



WR-35

FEB 2 1 1986,

State of Mest Airginia

DEPARTMENT OF ENERGY Gil und Gas Bivision

Date_	February 17	7. 1986				
Date February 17, 1986 Operator's						
Well No. Emch #3						
	Hattie Emo	·ħ				
	0.47 = 103	- 1360				

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil x / Gas x / Liquid Injection (If "Gas," Production x / Underground	/ Wast nd Storag	e Disposal e/ Deep	/ / Sha	11cw/)
LOCATION: Elevation: 1256 Watershed Hay	nes Run			
District: Proctor County Wetze	1	Quadrangle	New Mart	insville 7.5'
D10C1200			•	
COMPANY Clay Resources, Inc.		·		Coment
ADDRESS 204 Union Square, Marietta, OH 45750	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Andy Brown	Tubing	Drilling	in Well	Cu. ft.
ADDRESSBox 32, Reader, WV 26167	Size			
SURFACE OWNER Hattie Emch 532 Briarcliff Court	20-16 Cond.			
ADDRESS New Martinsville, WV 26155	13-10"			
MINERAL RIGHTS OWNER SAME	9 5/8			
ADDRESS	8 5/8		1477	370 Sx
OIL AND GAS INSPECTOR FOR THIS WORK Robert General Delivery	7			
Lowther ADDRESS Middlebourne, WV	5 1/2			
PERMIT ISSUED 8-20-85	4 1/2		2994	200 Sx
DRILLING COMMENCED 9-12-85	3			
DRILLING COMPLETED 9-15-85	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Gordon		Dej	oth 3500	feet
Depth of completed well 3000 feet	Rotary	x / Cab	le Tools_	
Water strata depth: Freshfeet;	Salt 22	35 fee	t	
Coal seam depths: 1046	_ Is coal	L being mi	ned in th	e area? No
OPEN FLOW DATA				
				840 feet
Gas: Initial open flow 30 Mcf/d	Oil: I	nitial ope	n flow	0 Bbl/d
Final open flow 20 Mcf/d				
Time of open flow between ini	tial and	final test	s 72 1	10UIS
Static rock pressure 320 psig(surfa	•	ement) aft	er_/2_h	ours shut in
(If applicable due to multiple completion	n)	_	. •	£
Second producing formation_	P	ay zone de	pth	Ieet
Gas: Initial open flow Mcf/d	Oil: I	nitial ope	en flow	BD1/d
Final open flow Mcf/d	Oil: F	rinal open	flow	BDT\q
Time of open flow between in	itial and	final test	ts	nours
Static rock pressurepsig(surface	ce measure	ement) afti	er n	AR 3 1986
		(Con	tirue on	reverse side

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

PERFORATIONS: 12 Shots:

2816-2831^T 2953-2954

2 Shots:

FRACTURING: 9/20/85 - Foam Frac: Broke @ 2700#: ISP-2030#: 40,000# 20/40: 483,000 SCF, N₂:

WELL LOG

WELL ING							
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and gas				
Sand & Shale Shale & Limestone Shale, Limestone, Redrock Shale, Limestone Shale Sand & Shale Sand Sand & Shale Shale	0 500 1284 1350 2100 2500 2550 2600 2750	500 1284 1350 2100 2500 2550 2600 2750 3000	Weir: 2378-2394 Squaw: 2424-2436 1st Berea: 2573-2582 2nd Berea: 2584-2592 Gordon: 2824-2840				

(Attach separate sheets as necessary)

	AY RESOURCES, INC.	
	11 Operator	/ /
Ву:	Sandra & Seh.	V.President,Operation
Date:	February 17, 1986	

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 that, encountered in the drilling of a well."

AUG - 2 1985



1)	Date:		₁₉ 85
2)	Operator's	Fmch #3	19

103 -1360 Permit 3) API Well No. 47
State

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

4)	WELL TY									
		В (If "Gas",	Production	n	Х	/ Underground	storage	/ Deep	_/ Shallow/)
5)	LOCATIO	N: El	evation: _	1230	<u> </u>		Watershed: _	<u> Haynes Run</u>		
		Di	strict:	Proc	tor f	70	County:	Wetzel	Quadrangle: N	ew Martinsville 7.
6)	WELL OP	ERATOR	Clay	Kesour	ces(I	LK GODE	: <u>10025</u>	7) DESIGNATED	Quadrangle: N AGENT <u>Andre</u>	w C. Brown
	Address		<u> 204 U</u>	nion S	quare	<u> </u>		Address	Box 3	
_				tta, 0		5750			Reade	r, WV 26167
	OIL & GAS							9) DRILLING CO		
ì	Name							Name	Unknow	n
	Address					7		Address		
		•				V 261	49			
10)	PROPOSE	D WELL	WORK:			_/ Drill	deeper	/ Redrill	/ Stimulate	X/
								rate new formation_		
				Other p	hysical	change in w	vell (specify)			
	GEOLOGI						419			
1	2) Estima	ted depth	of complet	ed well,		3500	feet			
1	3) Approx	ximate tra	ta depths:	Fresh,		550	feet; salt	500	feet.	
					900	- 1000	Is co	al being mined in the	area? Yes	/ NoX /
15) (CASING A	ND TUB	ING PRO	GRAM						
	NG OR		SPEC	IFICATIONS Weight	S	1	FOOTAGE 1	INTERVALS	CEMENT FILLUP	PACKERS
		Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conduc	tor									Kinds
Fresh w	vater	8 5/8					1030' '	1030'	CTS	Per rule 15.05
Coal										Sizes
Interme	diate									-
Produc	tion	4 1/2					3500'	3500'	500 + SKS	Depths set 15.01
Tubing									- MV 1 5:35	Deptilis act 13.01
Liners										Perforations:
										Top Bottom
									<u> </u>	
										•
						OI	FICE USE (ONLY		
							RILLING PE			
ermit	number	47-	.102_1	260						
CIIIII			100	LJ00						igust 20 19 85
his p	ermit cover	ing the w	ell operato	r and well	locatio	n shown he	low is evidence o	of manufacture	Date	
		t to the co	Maintions C	Olitaliica I	ici ciii ai	nu on me le	ACT 2C TICLEOF V. **	: : :		
). 8) F istrict	rior to the	construct	ion of road	ds, location	ns and p	oits for any	permitted work.	In addition, the we	ll operator or his conf	and Gas Inspector, (Refer to tractor shall notify the proper
	on and ga	s mapeero	24 110013	octore ac	iuai pei	initied work	nas commence	1.)		
he pe	rmitted wo hereof.	rk is as de	scribed in	the Notice	and A	pplication, p	olat, and reclama	ition plan, subject to	any modifications ar	nd conditions specified on the
	expires			20, 19						
C. IIII	expires						unless well	work is commenced p	prior to that date and p	prosecuted with due diligence.
Γ						 				
Bo	nd:	Agent	: P	lat:	Casir	ng Fe	e WPCE	S&E/ C	ther	
1		1	ch h	nill	่วว	/ 8Z	3			1
L			011	<i>/</i> N //						1
								K	1)-121.1	V .
OTE:	Keep on	e copy of	this permi	t posted a	the dri	illing location	on.		- Jun 70	
							דת		sion of Oil	and Gas
			See 1	the reverse	side of	the APPLI	CANT'S COPY	for instructions to t	he well operator.	