



IV-35 (Rev 8-81)

Oil & GAS DIVISION State of Mest Mirginia Well No. TWO (2) Oil and Gas Advision

API No. 47 - 095 - 0934

JUL 25 1983

WELL OPERATOR'S REPORT

#### DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL	TYPE:	Oil /	Gas X /	Liquid Injec on_X_/ Under	tion	/ Wast	e Disposa	1/	iller ()
				Watershed				/ Size	/)
				County				Pade	n City
		_							
		TROLEUM DEVE							
		.O. BOX 26 B			. Cas	ing	Used in	Left	Cement fill up
				VE	Tui	oing	Drilling	in Well	Qi. ft.
	ADDRESS SAME AS ABOVE Size								
	SURFACE CWARER EMERY & HELEN HEINTZMAN  ADDRESS RT. 2 SISTERSVILLE, WV 26175  20-16  Cood.								
					13:	11 3/4	40'	40'	circulate
		SAME AS A		S ABOVE	9 9				
	ADDRESS 5ATE AS ABOVE 8 5/8 1340' 1340' 240 :							340 sks	
	OIL AND GAS INSPECTOR FOR THIS WORK PHILLIP								
	ADDRESS RT 23 ALMA WV 26320 5 1/2								
PERMIT ISSUED 7/24/81					4 1	/2	5751.1'	5751.1'	360 sks
						3			
						2			·
CONT	INCOCS	BLE: PLUGG PROGRESSIO	ing of dry N from dri	HOLE ON	7 12	ers			
rewoi On	RKING.	VERBAL PE	RMISSION O	BUAINED		ed ed			
-						·			
GOL		TARGET FOR							feet
	Depth	of complete	ed well_	5798 <b>fee</b>	t Rotar	.y	_/ Cable	Tools_	
	Water	strata dep	th: Fresh	. 391 fee	t; Salt	1400	feet		
	Coal seam depths: N/A Is coal being mined in the area?								
OPEN	FLOW	DATA		•		•			
	Produ	cing format	ion			Pay	zone dept	:h	feet
	Gas:	Initial op	en flow_	Mcf/	đ 011:	Ini	tial open	flow	Bbl/d
		Final open	flow	Mcf/	a	Fin	al open fi		Bbl/d
		Time	of open fl	ow between i	nitial a	nd fi	nal tests	ho	urs
	Stati	c rock pres	sure	psig(sur	face mea	SWE	ent) after	hou	rs shut in
	(If a	pplicable d	ue to mult	iple complet	ion)				
	Secon	d producing	formation			Pay	zone dept	h	feet
	Gas:	Initial ob	an tion	Mcf/	d oil:	Ini	tial open	flow	Ebl/d
		Final open	flow	Mcf/	d Oil:	Fin	al open fl	.cw	Bbl/d
		Time	of open flo	ow between i	nitial a	nd fi	nal tests	ho	urs
	Stati	c rock pres	sure	psig(surf	ace meas	urene	nt) after	hou	rs shut in

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

#### WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOWOM FEET	Including	REMA indic water.	ation	of a	all f	resh
K.BG.L.	0	10'						
Sand, shale, red rock	10'	1736'	1/4" H <sub>2</sub> 0	@ 391'	. @ 1	400'	Salt	H_O
Big Lime	1736'	1832'		•	, -			-2,
Big Injun	1832'	2016'						
Squaw	2016'	2026'						
Sand, shale	2026'	2188'						
Weir	2188'	2291'		•				
Sand, shale	2291'	2354'						
Berea	2354'	2364'						
Sand, shale	2364'	2762'		•				
Gordon	2762'	2820'						
Sand, shale	2820'	3360'						
Speechley	3360'	3403'						
Sand, shale	3403'	3704'						
Balltown	3704'	3858'						
Sand, shale	3858'	4748'						
Riley	4748'	4790'						
Sand, shale	4790'	5006'						
Benson	5006	5016'					1.	
Sand, shale	5016'	5299'					4	
Cedar Creek	5299'	5334'						
Sand, shale	5334	5509'					•	
Rhinestreet	5509'	5796' TD						
	3303	3730 10	-					
		}						
			•					
		]						
		1						
		1					4	
		1						
		]						
		]						
		1						
		1						

(Attach separate sheets as necessary)

PETROLEUM	DEVELOPMENT	CORPORATION,	BRIDGEPORT,	WV	26301
		<del>,</del>			

Well Operator

By: M

Data: July 18, 1983

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 that, encountered in the drilling of a well."





## Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

### OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	DATE July 23, 1981
Surface Owner Emery and Helen Heintzman	
Address Rt 2 Sistersville, WV 26175	ovparij
Mineral Owner Same as above	
Address	
Coal Owner Same as above	Country (wawis)
Address	7
Coal Operator	D = J = O !
Address	Quadrangle
RMIT MUST BE POSTED AT THE WELL SITE	STATE OF THE STATE
W. Va. Code, the location is hereby approved  illing  This permit shall expire if	INSPECTOR TO BE NOTIFIED Phillip L. Tracy
ns have not commenced by 4-13-82	ADDRESS Rt. 23 Alma, WV 26320
I Thurson	
ty Director - Oil & Gos Division	PHONE 58-4573
GENTLEMEN:	
	upon the above named farm or tract of land for oil and gas, havin or lease dated <u>March 7</u> 1980 by <u>Clarence</u>
XX	Page 493  ER REDRILL FRACTURE OF STIMULA
NEW WELL	PRACTURE OR STIMULADRILLED BEFORE JUNE 5, 1969.  In the properties of the properties
NEW WELL	PRACTURE OR STIMULA DRILLED BEFORE JUNE 5, 1969.  In the hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days.  In the department of Mines at Charleston, West Virginia.  Very truly yours  (Sign Name)
NEW WELL	PER
NEW WELL	PER
NEW WELL	PRILLED BEFORE JUNE 5, 1969.  Ingineer or licensed land surveyor and all coal owners and/or operate hereby notified that any objection they wish to make, or are requibly, or filed with the Department of Mines within ten (10) days.  Inailed by registered mail, or delivered to the above named coal operates day before, or on the Department of Mines at Charleston, West Virginia.  Very truly yours  (Sign Name)  Well Operator  PETROLEUM DEVELOPMENT CORPORATION  P. O. Box 26  Address  Of Well Operator  Bridgeport
NEW WELL	PRACTURE OR STIMULA DRILLED BEFORE JUNE 5, 1969.  In the properties of licensed land surveyor and all coal owners and/or operate by, or filed that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days.  In the Department of Mines at Charleston, West Virginia.  Very truly yours  (Sign Name)  Well Operator  PETROLEUM DEVELOPMENT CORPORATION  P. O. Box 26  Street  Of Well Operator  Bridgeport  City or Town  West Virginia 26330

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

PROPOSED WORK ORDER TO	DRILL	DEEPENFRACTURE-STIMULATE RESPONSIBLE AGENT:				
DRILLING CONTRACTOR: (If	Known)					
NAME		ADDRESS <u>P. O. Box 26 Bridgeport, WV 26330</u> TELEPHONE 304/842-6256				
ADDRESS						
TELEPHONE						
ESTIMATED DEPTH OF COMPLETED PROPOSED GEOLOGICAL FORM	,					
		COMP	(n)			
	RECYCI	INC WATER D	GEDISPOSAL			
	RECTC!	MATER F.	LOOD OTHER			
TENTATIVE CASING PROGRAM	:					
CASING AND TUBING SIZE	USED FOR	LEFT IN	CEMENT FILL UP			
20 - 16	DRILLING	WELL	OR SACKS - CUBIC FT.			
13 10						
9 - 5/8	40	The second secon	Circulate			
8 - 5/8	1000	1000				
			Circulate			
5 1,			530 SKs, or as			
4 12		5300	400 SKS, or as			
			Pert. Top " regd by			
			Perf. Bottom rule 15.			
			Perf. Bottom			
O DRILL DEEPER OR REDRILL						
WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED	1 1949, A PERMANENT (	OPY OF THE PLAT AND	ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD			
O FRACTURE - STIMULATE:						
The state of the s	MID ORIGINAL WELL RE	CORD.	COPIES OG - 1, PERFORMANCE			
OIL AND/OR GAS WELL ORI ING ORIGINAL PERMIT NUM	IGINALLY DRILLED ON A BER,AND PERFORMANCE	ND/OR AFTER JUNE 5, 19 BOND.	29, FIVE COPIES OG - 1, SHOW-			
Required forms must be filed four (24) hours in advance.	within ninety (90) days of	completion for bond release.	. Inspector to be notified twenty-			
		Section in the second section in the section in the second section is section in the second section in the second section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section in the section is section in the section in	mananan (1. m. 1. m.			
The following waiver must be	completed by the coal on	erator if the normit in the t	issued within ten days of receipt			
	and place on our mine m	aps this proposed well loca	tion.			
We the providing operator has con Code.	Coal Company mplied with all rules and reg	have no objections to said vulations in Articles 4, 5, and	well being drilled at this location, 7, Chapter 22 of the West Virginia			
			or Coal Company			
			Orficial Title			