

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

Date **	August 13 ,		
Operat	orts		

FORM IV-35 (Obverse)

Well	No.	Fonce Brown	Ħ	4

WELL OPERATOR'S REPORT 7 - 2450 AFT Well Mo. -017 OF ATT WORTHLING, PRACTURING AND/OR STIMULATING, DE 1870, W. CHANGE [08-78] / Gas X / Liquid Injection\_ / Waste Dichosal\_\_\_\_\_/ WELL TYPE: Oil (If "Gas", Production X / Underground storage / Deep 2012/ Charles X Elevation: 1110 Watershed: Sand Fork LOCATION: Disinangle: Vadis 7.5! District: Cove County: <u>Doddridge</u> WELL OPERATOR Rockwell Petroleum Company DESIGNATED AGENT Robert R. Jones Address P O Box 86 Address P O Box 86 Sand Fork, WV 26430 Sand Fork, WV 26430 PERMITTED WORK: Drill X / Convert \_\_/ Drill deeper \_\_/ Rearill \_\_ " Practure or stimulate \_ Plug off old formation / Perforate new formation / Other physical change in well (specify) \_\_\_ OIL & GAS INDEESTOR FOR THIS WORK: PERMIT ISSUED ON \_\_\_July 16. 1979 , 19\_\_\_\_ (IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Name Paul Garrett Address Clarksburg, WV 26301 \_\_\_\_, 19\_\_\_ 622-3871 GEOLOGICAL TARGET FORMATION: Elk Depth 5450 Feet Depth of completed well, 5426 feet Rotary X / Cable Tools Water strata depth: Fresh, 124 feet; salt, feet. Coal seam depths: None Is coal being mined in the area? No Work was commenced July 28, , 19 79 , and completed August 3 . 19 79 CASING AND TUBING PROGRAM CASING OR TUBING TYPE CEMENT FILL-PACKERS FOOTAGE INTERVALS SPECIFICATIONS Weight Grade per ft New Used For drilling Left in well Kinds Canductor Fresh water | 8 5/8: 1217' 1217' To surface Coal Intermediate 41/2 5358 150 sks Production Tuting Liners Perforations: SEP-117 1979 ON & GAS DIVISION OPEN FLOW DATA YEPT. OF MINES, 4969.5 Producing formation Benson Oll: Initial open flow, 0 11/1 Gas: Initial open flow, \_\_\_\_\_Mcf/d Mcf/d Final open flow, Final open flow. Time of open flow between initial and final tests, hours Static rock pressure, \_\_\_\_\_psig (surface measurement) after \_\_\_\_ hours shut in [If applicable due to multiple completion -- ] Second producing formation  $\underline{\hspace{0.1in}}$ 5335 seer. Pay zone depth Gas: Initial open flow, Mcf/d Oil: Initial open flow, \_\_\_\_ Final such flow, 2 18 COMBINED Final open flow, 1,525 Mcf/d Time of open flow between initial and final tests, 8 hours SEP 2 4 1979

Static rock pressure, 1850 psig (surface measurement) after 36 hours shut in

FORM IV-35 (Reverse)

[08-78]

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

August 14, 1979

Elk - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 645 bls. water 23 BPM at 1800 lb. 1000 lb. breakdown

Benson - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 736 bls. water 16.8 BPM at 1700 lb. 1600 lb. breakdown

Perforations - 5082, 5095, 5246, 5247, 5274, 5275, 5335, 1 hole each

Perforations - 4966.5, 4967, 4967.5, 4968 4968.5, 4969, 4969.5, 1 hole each

WELL LOG

FORMATION	Color	Hard or	3 Top Feet	Bottom	Remarks Including indication of all fresh
Surface			0	Feet	and salt water, coal, oil and as
Sand			120	120	7.7
Shale			124	124	Water
Sand			135	135	T
Shale	u-night-			137	Water
Red Rock			137	680	
Sand			680	711	
Shale			711	724	
Sand			724	1194	
Red Rock			1194	1209	***
Sand			1209	1254	
Shale		See and the second	1254	1287	
Sand			1287	1598	
Shale		:	1598	1608	
Sand			1608	1880	
Shale			1880	1920	
Sandy Shale			1920	1950	
Shale	and the second s		1950	1985	
Lim & Sand		CALL CALL CALL CALL CALL CALL CALL CALL	1985	2090	
Sand	**************************************	-	2090	2110	
Lime			2110	2124	Show gas
Big Injun			- 2124	2170	
Sandy Shale			2170	2270	
Shale			2270	2420	Show gas
Sand			2420	2514	
Shale			2514	2540	
Sandy Shale		No.	2540	3060	
Shale			3060	3080	
			3080	3406	
Sandy Shale Shale			3406	3440	Show gas
			3440	4200	
Sandy Shale Shale		MACHINE -	4200	4225	
			4225	4956	
Sandy Shale			4956	4978	Show gas (Benson)
Shale			4978	5074	
Sandy Shale			5074	5100	Show gas
Shale	Paragraphic of I		5100	5220	
Sandy Shale		1	5220	5340	Show gas
Shale BCAL.		e e	5340	5426	
Total Depth			5426		

Mack R. Worl

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the drilling of a well."

Rockwell Petroleum Company

Well Operator

EASE SUBMIT COPIES OF ALL COPHYSICAL LOGS DIRECTLY TO:

CT VIRGINIA OIL AND GAS CONSERVATION COMMISSION 15 WASHINGTON STREET EAST ARLESTON, WV 25311

LEPHONE: (304) 348-3092

BLANKET BOND

Rockwell Petroleum Company
Well Operator

By Robert R. Jones Partner

## PROPOSED WORK ORDER



THIS IS AN ESTIMATE ONLY: ... ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CON	TRACTO	R (IF	KNOWN)	<u>Un</u>	ion I	Orilling, Inc				•
				Addre	ss	Drawer 40				
					-	Buckhannon,	WV 26201	· ·		
CEOLOGICAL M	4 D C D C	TO COLUMN TO	TON.	777-71 3		1.0				
GEOLOGICAL T	••					-4-0	<i>P</i> A			
•								Rotary X /	capie too	15/
							-	, feet, ined in the area	0 7	/ N. V /
Approxi	mate c	oai se	am uepu	115: _		3.3	roas perug w	TUED TU TUE SLAS	: ies	NO A
CASING AND T	UBING	PROGRAI	M				· ·			
CASING OR TUBING TYPE			IFICATI Weight		1	FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	S de la constantina della cons	PACKERS
	Size	Grade	per ft	New	Used	For drilling	Left in wel	l (Cubic feet)		
Conductor				-				<u>, , , , , , , , , , , , , , , , , , , </u>	Kinds	· constitution of
Fresh water	8 5/8					1300	1300	To surface		
Coal:					1				Sizes	
Intermediate							-			- Control of the Cont
Production	41/2						5400	160 sks	Depths s	et
Tubing	1									•••• · · · · · · · · · · · · · · · · ·
iners					-				Perforat	ions: -
									Top	Bottom:
·					<u> </u>					Act 1
the recapplic previous the constant where is not THIS PER All provious of the Value	of the cable	other to the paid or requir the pr separa ring o such o JST BE	securi reclama the steed by Coposed te Form r stimu n the F POSTED occorden a location. This	ty al ation ame work of the control	lowed required in the shall required in the	by Code § 22 ired by Code the fee requi 4-8a from the  Il not be requi to be part of filed in conne ELL SITE  Der 22, pproved expire if	-4-2, (iii) if 22-4-12b ared by Code owner of any xired for fraft the work fo	d by Regulation Form IV-9, "Reclind Regulation 23 \$ 22-4-12a, and water well or distinction or stimulation apermitation.	amation P , (iv) un (v) if opp welling v	lan", less plicable, pithin well
operation 0990 is	A A	Wing lessee	Wicer D Who ha	WWSitn s rec	be co	mpleted by th a declaratio (15) days of	receipt there	tor and by any c § 22-4-20, if t eof:	oal owner he permit	
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ocation has sell location he work prop	examing, the cosed to	ned thi well l	is prop location lone at	osed n has this	well been loca	location. If added to the tion, provide	a mine map of mine map.	ee/ of the exists which cov The undersigned onerator has come regulations.	ers the a has no ob,	rea of the jection to
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