



Minimum Error of Closure 1 Ft. in 200 Feet
 Source of Elevation Petroleum Dev. - Dodd. Permit # 2568 - Elev. 1040 Ft.
 "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
 L. L. S. No. 7

- New Location
- Drill Deeper
- Abandonment

Well Type Oil & Gas Shallow Production

Company VINSON GAS & OIL DRILLING Co. Inc.
 Address 94 Valley Street, Salem, W. Va.
 Farm LEROY INGRAM
 Tract Acres 130 1/4 Lease No. _____
 Well (Farm) No. _____ Serial No. V.G. No. 17
 Elevation (Spirit Level) 951 feet
 Quadrangle OXFORD 7.5' FOLBROOK 15' NC
 County Doddridge District Central
 L. L. S. Engineer M. E. Murray
 L. L. S. Engineer's Registration No. 7
 File No. _____ Drawing No. _____
 Date _____ Scale 1" = 40 Poles = 660 Ft.

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

WELL LOCATION MAP
 FILE NO. 017-2841

+ 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 lines of original tracing.

2500 BERA
 OCT 17 1980

108-78

WELL OPERATOR'S REPORT

OF
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: 951 Watershed: Cabin Run
District: Central County: Doddridge Quadrangle: Oxford

WELL OPERATOR West Virginia Joint Venture #2 DESIGNATED AGENT Thomas J. Fluharty
Address 94 Valley St. Address 94 Valley St.
Salem, W. Va. 26426 Salem, W. Va. 26426

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____
RECEIVED
FEB - 4 1981

PERMIT ISSUED ON 9-23-, 19 80
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____, 19 _____)
OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett OIL & GAS DIVISION
Address _____ DEPT. OF MINES

GEOLOGICAL TARGET FORMATION: Berea Depth 2500 feet
Depth of completed well, 2553 feet Rotary / Cable Tools
Water strata depth: Fresh, 115 feet; salt, 1515 feet.
Coal seam depths: none Is coal being mined in the area? no
Work was commenced 12-10/, 19 80, and completed 12-17, 19 80

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	For drilling		
Conductor	11-3/4		42	x			50 sacks	Kinds
Fresh water	8-5/8		20		x	332.05	332.05	
Coal	none							Sizes
Intermediate	none							
Production	4-1/2		10.5	x		2553.00	2553.00	150 sacks
Tubing	2-3/8							Depths set
liners								Perforations:
								Top Bottom
								2070-2080
								2100-2108
								2280 2320

OPEN FLOW DATA 680 + 175 MCF
Producing formation Injun 2070-2080 2100-2108 Pay zone depth 20 feet
Gas: Initial open flow, 0 Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, 75 Mcf/d Final open flow, 3 Bbl/d
Time of open flow between initial and final tests, 24 hours
Static rock pressure, 450 psig (surface measurement) after 24 hours shut in
[If applicable due to multiple completion--]
Second producing formation Weir 2280-2320 Pay zone depth 40 feet
Gas: Initial open flow, 0 Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, 175 Mcf/d Final open flow, 6 Bbl/d
Time of open flow between initial and final tests, 24 hours
Static rock pressure, 650 psig (surface measurement) after 24 hours shut in

MAR 9 1981

[08-78]

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

2070-2080 10 holes
2100-2108 8 holes
2280-2320 40 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
Red Clay			0	5	
Red Rock			5	15	
Sand			15	35	
Red Rock			35	40	
Sand			40	45	
Sand			45	48	
Shale-Red Rock			48	100	
Sand			100	265	Fresh Water
Red Rock-Shale			265	276	
Sand			276	298	
Shale			298	313	
Red Rock			313	400	
Sand			400	480	
Shale			480	493	
Sand			493	510	
Shale-Red Rock			510	710	
Sand			710	722	
Shale-Red Rock			722	953	
Sand			953	1030	
Shale			1030	1110	
Sand			1110	1125	Salt Water
Shale			1125	1185	
Sand			1185	1253	
Shale			1253	1474	
Sand			1474	1780	
Shale			1780	1850	
Sand			1850	1900	
Shale			1900	1930	
Lime Shale			1930	1975	
Lime			1975	2084	
Sand			2084	2115	
Shale			2115	2553	

(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. 17

API Well No. 47-017-2841
State County Permit

WELL TYPE: Oil Gas

(If "Gas", Production Underground storage Deep Shallow)

LOCATION: Elevation: 951 Watershed: Cabin Run

District: Central County: Doddridge Quadrangle: Oxford

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 Leroy Ingram

Address _____

COAL OPERATOR none in Area

Address: _____

Acreage 130 1/4

SURFACE OWNER Opal D. Gribble

Address _____

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name _____

Address _____

Acreage _____

FIELD SALE (IF MADE) TO:

Name _____

Address _____

Name _____

Address _____

COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED

Name _____

Address _____

RECEIVED
SEP 18 1980

OIL & GAS DIVISION
DEPT. OF MINES

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 Pennzoil Co.

[If said deed, lease, or other contract has been recorded:]

Recorded _____, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 109 at page 503. 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
161 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (304) 348-2002

SEAL & BOND

Vinson Gas & Oil Drilling Co., Inc.
Well Operator

By Thomas J. Fluharty

PROPOSED WORK ORDER

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

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

GEOLOGICAL TARGET FORMATION, Berea

Estimated depth of completed well, 2500 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 No

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	For drilling	Left in well		
Conductor	13"			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	50 bags	Kinds
Fresh water	8"		20	<input checked="" type="checkbox"/>		400	<input checked="" type="checkbox"/>	200 sacks	
Coal									Sizes
Intermediate									
Production	4 1/2"		10.5	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	120 cement	Depths set
Tubing									
Liners									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 the permit is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 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 6-2-81.

Fred R. Smith
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 _____
Its _____