

FILE NO. 6-21  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 / 200  
 PROVEN SOURCE OF ELEVATION WESTFALL WELL NO. 1  
ELEV. 784'

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) Gregory A. Smith  
 R.P.E. \_\_\_\_\_ L.L.S. 677

PLACE SEAL HERE

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



DATE JULY 21, 1982  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47-107-1223  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 872' WATER SHED LITTLE STILLWELL CREEK  
 DISTRICT CLAY COUNTY WOOD  
 QUADRANGLE KANAWHA 7.5' ELIZ 15' NW  
 SURFACE OWNER GILBERT L. HITE et. al. ACREAGE 32.5  
 OIL & GAS ROYALTY OWNER GILBERT L. HITE et. al. LEASE ACREAGE 137  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION ELK ESTIMATED DEPTH 5025'  
 WELL OPERATOR AAPCO OIL & GAS CO. DESIGNATED AGENT RICHARD H. BRUMBAUGH  
 ADDRESS P.O. BOX 14348 ADDRESS 212 COURT STREET  
ORLANDO FL. 32807 SPENCER, W. V. 25276

SEP 13 1982

H. T. HALL  
 DEEP WELL 6-6 unnamed (0)

RECEIVED  
Division of Energy

JAN 22 91

Permitting  
Oil and Gas Section



WR-35

State of West Virginia

DEPARTMENT OF ENERGY  
Oil and Gas Division

Date January 18, 1991  
Operator's  
Well No. one (1)  
Farm Gilbert Hite et al  
API No. 47 - 107 - 1223

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas XX / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /)

LOCATION: Elevation: 872' Watershed Little Stillwell Creek  
District: Clay County Wood Quadrangle Kanawha 7.5'

COMPANY Roger C. Dupke Oil

ADDRESS P.O. Box 206, Mineral Wells, WV 26150

DESIGNATED AGENT Vearl Summers

ADDRESS Same

SURFACE OWNER Freddie Lynch

ADDRESS Rt.1, Davisville, WV 26142

MINERAL RIGHTS OWNER Same

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK \_\_\_\_\_

ADDRESS \_\_\_\_\_

PERMIT ISSUED 9/10/82

DRILLING COMMENCED 2/23/83

DRILLING COMPLETED 2/27/83

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

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	202'	202'	Surface
9 5/8			
8 5/8	1900'	1900'	Surface
7			
5 1/2			
4 1/2	4919'	4919'	
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 4900 feet

Depth of completed well 4924 feet Rotary XX / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 125' feet; Salt \_\_\_\_\_ feet

Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Marcellus Shale Pay zone depth 4865-4871 feet

Gas: Initial open flow 5- Mcf/d Oil: Initial open flow -0- Bbl/d

Final open flow \_\_\_\_\_ Mcf/d Final open flow -0- Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure 980' psig (surface measurement) after 34 hours shut in  
(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

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

Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

JAN 28 1991

(Continue on reverse side)

equal prod.  
3578 mcf  
923 mcf

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

3/9/83 Perforations;

Marcellus Shale 4866-4870 16 holes

WELL LOG

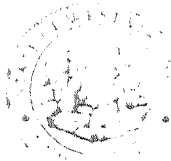
FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Coffee Shale			2254	2280	
	Siltstone & Shale		2280	2591	
Gordon Stray			2591	2614	
	Siltstone & Shale		2614	3848	
Ohio Shale			3848	4148	
	Siltstone & Shale	J/A	4148	4516	
Olentangy Shale			4516	4865	
Marcellus Shale			4865	4871	
Onondaga Lime			4871	4924	

(Attach separate sheets as necessary)

Roger C. Dupke Oil  
 Well Operator  
 By: Walter D. Johnson  
 Date: 1/18/91

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 ... encountered in the drilling of a well."

4993



Well No. 1

For: Gilbert L. Hite etal.

API # 107 - 1223

Date: August 18, 1982

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas  /

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

LOCATION: Elevation: 872 G.L. Watershed: Little Stillweek Creek  
District: Clay County: Wood Quadrangle: Kanawha 7.5 min.

WELL OPERATOR Appco Oil & Gas Corporation  
Address 100 South Orange Ave. Suite 909  
Orlando, Florida 32801

DESIGNATED AGENT Richard H. Brumbaugh  
Address 212 Court Street P.O. Box 139  
Spencer, West Virginia 25276

OIL AND GAS ROYALTY OWNER Gilbert L. Hite etal.  
Address P.O. Box 1722  
Parkersburg, West Virginia 26101  
Acreage 137

COAL OPERATOR N/A  
Address \_\_\_\_\_

SURFACE OWNER Gilbert L. Hite  
Address P.O. Box 1722  
Parkersburg, West Virginia 26101  
Acreage \_\_\_\_\_

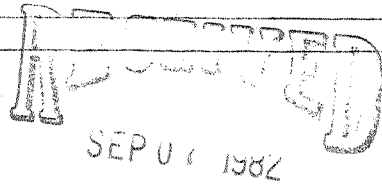
COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME N/A  
Address \_\_\_\_\_

NAME N/A  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
NAME N/A  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME N/A  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Samuel Hersman  
Address P.O. Box 66  
Smithville, West Virginia 26178  
Telephone 304-477-3597



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 Dec. 18, 1981, by the undersigned well operator from Gilbert L. Hite etal.

\_\_\_\_\_, \_\_\_\_\_, or other contract has been recorded.

Recorded Jan. 26, 1982, in the office of the Clerk of County Commission of Wood County, West Virginia, in # 766 Book at page 392. A permit is hereby granted 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 change 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 receipt of this Application by the Dept. of Mines. 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 Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

Appco Oil & Gas Corporation  
Well Operator

WEST VIRGINIA OIL AND GAS  
CENTRALIZATION COMMISSION  
1114 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

By: Benjamin Smeltzer  
US: Operations Manager/Geologist

BLANKET BOND

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Not Determined

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION Devonian Shale (Olentangy Member)

Estimated depth of completed well 5,000 feet. Rotary  / Cable tools  /

Approximate water strata depths: Fresh, 125 feet; salt, 375 feet.

Approximate coal seam depths: Unknown

Is coal being mined in this area: Yes  / No  /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling		
Conductor								Kinds
Fresh water	<u>10-3/4</u>			<input checked="" type="checkbox"/>		<u>200</u>	<u>200</u>	To Surface
Coal								Sizes
Intermed.	<u>8-5/8</u>	<u>ERW</u>	<u>23 lb.</u>	<input checked="" type="checkbox"/>		<u>1900</u>	<u>1900</u>	To surface
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.5 lb.</u>	<input checked="" type="checkbox"/>		<u>5000</u>	<u>5000</u>	To 2000'
Tubing								Depths set
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 §22-4-3a 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,  
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY  
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE  
IF OPERATIONS HAVE NOT COMMENCED BY 5-10-83  
BY [Signature]

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 regularions.

Date: \_\_\_\_\_, 19\_\_\_\_.

By: \_\_\_\_\_

Its: \_\_\_\_\_