



IV-35 (Rev 8-81)

Operator's RECEIVED state of West Firginia Well No.

JAN26 1982

Zepartment of Allines noieicie es dau lied

API No. 47 -

Date

Bennett 5057

916

12/22/81

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	(If "Gas," Production / Underground Storage / Deep / Shallow /) TION: Elevation: 901.7 Watershed North Fork of Hughes River							
	District: Grant County Ritch							
	PANY Ray Resources Div.							
	ORESS 600 Commerce Sq. Chas. WV	Conin	T		Cement			
DES	GIGNATED AGENT W. E. Stover	Casing	Used in	1	fill up			
ADE	ORESS Culloden, WV	Tubing	Drilling	in Well	Cu. ft.			
SUF	RFACE OWNERJames Williams	Size 20-16						
	ORESS Maryland	Cond.		-				
	ERAL RIGHTS OWNER Olis Bennett	13-10"	20	20	155KS			
ADE	Parksburg, WV	9 5/8	308	308	90 sks			
OII	AND GAS INSPECTOR FOR THIS WORK Paul	8 5/8						
Go	odnight Smithville, WV	7	1966	1966	75 sks			
	₩IT ISSUED 1/26/81	5 1/2			<u> </u>			
	ILLING COMMENCED 1/29/81	4 1/2						
	ILING COMPLETED 3/7/81	3			<u> </u>			
	APPLICABLE: PLUGGING OF DRY HOLE ON	2						
CON REI	TINUOUS PROGRESSION FROM DRILLING OR ORKING. VERBAL PERMISSION OBTAINED	Liners used						
ŒC	DEV. Shale		Dani	th4574	·			
•	Depth of completed well 4574 feet	Rotanz	/ Cable	- Moole 3	feet			
	Water strata depth: Fresh 1300 feet;		/ Cable feet					
	Coal seam depths:				e area?			
OPE	N FLOW DATA							
	Producing formation Dev. Shale	Pas	v zona đeni	-b 2332-4	4574 =			
	Gas: Initial open flow Mcf/d	Oil Ini	itial open	f]~:	ieet			
	Final open flow (.73 Nof/o	Fir	nal open f	1104	BDI/C			
	Final open flow .73 Mcf/o Final open flow Bbl/o							
	Static rock pressure 500 psig(surface measurement) after hours shut in							
	(If applicable due to multiple completion)							
	Second producing formation		z zone don		£			
		Oil. In	itial open	£1~-	feet			
	Gas: Initial open flow Mof/A		reser obeth	TTOM	E51/d			
	Gas: Initial open flow Mcf/d				DL7-7:			
	Gas: Initial open flow Mcf/d Final open flow Mcf/d Time of open flow between init	Oil: Fir	nal open f	low	Bbl/d			

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

80 Pct. Gelatin Top shot @ 2257'

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Ked Kock.	0 104 308 897 1250 1440 1490 1740 1780 1840 1922	1490 1740 1780 1840 1922 2332	water @ 1300
Sandy Shale DEU Sh.	2332	4506	4574'-T.D.

(Attach separate sheets as necessary)

-N	Operator		1		
By:	ariri	/	Cont	• • • • • • • • • • • • • • • • • • • •	
Date:		1	And the second second		
	5m.3			 	

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



STATE OF WEST VIRGINIA



DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

_PERMIT NUMBER

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE January 26, 1981
Surface Owner James Williams	Company Ray Resources Div. BVX (U.S.), Inc.
Address Maryland	Address 630 Commerce Sq., Chas., WV 25301
Mineral Owner Olis Bennett	Farm Bennett Acres 250
Address Parkersburg, WV	Location (waters) North Fork Hughes River
Coal Owner None	Well No. 916 Elevation 901, 7
Address	Consult
Coal Operator None	Quadrangle Petroleum
Address	
THIS PERMIT MUST BE POSTED AT THE WELL SITE	
All provinces being in accordance with Chapter 22,	
or me vi. vu. Code, ina location is hereby approved	INSPECTOR
for drilling . This permit shall expire if	TO BE NOTIFIED Paul Goodnight
operations have not commenced by 9-29-81	
	ADDRESS Smithville, WV
Deputy Director - Oil & Gas Division	PHONE 477-3660
Departy Director - Oil & Gas Division	THORE
GENTLEMEN:	
The undersigned well operator is entitled to drill	upon the above named farm or tract of land for oil and gas, having fee
	or lease dated
	and recorded on the day of
19, in County, Book	Page
	ERREDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY I	ORILLED BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered en have been notified as of the above date.	ngineer or licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are	hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. *
or coal owners at their above shown respective addr	nailed by registered mail, or delivered to the above named coal operators ress before, or on the
same day with the mailing or delivery of this copy to	o the Department of Mines at Charleston, West Virginia.
	Very truly yours, RAY RESOURCES DIV BVX (U.S.), INC
PLEASE SUBMIT COPIES OF ALL	
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator
WEST VIRGINIA GEOLOGICAL AND	
ECONOMIC SURVEY	Address Street
P. O. BOY 879	of
HORGANIOWN, WEST VINGINIA 20303	Well Operator Charleston, City or Town
AC-304 - 292-6331	
	West Virginia 25301
	State
•	
*SECTION 3 If no objections are filed or found	t by the Department of mines, within said period of ten days from the receipt of
the filing of such plat, that no objections have been made by	d location, the department shall forthwith issue to the well operator a permit reciting the coal operators or found thereto by the department and that the same is approved
and the well operator authorized to proceed.	
N. N	47-085-5057

mation requirements as set forth in carry out the specified requirements."

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

PROPOSED WORK ORDER TO	XXX DRILL	DEEPENF	RACTURE-STIMULATE	
DRILLING CONTRACTOR: (If		RESPONSIBLE AGENT:		
NAME Ray Resources Div.	BVX (U.S.), Inc.	NAME Smokey Stover		
ADDRESS 630 Commerce Sq.				
TELEPHONE344-8393		TELEPHONE 743-9067		
ESTIMATED DEPTH OF COMPL	ETED WELL: 4500'		CABLE TOOLS XXX	
PROPOSED GEOLOGICAL FORM				
		OMB STODACE	DISPOSAL	
015_				
	RECICE	NG WATER FLC	OODOTHER	
TENTATIVE CASING PROGRAM	ī:			
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP	
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.	
20 - 16				
13 - 10				
9 - 5/8				
8 - 5/8	250	250	To Surface	
7	1600	1600	100 Sacks	
5 ½				
4 1/2		4500'	200 Sacks	
3			Perf. Top	
2			Perf. Bottom	
Liners			Perf. Top	
			Perf. Bottom	
IS COAL BEING MINED IN THE TO DRILL:	E AREA?	BY WHOM?		
SUBMIT FIVE (5) COPIES OF PLAT.	OF OG - 1, \$100.00 PERM	IT FEE, PERFORMANCE B	OND AND PERMANENT COPY	
TO DRILL DEEPER OR REDRIE	J.			
SUBMIT FIVE (5) COPIES	OF OG - 1, SHOWING ORIG FO 1929, A PERMANENT C	INAL PERMIT NUMBER AN	ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD	
TO FRACTURE - STIMULATE:				
OIL AND/OR GAS WELL O	RIGINALLY DRILLED BEFO AND ORIGINAL WELL RE	PRE JUNE 5, 1929, FIVE (5)	COPIES OG - 1, PERFORMANCE	
OIL AND/OR GAS WELL O		ND/OR AFTER JUNE 5, 199	29, FIVE COPIES OG - 1, SHOW-	
Required forms must be file four (24) hours in advance.	d within ninety (90) days of	completion for bond release.	Inspector to be notified twenty-	
· ·	•	•		
The following waiver must thereof.	be completed by the coal op	erator if the permit is to be	issued within ten days of receipt	
WAIVER: I the undersigned, Age this lease have examin	ent forent forent forent forent for ent f			
We the			· ·	
			vell being drilled at this location, 7, Chapter 22 of the West Virginia	
			For Coal Company	

Official Title