

Minimum Error of Closure 1 Ft. in 200 Feet
 Source of Elevation BM Elev. 854 N.E. Cor. Pullman Topo Map

"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

Company VINSON GAS & OIL Drilling Co. Inc.
 Address 94 VALLEY STREET, SALEM, W. VA.
 Farm Chester Britton EDWARD ADAMS
 Tract No. 2 of Acres 131.5 Lease No. _____
 Well (Farm) No. 3 Serial No. V.G.F.O. No. 12
 Elevation (Spirit Level) 1018' NC
 Quadrangle Pullman HOLBROOK 15'
 County Doddridge District Central
 L.L.S. Engineer M. E. Murray
 L.L.S. Engineer's Registration No. 7
 File No. _____ Drawing No. _____
 Date MAY 21, 1979 Scale 1" = 400' = 660 Feet

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

WELL LOCATION MAP
 FILE NO. 47-017-2439

+ 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.

JUN 14 1979

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1018 Watershed: _____
District: Central County: Doddridge Quadrangle: Fullman

WELL OPERATOR Vinson G&O.- W. Va. Jt. Venture DESIGNATED AGENT Thomas J. Fluharty
Address 94 Valley St. Salem, W. Va. 26426 Address same

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 March, 1979

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Steve Casey

Address _____

GEOLOGICAL TARGET FORMATION: Weir Depth, 2500 feet

Depth of completed well, 2481 feet Rotary x / Cable Tools _____

Water strata depth: Fresh, _____ feet; salt, _____ feet.

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

Work was commenced 5-24, 1979, and completed 5-31, 1979

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	401	401	To surface
Coal	none							Sizes
Intermediate	none							Depths set
Production	4-1/2		10.5			2481	2481	150 sacks
Tubing	2-3/8				x			Perforations:
Liners								Top Bottom
								2052 2057
								2064 2070
								2285 2291

OIL & GAS DIVISION

DEPT. OF MINES 7000 + 70 MCF

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2050-70 feet

Gas: Initial open flow, 20 Mcf/d Oil: Initial open flow, 0 Bbl/d

Final open flow, 30 Mcf/d Final open flow, 4 Bbl/d

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

Static rock pressure, 350 psig (surface measurement) after 24 hours shut in

[If applicable due to multiple completion--]

Second producing formation Weir Pay zone depth 2385-70 feet

Gas: Initial open flow, 15 Mcf/d Oil: Initial open flow, 0 Bbl/d

Final open flow, 40 Mcf/d Final open flow, 6 Bbl/d

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

Static rock pressure, 1250 psig (surface measurement) after 24 hours shut in

JUN 23 1981

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

2052 - 2057 6 holes
2064 - 2070 6 holes
2285 - 2291 8 holes

WELL LOG

017-2439

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	3	
R.R.			3	10	
Sand			10	33	
R.R.			33	45	
Sand			45	49	
Shale R.R.			49	102	
Sand			102	255	
Shale			255	285	
Sand			285	305	
Shale			305	340	
Sand			340	405	
R.R.			405	430	
Shale			430	480	
Sand			480	515	
Shale			515	580	
Sand			580	615	
Shale			615	710	
Sand			710	765	
Shale			765	890	
Sand			890	1000	
Shale			1000	1030	
Sand			1030	1125	
Shale			1125	1190	
Sand			1190	1240	
Shale			1240	1410	
Sand			1410	1580	
Shale R.R.			1580	1610	
Sand			1610	1670	
Shale			1670	1740	
Sand			1740	1835	
Shale			1835	1915	
Sand			1915	2075	
Shale			2075	2280	
Sand			2280	2330	
Shale			2330	2380	
Sand Well			2380	TD	

APPROVED

JUN - 9 1951

OIL & GAS DIVISION
DEPT. OF MINES

(Attach separate sheets to complete as necessary)

Vinson G. O. - Well Fr. Operator
Well Operator

By James V. Tubert
Its General Manager

NOTE: Regulation 2.02 (c) 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. 12

API Well No. 47 - 017 - 2439
State County Permit

WELL TYPE: Oil Gas

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

LOCATION: Elevation: 1018

Watershed: Leeson Run

District: Central

County: Doddridge

Quadrangle: Pullman

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 Chester Britton

Address Greenwood, W. Va.

COAL OPERATOR None in Area

Address _____

Acreage 131.5

SURFACE OWNER Edward Adams

Address Greenwood, W. Va.

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name _____

Address _____

Name _____

Address _____

FIELD SALE (IF MADE) TO:

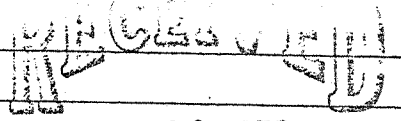
Name _____

Address _____

COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____



MAY 22 1979

OIL & GAS INSPECTOR TO BE NOTIFIED:

Name Mr. Paul Garrett
321 Beech St.
Clarksburg, WV 26301
Ph: 622-3871

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 May 22, 1979, to the undersigned well operator from Chester Britton

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

Recorded on _____, 19____, in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book _____ at page _____. 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 & Oil Drilling Co., Inc.
Well Operator
By Thomas J. Fluharty
Its _____

[08-78]

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, 2400 feet Rotary Cable tools
Approximate water strata depths: Fresh, 200 feet; salt, 1600 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"		24	<input checked="" type="checkbox"/>		CONDUCTOR			Kinds
Fresh water	8"				<input checked="" type="checkbox"/>		250'	CEMENT TO SURFACE	
Coal									Sizes
Intermediate									
Production	4 1/2"			<input checked="" type="checkbox"/>			2400'	150'	Depths set
Tubing	2 7/8"			<input checked="" type="checkbox"/>			2400'		
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 fracturing or stimulating 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.
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 1-22-80.

[Signature]
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 _____