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THE COUNTY PARTITION OF THE COUNTY PARTY AND THE COUNTY PARTY PART	ć [;] '	Cperatio	r's	<u>. 10</u> , 1983
DEPT. OF MIRE CELVISION of Most	. 智:[[]]	Well No	. Jackso	n # 20
DEPT. OF WILLIAM STREET	المالي المالي	Farm	Westvac	10
10117 1983 Capacinent of	::::ناتشے	•		
(10) I (1983 - C) (H und Ges)	Zivisian	API No.	47	085 - 586
		•	085-58	68
OIL & GAS DIVISION CPERATOR! OF MINEL OPERATOR! OF	S REPORT			
OF	- • co-co	ים פייעפירט!	. C=333 EE	
DRIVING, FRACTURING AND/OR STIRL				
WELL THE: Oil XX / Gas XX/ Liquid Injection	/ Wast	e Disposal	1	
(If "Gas," Productionxx / Undergrou	nd Storag	ge/ Dee:	o/ S.n.a	TTOM\)
INCATION: Elevation: 909' Watershed	South F	ork Hughes	River	
				-
District: Grant County Rite	hie	_Ongorangie	∃ <u>Macta</u>	irlan
		•		
		-		
COPENY Alan Gable Oil Development Co.				
P O Box 166, Davisville, WV 26142	Casing	Used in	ta÷+	Cement
DESIGNED RADA Ronald Redella	Caging	1	İ	fill up
	Tribing	<u> intrand</u>	In Wall	Cu. ft.
ADDFESS s ame	Size			
SURFACE OWNER Westvaco	20-16 Capd:		40'	
ADDRESS Rt 95, Parkersburg, WV				
M.C. Petticord and M.C. Petticord and M.C. Petticord and M.C. Petticord and	13-10"		1	
Parkershurg WV	9 5/8		1	
ADDFESS Parkersburg, WV	8 5/8		1110'	300 sks
OIL AND GAS INSPECTOR FOR THIS WORK 4	7	ļ		
Sam Hersman ADDRESS Smithville, WV	5 1/2			
# 3868 /			5884'	600^sl
DRILLING COMPANIED 10/82	4 1/2	1	1	1 800 SF
	3			
ORTHLONG COMPLETED 10/82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	Liners			
CONTINUOUS PROGRESSION FROM DRILLING OR FEWORKING. VERBAL PERMISSION OBTAINED	users		<u> </u> 	
CN CN				1
	-	5	÷'n co	
GEOLOGICAL TARGET FORMATION Marcellus			59	
Depth of completed well 5884 feet	Rotary	xx / Cabl	.e Tools_	
Water strata depth: Fresh NA feet;	Salt /	# feet	•	
Coal seam depths: n/a				e area? no
	•	-		
OPEN FLOW DATA Realitery Secretary	Cordon			
Balltown, Speechely, Gantz		ay zone dep	oth 2520)-3869 f ee
Case Initial open flow 1040 Mcf/d	Oil: Ir	utial oper	ı flow	0 E51/c
Final open flow (1017) Mcf/d	<u>ت</u>	inal open f	10w 7	5) Eb1/
FINAL COMMITTION (1017) INCIDENT	ده د همید اورن	Simultonia.		
Time of open flow between init				
Static rock pressure 1145 psig(surface	e measure	ment) afte	er 8 ho	urs shut i
(If applicable due to multiple completion	:)			
Second producing formation aa		ay zone de:	oth a	afee
Cas: Initial open flowMof/d	011. T	nitial cor	n fimov 4	4 1004 Ebl/
(US) Princial Open From	023 =	ingl and	-11AL	4 1984 === /
Final open flowMcf/d	011: F	mar obeu :	r TCM	

Time of open flow between initial and final tests hours

THIT ILS OF PRIFITATION OF THE THIS, FRACTURING OR SINGUALING, PHYSICAL COMMEN, AND.

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3853-69 7 holes

3731-36 10

3698-3700 3

3689-91 3

3652-54 3

3525-27 3

2 MMCF N2

3512-14 3

3438-39 2

2801-05 5 4 Dev. urdiff.
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WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	PEMARKS Including indication of all franciscular and salt water, coal, oil and
Red Rock	0	1200	
lst Salt	1322	1350	
2nd Salt	1453	1504	
3rd Salt	1670	1726	
Maxon	1748	1760	
Big Lime	1856	1900	
Keen er	1901	1951	-
Big Injun	1960	2013	
Squaw	2026	2032	
Berea	2402	2404 .	
Gantz	2514	2530	٠
Gordon	2798	2806	
Upper Speechley	3488 -	3 552	
Lower Speechley	3592	3660	
Balltown	3636	3870	
Bradførd	3952	4102	
Rilev	4385	4625	
Benson	4680	4705	
Alexander	4840	4885	
Hamilton	5410	5725	
		TD 5884 By TD.	\$ 5884 2404 3480

(Attach separate sheets as necessary)

Alan Gable Oil Development Co.

Well Operator

By: Jubal S. Terry

Date: Aug. 10, 1983

FORM IV-2 (Obverse) (12-81)

	State .	County	Permit
API Well No.	47	085	5868
Operator's Well No.	Pet	ticord	#1
Date: Augu	ıst 30	, 19	82

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE:	OilX/ GasX/			
	(If "Gas", Production/ Und	derground	i storage	/ Deep / Shallow X
LOCATION:			South Fork	
	District: Grant Co	ounty:	Ritchie	Quadrangle: MacFarlan
WELL OPERATOR	R Eagle Petroleum Company			GENT R. D. Mandrake
Address	P.O. Box 1049	_	Address P.	0. Box 1049
·	Parkersburg, W. Va. 26102	-	_ Pa	rkersburg, W. Va. 26102
OIL & GAS ROYALTY OWNE	R G. W. Maze		COAL OPERATO	R NA
	Petroleum, W. Va.	-	•	
		-		
Acreage -	269	-	COAL OWNER(S)	WITH DEGLARATION OF THE
	RWestvaco			WITH DECLARATION ON RECORD:
Address			Name	RECEIVED
			Address	943 6 6 1 A 16 10)
Acreage	121.3	-	Name	SEP 3 1982
FIELD SALE (IF				OIL AND GAS DIVISION WY DEPARTMENT OF MINES
Address				WV DEPARTMENT OF MINES
			COAL LESSEE W	ITH DECLARATION ON RECORD:
OIL & GAS INSPI	ECTOR TO BE NOTIFIED			The state of the s
Name		_	Address	
Address		_		
. ••••		_		
The undersigned v	well operator is entitled to operate for oil or g	as nurnos	es at the above leave	A
other contract X	/ dated July 16 , 19 82	, purpos	and and a second	tion under a deed/ lease
Weget ve	Exproration Corp.	, to the	e undersigned well	operator from
Ir said deed, lease	e, or other contract has been recorded:)			Day 1.
/a., inLeas	$\frac{11y}{21}$, $\frac{82}{146}$, in the office of the	Clerk of	the County Commis	ssion of County, West
in	Book 146 at page 404	A pe	rmit is requested a	as follows:
PROPOSED WOR	RK: Drill X / Drill deeper/			
	Plug off old formation/ Per	forate ne	w formation	/
	Other physical change in well (specify))		
•				
	-planned as shown on the work order			
The above named	coal operator, coal owner(s), and coal lessee a	are hereb	y notified that any ol	bjection they wish to make or are required to

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code \$22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY
ТО:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMIS-
SION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
221, 11 1 2011
TELEPHONE: (304) 348-3092

Eagle Petroleum Company
Well Operator

By Operations Manager

FORM IV-2 (Reverse) (12-81)

PROPOSED WORK ORDER

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

DRILLING CO	ONTRAC	TOR (IF	KNOW	N)	Снмр	rilling Co	•	
Address Marietta, Ohio 45750								
GEOLOGICAL TARGET FORMATION,Marcellus Shale								
Estimate	d depth	of comp	leted wel	ll,5	,900 fe	et Rotary	/ X / Cab	le tools/
Approxi	mate wate	er strata	depths:	Fresh,	100 fee	t; salt,	700 feet.	
Approxi	mate coal	seam d	epths:		Is coa	l being mined	in the area? Yes	/ NoX /
CASING AND	TUBING	G PROG	RAM					
CASING OR TUBING TYPE	SPE Size	CIFICATI Grade	IONS Weight per ft	New Use	l l	INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor	13 ³ /8			х	40'	40'	15 SX	Kinds
Fresh Water	8 ⁵ /8		20#	X	1100'	1050'	To surface	Killus
Coal	<u> </u>		20"	**	11100	1030	10 Surface	Sizes
Intermediate								ones.
Production	4 ¹ /2		10.5#	X	5920'	5900'	As Required	Depths set
Tubing		-					by Reg. 15.01	
Liners								Perforations:
								Top Bottom
-								
NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well. A separate Form Iv-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.								
						as such on the	Form 14-2 filed in cor	nection therewith.
THIS PERMIT						12		
					TH CHAPTER 2			
					ion is hereby Kmit shall ed			
BY BY BY SERVICE COMMENCED BY 58-83								
				•				
	· • • • • • • • • • • • • • • • • • • •	••••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	••••••	•••••	• • • • • • • • • • • • • • • • • • • •	•••••••••••••••••••••••••••••••••••••••
The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.								
WAIVER								
The undersigned coal operator/ owner/ lessee/ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.								
Date:	The section of the se	3	, 19_		, A.	Ву		
					VII	lts		