

WILLIAM A SSOCIATES TO Parkersburg, W. Virginia

4200 DEVONIAN SHALE S-6

WARE ASSESSIONS THE Parkersburg, W. Virginia newberr

Doep Well

5-6650



### STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

Quadrangle	Spencer
d'ammen mur @ up	

Wir- 527 Permit No ...

W	EL	LF	REC		RD
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Ololo	, ·	لسا
Oil or	Gas	Well Dry

Address 504 Un	don Trus	poration t Bldg., k	erkersburg	Casing and Tubing	Used in Drilling	Left in Well	Packers
Farm P.G. Ma	rks	. A	lcres_102	A = A 0x 0			
Location (waters)	Anne's	Kun		Size			
Well No. 12			Elev. 768 KB	16			Kind of Packer
District Sprin	E Creek	_CountyW1_I't	;	13	35	35	
The surface of trac	ct is owned in	fee by Denve	r Roberts	10	3.000	2 12 200 1	Size of
	A	Address & L12W	beth, W.Vs	9 5/8	1675	1675	
Market Co.		A 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 Cold adaptation (CC) (St	of 8 7 "	5630	5630	Depth set
	A	Address	ton, W.Va.	5 3/16			
Drilling commence	d July	₽° TADD •		3			Perf. top
Drilling completed						· · ·	Perf. bottom
Date Shot							Perf. top
With							Perf. bottom
Open Flow /							
			Inch	CASING CEMI	ENTED Yes	SIZE 7	No. Ft. 5630 Date
Volume					NI CATE	ANNU	nate Steet
Rock Pressure				COAL WAS E	DOTTON C	AT None	SING, FEET INCHES
Oîl	71.7"		_bbls., 1st 24 hrs.				REMENTER CHES
WELL ACIDIZED	)	)	-	. /			
		No		FEE	L SPASS	FATELLY	FEET INCHES
WELL FRACTUR	ED	190		. 2	3	<del></del>	
		r None					
RESULT AFTER		A	·				
ROCK PRESSURI						E.	
Fresh Water		reet		Sait water		re	ev
Formation	Color	Hard or Soft	Тор .	Bottom	Oil, Gas or Water	Depth	Remarks
42000000000000000000000000000000000000		SUL			01 Water	<u> </u>	
		SVL E		490	01 Water		
Shale		SUL	0	420 1180	or water		
Sand & Sh	ale	Sut	420	1180		er 1370	0
Sand & Sh Sandstone	ele	Suit	<u> </u>	l	Salt Wet		0
Sand & Sh	Big Livne		420 1180 1440 1600	1180 1440 1600 1620	Salt Wat		0
Sand & Sh Sandstone Limestone Sandstone Shale	Big Livne Big Livne	n Sn#	420 1180 1440 1600	1180 1440 1600 1620	Salt Wat	•	
Sand & Shi Sandstone Limestone Sandstone Shale	Big Live Big Live Big livio	- had received	420 1180 1440 1600 1620 5243	1180 1440 1600 1620 5446	Salt Wat	•	
Sand & Shi Sandstone Limestone Sandstone Shale Limestone Sandstone	Big Livie Big livie & Chert	- the result	420 1180 1440 1600 1620 5243 5446	1180 1440 1600 1620 5446 5770	Salt Wat	•	16-5476 WOTER
Sand & Shi Sandstone Limestone Sandstone Sandstone Sandstone	Big Livie Big livie & Chert Lime & & Chert	- the result	420 1180 1440 1600 1620 5243 5446	1180 1440 1600 1620 ### 524 5446 5770 6080	Salt Wat	•	
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Sand & Sh Sandstone Limestone Sandstone Sandstone Limestone Dolomite Sandstone	Sig Live Big Live & Chert Lime & & Chert & Anhydr & Shale	- the result	420 1180 1440 1600 1620 5243 5446 5770 6080	1180 1440 1600 1620 5446 5770 6080 6770	Salt Wat  SHOW 8	.V 684 54	
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11 APR 4 1983



IV-35 (Rev 8-81) OIL & GAS DIVISION

OIL & GAS DIVISION

DEPT. OF MINEState of Mest Hirginia

Department of Affines

Oil und Gas Pivision

Date	3/22/82
Operator	'S
Well No.	12
Farm P.	G. Marks Hrs.
API No	47 - 105 - 0527

# WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL T	YPE:	Oil / / Gas / L: (If "Gas, Production	iquid Injection/ Undergro	n/ Wast und Storag	e Disposal re/ Deer	Sha	llow/)
LOCATIO	ON:	Elevation: 758	Watershed	Ann's Run			
	:	District: Spring Cree	k County Wir	t	Quadrangle	<u>Burning</u>	Springs
			•				
COMPAN	Y	Weva Oil Company 325 Seventh Street Roo Parkersburg, WV 26101	m 205	<b>7</b>			Cement
				Caşing	Used in		fill up
		AGENT Randall Lynch		Tubing	Drilling	in Well	Cu. ft.
	Andria Carlos	Creston, WV 26141		Size 20-16			
		ER P. G. Marks Hrs.	AND THE RESIDENCE OF THE PARTY	Cond.			
ADDRES				13-10"			
		HTS OWNER same	apparates unaber s'autobiologico de contrata succidente de contrata de contrat	9 5/8	1675	1675	surface
ADDRES	· · · · · · · · · · · · · · · · · · ·			8 5/8			
		INSPECTOR FOR THIS W		7			
	***************************************	ADDRESS Smithville		5 1/2			
		September 23, 1980		4 1/2	4050	4050	580
		September 23.		3			
		MPLETED October 16, 1		2			: # T L L
CONTIN	TUOUS	BLE: PLUGGING OF DRY PROGRESSION FROM DRII VERBAL PERMISSION OF	LING OR	Liners used			Se s
NATIONAL CONTRACTOR OF THE PARTY OF THE PART	To the second	microstockota kieria eri matausana opsavojamen keises suoi Millionia eri eri papa papa papa papa papa papa pat				2000 *	_ TD
		TARGET FORMATION	Devonian Shale			***************************************	o TD feet
		of completed well		Rotary			
		strata depth: Fresh					
C	Coal :	seam depths: NA		_ Is coal	being min	ed in the	area? <u>no</u>
OPEN F		DATA cing formation Devon	turon ian Shale	Pa	y zone dep	th <u> 3455</u> t	:0 4034 feet
		Initial open flow 2					
		Final open flow					
		Time of open flo	and the state of t				
S	Stati	c rock pressure 600				_	
		pplicable due to mult				· · · · · · · · · · · · · · · · · · ·	
		d producing formation	•		y zone dep	oth	feet
		Initial open flow					Bbl/d
		Final open flow					Bbl/d
		Time of open fl	*				
	Stati	c rock pressure					
		_					• • • •

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

3450 to 4050

20 shots

stimulated w/720 MSCF of Nitrogen pumped at a rate of 44 MSCF/min ISIP=1650

#### WELL LOG

		ELIL LIK	
FORMATION COLOR HARD OR SO	OFT TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Conemaugh	0	210	
Alleghency	210	625	
Pottsville	625	860	
Mauch Chunk	860	980	
Greenbrier	980	1270	Joseph agree with
Pocono	1270	1985	
Hampshire	1985	3150	H-3267?
Chemung	3150	TD	1-4224
		TD 4091	
			4091 1620 2371-expl ftg

(Attach separate sheets as necessary)

12 11 11 11 11 11				
Well	Operator			
	•			
By:				
Date:				

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 cond, encountered in the drilling of a well."



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

# OIL & GAS DIVISION DEPT. OF MINES

## Oil and Gas Division

# OIL AND GAS WELL PERMIT APPLICATION

Cha	rieston, W. Va.			DATE	Septe	mber 15	<u>,</u> 198	30	
Surface Owner	P. G. Marks	Hrs.		Сопараву	Weva	Oil Com	pany		
Address Cware	Creston, WV	et ez dimensioakonakon Alizanokok kapita ara arrain erre estet biztea err		Address_	PB	on, WV			
Mineral Owner	same	organiczny podszer pierwykie piece kierwie i meconolowychy.			P. G. M			A	102
Address						Ann's	Run	Acres_	
Coal Owner_	same			. Well No.				570 · ·	758
Address						Creek	THE PROPERTY OF	Elevatio County	Wirt
Coal Operator	none	,					AND DESCRIPTION OF THE PERSON		
				· Anninis					
AIT MUST BE	POSTED AT THE WEL	I SITE							
. Va. Code, in Tilling	accordance with Chapter location is hereby ap  This permit shall employed by 5-23-81	expire if	TO	ISPECTOR D BE NOTI	_				ala Tro edica su la soluzione di su distributi di su
2 / 75	, still		AD	dress _s	mithvi	lle, WV	261	.78	
Director - Oil	& Gas Division		PB	IONE 47	7-3660				
ily Director				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		<del>Управар</del>			
The undersignate thereto, (co., in	med well operator is ever as the case may be made to Co	under gran	t or lease da	ated Jun and Page	ne 6 recorded or 594	19. a the	03 by	P.G.	Mar
title thereto, (c	made toCo	unty, Book DRILL DE	45 EPPER Y DRILLED	ated Jurand Page REI BEFORE J	recorded or 594  PRILL UNE 5, 19	19. n theFR.	O3 by	day of	Mar
The undersignation of the control of	made toCo  EW WELLCo  EW WELLCo  EW WELLCo  EW WELLCo  plat was prepared by ied as of the above da amed coal owners and tion 3 of the Code, must be mailing or delivery  IT COPIES OF ALL	unty, Book  DRILL DE  ORIGINALL  A registered  te.  /or operator  ust be receiv  sed plat were  respective as  of this copy	45  EPPER Y DRILLED  d engineer or  are hereby nowed by, or file  mailed by r  ddress  to the Depart	and Page REI BEFORE J licensed la otified that ed with the	PRILL UNE 5, 19 any objects Departmen ail, or deliv	FRA 69.  r and all continues to f Mines ered to the	ACTURE  oal owns  sh to m  within t  above n	P.G. day of OR St	Mar CIMUL or oper are req days.
The undersignative thereto, (constitution of the enclosed nave been notified to make by Section of the coal owners are day with the ELEASE SUBMINION OF THE SUB	made toCo  EW WELL  L AND GAS WELL  plat was prepared by ied as of the above da amed coal owners and tion 3 of the Code, made anotice and the enclose at their above shown the mailing or delivery  IT COPIES OF ALL LOGS DIRECTLY T	unty, Book  DRILL DE  ORIGINALLY  a registered  te.  /or operator  ust be receiv  respective as  of this copy  O:	45  EPPER Y DRILLED  d engineer or  are hereby nowed by, or file  mailed by r  ddress  to the Depart	A REI  BEFORE J  licensed la  otified that ed with the registered martment of l  Very truly y  Sign Name)	recorded or 594  RILL  UNE 5, 19  any object: Department day, or delived day,	fR.  fR.  fS.  fand all continues with the Mines erred to the marleston, Well Operation of the street of the stree	ACTURE  oal owner  sh to m  within t  above n	P.G. day of OR St aks, or en (10) amed co before, inia.	Mar CIMUL or oper are req days.
The undersignative thereto, (consistent thereto, (consistent the enclosed that the enclosed that the above in make by Section of the enclosed that coal owners are day with the ECPHYSICAL FFICE OF OR 615 Washing harleston,	made toCo  EW WELL  L AND GAS WELL  plat was prepared by ied as of the above da amed coal owners and tion 3 of the Code, must be mailing or delivery  IT COPIES OF ALL LOGS DIRECTLY THE LOGS DIRECTLY THE LAND GAS property of the coal owners and the mailing or delivery  L AND GAS property of the coal owners of the coal owners and the ending or delivery	unty, Book  DRILL DE  ORIGINALLY  a registered  te.  /or operator  ust be receiv  respective as  of this copy  O:	45 EFFER Y DRILLED d engineer or are hereby not good by, or file e mailed by r ddress y to the Depart	Ated Junary and Page REI REFORE Julicensed la cotified that ed with the registered martment of luly years (Sign Name).	recorded or 594  RILL  UNE 5, 19  any object: Department day Mines at Chours,  Star  Reno,	fR.  fR.  fS.  fand all continues with the Mines erred to the marleston, Well Operation of the street of the stree	ACTURE  cal owner  sh to m  within t  above n  est Virginary	P.G. day of OR St aks, or en (10) amed co before, inia.	Mar

BLANKET BOND

WIRT-527-RED. PERMIT NUMBER

"I have read and singlerstand the reclamation requirements as set forth in Chapter 22. Asticle s. Section 12-b and will carry out the specified requirements."

Mo.

Jumey

### PROPOSED WORK ORDER

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

LING CONTRACTOR (IF KNOWN) Falcon Drilling Corporation

			addre	ss	2030 Kanawha	DIVO., C.	<del>and the rest</del>		
					Charleston, M	I. Va. 251	311		
GTCAL T	ARGET FOR	RMATION,		Weir					
					4200' '	Ceet :	 Rotary <u>χ</u> /	Cable tools	
					sh,fret				
					i is coa			a: Yes/	/ No/
		· · · · · · · · · · · · · · · · · · ·							•
	UBING PRO	GRAM					M		
G OR G TYPE	9	PECIFICATI Weight rade per ft	1	Used F	FOOTAGE IN		CEMENT FILL-U OR SACKS (Cubic feet)	100 marin (100 marin (	TAEKS
ctor	16''		X		40 1	40 *		Kinds	
water									
								Sizes	
nediate	8 5/8"	20#	X		650'	650'	200 sks.		
ction	41211	10.5	X			4200°	as needed	Depths set	
g			ļ	<u> </u>				1	*
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						M. Caralling and Prince September 1995 and Caralling September 1995 and Ca			
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Form by Ro there appli previ the c 200 f	IV-2 mus egulation eof the o leable to ously ra onsent re cet of ti fractur ted as s	t be filed II, (ii) of ther securi the reclar id on the sequired by the proposed eparate For ing or stim	with bond by all same u Code well ulati Form	the Pelin on Cloved or required to 22-4-  2 shall ng is to 1V-2 fi	partment, acco e of the forms by Code § 22-4 red by Code § he fee require -8a from the or l not be requit to be part of iled in connec	mpanied by prescribed 22, (iii) be 22-4-12b and by Code somer of any red for frathe work fo	(1) a plat in l part in l	the form pre n 12, or in 1 clamation Pla 23, (iv) unle d (n) if anni e duelling with the mulating a we	saribea ieu n", ss sieitie, ichin
Form by Ro there appli previ the c 200 f	IV-2 mus egulation eof the o leable to lously pr cet of th  A se fractur ted as si	t be filed II, (ii) of ther securified the reclar id on the sequired by the proposed eparate For ing or stim uch on the IST BE POS	with a bond ty all sations ame well material well and the same well are said and the same with the same with the same and the same are same as a same are sa	the Pellin on Clowed required requir	partment, acco e of the forms by Code § 22-4 red by Code § he fee require -8a from the or l not be requi: to be part of iled in connec NELL SITE	mpanied by prescribed 22, (iii) be 22-4-12b and by Code somer of any red for frathe work fo	(1) a plat in l part in l	the form pre n 12, or in 1 clamation Pla 23, (iv) unle d (n) if anni e duelling with the mulating a we	saribea ieu n", ss sieitie, ichin
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