

LATITUDE 38° 32' 30"

4,300'

LONGITUDE 81° 00' 58" 18

12,025'

NORTH

NOTE: ① THIS PLAT IS FOR PERMIT PURPOSE ONLY.  
 ② NO ACTUAL SURVEY PERFORMED.

FILE NO. \_\_\_\_\_  
 DRAWING NO. W-0201  
 SCALE 1" = 660'  
 MINIMUM DEGREE OF ACCURACY 1'-FOOT IN 200'-FEET  
 PROVEN SOURCE OF ELEVATION \_\_\_\_\_

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) [Signature] P.S.  
 R. P. E. \_\_\_\_\_ L. L. S. 1423

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



DATE SEPTEMBER 4, 2001  
 OPERATOR'S WELL NO. GOLDIE GLASS #4  
 API WELL NO. 47-39-02375F  
 STATE COUNTY PERMIT

Division of Environmental Protection  
 Office of Oil & Gas

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X)  
 LOCATION: ELEVATION 837.1 WATER SHED \_\_\_\_\_  
 DISTRICT POCA COUNTY KANAWHA  
 QUADRANGLE ROMANCE 7.5'  
 SURFACE OWNER ALLEN LADRIERE, et. ux. ACREAGE 68  
 OIL & GAS ROYALTY OWNER GOLDIE GLASS, et. al. LEASE ACREAGE 100.86  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

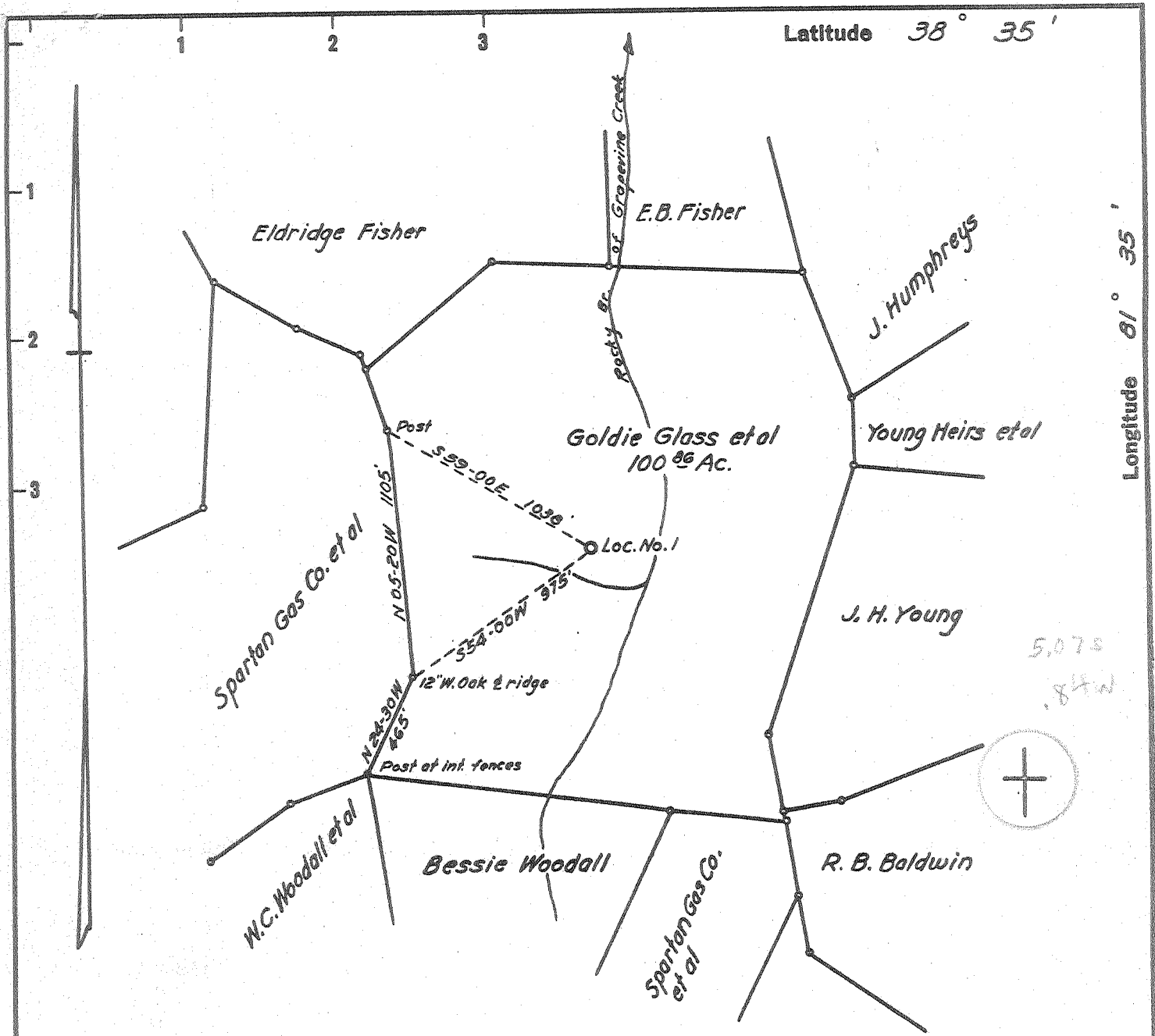
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION ORISKANEY SHALE ESTIMATED DEPTH 4,200'  
 WELL OPERATOR VIKING ENERGY, INC. DESIGNATED AGENT MICHAEL PINKERTON  
 ADDRESS P.O. BOX 3366 ADDRESS SAME AS OPERATOR  
SISSONVILLE, WV. 25360

SEP 28 2001

DEEP WELL 6-6 Rocky Fork 312

KAN 2375F

092941



Accuracy of survey is within limits set by the Oil & Gas Division, W.Va. Department of Mines.

**Bench Mark Data:**

U.S.G.S. Standard Disk stamped "C-97,1956", set in north wall of Junior High School building at Sissonville. Elevation 630.0.

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and shows all the information required by paragraph 6 of the rules and regulations of drill and gas section of the mining laws of West Virginia."

*John H. Burtnett*

- New Location
- Drill Deeper
- Abandonment

650

Company	ASHLAND OIL & REFINING CO.
Address	ASHLAND, KENTUCKY
Farm	GOLDIE GLASS ET AL UNIT
Tract	Acres 100.86 Lease No.
Well (Farm) No.	1 Serial No. 5000
Elevation (Spirit Level)	837.1
Quadrangle	KENNA 3C
County	KANAWHA District POCA
Engineer	John H. Burtnett
Engineer's Registration No.	1442
File No.	64-D Drawing No.
Date	MARCH 21, 1969 Scale 1"=660'

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

WELL LOCATION MAP  
FILE NO. KAN-2375

- + 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 WELLS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Kenna

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Permit No. KAN-2375

Company Ashland Oil & Refining Co.  
Address P. O. Box 391, Ashland, Ky. 41101  
Farm Goldie Glass Unit Acres 293.43  
Location (waters) Rocky Br. of Grapevine  
Well No. 1 Elev. 846 KB  
District Poca County Kanawha  
The surface of tract is owned in fee by Dorsel Shaffer  
612 Cora St. Address Charleston, W. Va.  
Mineral rights are owned by Goldie Glass, et al  
2300 Kanawha Blvd. E. Address Charleston, W. Va.  
Drilling commenced April 3, 1969  
Drilling completed April 14, 1969  
Date Shot From To  
With

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Cemented at 81'
13 3/8	62	62	Size of
10			Cemented at 1828'
<del>9 5/8</del>	1810	1810	Depth set
<del>7</del>	5658	5658	Cemented at 5672'
5 3/16			Perf. top
4 1/2			Perf. bottom
3			Perf. top
2 3/8"		5702	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

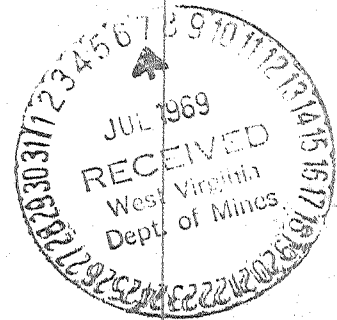
Open Flow /10ths Water in. Inch  
/10ths Merc. in. Inch  
Volume Cu. Ft.  
Rock Pressure lbs. hrs.  
Oil bbls., 1st 24 hrs.

Attach copy of cementing record. 13 3/8 with 65 sx. 4-3-69  
CASING CEMENTED. 9 5/8 SIZE. 500 No. Ft. 4-8-69 Date  
Amount of cement used (bags) 7" with 100 sx. 4-12-69  
Name of Service Co. Dowell, Halliburton, Dowell  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL ACIDIZED (DETAILS)  
WELL FRACTURED (DETAILS) 4-18-69 w/500 gal. mud acid, 992 Bbls. treated water, 24,000# sand.  
Rate 22.6 BPM at 4296 psig. Pumped 55 gal. of Bariod B-11 Biocide ahead.  
RESULT AFTER TREATMENT (Initial open Flow or bbls.) CAOF by Isochronal Test 30.9 MMCF/D  
ROCK PRESSURE AFTER TREATMENT HOURS Well Head 1688 psig Dead Weight  
Fresh Water 70 Feet Salt Water 1055 Feet  
Producing Sand Newburg Depth 5704-5712

30,900 Mcf  
30,900 Mcf

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	70			
Sand			70	98			
Sand & Shale			98	625			
Shale			625	840			
Sand & Shale			840	920			
Sand			920	962			
Sand & Shale			962	1050			
Salt Sand			1050	1505			
Big Lime			1505	1696			
Injun			1696	1790			
Shale			1790	1835			
Sand & Shale			1835	1857			
Shale			1857	4810			
Corniferous Lime			4810	4916			
Oriskany Sand			4916	4958			
Lime & Dolomite			4958	5704			
Newburg Sand			5704	5712			
Lime & Dolomite			5712	5723			
TD				5723			



State of West Virginia  
Department of Environmental Protection  
Office of Oil & Gas  
Well Operators Report of Well Work

*RB*

Operators well name: Viking Energy  
Farm Name: LAORIERE, ALLEN Operator # GOLDIE GLASS #1

Location: Elevation 846 KB Quadrangle: ROMANCE  
District: POCA County: Kanawha  
Latitude: \_\_\_\_\_ Feet 32' of 30' Deg. 38 Min. \_\_\_\_\_ Sec.  
Longitude: \_\_\_\_\_ Feet 35' of 00' Deg. 81 Min. \_\_\_\_\_ Sec.

RECEIVED  
Office of Oil & Gas  
Office of Chief  
**FEB 09 2004**  
WV Department of  
Environmental Protection

Company: Viking Energy  
Address: PO Box 13366  
Sissonville, WV 25360

Agent:	Mickey Pinkerton	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill up Cu Ft		
Inspector	<u>CARLOS HIVELEY</u>						
Date Permit Issued	<u>7-25-01</u>	<u>13 3/4</u>		<u>62</u> FT	Sks		CU FT
Date Well Work Commenced	<u>6-18-03</u>	<u>9 5/8</u>		<u>1810</u> FT	Sks		CU FT
Date Well Work Completed	<u>7-9-03</u>	<u>7"</u>		<u>5658</u> FT	Sks		CU FT
Verbal Plugging:		<u>2 7/8</u>		<u>5702</u> FT	Sks		CU FT
Date Permission Granted On				FT	Sks		CU FT
Rotary X Cable	<u>RIG</u>						
Total Depth (feet):							
Fresh Water Depth:							
Salt Water Depth							
Is coal being mined in area ?							
Coal Depths							

OPEN FLOW DATA:

GAS: Producing Formation: Oriskany Pay zone depth (ft) 4917 to 4958  
Initial Open Flow: 80 MCF/d OIL: Initial Open Flow: \_\_\_\_\_ Bbl/d  
Final Open Flow: 70 MCF/d Final Open Flow: \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock pressure: 100 PSI (surface pressure) after 24 Hours

GAS: Second producing formation: \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_ to \_\_\_\_\_  
Initial Open Flow: \_\_\_\_\_ MCF/d OIL: Initial Open Flow: \_\_\_\_\_ Bbl/d  
Final Open Flow: \_\_\_\_\_ MCF/d Final Open Flow: \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure: \_\_\_\_\_ PSI (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THESE FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGIC RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Michael Pinkerton  
By: Viking Energy  
Date: 2-4-04

MAR 19 2004

DEEP WELL

KAN 2375



Viking Energy  
PO Box 13366  
Sissonville, WV 25360

RE: REWORK OF GOLDIE GLASS # 1

API # 47-039-02375

Moved in rig and tripped tubing and prep well

6/19/2003

Moved in Key Energy and set a 7" bridge plug at 5040 ft. (hole previously perfed with 18 holes from 4917 to 4934 and 7 holes from 4948 to 4958)  
Moved in BJ Services and dropped 500 gals 15% HCl acid treated for iron, clay and with a non-emulsifier. Contact of acid and iron sulfide on tubulars created H<sub>2</sub>S. Monitor set up. H<sub>2</sub>S dissipated and work continued.  
Run in hole with a Baker 2 7/8 X 7" set down packer and set packer at 4656

6/20/3003

Move in and rig up BJ Services. Fraced through 2 7/8 tubing at an average rate of 19.4 BPM. 40,320 Lbs of 20/40 sand was placed at a max concentration of 5 Lbs. Per gal.  
Max treating pressure 3240  
Min. treating Pressure 2705  
Avg. treating pressure 2860  
ISDP 410  
5 Min shut in 105  
10 Min 0  
Fluid used 386 bbls crosslinked  
Release packer and trip out of hole

Turn over to Viking Energy for flow back and clean up.

MAR 19 2004

KAN 2375