



IV-35 (Rev 8-81) DECEIVED

OIL & GAS DIVISION
DEPT. OF. MINES



State of Mesi Firginia Department of Mines Oil and Gas Division

Date	04/20/84	
Operator' Well No.	S ONE (1)	* .
	RTHA POST	
API No. 47	7 - 017	- 2588

(Continue on reverse side)

WELL OPERATOR'S REPORT

of

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection (If "Gas," Production X / Undergrow	n/ Wast	e Disposa e/ Dee	l/ p/ Sha	illow/)	
LOCATION: Elevation: 1030' Watershed	LAUREL RU	N		***************************************	
District: GREENBRIER County DODDE	RIDGE	Quadrangle	BIG ISS	AC	
COMPANY PETROLEUM DEVELOPMENT CORPORATION	nezazonalea (h. 1900)				
ADDRESS P.O. BOX 26 BRIDGEPORT, WV 26330	Caşing	Used in	Teft	Cenent	Í
DESIGNATED AGENT Micheal L. Edwards	Tubing			fill up Ou. ft.	
ADDRESS SAME AS ABOVE	Size			700	
SURFACE CWNER WILFORD ORRAHOOD	20-16 Cond.				
ADDRESS RT. 3 SALEM, WV 26426	111 374 xxxxxx	40°	101	cement to	surf
MINERAL RIGHTS OWNER ADA SUMMERVILLE ET AL	9 5/8	40	40*		JULI
ADDRESS STONEWALL JACKSON HOTEL, 3rd ST. CHARLES TON; WV	+	1144*	1144		_
OIL AND GAS INSPECTOR FOR THIS WORK Harold	7	1174	1177	cement to	suri
Mike Underwood ADDRESSRt.2Box114 Salem, WV 26426	5 1/2				
PERMIT ISSUED 2/01/80	4 1/2	5190'	5190'	500 sks	
DRILLING COMMENCED 02/12/81	3				
DRILING COMPLETED 02/19/81	2				
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used				1
GOLOGICAL TARGET FORMATION Cedar Creek		Dept	.b 5500	feet	
Depth of completed well 5275 feet 1	Rotary x	-			
Water strata depth: Fresh 45, 397 feet;			4000000		
Coal seam depths: none	***************************************		d in the	area? no	
OPEN FLOW DATA		<u>-</u> .			
Producing formation Cedar Creek	Dans	· zone dent	- h 5046-50	180	
Gas: Initial open flow Mcf/d					
Final open flow 240 Mcf/d	Fin	al open fl	CW	. Bb1/4	
Time of open flow between initi					
Static rock pressure 1550 psig(surface	neasuren	ent) after	48 hou	rs shut in	
(If applicable due to multiple completion-		-			
Second producing formation Benson	Pay	zone dept	h 4724-47	34 feet	
Gas: Initial open flow Mcf/d			The state of the s		Se.
Final open flow Mcf/d					
Time of open flow between initi					
Static rock pressurepsig(surface		nt) after			

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

STAGE FORMATION		PERFORATIONS	SAND LADEN FLUID	<u>SA</u> 80/100	<u>and</u> 20/40	ACTD	
			11010	00/100	20/40	ACID	
lst	Cedar Creek	20(5046-5080)	632 bbls	15,000#	45,000#	15 bb1s	
2nd	Benson	13(4724-4734)	626 bbls	15,000#	45,000#	9 bbls	

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
K.B G.L. Soil Sand, Shale Ssnd Sand, Shale Big Lime Big Injun Sand, Shale Gordon Stray/Gordon Sand, Shale 5th Sand, Shale 5th Sand, Shale Speechley Sand, Shale Balltown Sand, Shale Bradford Sand, Shale Bradford Sand, Shale Riley Sand, Shale Riley Sand, Shale Benson Sand, Shale Benson Sand, Shale Cedar Creek Sand, Shale	0' 10' 20' 500' 520' 1816' 1896' 2000' 2396' 2570' 2762' 2802' 3404' 3448' 3550' 3742' 4122' 4432' 4432' 4510' 4718' 4778' 5042' 5102'	10' 20' 500' 520' 1816' 1896' 2000' 2396' 2570' 2762' 2802' 3404' 3448' 3550' 3742' 4122' 4432' 4432' 4510' 4718' 4778' 5042' 5102' 5275' TD	I" stream of H ₂ O at 45'. 1½" stream of H ₂ O at 397'. Hole wet @ 1480' Gas check @ 3090' 25/10 = 1" Mercur Gas check @ 3621' 22/10 = 1" Mercur

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION, BRIDGEPORT, WV 26330

Well Operator

By: 4/20/94

Date: 4/20/94

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."







DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES, Charleston, W. Va.		7.000	
,	DAT	E JANUARY 24, 1980	M - december 1 had get bester to agree my summary or a separation of the december to the december of the decem
Surface Owner WILFORD ORRAHOOD		Pany PETROLEUM DEVEL	
Address RT. 3 SALEM, WV 26426	Addr	ess P.O. Box 26 Bri Bertha Post	A CONTRACTOR OF THE PROPERTY O
ADA SOMMERVILLE etal			Acres 150.15
514 50; 61411155416, n.	Local	tion (waters) Laurel Ru	in 1030'
Coal Owner Eastern Assoc. Coal Co		No. ONE	Elevation 1030.
Address Fairview, WV Federal #2		ict Greenbrier	County <u>Doddridge</u>
Coal Operator	Quad	rangle Big Isiac	reproved and an extension of the control of the con
Address	- том объектов на принципания на менения на принципания на принци		
THIS PERMIT MUST BE POSTED AT THE WELL	SITE		
All provisions being in accordance with Chapter of the W. Va. Code, the location is hereby apple for <u>drilling</u> . This permit shall exp	roved INSPECT	or otified Paul GArret	
operations have no commenced by 10/4/80	هن همه المناشقة على حمل مميلتك على المناسقة على المناسقة على المناسقة على المناسقة على المناسقة على المناسقة ع	Clarksburg WV 26	3301
Deputy Director - Oil & Gas Division	PHONE _	622-3871	
GENTLEMEN:			
. The undersigned well operator is entitled to d	rill upon the above r	named farm or tract of land fe	or oil and gas, having fee
title thereto, (or as the case may be) under grand Post etal made to PETROLEUM 19 78 in Doddridge County, Book	DEV. CORP.	and recorded on the 29th	by Bertha day of March
NEW WELL DRILL D			'URE OR STIMULATE
OIL AND GAS WELL ORIGINALI	I DRILLED BEFOR	te june 5, 1969.	
The enclosed plat was prepared by a registere have been notified as of the above date.	d engineer or license	d land surveyor and all coal	owners and/or operators
The above named coal owners and/or operator to make by Section 3 of the Code, must be recei	are hereby notified with	that any objection they wish the Department of Mines wit	to make, or are required hin ten (10) days. *
Copies of this notice and the enclosed plat were or coal owners at their above shown respective a same day with the mailing or delivery of this cop	address	day	before, or on the
	Very tru	ly your famesh	1 Ada
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:		me) PETROLEUM DEVEI Well Operator	OPMENT CORPORATION
WEST VIRGINIA GEOLOGICAL AND		P.O. Box 26 Br	idgeport, $W_{ m V}$
ECONOMIC SURVEY	Address of	Street	nangarinanan prima na meninganan serim kalan kenangan kalangan penggalangan penggalangan penggalangan penggalan
P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505	Well Operator	West Virginia	
AC-304 - 292-6331		City or Town	
		State	
*SECTION 3. If no objections are filed or for notice and plat by the department of mines, to said prop the filing of such plat, that no objections have been made and the well operator authorized to proceed.	osed location, the depart	ment shall forthwith issue to the w	ell operator a permit reciting
		47-017-2588	PERMIT NUMBER
"I have read and anders, and the reclamation requiren Chapter 22. Article 4. Section 12-b and will carry out the s	nents as set forth in pecified requirements."		TERMII NUMBER

Survey

Signed by

BLANKET BOND

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

TELEPHONE	ADDRESP.O. Box 26 Bridgeport, WV TELEPHONE 842-6256
•	ROTARYXX CABLE TOOLS eek COMB. STORAGE DISPOSAL
TENTATIVE CASING PROGRAM:	YCLING WATER FLOOD OTHER
CASING AND TUBING USED FOR SIZE DRILLING	LEFT IN CEMENT FILL UP WELL OR SACKS - CUBIC FT.
$\frac{20 - 16}{\frac{13 - 10}{9 - 5/8}}$ 13 3/8 40 ¹	40'
8 - 5,8	1150'
7 5 1/2 4 1/2	5250 ¹
	Perf. Top. Perf. Bottom Perf. Lop
OF PLAT. TO DRILL DEEPER OR REDRILL	PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON
WELLS DRILLED PRIOR TO 1929, A PERMANI MUST ALSO BE SUBMITTED.	NT COPY OF THE PLAT AND THE ORIGINAL WELL RECOR
TO FRACTURE STIMPLATE	
OIL AND OR GAS WELL ORIGINALLY DRILLED BOND. PERMANENT PLAT AND ORIGINAL WEL	BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCI L'RECORD.
OIL AND OR GAS WELL ORIGINALLY DRILLED ING ORIGINAL PERMIT NUMBER, AND PERFORM	ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOW ANCE BOND.
Required forms must be filed within ninety (90) da four (21) hours in advance.	s of completion for bond release. Inspector to be notified twenty
en en la companya de	n transporter en la compaña forma de la compaña de la transporte de la compaña de la compaña de la compaña de l
The following waiver must be completed by the eithereof.	at operator if the permit is to be issued within ten days of receip
WAIVER I the understaned. Assert for this bulk have examined and place on our n	Coal Company, Owner or Operator of the coal undoine maps this proposed well location.
	pany have no objections to said well being drilled at this location ad regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia
	For Coal Company

Ortical Title



DATE:	6/2/2007
API:	47-017-2588F

State of West Virginia Division of Environmental Protection Section of Oil and Gas

Re-Work

		V	reli Operator	s Kepo	it OI VVE	ell VVC	ик			
Farm Name: Bertha Post		Oper	Operator Well No.			Post #1				
LOCATIO	District: Latitude:	Gree 4,800	1,030 enbrier Feet S. of Feet W. of	39	Co _Deg	ounty 20	: : _Min.	Doddri 30	idge Sec	
					beg	<u> </u>	171111.		060	••
Company	: <u>Devonian</u>	Gas Produ	ction,Inc.		_					
	PO Box 90 Jane Lew,			Tub	ng & ing 75"	D	sed in rilling 40	Left in W	/ell	Cement fill up Cu. Ft.
	Jane Lew,	VV V 20370)		/5 /8"		,144	1,144		
Agent: Inspector:		Crai	ohn Haskins g Duckworth	41				5,190		
Date Mell	nit Issued:	menced:	10/26/06 11/05/06					 	\dashv	
Date Well Verbal Plu	Work Com Work Com Ugging: mission Grar	oleted:	11/05/06							
Rotary X	Cable	Rig							\dashv	
Total Dep										
Fresh Wa	iter Depth (f	t):								
Salt Wate	er Depth (ft):	****						J	ll	
			Y/N)?							
OPEN FL	OW DATA Producing	formations	s Gord	lon		Pay :	zone dep	th (ft)	_2	500-2540
				······································						****
,			***************************************		**********		•			
	Fina	al open flow al open flow oen flow be	****	Mcf/d.	Fir	al op	en flow en flow 8	N/A N/A Hours	Bb Bb	
		ck Pressure			urface		.) after	8	Но	urs
NOTE: O	n back of th	is form put	the following	j: 1) De	ails of	perfo	rated inte	ervals, frac	turi	ng or

stimulating, physical change, etc. 2) The well log which is a systematic detailed geological record of all formations, including coal encountered by the wellbore.

Fracture Information

Perforations 2500-2540

20 Holes

20,000 lb. Of 2040 Sand

350 BBL H2O