

IV-35 (Rev 8-81)			V	
	-	, J 13	1984	



### State of West Wirginia

Bepartment of Mines Gil und Gas Bivision

Date	December 3, 1984
Operato	or's
Well No	#1 (Samantha)

Farm Yost Heirs(Fur, Finn&Feather) API No. 47 - 103 - 1313

OIL & GAS DIVISION DEPT. OF MINES

WELL OPERATOR:	S REPORT		-50	15[[] []
WELL OPERATOR OF OF DRILLING, FRACTURING AND/OR STIMU	LATING, O	R PHYSICAL	to lite	
			W	1AN 9 -
WELL TYPE: Oil / Gas x / Liquid Injection  (If "Gas," Production x / Undergrou  LOCATION: Elevation: 1260' Watershed H.  District: Magnolia County Wetz	/ Wast nd Storag	e Disposal e/ Deep	L/ D/ SAB	LIOW CASE
LOCATION: Elevation: 1260' Watershed H	aynes Run		DE.	
District: Magnolia County Wetz	e1	Quadrangle	New Mar	tinsville
COMPANY Clay Resources, Inc.		<b>~</b>		[Company]
ADDRESS 204 Union Square	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Steve Kuhl	Tubing	Drilling	in Well	Cu. ft.
ADDRESS 1004 41st Street, Vienna, W. Va.	Size			
SURFACE OWNER Wetzel County Fur, Finn & Feather	20-16 Cond.			
ADDRESS 350 Pike St., New Martinsville, W. Va.	13-10"	500'	0	
MINERAL RIGHTS OWNER Yost Heirs	9 5/8			
ADDRESS New Martinsville, W. Va. & others	8 5/8	1450'	1450'	CTS
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7			
Lowther ADDRESS General Delivery Hiddlebourne, W. Va.	5 1/2			
PERMIT ISSUED 9/24/84	4 1/2			
DRILLING COMMENCED 10/6/84	3			
DRILLING COMPLETED 11/27/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	T:			
REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON				
GEOLOGICAL TARGET FORMATION Injun		Dep	th 2300	feet
	Rotary	/ Cabl	e Tools_	XX
Water strata depth: Fresh 185 feet;	Salt_N	I/A feet	:	
Coal seam depths: 583-590, 942-949	_			e area? NO
OPEN FLOW DATA				
Producing formation Keener Sand	Pa	v zone der	oth 221	5 feet
Gas: Initial open flow 160 Mcf/d				
· · · · · · · · · · · · · · · · · · ·				0 Bb1/d
Time of open flow between init	well_	_		
Static rock pressure 650 psig(surfac				
(If applicable due to multiple completion				
Second producing formation N/A	Pa	y zone dej	oth	feet
Gas: Initial open flow Mcf/d				Bbl/d

Final open flow Mcf/d Oil: Final open flow

Time of open flow between initial and final tests\_\_\_\_

hours

Bbl/d

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

No perforations, fractures, stimulations etc. Natural well.

WELL LOG

Yellow Clay			1	REMARKS
Yellow Clay			DOWNON FIRM	
Yellow Clay         0         15           Gray Shale         15         53           Red Shale         53         73           Gray Shale         73         168           Limestone         168         175           Red Shale         175         182           Gray Shale         182         195         Water           Red Shale         195         210         Company         Water	FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
Gray Shale     15     53       Red Shale     53     73       Gray Shale     73     168       Limestone     168     175       Red Shale     175     182       Gray Shale     182     195     Water       Red Shale     195     210     Gray Shale     215     233     240       Gray Shale     233     240     250     253     253     254       Sandstone     240     250     253     255     255     255     253     284       Gray Shale     250     253     255     300     250     253     255     253     255     300     266     260 <td>Yellow Class</td> <td></td> <td>15</td> <td>an sait water, coar, our am gas</td>	Yellow Class		15	an sait water, coar, our am gas
Red Shale     53     73       Gray Shale     73     168       Limestone     168     175       Red Shale     175     182       Gray Shale     182     195       Red Shale     195     210       Gray Shale     210     215       Red Shale     215     233       Gray Shale     233     240       Sandstone     240     250       Gray Shale     253     255       Red Shale     255     300       Red Shale     300     310       Gray Shale     300     310       Gray Shale     380     405       Red Shale     367     380       Gray Shale     380     405       Red Shale     405     440       Gray Shale     450     465       Red Shale     450     465       Gray Shale     485     490       Sandstone     490     515       Gray Shale     515     545       Limestonw     545     550       Gray Shale     590     668       Dark Gray Shale     668     672       Gray Shale     668     672       Gray Shale     770     795				
Gray Shale     73     168       Limestone     168     175       Red Shale     175     182       Gray Shale     182     195     Water       Red Shale     195     210     Water       Gray Shale     210     215     Red Shale     215     233       Gray Shale     233     240     250     253     255       Gray Shale     250     253     255     253     255     300     Red Shale     255     300     367     380     360				
Limestone Red Shale Gray Shale Red Shale 195 Red Shale 195 Red Shale 195 Red Shale 195 Red Shale 210 Gray Shale 210 Red Shale 210 Sandstone 240 Sandstone 240 Sandstone 240 Sandstone 250 Gray Shale 255 Red Shale 255 Red Shale 300 Red Shale 310 Gray Shale 310 Gray Shale 310 Gray Shale 310 Gray Shale 367 Red Shale 367 Red Shale 367 Red Shale 367 Red Shale 367 Gray Shale 380 Gray Shale 380 Gray Shale 405 Red Shale 405 Red Shale 405 Sandstone 450 Red Shale 440 Gray Shale 450 Sandstone 450 Red Shale 465 Red Shale 465 Gray Shale 515 Gray Shale 515 Gray Shale 515 Gray Shale 545 Gray Shale 550 Gray Shale 570 Gray Shale 668 Dark Gray Shale 668 770 Gray Shale 770 795 Sandstone 775 Sandstone			B	
Red Shale       175       182       195       Water         Red Shale       195       210       215       Red Shale       210       215       215       233       240       250       253       240       250       253       240       250       253       250       253       250       253       255       253       255       253       255       253       255       300       300       310       367       380       310       367       380		1		
Gray Shale     182     195     210       Gray Shale     210     215     216       Red Shale     210     215     223       Gray Shale     233     240     230       Sandstone     240     250     253       Gray Shale     250     253     255       Red Shale     255     300     310       Gray Shale     310     367     380       Gray Shale     380     405     440       Red Shale     405     440     450       Red Shale     440     450     465       Red Shale     465     485     485       Gray Shale     485     490     515       Sandstone     490     515     545       Limestonw     545     550     583       Coal     583     590     668       Dark Gray Shale     590     668       Dark Gray Shale     668     672       Gray Shale     760     770       Red Shale     770     795       Sandstone     795     810       Gray Shale     810     850		i .	4	
Red Shale       195       210         Gray Shale       210       215         Red Shale       215       233         Gray Shale       233       240         Sandstone       240       250         Gray Shale       250       253         Red Shale       253       255         Gray Shale       300       310         Red Shale       300       310         Gray Shale       367       380         Gray Shale       380       405         Red Shale       405       440         Gray Shale       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       795       810         Gray Shale       79				**************************************
Gray Shale       210       215         Red Shale       215       233         Gray Shale       233       240         Sandstone       240       250         Gray Shale       250       253         Red Shale       253       255         Gray Shale       300       310         Red Shale       367       380         Gray Shale       380       405         Red Shale       405       440         Gray Shale       440       450         Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	•	1	1	water
Red Shale       215       233       240         Sandstone       240       250       250         Gray Shale       250       253       255         Red Shale       253       255       300         Red Shale       300       310       367         Red Shale       310       367       380         Gray Shale       380       405       405         Red Shale       405       440       450         Gray Shale       440       450       465         Sandstone       450       465       485         Gray Shale       485       490       515         Gray Shale       515       545       550         Gray Shale       515       545       550         Gray Shale       550       583       590         Gray Shale       590       668       672         Gray Shale       672       760       760         Red Shale       770       795         Sandstone       795       810         Gray Shale       810       850		1		
Gray Shale       233       240         Sandstone       240       250         Gray Shale       250       253         Red Shale       253       255         Gray Shale       300       310         Red Shale       300       310         Gray Shale       380       405         Red Shale       405       440         Gray Shale       440       450         Sandstone       450       465         Red Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       668       672         Gray Shale       670       770         Red Shale       760       770         Gray Shale       795       810         Gray Shale       810       850		1	•	
Sandstone     240     250       Gray Shale     250     253       Red Shale     255     300       Gray Shale     300     310       Red Shale     310     367       Red Shale     367     380       Gray Shale     380     405       Red Shale     405     440       Gray Shale     440     450       Sandstone     450     465       Red Shale     465     485       Gray Shale     485     490       Sandstone     490     515       Gray Shale     515     545       Limestonw     545     550       Gray Shale     583     590       Gray Shale     590     668       Dark Gray Shale     668     672       Gray Shale     760     770       Red Shale     770     795       Sandstone     795     810       Gray Shale     810     850		•		
Gray Shale     250     253       Red Shale     255     300       Gray Shale     300     310       Gray Shale     310     367       Red Shale     367     380       Gray Shale     380     405       Red Shale     405     440       Gray Shale     440     450       Sandstone     450     465       Red Shale     465     485       Gray Shale     485     490       Sandstone     490     515       Gray Shale     515     545       Limestonw     545     550       Gray Shale     550     583       Coal     583     590       Gray Shale     590     668       Dark Gray Shale     668     672       Gray Shale     760     770       Red Shale     770     795       Sandstone     795     810       Gray Shale     810     850	<u> </u>	1		
Red Shale       253       255         Gray Shale       300       310         Gray Shale       310       367         Red Shale       367       380         Gray Shale       380       405         Red Shale       405       440         Gray Shale       440       450         Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       583       590         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850			l .	
Gray Shale       255       300         Red Shale       300       310         Gray Shale       310       367         Red Shale       367       380         Gray Shale       380       405         Red Shale       405       440         Gray Shale       440       450         Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       668       672         Gray Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850				
Red Shale       300       310         Gray Shale       310       367         Red Shale       367       380         Gray Shale       380       405         Red Shale       405       440         Gray Shale       440       450         Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       672       760         Red Shale       770       795         Sandstone       795       810         Gray Shale       810       850				
Gray Shale       310       367         Red Shale       367       380         Gray Shale       380       405         Red Shale       405       440         Gray Shale       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850		1	1 -	
Red Shale       367       380         Gray Shale       380       405         Red Shale       405       440         Gray Shale       440       450         Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Red Shale	1 .		
Gray Shale       380       405         Red Shale       405       440         Gray Shale       440       450         Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       668       672         Gray Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Gray Shale	310	367	
Red Shale       405       440         Gray Shale       440       450         Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       760       770         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Red Shale	367	380	
Gray Shale       440       450         Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Gray Shale	380	405	
Sandstone       450       465         Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       668       672         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Red Shale	405	440	
Red Shale       465       485         Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       668       672         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Gray Shale	440	450	
Gray Shale       485       490         Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       668       672         Gray Shale       668       672         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Sandstone	450	465	
Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Red Shale	465	485	
Sandstone       490       515         Gray Shale       515       545         Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Gray Shale	485	490	
Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850		490	515	
Limestonw       545       550         Gray Shale       550       583         Coal       583       590         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Gray Shale	515	545	i
Coal       583       590         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Limestonw	545	550	
Coal       583       590         Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850	Gray Shale	550	583	
Gray Shale       590       668         Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850		583	590	
Dark Gray Shale       668       672         Gray Shale       672       760         Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850		590	668	
Gray Shale     672     760       Red Shale     760     770       Gray Shale     770     795       Sandstone     795     810       Gray Shale     810     850		668	672	
Red Shale       760       770         Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850			760	
Gray Shale       770       795         Sandstone       795       810         Gray Shale       810       850		1	770	
Sandstone         795         810           Gray Shale         810         850				
Gray Shale 810 850		•	T .	
			•	
Red Shale 850 857				
Gray Shale 857 942				i

(See Attached) (Attach separate sheets as necessary)

> Clay Resources, Inc. Well Operator Sandra L. Schafer, Manager Date: 12/3/84

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 weal, encountered in the drilling of a well."

Samantha #1 Well - Magnolia District, Wetzel County API #47-103-1313 12/3/84

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FORMATION COLOR	HARD/SOFT	TOP FEET	BOTTOM FEET	REMARKS
Coal		942	949	
Gray Shale		9 <b>49</b>	1095	
Red Shale		1095	1118	
Gray Shale		1118	1165	
Red Shale		1165	1235	
Gray Shale		1235	1325	
Limestone		1325	1328	
Gray Shale		1328	1351	
Sandstone		1351	1360	
Gray Shale		1360	1400	
Sandstone		1400	1415	
Gray Shale		1415	1480	
Red Shale		1480	1525	
Gray Shale		1525	1550	
Sandstone		1550	1585	
Limestone		1585	1630	
Sandstone		1630	1650	
Dark Gray Shale		1650	1652	
Gray Shale		1652	1680	
Sandstone		1680	1730	
Dark Gray Shale		1730	1850	
Sandstone		1850	1875	
Dark Gray Shale		1875	1900	
Sandstone		1900	1975	Maxon #1
Gray Shale		1975	2065	
Sandstone		2065	2075	Maxon #2
Gray Shale		2075	2125	
Limestone		2125	2200	Big Lime
Sandstone		2200	2220	Keener GAS
			TD.	



OIL & GAS DIVISION (Rev 8-81 DEPT. OF MINES



## State of Mest Airginia Bepartment of Mines

Gil und Gas Zivision

Date_	June	11.	1985		
Opera	tor's				
Well !	No	#1	(Samai	ntha)	
Farm	Yost I	leirs	(Fur	, Fint	<u>1 &amp;</u>
ADT N	0.47	- 10	)3 -	1313	Feathe



WELL OPERATOR'S REPORT

METIT	OFTENDION	J	
	OF		

WELL TYPE: Oil X / Gas X / Liquid Injection	- / Wast	e Dismosal	/	11 <i>a.</i> ; /)
WELL TYPE: Oil x / Gas x / Liquid Injection (If "Gas," Production x / Undergro	und Storag	ge/ Deep	/ Sna.	TTOW
LOCATION: Elevation: 1260' Watershed H	laynes Run			
District: Magnolia County Wet	zel	_Quadrangle	New Mart	insville
COMPANY Clay Resources, Inc.		<del></del>		Cement
ADDRESS 204 Union Square	Casing	Used in		fill up
DESIGNATED AGENT Steve Kuhl	Tubing	Drilling	in Well	Cu. ft.
ADDRESS 1004 41st Street, Vienna, WV	Size			
SURFACE OWNER Wetzel County Fur, Finn & Feath	er 20-16 Cond.			
ADDRESS 350 Pike St., New Martinsville, WV	13-10"	5001	0	
MINERAL RIGHTS OWNER Yost Hiers	9 5/8			
ADDRESS New Martinsville, WV & others	8 5/8	1450'	1450'	CTS
OIL AND GAS INSPECTOR FOR THIS WORK Robert General Delivery	7	2218'	0	
Lowther ADDRESS Middlebourne, WV	5 1/2	2500'	0	
PERMIT ISSUED 9/24/84	4 1/2			
DRILLING COMMENCED Drill down 4/3/85	3	3071'	3071'	
DRILLING COMPLETED Drill down 4/26/85	2	30,2		
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners used			
REWORKING. VERBAL PERMISSION OBTAINED	useu			<u> </u>
ONCondon		De	pth 310	00fe
GEOLOGICAL TARGET FORMATION Gordon  Depth of completed well 3131 feet	Rotary			XX
Water strata depth: Fresh NA feet	Te m	al being mi	ned in th	ne area? N
Coal seam depths: NONE				
OPEN FLOW DATA			aaca	2100 F
Producing formation Gordon		Pay zone de		
		Initial ope		$\frac{24}{7}$ Bb
Final open flow 25 Mcf/c		Final open		
Time of open flow between in	nitial and	final test	ts 48	nours
Static rock pressure 375 psig(sur	face measu	rement) af	ter_12_r	ours snut
(If applicable due to multiple complet	ion)			
Second producing formation N/A		Pay zone d		
Cas: Initial open flow Mcf/	d Oil:	Initial op	en flow_	Bb
Final open flow Mcf/	d Oil:	Final open	flow	Br
mime of open flow between i	nitial and	d final tes	its	_hours
Static rock pressurepsig(surf	ace measil	rement) aft	er	hours shut

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

Perforated 10 shots 3010' - 3022' 3050' - 3070' } Gordon

Slick water frac

#### WELL LOG

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	n.		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and ga
Well Operator's report filed Drill down Information	December	3, 1984	
Engine Sand Slate Blk. Sand Engine Gray Shale	2220 2317 2320 2385	2317 2320 2385 2680	Water - engine
Berea Sand Slate and Shale Brown Shale Blue Shale Sandy Shale Gray Shale	2680 2690 2830 2900 3010 3030	2690 2830 2900 3010 3030 3050	Berea
Sandy Shale Blue Shale	3050 3060	3060 3131 T.D. Gordon@	Gordon Oil & Gas
			3131 - new TD 2220-012 TO 911 - DD Ctg

(Attach separate sheets as necessary)

Clay R	esources, Inc.		
We:	11 Operator	2	
_		L. Schafe	
By:	Landra	a kuraju	
Date:	June 11, 1985	<i>y</i>	

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."



1) Date:	Augu	st 2,	, 1984
2) Operator's Well No	Sama	ntha #1	
3) API Well No.	47	- 103	- 1313
	State	County	Permit

OIL & GAS DIVISION

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

#### APPLICATION FOR A WELL WORK PERMIT

OIL a		INIT	=	APPLIC	ATION FOR	A WELL WORK PER	MIT			
DEPT.	OF IVI	IINE	7	37						
4) WELLTY	PE: A U	11	/ Ga	sx						
*	B (I	f "Gas",	Production	X	/ Under	ground storage	/ Deep	Shallow	<u>X</u> /)	
5) LOCATIO						shed: <u>Haynes</u>				
c) WELLON						y: Wetzel			rtinsvill	
6) WELL OP! Address		-					TED AGENTS		1 Fred	
Address			-	are o 45750		Address		ion square		
8) OIL & GAS			-		····	0) DDU 1 D1		12, 19bjo 4	3/30	
Name				IED		•	G CONTRACTOR:Unknow	ų ž		
Address				ry		Address			<del>'0' (c'</del>	
71447633				W. Va.		Address			- In	
) PROPOSE						, / D-4-111			· ·	
) FROFUSE	D WELL	WOKK:	Din of	Eald formati	in deeper	Perforate new forma	/ Stimulate_	<del> </del>	199	
			Other of	veical change	in well (cne	Ferrorate new forma	tion/	<u>≥</u> 'S	1984	
t) GEOLOGI	CALTAD	CET EOD	Other pi	iysicai change	farcally	Shalo		<del>- Z</del>		
GEOLOGICAL TARGET FORMATION,					****			<u> ™</u>	- Comment	
					feet		feet.	ເນ		
						Is coal being mined in		( Na	v	
5) CASING A						is coar being mined i	ir the area: Tes	/ No_	X/	
CASING OR	11.12 1031 11		IFICATIONS		H E	OOTAGE INTERVALS	N CENTER BY	. h		
TUBING TYPE			Weight		1	1	CEMENT FILL-UI OR SACKS	PACI	ERS	
Conductor	Size	Grade	per ft.	New Used	For dri	lling Left in well	(Cubic feet)			
resh water	8-5/8		<del>  </del>		300	2001	OTTO	Kinds	15.05	
oal	0-5/6		<del>                                     </del>		300	300'	CTS	Per rule	15.05	
ntermediate				<u> </u>				Sizes		
roduction	4-1/2				5000	5000'	F001 -1	, D1	15 01	
'ubing	4-1/2		1		3000	3000	300+ SE	s Prems rule	13.01	
iners			1		1			-		
			1		1			Perforations:		
					1			Тор	Bottom	
					1					
	W		· · · · ·	1	<u> </u>		Ц			
			***************************************	···	OFFICE	USE ONLY	<del></del>			
						NG PERMIT				
	47-102	-1212					Sent	tember 24,	84	
Permit number 47-103-1313										
hiaie	-i 4b	-11						Date		
irements subje	ct to the co	onditions of	or and well contained h	location snov	Wn below is e the reverse he	vidence of permission greeof. Notification must	anted to drill in accord	lance with the per	tinent legal re-	
o. 8) Prior to tl	he construc	tion of ro	ads, locatio	ons and pits for	or any permit	t <b>ed work.</b> In addition, th	ne well operator or his	ontractor shall no	ctor, ( <b>Keter to</b>	
strict oil and ga	as inspecto	r 24 hours	before ac	tual permitted	l work has co	mmenced.)	-		, pp	
he permitted we	ork is as de	scribed in	the Notice	and Applica	tion, plat, and	reclamation plan, subj	ect to any modification	s and conditions s	pecified on the	
verse hereof.		_	4, 1986	_						
ermit expires _	Depter	noer 2	7, 1700		ur	less well work is comme	nced prior to that date a	nd prosecuted witl	n due diligence.	
		<del></del> 1								
Bond:	Agen	t:   1	Plat:	Casing	Fee					
BLANKE	ha	3 X	ועמ	mul	318	700		,		
		<b>√</b> //		1111	210	IVhan	aret X			
						7 71		sole 10		
OTE: Keep or	ne copy of	this perm	it posted a	t the drilling	location.	/ <i>f</i>	Administrator, Office o	Oli and Gas		
				ь						
									File	