



Date September 17 , 1981 STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION Operator's FORM IV-35 (Obverse) Well No. <u>Erwin #1</u> WELL OPERATOR'S REPORT OF API Wel No. 47 - 017 - 3036

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE State County Permit [08-78] WELL TYPE: Oil___/ Gas_X_/ Liquid Injection___/ Waste Disposal___/ (If "Gas", Production X / Underground storage / Deep / Shallow X /) LOCATION: Elevation: 1018' Watershed: Toms Fork District: New Milton County: Doddridge Quadrangle: New Milton WELL OPERATOR Carson Petroleum Corporation DESIGNATED AGENT Lowell M. Johnson Address P O Box 133 Address P 0 Box 133 Sand Fork, WV 26430 Sand Fork, WV 26430 PERMITTED WORK: Drill X / Convert ___ / Drill deeper __ / Redrill __ / Practure or stimulate ___ Plug off old formation____/ Perforate new formation____/ Other physical change in well (specify) PERMIT ISSUED ON August 7, 1981, 1981 OIL & GAS INSPECTOR FOR THIS WORK: (IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Name Steve Casey Address <u>Jane Lew, WV</u> 884-7470 __, 19__ GEOLOGICAL TARGET FORMATION: Big Injun Depth 2214 Feet Depth of completed well, 2651 feet Rotary X / Cable Tools Water strata depth: Fresh, 1544 feet; salt, N/A feet. Coal seam depths: N/A Is coal being mined in the area? No Work was commenced August 17 , 19 81 , and completed August 24 CASING AND TUBING PROGRAM CASING OR CUBING TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UF OR SACKS PACKERS Weight
Size Grade per ft New Used For drilling Left in well cnductor Kinds resh water 8 5/8 9081 9081 To surface oal ntermediate roduction 4 1/2 100 sacks 2301' Depths set ubing Perforations: Top Battom 350 2 1 188 OIL AND GAS DIVERS 189 MCF PEN FLOW DATA Producing formation Big Injun Pay zone depth <u>1210-2214</u> fee: Gas: Initial open flow, ____Mcf/d Oil: Initial open flow, _____Bbl/d Final open flow, _____Mcf/d 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 Blue Monday Pay zone depth 2076 - 2102' __feet

Second producing formation Blue Monday Pay zone depth 2076 - 2102 fee

Gas: Initial open flow, Mcf/d Oil: Initial open flow, Pbl/d

Cómbined Final open flow, 189,000 Mcf/d Final open flow, 151/d

Time of open flow between initial and final tests, 4 hours OCT 08 1981

Static rock pressure, 735 psig (surface measurement) after 48 hours shut in

[08-78]

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

September 9, 1981 Fractured:

Big-Injun - 5,000 lb. 80/100 sand

30,000 lb. 20/40 sand

505 bbls water 2900 lb. breakdown 29.5 BPM at 2720 lb.

Perforations - 2210 - 2214, 6 shots 2198 - 2202, 6 shots

Blue Monday - Was not treated.

Did not break down.

Perforations - 2096 - 2102, 8-shots

WELL LOG

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FORMATION	Color	Hard or	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and jas
Sand			0	27	
Red Rock			27	50	~ .
Slate and Sand			50	210	44-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-
Red Rock and Slate			210	732	
Sand and Slate			732	810	
Red Rock and Shale			810	950	Disease.
Slate and Sand	*		950	1935	
Red Rock			1935	1975	
Slate			1975	2015	
Red Rock			2015	2050	
Little Lime			- 2050	2063	
Pencil Cave			2063	2074	
Blue Monday			2074	2104	·
Big Lime			- 2104	2154	
Big Injun			2154	2249	
Slate			2249	2290	•
Shale			2290	2368	
Slate			2368	2382	
Shale			2382	2466	
Slat e			2466	2488	
Shale 🖖			2488	2526	•
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Slate	October		2544	2651	
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(Attach separate sheets to complete as necessary)-

Carson Petroleum Corporation

Regulation 2.02(i) provides as NOTE:

"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."

FORM (V-2 (Obverse) (OS-78)

UHLEPHONE: 384; PA 2941



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

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DURATION Desire Now Million County Desired Desire	WELL TYPE	Oil/ G	as <u>X + 1</u> /				
WELL OPERATOR CERSON Petroleum Communication Section Section Description Section Petroleum Communication Section Address FO Box 153 Send Spork, MY 26430 Send Spork, MY 26431 Sen		(If "Gas", Product	on X	Undergroun	ed storage	Deep	/ Shallow x /)
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THIS IS AN EXTEMATE ONLY. ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING C	ONTRAC	TOR (IF	KNOW	N) _		Union Pr	illing. In				
Address _						Drawer 46					
						Buckhann	on, WV 26	201			
GEOLOGICA	L TARGE	ET FOR	MATION	,	-	Devania		Gantz .			
Estimate	ed depth	of comp	aleted we	:11, {	2900	je.	et Rotary	X Cab	le tools		
Approxi	imate wat	er strata	depths:	Fres	h,	92 feet	: salt, <u>N/</u> .	A feet.			
Approxi	imate coa	l searn d	lepths: _	N/A		Is coal	being mined	in the area? Yes	/ NoX/		
CASING ANI	TUBIN	G PROG	RAM								
CASING OR TURING TYPE	D	į	Welcht		1	FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)			
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Conductor	\$ 1 \$ 1		4			8			Kinds		
Fresh Water	8 5/8	e.				192'	1921	To surface			
Coal				1					Sizes		
Intermediate		The state of the s						200			
Production	4 1/2		is the second se				2900'	750 sacks 7	Depths set		
Tubing				C State Land and a second		5; }					
Liners		C				3			Perforations:		
		The state of the s	S S S S S S S S S S S S S S S S S S S						Top Bottom		
		Company of the Compan									
		about the suppose	1	And the control of th	- American	To the state of th	4				
Recoprevious As be partitional provisions	lamation ously paid \$22-4-86 separate F art of the v MUST BE being in Code, th ing	Plan". a lon the sa from the form ly-2 work for the control of the locality. The managed	pplicable ame well ne owner shall not which a possible ame with nee with nee with so is permit by 4-	to the fine	e recia ee reque y wate uired f is soug 1 SITI ter 22 oprove expire	emation required by Code § cr well or dwell or dwell for fracturing or that and is noted	ed by Code \$ 2 22-4-12a, and (ling within 200 stimulating a v	ved by Code & 22-4-2 2-4-12b and Regulati v) if applicable, the co- feet of the proposed well where fracturing of Form IV-2 filed in con-	on 23. (iv) unless onsent required by it well.		
Deputy Di	rector - O	&/ Oas	Chaisian								
។ 4.20 ១៥៦៦៩៩១៤៩៩	2. 一切水火水面面型:		*****			· ************************************	************		636666666666666666666666666666666666666		
The decl	foliowing aration ur	waiver m ider Cod	nust be co ie 22-4	mplete -20, if	ed by th the po	he coal operator ermit is to be	and by any coa issued within f	l owner or coal lessee lifteen (15) days of re	who has recorded a eccipt thereof.		
						W'AI'	VER				
proposed well The undersign	location. ned has n	lf a mine o objecti	map exi on to the	sts whi : work	voo doi eogorg	ers the area of sed to be done	the well location	n, the well location ha	veil location has examined this s been added to the mine map. operator has complied with all		
							many des inspectables inspectables				
Date.			, 19				By				
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