



rv-35 Rev 8-81)

Sinie of Mest Birginia

Bepartment of Mines Gil und Cas Bivision

Date_ Opera Well	tor	's					_
Farm							_
API N	lo.	47 •	_	103	<u>- 13</u>	382	-

WELL OPERATOR'	s report		CED	30 1000
OF DRILLING, FRACTURING AND/OR STIMU	LATING, OR	PHYSICAL	CHANGE	acaus
WELL TYPE: Oil $X$ / Gas $X$ / Liquid Injection (If "Gas," Production $X$ / Underground	/ Waste ind Storage	Diemeal	DEPARTME	INT OF LINE, IS
LOCATION: Elevation: 1182 Watershed Wil	liams Run	\	. N W	tineville
District: Magnolia County Wetze	L	Madrangle	New Mar	CTHOATTE
COMPANY CLAY RESOURCES, INC.				10
ADDRESS 286 Front St., Marietta, OH 45750	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Andy Brown	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Box 32, Reader, WV 26167	Size			
Ann C. Sands etal	20-16			
ADDRESS P.O.Box 2511, Sandusky, OH 44870	Cord			
MINERAL RIGHTS OWNER SAME	9 5/8	1		
•	8 5/8	1447	1447	370 SKS
OIL AND GAS INSPECTOR FOR THIS WORK 26426	7	·		
Mike Underwood ADDRESS Rt.#2, Box 135 Salem WV	5 1/2			
PERMIT ISSUED February 7, 1986	4 1/2	2856	2856	200 SK <b>S</b>
DRILLING COMMENCED APTIL 17, 1986	3			
DRILLING COMPLETED April 22, 1986	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			·
CN		De	<b>pth</b> 3100	fee
GEOLOGICAL TARGET FORMATION GORDON  Depth of completed well 2950 feet	Rotary 3			
Depth of completed well 2930 feet	• Salt 21	 62 fee	et	
Water strata depth: Fresh feet Coal seam depths: 972	Is coa	l being m	ined in t	he area? NO
Coal seam depths: 972				
OPEN FLOW DATA	_	lane sama A	enth 2750	<u>-2780</u> fee
Producing formation GORDON		ay zone o	en flou	0 Phl
Gas: Initial open flow 35 Mcf/d	Oil: ]	nitial op	er rrow_	0 Bbl
Final open flow 30 Mcf/6	,	tinal open	72	hours
Time of open flow between in	nitial and	Inai es	ter 72	hours shut
Static rock pressure 320 psig (sur (If applicable aus to multiple complete				
Second producing formation	P. 043 - T	nitial and	n flæ	Bb1/6
MCI/C	1 01111 1	incian ob-		
Final mon flow McI/C	Oil: F	That oben	TTOW	
min as mon flow between it	nitial and	Inal res		
Static rock pressurepsig(surf	ace measure	aistic) atu	· · · · · · · · · · · · · · · · · · ·	

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

PERFORATED: 20 HOLES: 2754 - 2776

FRAC'D: FOAM FRAC: Broke @ 2700: ISP 1450: 400 SKS 20/40 Sand: N2 - 483,000 SCF.

## WELL LOG

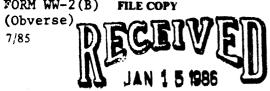
MATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
SAND: SS: LIMESTONE	0	2400	. <u>.</u>
SANDSTONE: LIMESTONE: ROCK	2400	2550	Berea: 2506-2512
SANDSTONE: SHALE	2550	2950 +D-	Gorden: 2750 - 2780
	·		•
•			\$ · · · · · · · · · · · · · · · · · · ·

(Attach separate sheets as necessary)

CLAY R	ESOURCES, INC.
Wel	1 Operatur
By:	Jean Kellering
Date:	September 10, 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 of a well."





1)	Date: Jan	uary	13		, 86
2)	Operator's Well No	Jack	F :		
3)	API Well No.			03 -1382	
		State		County	Permit

## STATE OF WEST VIRGINIA -

DIVISION OF OIL & DAYSARTMENT OF ENERGY, OIL AND GAS DIVISION DEPARTMENT OF ENERGY APPLICATION FOR A WELL WORK PERMIT

5) LOCATI				as					
5) LOCATI	В	(If "Gas",	Productio	on <u>X</u>		Underground	storage	_/ Deep	_/ Shallow/)
.,		evation: _				Watershed: _			
() WELLO		istrict:			70 copp		Wetzel	Quadrangle:	New Martinsville
						10023	7) DESIGNATED		Brown
Addre	<b>S</b> S	204 I		•		<del></del>	Address	Box 3	
9) OU & C	AC INCDE		-	OH 45	1/30	···			er, WV 26167
8) OIL&G	Don		BE NOT	FIED			9) DRILLING CO		
Addre		Crab	Annle	Lane			NameU	nknown	
Addic		rmont,					Address		
• •									<del>\</del>
0) PROPOS	ED WELL	WORK:		<u>X</u> /			/ Redrill		<b>4</b> /
							rate new formation_		
1) GEOLOG	CAL TAI	CET FOR							
	nated depth								
12) Estin	oximate tra	or complet	Encel	246	, 27 '	feet	<u>2161'</u>		
14) App	oximate tra	al seem de	riesii, _	972'					
וקקה (דנ S) CASING				712		1s cc	al being mined in the	area? Yes	/ NoX
CASING OR	H		CIFICATION	ıe	ě.	TOOT LOT		_	t.
TUBING TYPE		1	Weight	1 .			INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Conductor	9 5 /6	,	<del> </del>	╂┼-	本	512	* 5/2	CTS KU	LEG / 5.05
resh water	8 5/8	5	<del> </del>			L382'	1382'	CTS	Per rule 15.05
oal	<del> </del>	<del> </del>		1					Sizes
ntermediate	1 110		<del> </del>	+					
roduction	4 1/2	<del></del>		+	— pbi	or. 3100'	appr. 3100'	500 + SKS	Depths set Per rule 1
ubing	+		-	<del>                                     </del>					
inc. s	12	1 1/1/	7	= 7					Perforations:
		TALL U	7	E R	RIK				Top Bottom
	17 (	<del></del>							
	IF	FRE	PH X	TO THE	V 112				
	IF	<del></del>	THY W	PEI					
	IF IF	<del></del>	UNTI	REI					
	IF.	<del></del>	SH W	REI		FICE LISE			
	IF.	<del></del>	SH W	PEI	OF	FICE USE			
	IF	<del></del>	SH W	PEI	OF	FICE USE (			
rmit number	47-	FRE	uni	PEI	OF			Fe	bruary 7 19 86
		FRE ENCO	382	PET	OF DR	ILLING PE	RMIT	Date	e
nis <b>pe</b> rmit cov	ering the v	FRE	382	Il location	OF DR	ILLING PE	RMIT	Date	e
nis permit cov	ering the v	ENCE	382	Il location	OF DR shown bel	Ow is evidence verse hereof No.	RMIT  of permission granted	Date to drill in accordance	e ce with the pertinent legal re
nis permit cov tirements sub (8) Prior to t	vering the viject to the construction	ENCE	382 or and welcontained ds. location	ll location herein and	OF DR	Ow is evidence verse hereof No.	RMIT  of permission granter ification must be give In addition, the we	Date to drill in accordance	e
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