

Minimum Error of Closure 1 Ft in 200 Feet  
 Source of Elevation 950 Ft - Jct. Route #50 4-lane and 50/30

"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: M. E. Murray*  
 2-2-80

Well Type Oil - 2500 Gallon Production

- New Location
- Drill Deeper
- Abandonment

Company VINSON GAS & OIL DRILLING Co. Inc.  
 Address 94 Valley Street, Salem, W. Va.  
 Farm V. OLIVE ELLIFRITT HEIRS  
 Tract \_\_\_\_\_ Acres 133 Ac. Lease No. \_\_\_\_\_  
 Well (Farm) No. \_\_\_\_\_ Serial No. V.G.#0.No.18  
 Elevation (Spirit Level) 1021 Feet  
 Quadrangle Pennsboro 7 1/2 WEST UNION SC  
 County Doddridge District Central  
 Engineer M. E. Murray  
 Engineer's Registration No. 7  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date July 07, 1980 Scale 1" = 40 Poles = 660 Ft.

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

**WELL LOCATION MAP**  
 FILE NO. 017-2834

— 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.

WELL TYPE: Oil X / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_  
(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow XX)  
LOCATION: Elevation: 1021 Watershed: \_\_\_  
District: Central County: Doddridge Quadrangle: Oxford

WELL OPERATOR W. Va. Joint Venture #2

DESIGNATED AGENT Thomas J. Fluharty

Address 94 Valley St.  
Salem, W. Va. 26426

Address 94 Valley St.  
Salem, W. Va. 26426

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

PERMIT ISSUED ON 9/23, 1980

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Paul Garrett

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION: Berea Depth 2500 feet

Depth of completed well, 2500 feet Rotary X / Cable Tools \_\_\_

Water strata depth: Fresh, 209 feet; salt, 1503 feet.

Coal seam depths: none Is coal being mined in the area? no

Work was commenced 11/24, 1980, and completed 11/30, 1980

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used		
Conductor	11-3/4		42	X		50 sacks	Kinds
Fresh water	8-5/8		20		X	To Surface	80 Bags
Coal	none						Sizes
Intermediate	none						
Production	4-1/2		10.5	X		150 sacks	Depths set
Tubing	2-3/8						
Liners							
							Perforations:
							Top Bottom
							2036 2046
							2271 2301

RECEIVED  
JAN 14 1981

OPEN FLOW DATA

Producing formation Injun 2036-2046

OIL & GAS DIVISION

DEPT. OF MINES

Pay zone depth 10 feet

Gas: Initial open flow, 0 Mcf/d

Oil: Initial open flow, 0 Bbl/d

Final open flow, 80 Mcf/d

Final open flow, 3 Bbl/d

70 Mcf + 10 Bbls Time of open flow between initial and final tests, 24 hours

Static rock pressure, 600 psig (surface measurement) after 24 hours shut in

[If applicable due to multiple completion--]

Second producing formation Weir 2271-2301

Pay zone depth 30 feet

Gas: Initial open flow, 0 Mcf/d

Oil: Initial open flow, 0 Bbl/d

Final open flow, 90 Mcf/d

Final open flow, 7 Bbl/d

Time of open flow between initial and final tests, 24 hours

Static rock pressure, 600 psig (surface measurement) after 24 hours shut in

FORM IV-35  
(Reverse)  
[08-78]

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

Perforations:

2036-2046 10 holes  
2271-2301 30 holes

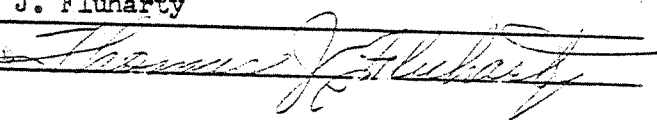
WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Shale			0	75	
Red Rock			75	110	
Shale			110	385	
Sand			385	415	Water 209'
Sand			415	437	
Red Rock			437	468	
Sand			468	495	
Shale			495	555	
Sand			555	610	
Shale			610	670	
Sand			670	700	
Shale			700	1040	
Sand			1040	1100	
Shale			1100	1130	
Sand			1130	1315	
Shale			1315	1410	
Sand			1410	1545	Water 1503'
Shale			1545	1650	
Sand			1650	1717	
Shale			1717	1840	
Sand			1840	1867	
Shale			1867	1890	
Sand			1890	2055	
Shale			2055	2250	
Sand			2250	2389	
Shale			2389	2500	
			TD	2500	

(Attach separate sheets to complete as necessary)

West Virginia Joint Venture #2  
Well Operator

By Thomas J. Fluharty

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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. V.G. & O. No. 18  
API Well No. 47-017-2834  
State County Permi

WELL TYPE: Oil  Gas   
(If "Gas", Production  Underground storage  Deep  Shallow )

LOCATION: Elevation: 1021 Watershed: Cabin Run  
District: Central County: Doddridge Quadrangle: Pennsboro

WELL OPERATOR Vinson Gas & Oil Drilling Co., Inc.  
Address 94 Valley street  
Salem, W. Va. 26426

DESIGNATED AGENT Thomas J. Fluharty  
Address 94 Valley street  
Salem, W. Va. 26426

OIL & GAS ROYALTY OWNER V. Olive Ellifritt Heirs  
Address \_\_\_\_\_

COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

ACREAGE 133  
SURFACE OWNER Acil B. Knight  
Address 1210 E. Penn. Ave.  
Pennsboro, W. Va.  
ACREAGE 133 AC.

COAL OWNER(S) WITH DECLARATION ON RECORD  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address OIL & GAS DIVISION  
DEPT. OF MINES

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name \_\_\_\_\_  
Address \_\_\_\_\_

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated \_\_\_\_\_, 19\_\_\_\_, to the undersigned well operator from Pennzeil Co.

[If said deed, lease, or other contract has been recorded:]  
Recorded on \_\_\_\_\_, 19\_\_\_\_, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 113 at page 462. A permit is requested as follows:

PROPOSED WORK: Drill  / Drill deeper  / Redrill  / Fracture or stimulate  /  
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) \_\_\_\_\_

---planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

BLANKET BOND

Vinson Gas and Oil Drilling Co., Inc.  
Well Operator  
Thomas J. Fluharty

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DBA- Spencer Enterprises

DRILLING CONTRACTOR (IF KNOWN) Hugh Spencer Address Smithburg W. Va.

GEOLOGICAL TARGET FORMATION, Berea

Estimated depth of completed well, 2,500 feet Rotary Cable tools Approximate water strata depths: Fresh 300 feet; salt, 1800 feet. Approximate coal seam depths: None Is coal being mined in the area? Yes

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New/Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths, Perforations, Top, Bottom)

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and THIS PERMIT MUST BE POSTED AT THE WELL SITE filed in connection therewith.

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 5-24-81

Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By Thomas J. Liberty Its