

IV-35 (Rev 8-81)

W.	CEIVE D AUG 2 1 1986	
	AUG 21 1986	(

State of Mest Wirginia

Bepartment of Mines

Date August 4, Operator's	
Well No. Horner	
API No. 47	

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

Wil und Was Bivision

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

v X Liquid Injection	n /W	aste	Disposal	_/	
EIL TYPE: $0il^{X}$ / $Gas^{X}$ / Liquid Injection (If "Gas," Production X / Undergroup)	und Sto	rage	/ Deep	/ Shall	L10W/1
OCATION: Elevation: 1263 Watershed H	Proctor	Cree		New Mart	insville
OCATION: Elevation: 1263 Watershed District: Proctor County Wetze	el	0	nagrangie	New Har	
				•	
COMPANY Clay Resources, Inc.	<u> </u>		Used in	Left	Cement
ADDRESS 286 Front St., Marietta, OH 45750	Caşi		Drilling		fill up Cu. ft.
DESIGNATED AGENT Andy Brown	Tubi		DLITTING	III WCII	
ADDRESS Box 32, Reader, WV 26167	Size 20-1				
CURENCE CHNER Woodrow Horner	Corri			· .	
ADDRESS P.O.Box 3, Proctor, WV 26055	13-1	0"			
MINERAL RIGHTS OWNER SAME	9 5	/8			
ADDRESS	8 5	/8	1570	1570	370 SKS
THE WORK DON	7		•		
CIL AND GAS INSPECTOR FOR THIS 2604 Crab Apple Lane Fairmont, WV 26554	5 1				
PERMIT ISSUED March 13, 1986	4 1		2937	2937	250 SKS
DRILLING COMMENCED May 1, 1986	3				
DRILLING COMPLETED May 4, 1986					
IF APPLICABLE: PLUGGING OF DRY HOLE ON	<del>-</del>				
COMPANDE PROCESSION FROM DRILLING OR		ers			
REWORKING. VERBAL PERMISSION OBTAINED	us	sed		,	
CN	<u> </u>		D.	pth 3100	fee
GEOLOGICAL TARGET FORMATION Gordon					
porth of completed well 2956fee	t Rota	ry	x Car	ite imis	
fee to the feet	t: Sal	<b>t</b> 22	43	; L	
Water strata depth: FreshCoal seam depths: 1053	Is	; coa	1 being m	ined in t	the area: No
			•		
OPEN FLOW DATA		Þ	av zone d	epth <sup>2832</sup>	-2850 <b>f</b> e
Producing formation Gordon  Gas: Initial open flow 30 Mcf/	/a 0i		nitial op	en flow	0 Pbl
Gas: Initial open flow 30 MCI/ Final open flow 25 Mcf/	ra or.	1. 1	cinal open	flow	0 Bbl
Final open flow (25) MCI	/a		final too	+s 72	hours
Time of open flow between:	initiai	an	LIMIL CO	72	hours shut
Static rock pressure 330 psig(sur (If applicable aue to multiple complete	rface m	easw	renenc) a		foot
		P	ay zone de	pcn	Ph1 /
MC1 /	/() U				
minal man flow MCf.	/d 01.	L: F	TIMI OF		
flow hoteron	initial	and	Ilnai tes		
Static rock pressurepsig(sur	face me	asure	ment) aft	er!	ours snut 1
Commence of the second			(Con	tirue on	reverse sid

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

PERFORATED: 20 Holes: 2817 - 2837 Gordon

FRAC: 75% FOAM: Broke @ 2200#: ISP 2200#: 20/40 sand 400 SKS:

N2 424,000 SCF

## WELL LOG

RMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of and salt water, coal, o	E all fresh
Sand, Sandstone, Limestone	0	1900		: 2
Sandstone	1900	2200	Big Injun	1 .
Sand, Shale	2200	2550		ì
Sand	2550	2650	1st Berea: 2584-2593	•
			2nd Berea: 2598-2604	: <b>)</b>
Shale, Sandstone	2650	2750		
Shale	2750	2956	Gordon: 2832-2846	ì
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(Attach separate sheets as necessary)

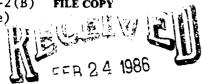
CLAY RESOURCES, INC.	
Well Operator	
By: Jun Keller	ing
Date: August 19, 1986	

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 in the drilling of a well."

FORM WW-2(B) FILE COPY (Obverse)

•7/85





1) Date: Febru	uary 18		86 و ا
2) Operator's Well No	Horner	#4	
3) API Well No.	47	103 -1:	386
	State	County	Permit

## DIVISION OF OIL & GAS STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY THENT OF ENERGY, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

					/				
	<b>B</b> (I	f <b>''Ga</b> s'', i	Production	n <u>X</u>	· •	_/ Underground	storage	_/ Deep	_/ Shallow/)
District: Proctor County: Wetzel Quadrangle: New Martin									
						County: We	tzel	Quadrangle: $N$	ew Martinsville
	ERATOR_	O/ Umi	cesoure	esi	E CODE	:: <u>10025</u>		AGENT Andy	
Address			ion Squ a, OH		50		Address	Box 3	
OU & CA					<u> </u>	-	a. ====================================		r, WV 26167
OIL & GA		-		FIED			9) DRILLING CO		
Address				10 I	ane			own	
Addiess			it, WV				Address Address		
PROPOSE						<b>.</b>	/ <b>D</b> 133		V
I KOI OSL	D WELL V	NOKK.					/ Redrill rate new formation_		<b></b>
						well (specify)			
GEOLOGI	CAL TAR	GET FOR				Gordon 410			
12) Estima						fect			
							t. 2242'	feet.	
14) Appro	ximate coal	seam der	ths:	1063		•			/ NoX /
CASING A								103	/ 110/
ASING OR	1	SPEC	IFICATIONS	5	11	FOOTAGE	INTERVALS	II CEMENT FILL-UP	PACKERS
UBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	ACRERS
ductor							221112 444	(Cask leet)	Kinds
h water	8 5/8					1463'	1463'	CTS	Per rule 15.05
]							1	010	Sizes
rmediate									Jaco
duction	4 1/2				3	100' appr.	3100' appr.	500 + SKS	Depths set Per rule 15
ing									101 101 1
									Perforations:
									Top Bottom
	<b> </b>								
						OFFICE USE			
					E	RILLING PE	ERMIT		
	47	103-1	386					М	arch 13 19 86
mit number_	41-								
mit number_	41							Da	ıc
s permit cove	ring the we	ll operato	or and wel	locatio	n shown l	pelow is evidence	of permission grante	d to drill in accordan	ace with the pertinent legal ro
s permit cove	ring the we	ell operato	or and well	l location	on shown l	pelow is evidence reverse hereof No	of permission grante	d to drill in accordan	ace with the pertinent legal ro
s permit cove rements subje B) Prior to the	ering the we	onditions of roa	contained l ds, locatio	herein a ns and i	ind on the	pelow is evidence reverse hereof No y permitted work ork has commence	tification must be giv In addition, the we	d to drill in accordan	
s permit cove ements subje B) Prior to the rict oil and ga	ering the we cot to the co e constructi as inspector	onditions of ion of roa r 24 hours	contained described descri	herein a ins and i itual per	ind on the pits for an rmitted wo	reverse hereof No y permitted work ork has commence	tification must be giv In addition, the we ed.)	d to drill in accordar en to the District Oil ell operator or his cor	and Gas Inspector. (Refer to attractor shall notify the proper
s permit coverements subjection of the rict oil and garage	ering the we tect to the co e constructi as inspector ork is as de	onditions of roa r 24 hours scribed in	ds, locations before ac	herein a ons and ctual per e and A	ind on the pits for an rmitted wo	reverse hereof No y permitted work ork has commence	tification must be giv In addition, the we ed.)	d to drill in accordar en to the District Oil ell operator or his cor	ace with the pertinent legal ro
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