



IV-35 (Rev 8-81)

PIL & GAS DIVISION State of Mest Mirginia

PT. OF MINES Department of Mines

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Well	No	1				
	Flor				Crab	tre
_	10. 4		99	~]	L794	

GCT 27 1983

WELL OPERATOR'S REPORT

OF

DIL & GAS DIVISION _{DRILL} ING, FRACTURING AND/OR STIMU PT. of MINES	LATING, C	R PHYSICAL	CHANGE	
WEIL TYPE: Oil XX / Gas / Liquid Injection (If "Gas," Production / Undergrou	/ Wast	e Disposal ge/ Deep	/ / Sha	llow/)
LOCATION: Elevation: 833.00 Watershed Gre	enbtier	Creek		
District: Butler County Wayn	le .	Quadrangle	Wayne	
COMPANY Mills Drilling Company, Inc.				Cement
ADDRESS P.O. Box 65 Wayne, WV 25570	Casing	Used in	Left	fill up
DESIGNATED AGENT Howard F. Osburn	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 65 Wayne, WV 25570	Size			
SURFACE OWNER Florence Eloise Crabtree	20-16 Cond.			
ADDRESS Rt. #1 Fort Gay, WV 25514	13-10"			
MINERAL RIGHTS OWNER Same As Above	9 5/8			
ADDRESS	8 5/8	265	265	Surface
OIL AND GAS INSPECTOR FOR THIS WORK	7	1714	1714	BH Packe
K.E. Butcher ADDRESS Barboursville, WV	5 1/2			
PERMIT ISSUED Oct. 8, 1982	4 1/2	2200	2200	40 Sks.
DRILLING COMMENCED Nov 11, 1982	3			
DRILLING COMPLETED Apr. 23, 1983	2	2200	2200	
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON				
GEOLOGICAL TARGET FORMATION Berea Sand		Dep	th 2148	<u>-2156</u> feet
Depth of completed well 2203 feet	Rotary	/ Cabl	e Tools_	X
Water strata depth: Fresh 130 feet;				
Coal seam depths:	. Is coal	. being min	ed in the	e area? <u>No</u>
OPEN FLOW DATA				
Producing formation Berea Sand	Pa	v zone dep	th 2148-	56 feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d	Fi	nal open f	low 2	Bbl/d
Time of open flow between init	ial and f	inal tests	24 h	ours
Static rock pressurepsig(surface				
(If applicable due to multiple completion		-	***************************************	
Second producing formation		ay zone der	oth	feet
Gas: Initial open flow Mcf/d	Oil: In	itial oper	flow	Bbl/d
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressure psig(surface				

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Perforated 2148-2152 and 2178-2183. Fractured 5-11-83 with 20,000# sand,1680 ccf Nitrogen & 120 bbl Water. Fractured second time with 10,000# sand and 180 bbl water on 5-27-83.

WELL LOG

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FORMATION O	OLOR HARD	OR SUFT	IOP FEET	DITON PERI	and salt water, coal, oil and gas
Surface Sand Slate Shale Slate Shell Slate/Shell Coffee Shale Berea Sand Slate/Shell	blue white gray gray blue gray gray e brown gray	soft soft soft soft soft soft soft soft	0 150 95 1360 95 1360 95 1360 95 1360 1360 1360 1360 1360 1360 1360 1360	15 50 95 1380 95 1380 1385 1385 1590 11250 13146 1535 1535 17436 1535 17436 17	Fresh water @ 130' EXXX Salt Water @ 950' Show oil @ 2150 Show gas @ 2184

(Attach separate sheets as necessary)

	Mills	Dril	ing Co	mpany,	Inc.	
We	ll Opera	ator				
			11	51	$\mathcal{O}_{\mathcal{O}}$	
By:	Stall	ald	V. 8.	elur	u Ker.	
Date:	Oct.	8, 198	33			
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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 wal, encountered in the drilling of a well."

DRILLING CONTRACTOR:

00010114114<u>0</u>004



1)	Date:			, 19	
2)	Operator's Well No				
3)	API Well No.	47	099	1794	

County

Permit

State

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

WELL TYPE: A Oil Gray Production Underground storage Deep Shallow LOCATION: Bersiton: Watersheet: Quadrangle: Guadrangle: County: Guadrangle: Guadrangle: County: Guadrangle:		2 35 35 35 3			Q	DIL AND GA	S WELL PERMIT	APPLICATIO	N			
District	n w	EII TVDE.	A 0:1		/ Caa	,						
Elevation: Watershed: County: Quadrangler:	<i>)</i> **	ELL IIFE:					/ Underground sto	rage	/ Deer	•	/ Shallow	
Address Address OIL & CAS ROYALTOWNER Address	L	OCATION:					Watershed:				<u> </u>	
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Production Tubing Liners Perforations: Top Bottom EXTRACTION RIGHTS Check and provide one of the following: Included is the lease or leases or other continuing 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.) ROYALTY PROVISIONS Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well 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 so extra produced or marketed? Yes \(\) No \(\) No the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60. Required Copies (See reverse side.) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the ab 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 Departmen Mines at Charleston, West Virginia. Notary: Signed: My Commission Expires Its: OFFICE USE ONLY DRILLING PERMIT 19 Date s permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent leg rements subject to the conditions contained herein and on the reverse hereof Notification must be given to the District Oil and Gas Inspector. To No. 10 Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notified to the order of the permit and on the reverse hereof Notification must be given to the District Oil and Gas Inspector.					-				2 2 3 News	Name (CAP)	Sizes	
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Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty o 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 so extra produced or marketed? Yes No No No. In addition, the event of the oil or gas in place which is not inherently related to the volume of oil or gas so extra produced or marketed? Yes No No. In addition, the volume of oil or gas so extra produced or marketed? Yes No. No. 10) Prior to the construction of roads, locations and plus for any permitted work. In addition, the well operator or his contractor shall notice.					-4-1-(c) (1) t	hrough (4).	See reverse side for	specifics.)				
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produced or marketed? Yes No no harmonic produced or marketed? Yes No Date ne answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60. Required Copies (See reverse side.) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the abnamed coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Departmen Mines at Charleston, West Virginia. Notary: Signed: Its: Date Spermit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legements subject to the conditions contained herein and on the reverse hereof Notification must be given to the District Oil and Gas Inspector. For to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notice.	sin	nilar provisio	on for con	npensation	to the own	or gas baseu u er of the oil c	or gas in place whic	communing con h is not inhere	ntly related to	the volur	ing for flat well ne of oil or gas	royalty o
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Bond:	Agent: Plat:	Casing Fee	Administrator, Office of Oil and Gas	

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
 - 5) Where well is located
 - 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
 - 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
 - Work that will be attempted—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.
 - 16) Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - 19) All coal seam depths
 - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1)A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4)A brief description of the royalty provisions of each such lease or contract.
 - 22) Code 22-4-11(d) and 22-4-11(e).
 - 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.
 - 24) 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.

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.

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