



# STATE OF WEST VIRGINIA DEPARTMENT OF MINES

## Oil and Gas Division

### WELL RECORDS

Quadrangle Westernport, WV-Md.

Permit No Min -22

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Aater Flood	Storage
Dispusal	

Permit No MID. 722			Dispusul	(Kind)
Company Columbia Gas Transmission Corp Address P.O.Box 1273, Chas., WV 25314 Farm Mastellar Coal Co. Acre. 4957	Casing and Tubing		1	Coment till up Cu. ft. (Sks.)
Location (waters) Hoffman Run  Well No. 20616 Elev 1919.04  District New Greek County Mineral  The surface of tract is owned in fee by  Mastellar Coal Co.  Address R.F.D. 4, Keyser WV 26726  Mineral rights are owned by Same as above  Address  Drilling Commenced May 3, 1979  Drilling Completed July 10, 1979  Initial open flow 21,920 M cu. ft. bbls.	Size 20-16 Cond. 20" 13-10" 13 3/8 9 5/8 8 5/8 7 5 1/2 4 1/2 3 2 3/8"		431' 2,544'	75 sacks 250 sacks 650 sacks 300 sacks
Final production 88, 148 cV. ft. per daybbls.  Well open3 hrs. before test 3567 RP.	Liners Used 5	THE PERSONNEL PROPERTY OF THE PERSONNEL PROP	105	
Well treatment details:  Treated with 4,000 gallons Mud Acid  pressure was 2500-2900 psig.		on Oct.	16, 197	79. Treating
Coal was encountered at None Feet.				
Fresh water and a second secon	rimonimizaria di santa	3101	en er	Feet

rommion	Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks	
Sandstone Siltstone Sandstone Siltstone Shale & C Sandstone Calcite, Sandstone Siltstone S.S.&Silt S.S., Sh. Siltstone Shale & L Limestone Shale Siltstone Shale Siltstone Shale & S	Red Gray & Sh. Gray hert & Sh. Gray Gypsum & Sh. & Sh. Dark Gray & Sh. Gray & Sh. Gray Stone, Dr. Gray & Siltstone & Sh. Gray .S. Brn. & Gray - Tully	1,590' 2,300' 2,320' 4,210'	550' 750' 870' 1,000 1,080' 1,360' 1,590' 2,320' 4,210' 4,270' 4,800' 5,600' 6,580' 6,860' 6,882' 7,232' 7,415' 8,317' 8,381'	Water 890'		S. S. Senson

<sup>(</sup>over)

			o que a companyo a comp	
Shale - Needmore 8,445 8,759 8,610 Gas @ 8,559 Gas @ 8,559	Formation Color Hard or Soft	Top Feet 5	Bottom Free	Oil. Gas or Water * Romarks
	Shale - Needmore	8,446'	8,559'	Gas @ 8,559'
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APPROVED\_



#### DEPARTMENT OF MINES



OIL & GAS CIVISION FEFT. OF MINES

#### Oil and Gas Division

#### OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES.	
Charleston, W. Va.	DATE January 2, 1979
Surface Owner Mastellar Coal Company	Company Columbia Gas Transmission Corpora
Address R.F.D. #4, Keyser, W. Va.	
Mineral Owner Same as above	Farm Mastellar Coal Company Acres 4957
Address	11 CC D
Coal Owner Same as above	•
Address	
Cual Operator Unoperated	· · · · · · · · · · · · · · · · · · ·
Address	
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 <u>drilling</u> . This permit shall expire if	TO BE NOTIFIED Robert Stewart
operations have not commenced by 9-20-79	ADDRESS P.O. Box 345, Jane Lew, W. Va.
Dokur y fred	PHONE 884-7782
Deputy Director - Oil & Gas Division	- Annual Control of the Control of t
GENTLEMEN:	
X NEW WELL DRILL DEEPER  OIL AND GAS WELL ORIGINALLY DRILL  The enclosed plat was prepared by a registered engine have been notified as of the above date.  The above named coal owners and/or operator are her to make by Section 3 of the Code, must be received by,  Copies of this notice and the enclosed plat were mailed.	REDRILL FRACTURE OR STIMULA' LLED BEFORE JUNE 5, 1969.  Therefore or licensed land surveyor and all coal owners and/or operate the street of licensed land surveyor and all coal owners and/or operate the street of licensed land surveyor and all coal owners and/or operate the street land of licensed land surveyor and all coal owners and/or operate to filed with the Department of Mines within ten (10) days. *  The day day before, or on the street land of licensed land operate land of licensed land surveyor and all coal owners and/or operate land.
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PLEASE SUBMIT COPIES OF ALL	Very truly yours,
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator Director, Exploration & Developm
V. VA. OIL & GAS CONSERVATION COMMISSION A	P. 0. Box 1273  Address Street
613 WASHINGTON STREET, EAST	of Operator Charleston
CHAPUSTON WEST VIRGINIA 25311	City or Town
	West Virginia 25325

"SECTION 3...., It no objections are filed or found by the Department of mines, within soid period of ten days from the receipt of notice and plut by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plut, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

# THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO. X DRILL DEPEN FRACTURE-STIMULATE DRILLING CONTRACTOR: (If Xnown) RESPONSIBLE AGENT NAME NAME NAME NAME NAME NAME NAME NAME	PROPOSED WORK ORDER	TO X DRILL	DEEPEN	TRACTURE STINITION
MAME BAVE RIFE  ADDRESS   ADDRESS P. 0. BOX 1/40, Cumberland, MD  TELEPHONE	DRILLING CONTRACTOR:	(If Known)		
ADDRESS P.O. 30X 1440, Cunterland, 60 TELEPHONE TELEPHON	NAME			•
TELEPHONE 729-8181  ROTARY X CABLE TOOLS  PROPOSED GROLOGICAL PORMATION: OF 18 keys  TYPE OF WELL:  GAS X COMB. STORAGE DISPOSAL  RECYCLING WATER PLOOD OTHER  RECYCLING WATER PLOOD OTHER  TENTATIVE CASING PROGRAM:  CARNE AND TUSING USED TOR  SIZE DRILLING WITH OR SANKS ACTION 1  121-157 6.0. IT OSWIT SACE  CARNE AND TUSING DRILLING WITH OR SANKS ACTION 1  121-157 6.0. IT OSWIT SACE  SIZE DRILLING WITH OR SANKS ACTION 1  121-157 6.0. IT OSWIT SACE  SIZE DRILLING WITH OR SANKS ACTION 1  121-157 1.0. SUFFACE  121-158 1.0. SUFFACE  121-159 1.0. SUF				1440. Cumberland MD
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TENTATIVE CASING PROGRAM:  CANING AND TUBING  CANING AND TUBING  CANING AND TUBING  DAILLING  TO, SUFFACE  TO, SUFFACE  TO, SUFFACE  Perf, Indian  Perf, I	TYPE OF WELL: OI	LGAS X	COMB STORAGE	
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APPROXIMATE FRESH WATER DEPTHS   FEET   SALT WATER   FEET   APPROXIMATE COAL DEPTHS   SOURCE				
MUST ALSO BE SUBMITTED.  FO FRACTURE - STIMULATE:  OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCI. BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.  OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929. FIVE COPIES OG - 1, SHOW ING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.  Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty four (24) hours in advance.  The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt hereof.  WAIVER: 1 the undersigned, Agent for	TO DRILL DEEPER OR REDRI	ILL:		
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The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt hereof.  VAIVER- 1 the undersigned, Agent for Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.  We the Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.	i. Aleganiyanan			
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	the stant operator has	complied with all rules and re	nave no objections to said well gulations in Articles 4, 5, and 7,	being drilled at this location, Chapter 22 of the West Virginia
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