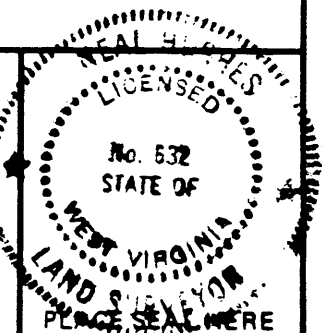


FILE NO. 82-35  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION BM 673

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) Neal Hughes  
 R.P.E. \_\_\_\_\_ L.L.S. 632



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



DATE JUNE 28, 19 82  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47-107-1239  
 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 895' WATER SHED HOGLAND RUN  
 DISTRICT UNION COUNTY WOOD  
 QUADRANGLE VALLEY MILLS Marietta 15' SW  
 SURFACE OWNER KATHERINE MILLER ACREAGE 128  
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 128  
 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 Hamilton Shale ESTIMATED DEPTH 5500'  
 WELL OPERATOR SANTA FE DRILLING DESIGNATED AGENT ROBERT CORNELL  
 ADDRESS PO. BOX 1468 ADDRESS PO. BOX 1468  
PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101

DEC 13 1982



1) Date: Nov. 30, 19 82

2) Operator's Well No. 41

3) API Well No. 107 0239  
State West Virginia County Putnam Permit (S)

DRILLING CONTRACTOR:

Santa Fe Drilling Corp.

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

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 365 Ft. Watershed: Putnam  
District: Union County: Putnam Quadrangle: Valley Mills

WELL OPERATOR: Santa Fe Drilling Corp. 11) DESIGNATED AGENT: Robert Cornell  
P.O. Box 1468 Address: Putnam, WV 26101

ROYALTY OWNER: Katharine Miller 12) COAL OPERATOR: N/A  
Box 219 Address: Putnam, WV 26101  
Acreage: 126+

SURFACE OWNER: "Same as above" 13) COAL OWNERS WITH DECLARATION ON RECORD:  
Name: N/A  
Address: N/A  
Acreage: 126+

FIELD SALE (IF MADE TO):

10) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name: Samuel H. Harman  
Address: Putnam, WV 26101

PROPOSED WORK: Drill  / Drill deeper   
Plus off old formation   
Other physical change in well (specify):

GEOLOGICAL TARGET FORMATION: Hamilton Shale  
Approximate water strata depths: Fresh, 250 feet, salt, 250 feet.  
Approximate coal seam depths: N/A Is coal being mined in the area? Yes

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE REQUIRED		OR SACS
	Size	Gauge	Weight per ft.	New	Used	For drilling	
5" Drill Pipe	4-1/2	EWL	10.51	X		500 Ft.	6000
4" Drill Pipe	4-1/2	EWL	10.51	X		500 Ft.	550

21) EXTRACTION RIGHTS  
Check and provide one of the following:  
 Included in the lease or lease or other containing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS  
Does the lease, contract or market the oil or gas based upon a lease or other containing contract or contracts providing for an royalty or similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas extracted?  
Included in production?  Yes  No

23) Required Copies (See reverse side.)  
24) 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.

By Commission: October 24, 1982

OFFICE USE ONLY  
DRILLER'S SIGNATURE

August 6, 1983

Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>8327</u>
---------------------------	--------------------------	----------------------------	------------------

Administrative Office of the Department of Mines