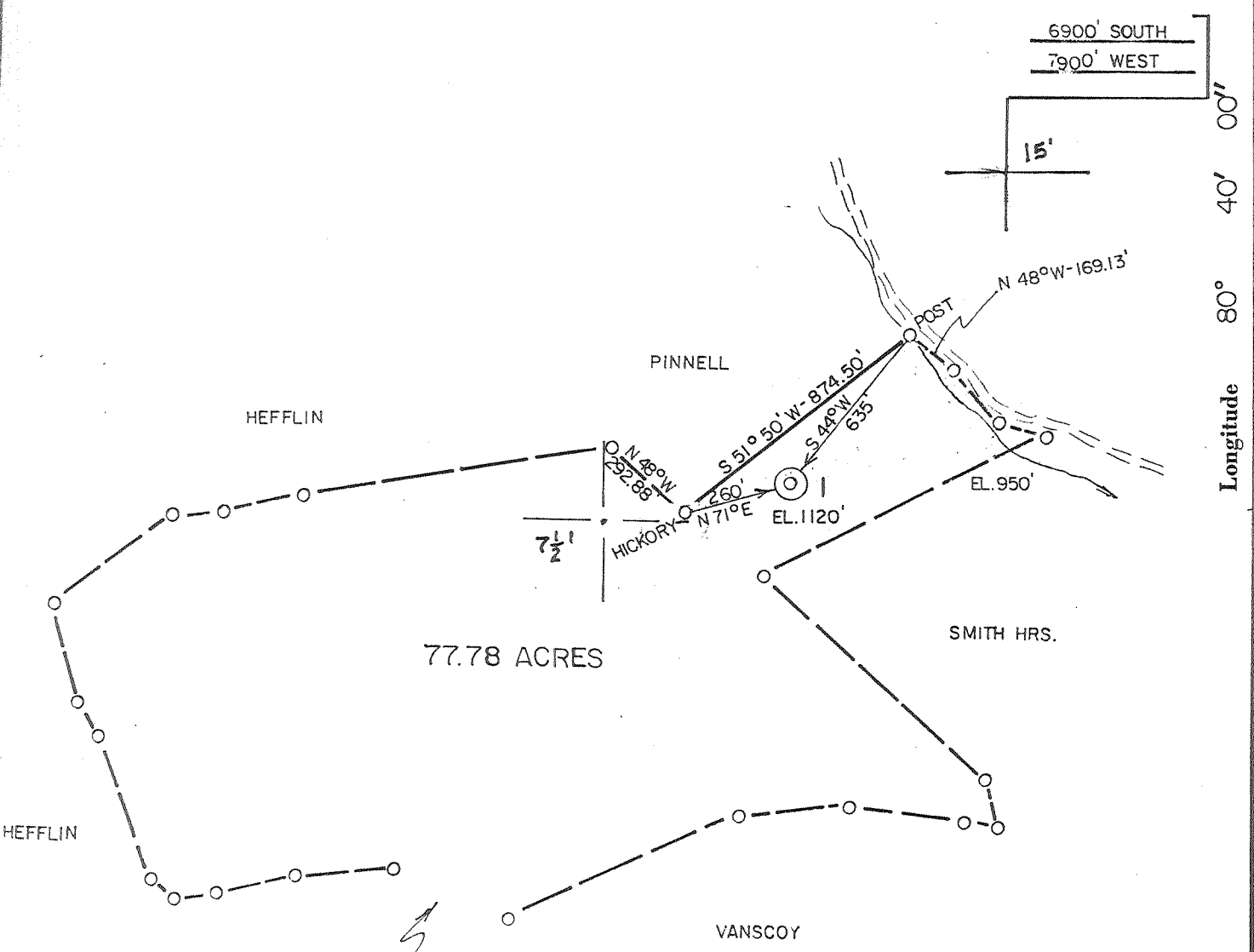


1-24

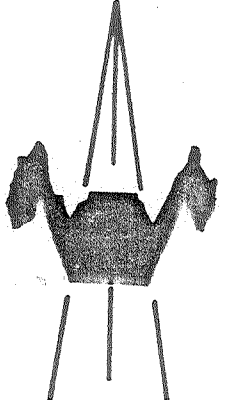
Latitude 39° 20' 00"

6900' SOUTH  
7900' WEST

Longitude 80° 40' 00"



ERROR OF CLOSURE (DEED)



ACCURACY: 1' / 200'

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

Formation FIFTH SAND Oil   
 Est. Depth 3000' Gas   
 Other

Source of Elevation ROAD  
 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 MAGNUM OIL CORP 545  
 Address PARKERSBURG, WV  
 Surface Owner CLAUDE FRAZIER CLARK Swentzel  
 Mineral Owner W.B. SWENTZEL ET AL

---

Well No. 1 Acres 77.78  
 Elevation 1120' CENTERPOINT 15'  
 Quadrangle SMITHBURG Series 7.5'  
 County DODDRIDGE District GRANT  
 Date 3/5/80 Scale 1" = 500'

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

**WELL LOCATION MAP**  
47 - 017 - 2637-P  
 STATE COUNTY PERMIT

*Plugging Permit Cancelled*  
 + Denotes location of well on United States Topographic Maps.  
 Engineer **CHET WATERMAN**  
 Engineer's Registration No. 3788 File No. 80-133

JAN 19 1987

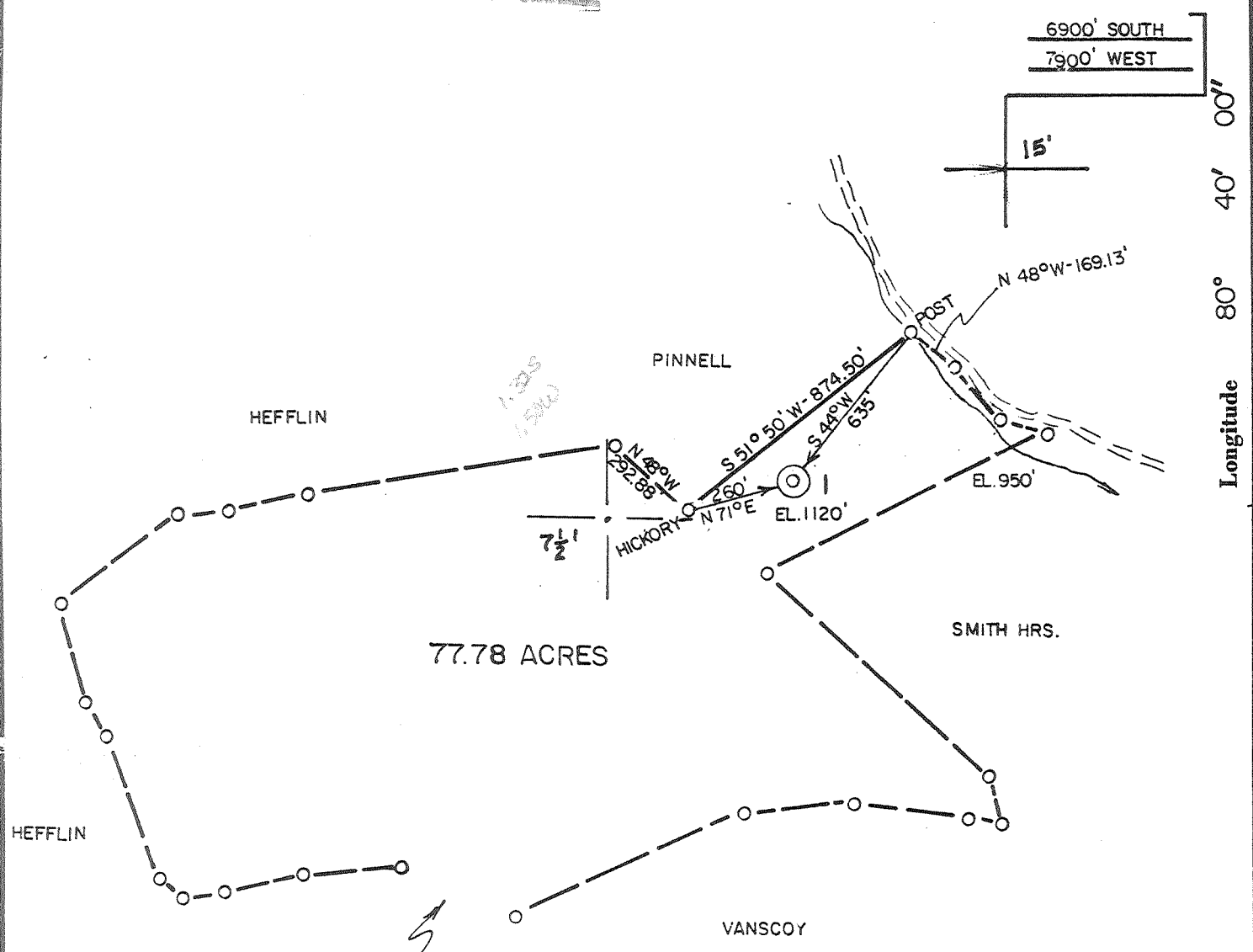
Dodd-2637-2

Plot Card CSD

Latitude 39° 20' 00"

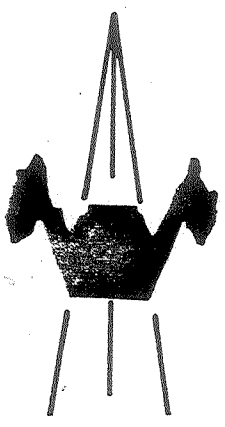
6900' SOUTH  
7900' WEST

Longitude 80° 40' 00"



77.78 ACRES

ERROR OF CLOSURE (DEED)



ACCURACY: 1' / 200'

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

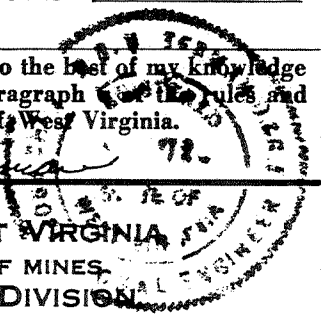
Formation FIFTH SAND  
 Est. Depth 3000'

Oil   
 Gas   
 Other

Source of Elevation ROAD

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 4 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 ~~CLAUDE FRAZIER~~ CLARK Swentzel  
 Mineral Owner W.B. SWENTZEL ET AL

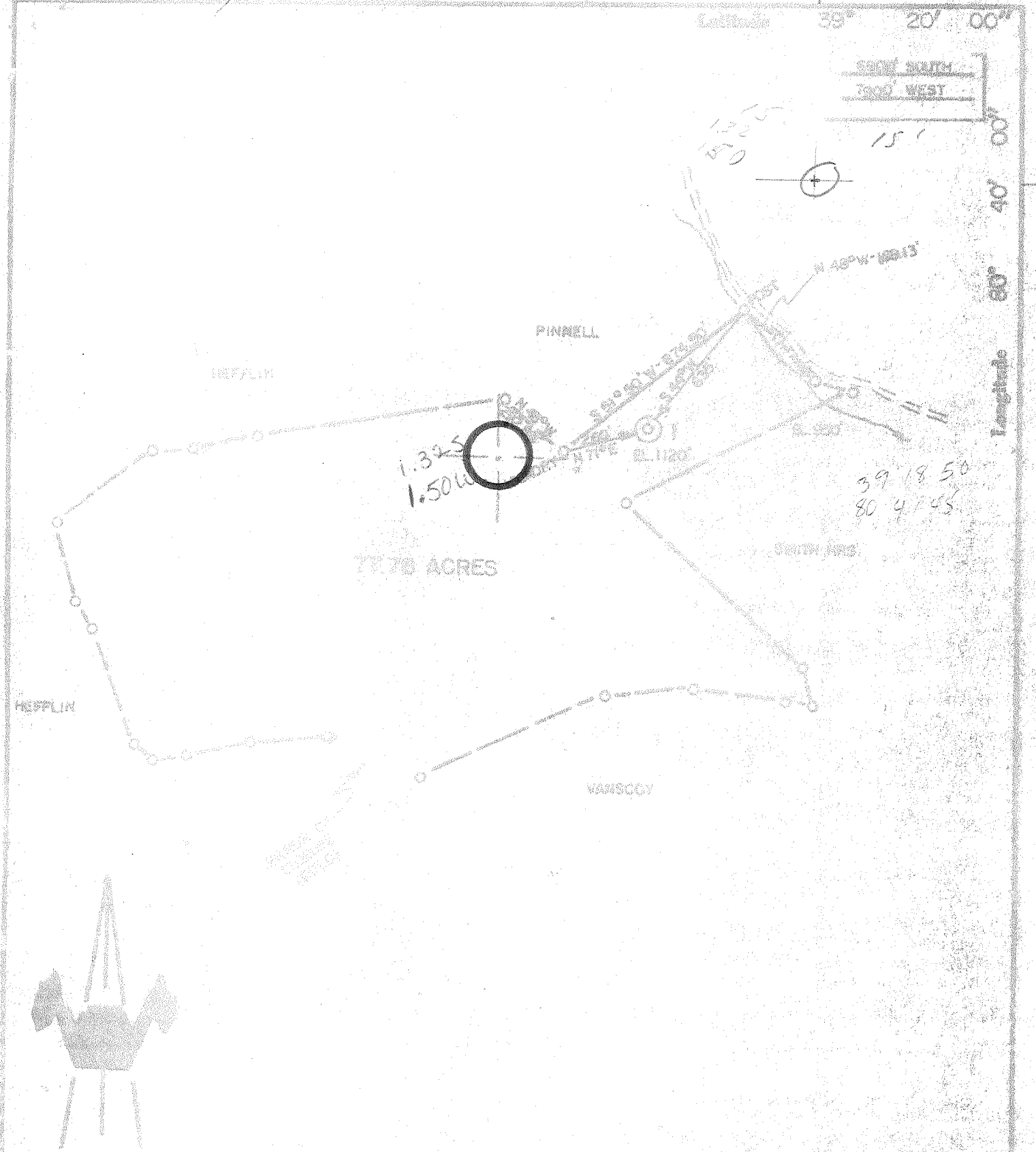
---

Well No. 1 Acres 77.78  
 Elevation 1120' CENTERPOINT 15'  
 Quadrangle SMITHBURG Series 7.5'  
 County DODDRIDGE District GRANT  
 Date 3/5/80 Scale 1" = 500'

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

WELL LOCATION MAP  
47 - 017 - 2637-P  
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN OCT 18 1982  
 Engineer's Registration No. 3788 File No. 80-133



ACCURACY: 1/200  
 New Location   
 Drill Deeper   
 Abandonment   
 Fracture   
 Redrill   
 Other

Formation FIFTH SAND  
 Est. Depth 3000'  
 Source of Elevation ROAD

I, the undersigned, hereby certify that this map is correct in the location of the well and shows all the information required by paragraph 1 of the regulations of the oil and gas section of the mining laws of West Virginia.

Company MAGNUM OIL CORP  
 Address PARKERSBURG, WV  
 Surface Owner Clark Swen et al  
 Mineral Owner W.B. SWENTZER ET AL  
 Well No. 77.78  
 Elevation 1500'  
 One-Acre SMITHTON 7.5' SW  
 County DODDRISE GRANT  
 Date 3/5/60

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

WELL LOCATION MAP  
 37 - 807 - 2437  
 STATE POLARITY HEIGHT  
 Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 5788 P.L. No. 60-133

6-4 SMITHTON FLINT SEDALIA 99

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

Date April 25, 1980

FORM IV-35  
(Observer)

Operator's  
Well No. Swentzel #4

[08-78]

WELL OPERATOR'S REPORT /  
OF

API Well No. 47 - 017 - 2637  
State County Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal  /  
(If "Gas", Production  / Underground storage  / Deep  / Shallow  /)

LOCATION: Elevation: 1120 Watershed: Morgans Run  
District: Grant County: Doddridge Quadrangle: Smithburg 7.5

WELL OPERATOR: Magnum Oil Corporation DESIGNATED AGENT Magnum Oil Corporation  
Address Box 4295 Address Box 4295  
Parkersburg, WV 26101 Parkersburg, WV 26101

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Re-drill  / Fracture or stimulate   
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON March 24, 1980

OIL & GAS INSPECTOR FOR THIS WORK:

IF APPLICABLE: PLUGGING OF DRY HOLE OR  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED

Name Paul Garrett  
Address 321 Beech Street  
Clarksburg, WV

GEOLOGICAL TARGET FORMATION: Injun & Weir Depth 2359 feet

Depth of completed well, 2879 feet Rotary  / Cable Tools

Water strata depth: Fresh, 80 feet; salt, N/A feet.

Coal seam depths: N/A Is coal being mined in the area? No

Work was commenced May 29, 1980, and completed April 3, 1980

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8 5/8 CW		20#	X		333	333	Circ.
Gal								Sizes
Intermediate								
Production								Depths set
Logging	4 1/2 CW		10.5	X		2805	2805	150 sks
Packers	1 1/2 sml		3.5				2700	Perforations:
								Top Bottom
								2510 - 2357

RECORDED

APR 29 1980

WELL FLOW DATA

Producing formation Gordon & Gantz OIL & GAS DIVISION Pay zone depth 2510-2736 feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d

Final open flow, 300 Mcf/d Final open flow, 1 Bbl/d

Time of open flow between initial and final tests, 4 hours

Static rock pressure, 850 psig (surface measurement) after 24 hours shut in

[If applicable due to multiple completion--]

Second producing formation Weir Pay zone depth 2217-2357 feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d

Final open flow, 150 Mcf/d Final open flow, 1 Bbl/d

Time of open flow between initial and final tests, 4 hours

Static rock pressure, 850 psig (surface measurement) after 24 hours shut in

JUN 4 1980

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

rdon - Fraced with 21,000# Sand - 500 gal. Perforations:  
ntz Acid and 158,000 SCF N<sup>2</sup> 2510-12 3 holes  
2718-24 8 holes  
2732-36 5 holes

Weir: - fraced with 21,000# Sand - 500 gal. Perforations:  
Acid and 210,000 SCF N<sup>2</sup> 2217-19 2 holes  
2307-11 5 holes  
2317-20 3 holes  
2340-42 2 holes  
2349-57 10 holes

WELL LOG

FORMATION	Color	Hard or Soft	1/3 Top Feet	Bottom Feet	Remark Including indication of oil, fresh and salt water, coal, oil and gas
Sand & Soil	brown	soft	0	15	
Sand & Shale	brown	soft	15	1823	
Sand - Maxon	white	hard	1823	1847	
Shale	black	soft	1847	1935	
Sand - Blue Monday	white	hard	1935	1985	
Lime - Big Lime	white	hard	1985	2044	
Sand - Keener	white	hard	2044	2068	
Sand - Big Injun	white	hard	2068	2144	
Shale	black	soft	2144	2286	
Sand Weir	brown	hard	2286	2359	
Shale	black	soft	2359	2507	
Sand - Gantz	white	hard	2507	2515	
Shale	black	soft	2515	2714	
Sand - Gordon	white	hard	2714	2739	
Shale	black	soft	2739	2780	
Sand - <u>4th</u>	white	hard	2780	2790	
TD				2879	

(Attach separate sheets to complete as necessary)

Magnum Oil Corporation  
Well Operator

By John Cushing  
Its Agent

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
MAR 24 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 March 24, 1980

Surface Owner Clark Swentzel

Company Magnum Oil Corporation

Address 109 Kenyon Court, Joppatown, MD

Address Box 4295, Parkersburg, WV

Mineral Owner W. B. Swentzel et al

Farm Swentzel Acres 77.78

Address Rt. 2, West Union, WV

Location (waters) Morgans Run

Coal Owner N/A

Well No. 1 Elevation 1120

Address N/A

District Grant County Doddridge

Coal Operator N/A

Quadrangle Smithburg 7.5

Address N/A

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 11-27-80

*[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 November 13 1979 by Walter Bruce Swentzel made to Magnum Oil Corporation and recorded on the 21 day of March 1980 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) by David M Chambers  
Well Operator *[Signature]*

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

Box 4295 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.

BLANKET BOND

47-017-2637

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 Gene Stalnaker, Inc. NAME Magnum Oil Corporation  
 ADDRESS Box 9, Letter Gap, WV ADDRESS Box 4295, Parkersburg, WV  
 TELEPHONE 462-5701 TELEPHONE 485-1730  
 ESTIMATED DEPTH OF COMPLETED WELL: 3000 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	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	240 350'	240 350'	Circ.
7			
5 1/2			
4 1/2	3000'	3000	125 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS N/A  
 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