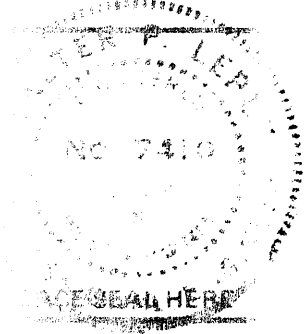


PLAT MINS.  
 (14)  
 ROAD  
 (15) 80°25' LONG. SIDE  
 39 22 10. E. MATINS  
 502800  
 N45°20'W 198'  
 - STONE AT Q-  
 OF ROAD  
 N53°30'W 142'  
 N15°S1'E 399'  
 175E 109'  
 100E 173'

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION ☐ OF ROADS  
± 1/3 MILE SOUTH (1019)

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND CONTAINS ALL THE INFORMATION REQUIRED BY REGULATIONS ISSUED AND PREScribed BY THE DEPARTMENT OF MINES.  
 (SIGNED) [Signature]  
 R.P.E. [Signature]



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



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 1201 WATER SHED LITTLE BROWN  
 DISTRICT SARDIS COUNTY HERKULES  
 QUADRANGLE WALLACE 7 1/2  
 SURFACE OWNER CHRISTINE S. ALLEVA ETAL  
 OIL & GAS ROYALTY OWNER MARIE HARBERT  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REPAIR   
 STIMULATE  PLUG OFF OLD FORMATION  FORMATION  OTHER PHYSICAL CHANGE IN WELL   
 PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION Beaver ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR DORAN + ASSOCIATES INC DESIGNATED AGENT \_\_\_\_\_  
 ADDRESS WASHINGTON ROAD ADDRESS \_\_\_\_\_  
P.O.H., PA 15228

WC



RECEIVED  
FEB 14 1980

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD <sup>24</sup>

Quadrangle Wallace 7 1/2  
Permit No. 47-033-2193

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas X  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company <u>Doran &amp; Associates, Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well'	Cement fill up Cu. ft. (Sks.)
Address <u>728 Washington Rd., Pgh. PA 15228</u>				
Farm <u>Marie S. Harbert</u> Acres <u>59.8</u>	Size			
Location (waters) <u>Little Rock Camp Run</u>	20-16			
Well No. <u>K-L-274</u> Elev. <u>1201'</u>	Cond.			
District <u>Sardis</u> County <u>Harrison</u>	<del>XXXXX</del> <u>11 3/4</u>	<u>31'</u>	<u>31'</u>	
The surface of tract is owned in fee by <u>Christine S. Alleva, et al, c/o Frank Olive</u>	<u>9 5/8</u>			
Address <u>5039 N. Hampton Dr. Fort Myers, FL 33907</u>	<u>8 5/8</u>	<u>1229'</u>	<u>1229'</u>	<u>240 sks.</u>
Mineral rights are owned by <u>Marie Harbert, 33907</u>	<u>7</u>			
Agent Address <u>Rt. 1, Lumberport, WV 26386</u>	<u>5 1/2</u>			
Drilling Commenced <u>10-9-79</u>	<u>4 1/2</u>			
Drilling Completed <u>10-18-79</u>	<u>3</u>	<u>5151'</u>	<u>5151'</u>	<u>188 sks.</u>
Initial open flow _____ cu. ft. _____ bbls.	<u>2</u>			
Final production <u>525 M. cu. ft.</u> per day <u>(1)</u> bbls.	Liners Used			
Well open <u>4</u> hrs. before test <u>1600</u> RP.				

Attach copy of cementing record. Stimulation Record:

Interval Perforated:	From:	To:	Amt Fluid:	Amt sand:
	5023	3014	528 BBLS	40,000#
	3896	3922	619 BBLS	50,000#

Coal was encountered at 130, 270, 390, 645, 685 Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand Speechley Stray, Speechley, Balltown Depth 3404, 3550, 3910

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	31		
Sand			31	130		
Coal			130	136		
Sandy Shale			136	155		F.W. @ 145'
Sand			155	270		F.W. @ 255'
Coal			270	272		
Sand			272	370		
Sandy Shale			370	390		
Coal			390	393		
Sandy Shale			393	405		
Sand			405	645		
Coal			645	648		
Sand			648	685		
Coal			685	691		
Sandy Shale			691	820		
Sandy Shale-Red Rock			820	1075		
Sand			1075	1135		
Sandy Shale			1135	1155		
Sand			1155	1249		
Sandy Shale			1249	1290		
Sand			1290	1390		
Sandy Shale			1390	1550		Gas @ 1450'
Sand			1550	1590		S. W. @ 1560'

FEB 13 1980

Formation	Color	Hard or Soft	Top Feet <sup>20</sup>	Bottom Feet	Oil, Gas or Water	Remarks
Sandy Shale			1590	1720		
Sand			1720	1785		
Sandy Shale			1785	1795		
Sand			1795	2000		
Little Lime			2000	2010		
Big Lime			2010	2100		
Shale			2100	2265		
Sand			2265	2295		
Sandy Shale			2295	2365		
Sand			2365	2500		
Sandy Shale			2500	2680		
Sand			2680	2795		
Sandy Shale			2795	5105		
Sand			5105	5120		Show of gas @ 5040'
Sandy Shale			5120	5274		
Driller's T.D.				5274		
Speechley Stray			3404	3446		
Speechley			3550	3658		
Benson			5040	5054		
Logger's T.D.				5257		

*BENSON*

Show of gas @ 5040'

Date Jan 4 1980  
 APPROVED Donald P. Laughlin Owner  
 By Vice President - Operations



PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack  
Address Buckhannon, W. Va.

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 4900' feet Rotary  / Cable tools  /

Approximate water strata depths: Fresh, 40' feet; salt, 850' feet.

Approximate coal seam depths: 300' 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	11 3/4"			X		30'			Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8"		23	X		1200'		275	
Production	4 1/2"		9.5	X		4900'		350'	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 fracturing or stimulation is to be part of the work for which a permit is sought and this permit must be posted at the well site 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 \_\_\_\_\_ . This permit shall expire if operations have not commenced by \_\_\_\_\_ .

[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.