

•					Janu	ary 12,19	82
	STEPPER!	W/2/M				ised Ju ised Ma	
IV-35	RECEI			Tourist (1968) Alexander	Operator	:'s -	
(Rev 8-81)	JUN -9	1983	nic of Mest	Wirginiz	Well No.		A. I
• • •			70	Alines	Farm to	la Bradfie	
	OII & GAS	S DIVISION	Gil und Gas	E Bivision	API NO.	47 - 07	3 - 1263
	DEPT.	IF MINES	Wil Line Gas			•	
• • • • • • • • • • • • • • • • • • •		WE	IL OPERATOR	S REPORT	•		
s Tomber	·		OF AND/OR STIMU	LATING, O	R PHYSICAL	CHANGE	in the second se
	DRILLING,	FRACTORLING	<u>/// // // // // // // // // // // // //</u>		*****		•
and the second second			id Injection	. / Wast	e Disposal		
WELL TYPE:	(If "Gas,"	Production_	_/ undergrou	, Dec 2-3		Sha	[](w/)
LOCATION:	Elevation:	1000 W	latershed	Sugar Cre	pb ·		
III.	District: L				Quadrangle	Rons Ru	n .
			· · · · · · · · · · · · · · · · · · ·				•
WS.	Potition of the Control of the Contr		*				
COMPANY I	Ridgewood Reso	urces, Inc.		. s. s. t		, i	Cement
	P.O. Box 157.	Reno. Ohio 4	5773	Casing	Used in	Left.	fill up
DESIGNATED	•	vid Clovis		Tubing	Drilling	in Well	Cu. ft.
	0. Box 288, Pa		26101	Size	. ;	S	
	NER William			20-16	:	a diffu	
	t. Marys, WV	•	•	Condi			
		lla bradsiefa	and	13-10"			
•	GHIS OWNER M			9 5/8	1005	1005 1	320 Sx'S
	oute # 2, St.			8-5/8	1095.	1093.	320 32 3
OIL AND G	AS INSPECTOR	P.O. Box 173	KOUELL	-7 -:	•		
	ADDRESS			5 1/2	4133	4133.'	451 Sx'S
	SUED			4 1/2			
· ·	OMMENCED			3	1997 - 100 1998 - 2		
	COMPLETED_		· .	2	•		
IF APPLIC	ABLE: PLUGG S PROGRESSION	ING OF DRY HO	NE OR	Tiners			
CONTINUOU	S PROGRESSION VERBAL PE	RMISSION OBLA	INED	used			ratio
ON			2 .			1	, page 1999
CENT OCTON	L TARGET FOR	MATTON Dev	onian Shale		Dep	th 2487-4	217feet
GEOTIGICA	h of complet	ed well 201	7 feet	Rotary XX	/ Cabl	e Tools_	
Dept	n or compres	this Fresh	feet;	Salt -	feet	The other of the	- Carrier
wate	seam depths		(a	Is coal	being mir	ned in the	area? No
Coar	. seam depuis			•			
OPEN FLOW	DATA	Hur	9 4		- ه	- -	feet
Prod	DATA lucing format	ion Devania	in Shale	Pa	y zone de	3630-	4085 ICCC
Gas:	incing format	en flow 100	Mcf/d	Oil: Ir	itial ope	J ITOM	But/u
	Final oper	flow (8	(s) Mcf/d	1.7	nai open.	LTOW	
	Time	of open flow	between ini	tial and f	inal test	S	ours
Stat	tia mok pres	sure 1190	, psig(surfa	ce measure	ament) aft	er 168, ho	urs shut in
1 4 mm	·	tue to militar	Le completio	n)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		JUN Z1
Con	apprecance of	r formation .	and the second		y zue ue	Pul	
• • • • • • • • • • • • • • • • • • • •	: Initial o		N-E13	Oil: D	nitial ope	n flow	
حمی	Final coe	n flow	Mcf/d	Oil: F	inal open	flow	Bb1/d
<u>.</u>	The second section of the section	of men flo	between ini	tial and	final, test	sh	ours,
C	tic mck pre	COMP	psid(surfac	e measure	ment) afte	r ho	urs shut in

PEVERSE)

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

Selectivity perforated 23 holes from 4085' -- 3630.'K.B. Acidized perforations with 1000 gals. T5.% HCL & 196,000 SCF N $_2$. Clean up well, then frac with 1,304,000 scf N $_2$ at 55,000 scf/m.

WELL LOG

	•				
				MARKS	af all fo
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including in	incation	or arr ir
•			and salt water	er, coal	, oil am
		• •	·		
011 5 1 0 - 0 0 0 0 1	•	270.			·
Unconsolidated Gravel & Sand	0.				
Pittsburgh Coal	275.	280.		•	ू. •
Carroll Sand	308.	360.			
Monongahela Shale	395.	640.			· · ·
Minshall Sand	806.	845.	م هارد در در	noton	arional
Murphy Sand	1017.	1080.	this wife ?		0
First Cow Run Sand	1221.	1248.	Le corre	~	
Second Cow Run Sand	1338.	1390.			
Second Salt Sand .	1484.	1548.			**
Ravencliff Formation?	1618.	1658.		٠	
Third Salt Sand	1794.	. 1810.	 ;: · ·	*** .	` •
Maxton Sand	1820.	1875.			
Big Lime	1884.	1928.		•	
Big Injun Sand	1978.	2128.		Wet	₽ 0 mm (a
weir Sand	2197.	2269.		Tight	
Berea Sand	2480.	2487.	Oil		
Gantz	2488.	2502.			
30' Sand	2757.	2764.		Tight	
Candan Cand I	2875.	2906.	Oil		
Gordon Sand Huran@TD			:		
Total Depth: (217.)					
				• •	
218 7					
1730				-	•
1/00	1				
		·			• •
					.:
					1.
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		٠.	[4:
en e					
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	1	1	ł		•

(Attach separate sheets as necessary)

RIDGEWOOD RESOURCES, INC. .

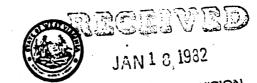
Well Operator

By: Ing & Production Sup

Date: May 19,1983 "REVISED"

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed region of all formations including



DEPARTMENT OF MINES

JAN 1 O H 32 and Gas Division

ALL ARMODES	DIVIGION	
OIL AND GAS WYDERAFTMAN	WELL	RECORD

Rotary X Oil Gas Recycling Comb. X Water Flood Storage Disposal

Quadrangle Bens Run

Permit No. 47-073-1202 1263

Permit No. 47-073-1202 1263				Disposal	(Kind)
Company RIDGEWOOD RESOURCES,	INC.	Casing and	Used in	Left	Cement fill up
Address P.O. Box 157	1/0	Tubing	Drilling	in Well	Cu. ft. (Sks.)
Farm Ella Bradfield # 1	Acres 142				٧
Location (waters) Sugar Creek		Size			
Well No. 1 District Lafayette County P1	easants	20-16 Cond.			
The surface of tract is owned in fee by W Higgins Heirs	illiam	13-10"			
Higgins Heirs		9 5/8			
Address St. Marys, W. Va. 2617	'O ·	8 5/8	1095'	1095'	320 sxs.
Mineral rights are owned by Ella Bradf	ield & Mary	7			
Ann Locke Address Rt. 2, St. Mar	ys, WV 26170	5 1/2	4133'	4133'	451 sxs.
Drilling Commenced 8-24-81		4 1/2		1-7-22	4,2 52.01
Drilling Completed 8-30-81		3			
Initial open flow 100 7 M cu. ft.	2. hblo	2			
Final production 85° Mcu. ft. per day		Liners Used			
Well area 6 has before too	DDI\$.				
Well open 6 hrs. before test	KP.				
Well treatment details:		Attach copy of c	ementing rec	cord.	
Selectively perforated 23					
1085 to 3630' KB. Act	idize perfo	rations wit	h 1000	gals. l	5% HCl €
196,000 scf nitrogen. Cle		, then frac	with 1	,304,000) scf
nitrogen at 55,000 scf/m.	•			·	
				r.D 42	
				T.D 42	07 '
Coal was encountered at	Feet		Incl	nes	
rresh water	-cet	Salt V	Vater		Feet
Producing Sand Devonian Shale	Y	Depth	2487	to T.	D.
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas	or Water	* Remarks
Big Lime	1884	1000		· · · · · · · · · · · · · · · · · · ·	
Big Injun Sand	1978	1928 2128		Wet	
Weir Sand	2197	2269		wet Tig	
Berea Sand	2480	2487	Oil	r T.R	11.0
Gantz	2484	2502			
30 ' Sand	2757	2764		Tig	ht
Gordon Sand	2875	2906	Oil	6	
- Managa				•	

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Big Lime	1884	1928	
Big Injun Sand	1978	2128	Wet
Weir Sand	2197	2269	Tight
Berea Sand Gantz	2480	2487	Oil
30' Sand	2484	2502	
Gordon Sand	2757	2764	Tight
GOLGON DANG	2875	2906	Oil
Total Depth - 4217 '	EU Sh in	n da m	
4217 20.30			
4217 20.40 2487 1730	•	·	
. (NOTE: No logs or s	amples wer	e taken ab	ove these depths.)

FEB 0 1 1982

⁽over)

ORM IV-2 Obverse) GS-78)

TELEPHONE: (304) 348-3092



	Crate	County	n
API Well No.	47	- 073	1263
Operator's Well No. E	lla_	Bradfi	eld#1
Date: Ju	ly l	4, 15	81

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

•		OIL AND G	GAS WELL P	ERMIT			
WELL TYPE:	Oil <u>X</u>	Gas <u> </u>			•		.*
			Inderground	storage	/ Deep/ Si	allow	_/)
LOCATION:					eek		
					Quadrangle: <u>Re</u>		
WELL OPERATO	R L&M Petro	_			GENT David CL		
	P.0. Box 8			Address	P.O. Box 288		
	Reno OH				Parkersburg,	W 261	01
OIL & GAS	•	•			•		
ROYALTY OWN	ER E. Bradfi	eld & M. Loc	-		R None		P
Address	Route 2			Address			
·	St. Marys	WV 26170					***************************************
Acreage	142_acres			COAL OWNER(S)	WITH DECLARATIO	N ON RECO	ORD:
SURFACE OWN	ER <u>Villiam</u>	Higgins Hrs.	·	Name None	D. FPA	1000	
Address	St. Mary	s. WV 26170		Address		2006	5111
			. *			-0	
Acreage	77.5 acr	es		Name	JUL	2 0 1981	
FIELD SALE (II				Address	O11 2	GAS DIVISI	ON
	N/A		5		DEPT.	OF MI	NE5
Approximate (COAL LESSEE W	VITH DECLARATION	ON RECOR	D:
OIL & GAS INS	PECTOR TO BE NO	OTIFIED		Name N	/A		
Name Phil	lip Lee Trac	Y		Address			
	Rt. 23			-			
•	Alma, WV					•	
T1					ation under a deed	/ Janen	¥
	•		- , -				
other contract	/ dated	DE. 1 . 19 7.	i to th	e undersigned wei	l operator from Ella	Bradil	era
IF said deed, le	ase, or other contract	t has been recorded:	:)				
Recorded on Oc	± 22 . 19 7	1, in the office of	the Clerk of	the County Comm	ission of <u>Pleasar</u>	ts_Coun	ty, West
Virginia in	Deed Book 1	.31 at page 54	49 . A p	ermit is requested	as follows:		
PROPOSED W	ORK: Drill X	Drill deeper	_/ Redrill	/ Fractu	re or stimulate	/	
	Plug off old fo	ormation	Perforate ne	ew formation	/		
	Other physical	l change in well (spe	cify)				
	·						
	—planned as	shown on the work o	order on the	reverse side here	of.		
The above nam	ed coal operator, coal	owner(s), and coal les	see are hereb	y notified that any	objection they wish to m	ake or are re	quired to
make by Code \$2	22-4-3 must be filed w	ith the Department o	of Mines with	nin fifteen (15) day	s after the receipt of th	is Applicatio	n by the
Department.							
Copies of this P	ermit Application and	the enclosed plat and	reclamation	plan have been ma	iled by registered mail o	r delive re d by	y hand to
the above named	coal operator, coal ow	mer(s), and coal lesse	e on or befor	re the day of the m	ailing or delivery of this	Permit Appli	cation to
the Department	of Mines at Charleste	on, West Virginia.					
	COPIES OF ALL					and the second	
GEOPHYSICAL 10:	LOGS DIRECTLY	• .		_ L & M	Petroleum Co.		
WEST VIRGINI	A OIL AND GAS				Well Operator	· .	
CONSERVA-	TION COMMIS-			By	donner Co	gan	
1615 WASHINGT	ON STREET EAST			its Vic	e-nresident		
CHARLESTON,	W V 25311	ا هَا فَأَنْ أَنْ لِلْأَيْمِ لِي الْمِثْرِينِ فِي الْمِثْرِينِ فِي الْمِثْرِينِ فِي الْمِثْرِينِ فِي الْمِثْرِ الْمُعَادِّةِ فِي الْمِثْرِينِ فِي الْمِثْرِينِ فِي الْمِثْرِينِ فِي الْمِثْرِينِ فِي الْمِثْرِينِ فِي الْمِثْ	ستولالا فله صد الد			C - way or a	

(08-78)

PROPOSED WORK ORDER

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

DRILLING C	ONTRAC	TOR (II	F KNOW	N) _		N/A			•	
				Ad	ldress					
GEOLOGICA	L TARGE	ET FOR	MATION	,	Dev	onian Sh	ale			
Estimate	ed depth	of comp	leted we	ll,_	4	500 fe	et Rotar	y <u>X</u> / Cal	ble tools	/
Approx	imate wat	er strata	depths:	Fres	h,N	/A fee	t; salt, N	/A feet.		
Approx	imate coa	l seam d	epths:		N/A	Is coa	l being mined	in the area? Yes	/ No	X /
CASING AND	•									
			-	 ,			· · · · · · · · · · · · · · · · · · ·			
					•				· · · · ·	
CASING OR TUBING TYPE	SIZe Size	CIFICAT Grade	Weight Per ft	New	Used		Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	. •
	0.5.40			·				70.1		
Conductor	85/8			X		250'		At Ampero	Kinas	
Fresh Water Coal										-
Intermediate									Sizer	
Production			 -							····
	4.5			X		T.D.	T.D.	150 165 sack	SDepths set	
Tubing							·	Bul 1501		
Liners							<u> </u>		Perforations	
									Тор	Bottom
· .			ingles of the second se							
presc "Rec previ	ribed by lamation l ously paid	r, accomp Regulation Plan'', as on the sa	on 12, or oplicable ame well.	in lie to the the fe	olat in ou the reclai	the form presoned the other mation require ired by Code 6	ribed by Regul security allowed by Code \$ 2 22-4-12a and (ar copies of Form IV-2 lation 11, (ii) a bond in ved by Code § 22-4-2 (2-4-12b and Regulation) if applicable, the collect of the proposed	n one of the forms , (iii) Form IV-9 on 23, (iv) unless	•
A s be pa	eparate Fo	orm Iv-2 s	hall not b	e requ	iired fo	or fracturing or	stimulating a v	well where fracturing of Form IV-2 filed in con	or stimulating is to	
THIS PERM							as sacir on the	rorm 14-2 med in con	nection therewith.	•
	**									
All province of the W.	ons being Va. Cod	n in acc le, the k	produce ocalion is	herel	о <mark>д а</mark> БЕ Спари	proved				
	illing		•			opire if				
operations	have not	commer	ced by_	3-20	72					
J-24	2	سكلا	Le	<u>M</u>						
Deputy	Director	- Oil & (Gas Divis	ion						•
· . · ·		•								
**********	********	• • • • • • • •	*******	•••••	•••••	******		******************		•••••••
The fi	ollowing w	ziver mu der Code	ist be com 22-4-2	pieted 0, if t	i by the	e coal operator mit is to be i	and by any coal	owner or coal lessee tifteen (15) days of re	who has recorded ceipt thereof.	A ,
•						WAIV	ER			
The undersigned	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. In 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.									
.										
D			•				_			