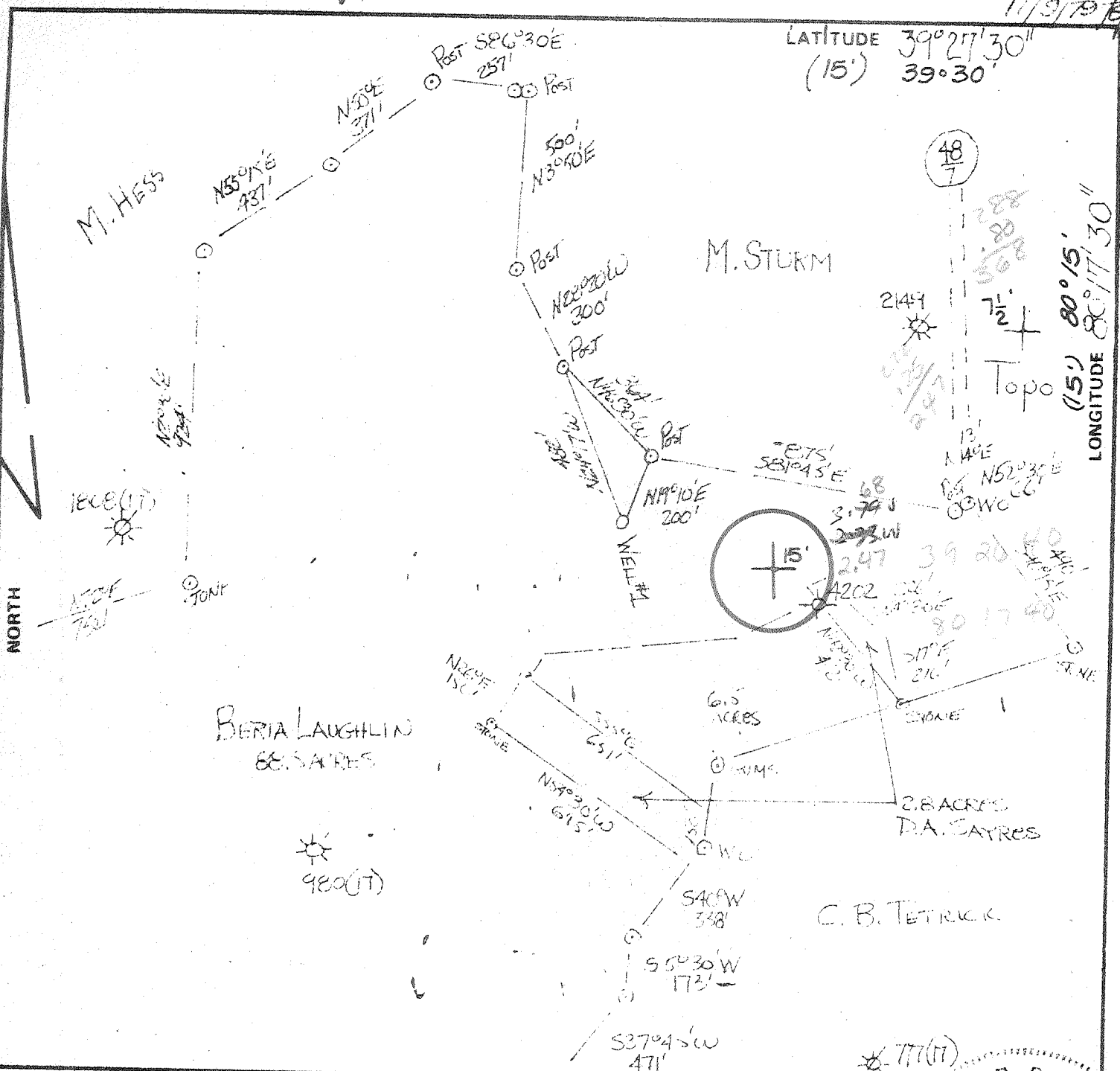


11/9/79



LATITUDE 39°27'30" (15') 39°30'

LONGITUDE 80°15' 80°17'30"

FILE NO. \_\_\_\_\_  
 DRAWING NO. 10-74C  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION CEPRAI  
± 3/4 MILE NORTH  
(1226)

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) Glenn F. Heppert  
 R.P.E. 7410 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

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



DATE \_\_\_\_\_ 19\_\_\_\_  
 OPERATOR'S WELL NO. K-L-125  
 API WELL NO. \_\_\_\_\_  
47 - 049 - 0653  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1319 WATER SHED BINGAMON CREEK  
 DISTRICT LINCOLN COUNTY MARION  
 QUADRANGLE SHINNSTON 1/2, CLARKSBURG 15' NE  
 SURFACE OWNER BURTON EVERETT ACREAGE 80  
 OIL & GAS ROYALTY OWNER BERTA LAUGHLIN LEASE ACREAGE 88.5  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X 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 Benson ESTIMATED DEPTH 4975  
 WELL OPERATOR DeWanna Associates Inc DESIGNATED AGENT ALVIN J. JORDAN NOV 28 1979  
 ADDRESS DeWanna Associates, Inc ADDRESS RT 4 Box 444  
5-5 P.O. Box 15228, BROWN-LUMBERPORT Beckman, W. Va.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Shinnston 7 1/2

Permit No. 47-049-0653

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 Road, Pgh, PA 15228</u>	Size			
Farm <u>B. Laughlin</u> Acres <u>88.5</u>	20-16			
Location (waters) <u>Bingamon Creek</u>	Cond.			
Well No. <u>#1 K-L-125</u> Elev. <u>1319</u>	<del>12 1/2</del> <u>11 3/4</u>	15'	15'	
District <u>Lincoln</u> County <u>Marion</u>	9 5/8			
The surface of tract is owned in fee by <u>Burton Everett, et al</u> <u>407 E. Sheyenne Rd.</u>	8 5/8	1356	1356	268 Sks.
Address <u>Colorado Springs, Co. 80906</u>	7			
Mineral rights are owned by <u>Burton Pearl Laughlin, et al</u> Address <u>600 Bridge St. Monongah, WV 26554</u>	5 1/2			
Drilling Commenced <u>1/12/80</u>	4 1/2	4328	4328	535 Sks.
Drilling Completed <u>1/18/80</u>	3			
Initial open flow <u>59 m</u> cu. ft. <u>--</u> bbls.	2			
Final production <u>580 m</u> cu. ft. per day <u>--</u> bbls.	Liners Used			
Well open <u>72</u> hrs. before test <u>1175</u> #RP.				

Well treatment details:

Attach copy of cementing record.

STIMULATION RECORD:

DATE:	INTERVAL PERFORATED:	FROM	TO	AMT. FLUID	AMT. SAND
2-19-80		4188	4241	453 bbls.	42,000#
"		3781	3878	479 bbls.	48,000#
"		3289	3380	465 bbls.	50,000#

Coal was encountered at 25', 325', 392', 520' Feet 630', 810', 1290' Inches  
Fresh water 25', 105' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Bradford, Balltown, Speechley Depth 4152', 3774', 3264'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	15		
Sand			15	25		
Coal			25	28		F. W. @ 25'
Sand			28	105		
Sandy Shale			105	125		F. W. @ 105'
Sand			125	210		
Sandy Shale			210	240		
Sand			240	325		
Coal			325	328		
Sand			328	392		
Coal			392	395		
Sandy Shale			395	420		
Sand			420	485		
Shale			485	520		
Coal			520	523		
Shale			523	580		
Sand			580	630		
Coal			630	631		
Sand			631	740		
Sandy Shale			740	810		
Coal			810	813		
Sandy Shale			813	1060		
Sand			1060	1105		

SEP 9 1981

(over)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sandy Shale			1105	1145		
Sand			1145	1185		
Sandy Shale			1185	1220		
Sand			1220	1260		
Sandy Shale			1260	1290		
Coal			1290	1294		
Sandy Shale			1294	1315		
Sand			1315	1440		
Sandy Shale			1440	1480		
Sand			1480	1580		
Sandy Shale - Red Rock			1580	1800		
Light Lime			1800	1825		
Sandy Shale			1825	1855		
Big Lime			1855	1925		
Sand			1925	2010		
Sandy Shale - Red Rock			2010	2470		
Sand			2470	2590		
Sandy Shale			2590	2720		
Sand			2720	2765		
Sandy Shale			2765	2890	Gas @ 2824', 2890'	
Sand			2890	2920		
Sandy Shale -			2920	4960	Gas @ 3237'	
Sand <i>BENSON</i>			4960	4965		
Sandy Shale			4965	5093		
Driller's T. D.				5093		
Fifth Sand			2886	2920		
Speechley			3264	3290		
Speechley			3368	3382		
Balltown			3708	3720		
Balltown			3774	3808		
Balltown			3860	3920		
Bradford			4152	4256		
Logger's T.D.				5089		

Date Feb. 27 19 80  
 APPROVED Donald R. Laughlin Owner  
 By Donald R. Laughlin  
 Vice President - Operations  
 (Title)

FORM IV-2 (Obverse)

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

Date: October 17, 1979

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. API Well No. 47 - 049 0653 State County Perm

WELL TYPE: Oil / Gas X / (If "Gas", Production X / Underground storage / Deep / Shallow /) LOCATION: Elevation: 1319 Watershed: Binghamon Creek District: Lincoln County: Marion Quadrangle: Shinnston 7 1/2

WELL OPERATOR Doran & Associates, Inc. Address 728 Washington Road Pittsburgh, PA 15228

DESIGNATED AGENT Al Sorcan Address Rt. 4, Box 444 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Berta Pearl Laughlin Address 600 Bridge Street Monongah, WV 26554 Acreage 88.5

COAL OPERATOR Consolidation Coal Company Address Consol Plaza, 1800 Washington Rd. Pgh, PA 1524

SURFACE OWNER Burton Everett, et al Address 407 E. Sheyenne Road Colorado Springs, CO 80906 Acreage 80

COAL OWNER(S) WITH DECLARATION ON RECORD: Name Consolidation Coal Company Address Consol Plaza 1800 Washington Rd., Pgh., PA 15

FIELD SALE (IF MADE) TO: Name Address N/A

COAL LESSEE WITH DECLARATION ON RECORD: Name N/A Address

OIL & GAS INSPECTOR TO BE NOTIFIED Name William Blosser Address P.O. Box 1028 Colfax, WV 26566

OIL & GAS DIVISION DEPT. OF MINES

RECEIVED NOV 8 1979

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated February 14, 1979, from Berta Pearl Laughlin to R & P Associates

[If said deed, lease, or other contract has been recorded:] Recorded on February 27, 1979, in the office of the Clerk of the County Commission of Marion County, West Virginia, in Book 817 at page 353. A permit is requested as follows

PROPOSED WORK: Drill X / 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 PHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION WASHINGTON STREET EAST RESTON, WV 25311

BLANKET BOND

Well Operator By Alvin Sorcan

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, BENSON

Estimated depth of completed well, 4975' feet Rotary  / Cable tools  /

Approximate water strata depths: Fresh, 60' feet; salt, \_\_\_\_\_ feet.

Approximate coal seam depths: 155, 270' 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	Kinds
Conductor	11 3/4			X			30'	To Surface	
Fresh water									
Coal									
Intermediate	8 5/8			X			1325'	To Surface	
Production	4 1/2			X			4975	300 sks.	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 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 7-9-80

[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 \_\_\_\_\_

PL  
SE  
WV  
1000  
CHAR.