

## RECEIVED



IV-35 (Rev 8-81) FEB 1 - 1982

Final open flow\_

Static rock pressure

## AND GAS DIVISION THE DE HEST Hirginia

Bepartment of Mines Gil and Ges Zivision

Date_	01/28	/82	
Operative Well	No.	1-A	
Farm_		ETT POOLE	
APT N	47 _	017	3012

WELL OPERATOR'S REPORT					
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE					
WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage / Deep / Shallow /)					
LOCATION: Elevation: 1270' Watershed				1.4	
District: McCLELLAN County DODDE					
COMPANY PETROLEUM DEVELOPMENT CORPORATION	·-			1.0	
ADDRESS P.O. BOX 26 BRIDGEPORT WV 26330	Caşing	Used in	Left	Cement fill up	
DESIGNATED AGENT	Tubing	Drilling	in Well		
ADDRESS	Size				
SURFACE OWNER HAROLD MYERS % ROY TORQUER	20-16 Cond.				
ADDRESS BOX 206 SALEM WV 26426	13-10"	40	40	circulate	
MINERAL RIGHTS OWNER LEON F. WILSON	9 5/8				
ADDRESS 700 STEALEY AVE. CLARKSBURG WV 26301	8 5/8	1908'	1908	400 sks	
OIL AND GAS INSPECTOR FOR THIS WORK	7		The state of the s		
ADDRESS	5 1/2				
PERMIT ISSUED May 25, 1981	4 1/2	5412 <b>'</b>	5412	565 sks	
DRILLING COMMENCED 8/9/81	3	7714		JUJ SKS	
DRILLING COMPLETED 8/14/81	2				
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used				
GEOLOGICAL TARGET FORMATION CEDAR CREEK		Dent	<b>-h</b> 5502	Foot	
Depth of completed well 5502 feet I					
			- 1013		
Water strata depth: Fresh 1680' feet; Salt feet  Coal seam depths: 370', 639', 899', 1624' Is coal being mined in the area? no					
OPEN FLOW DATA					
Producing formation BENSON, RILEY Pay zone depth 5290, 5214 feet  Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d					
Final open flow 249 Mcf/d				College Colleg	
Time of open flow between init				***************************************	
		-			
Static rock pressure 1100 psig(surface measurement) after 24 hours shut in (If applicable due to multiple completion)					
Second producing formation		zone dent	-h	foot	
Gas: Initial open flow Mcf/d					

Time of open flow between initial and final tests

hours

hours shut in

Bbl/d

Mcf/d Oil: Final open flow

psig(surface measurement) after

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

WELL LOG

	<del>and the second of the second </del>		REMARKS	
FORMATION COLOR HARD OR SOFT	mon Frank	BOTTOM FEET	the state of the s	
TOTAL COLOR 1540 OK SOLI	TOP FEET	BULLOW FEEL	and salt water, coal, oil and gas	
			da sait water, coar, oir ain yas	
K.BG.L.	0	10'		
Sand, shale, red rock	10'	196'		
Sand, shale	196'	370'		
Coal	370'	375'		
Sand, shale, Red rock	375'	639'		
Coal	6391	643'		
Sand, shale, red rock	643'	899'		
Coal	899'	9081		
Sand, shale	908'	1624		
Coal	1624'	1627'		
Sand, shale	1627	2178'	1/2" stream H <sub>2</sub> O @ 1680'	
Big Lime	-2178'	2234	<b>4</b>	
Big Injun	2234	23681	Show of gas @ 2303' 10/10=1" H <sub>2</sub> 0	
Sand, shale	2368'	2502'	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
Weir	2502'	25581		
Sand, shale	2558'	2714"	Gas check @2675' 10/10 = 1" H <sub>2</sub> 0	
Gantz	<i>-</i> 2714'	2749	1 12	
Sand, shale	2749'	2820'		
50 Ft.	2820'	2871		
Sand, shale	2871'	2914		
Gordon Stray	2914'	2964		
Sand, shale	29641	29931		
Gordon .	2993'	3040'		
Sand, shale	3040	3132'	Gas check @ 3113' 12/10 = 1" H <sub>2</sub> 0	
4 Th	3132'	3189	1 20	
Sand, shale	3189'	3266'		
5 Th	3266'	3318'		
Sand, shale	3318'	3602		
Warren	3602'	3747		
Sand, shale	3747	3798		
Upper Speechley	3798'	3925'		
Sand, shale	3925	3944		
Speechley	3944	3979'		
Sand, shale	3979'	4118'	Gas check @ $4082$ ' $12/10 = 1$ " $H_2O$	
Balltown	4118'	4278'	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Sand, shale	4278'	4653'		
Bradford	4653	4796'		

CONTINUED ON NEXT PAGE

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION, BRIDGEPORT WV

Well Operator

By: John Millian Corporation | Date:

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 coult, encountered in the drilling of a well."

### DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Benson, Riley 325 bbl, 30,000 1b - 24/40, 750 gal., 15% acid 5290-5297 5214-5216

50,000 CF - Nitrogen

#### WELL LOG

FORMATION COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand, shale Riley Sand, shale Benson Sand, shale		4796' 5004' 5112' 5278' 5334'	5004' 5112' 5278' 5334' 5502' TD	Gas check @ TD 10/10 = 2" H <sub>2</sub> 0
		Annual control of the		
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- -		Tennantario del propositione del proposi		

(Attach separate sheets as necessary)

PETROLEUM	DEVELOPMENT	CORPORATION,		WV
Well Ope	Fator MI	Sol		
ByXIIN	rk //	Level 1	_	

January 28, 1982

Note: Regulation 2.02(i) provides as follows:

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FEB 2 2 1982

TO THE DEPARTMENT OF MINES,





## Oil and Gas Division

OIL & GAS DIVISION DEFT. OF MINES

## OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	DATE May 28, 1981
Surface Owner Harold Myers	Company Petroleum Development Corporation
% Roy Torquer Address Box 206, Salem, West Virginia 26426	Address P. O. Box 26 Bridgeport, WV 26330
Mineral OwnerLeon F. Wilson	
Address 700 Stealey Avenue, Clarksburg, WV 26	304 ocation (waters) East Run
Willis Tetrick, Jr. Maxwell Sutto Coal Owner Union National Bank	
Address Clarksburg, WV 26301	District McClellan County Doddrid
Coal Operator None	
Address	
HIS 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 I	NSPECTOR
or drilling . This permit shall expire if T	O BE NOTIFIED Stephen Casey
operations have not commenced by 2713-82	DDRESS Route 2 Box 232-D
Tool Ith	Jane Lew, WV 26378
Deputy Director - Oil & Gas Division	HONE 884-7470
GENTLEMEN:	
The undersigned well operator is entitled to drill upon the	above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or lease d	lated January 15 10.81 to Clarence W
Mutschelknaus made to Petroleum Development	Corp. and recorded on the 2pd day of February
Mutschelknaus made to Petroleum Development  1981, in Doddridge County, Book 119	Page 285
XX NEW WELL DRILL DEEPER	
OIL AND GAS WELL ORIGINALLY DRILLED	
	or licensed land surveyor and all coal owners and/or operators
	notified that any objection they wish to make, or are required led with the Department of Mines within ten (10) days. *
	registered mail, or delivered to the above named coal operators
PLEASE SUBMIT COPIES OF ALL	(Sign Name of Mark . Mell Operator)
WEST VIRGINIA GEOLOGICAL AND	PETROLEUM DEVELOPMENT CORPORATION P 0. Box 26
ECONOMIC SURVEY Address	
P. O. BOX 879 of MODCANTOLDS UPST UIDCINIA 24505 Well Opera	ator Projection
MORGANTOWN, WEST VIRGINIA 26505 Well Opera	Bridgeport Say or Town
	WV_26330
	State

\*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat 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 plat, 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 XX DRILL	DEEPEN	FRACTURE-STIMULATE
DRILLING CONTRACTOR:	(If Known)	RESPONSIBLE AGE	ENT:
NAME	The state of the s	The second secon	um Development Corporation
	THE CONTROL OF THE CO	The second property of the second party of the	ox 26 Bridgeport, WV 26330
	5000		842-6256
	MPLETED WELL: 5000	ROTARY XX	CABLE TOOLS
PROPOSED GEOLOGICAL F			
TYPE OF WELL: O			AGE DISPOSAL
	RECYCLI	NG WATER I	FLOOD OTHER
TENTATIVE CASING PROGR	RAM.		
and the second section of the s	Ф.А. № 4 № 5 ° .		
CASING AND TUBING	от при	LDITIN	CEMENT HILL UP
SIZI:			OR SACKS - CUBIC FT.
XXXXX 11 3/4	A O T		
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5 - 5 S	1650	<u>2650</u> *	
	AND THE RESERVE TO A STATE OF THE PARTY OF T	The second secon	Circulate to surface
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A STATE OF THE PROPERTY OF THE	The second secon		Perf. Top
The state of the s		CONTRACTOR OF THE PROPERTY OF	Perf. Bottom
The state of the s			The state of the s
The second section of the second second section of the second second section of the section of t	The second secon		Perf. Bottom
O DRILL DEEPER OR REDF SUBMIT FIVE (5) COPIE WELLS DRILLED PRIOF MUST ALSO BE SUBMIT O FRACTURE - STIMULATE OIL AND/OR GAS WELL BOND, PERMANENT PL OIL AND/OR GAS WELL ING ORIGINAL PERMIT N	RILL: S OF OG 1, SHOWING ORIGINATED  ORIGINALLY DRILLED BEFORAT AND ORIGINAL WELL RECOMPOSED ON AN NUMBER, AND PERFORMANCE:  Iled within ninety (90) days of contents.	NAL PERMIT NUMBER APPY OF THE PLAT AND SELECTION SELECTI	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD  O) COPIES OG - 1, PERFORMANCE  929, FIVE COPIES OG - 1, SHOW-  1. Inspector to be notified twenty-
The following waiver must bereof.  AIVER: I the undersigned, A this lease have exam	gent forined and place on our mine map	ator if the permit is to be Coal Company, Own sthis proposed well focuses	e issued within ten days of receipt er or Operator of the coal under ation.  well being drilled at this location, 17, Chapter 22 of the West Virginia
			For Coal Company
			Official Title