



WR-35 RECEIVE JUN 6: Jeal DEPT. OF THERSY

State of West Virginia DEPARTMENT OF ENERGY Division of Cil and Gas

Well Operator's Report of Well Work

name: HÉRRON, DARRELL & CONNIE Operator Well No.: 22174

LOCATION: Elevation: 1894.81 Quadrangle: MAYSVILLE

District: UNION County: GRANT
Latitude: 9910 Feet South of 39 Deg. 7 Min. 30 Sec.
Longitude 10900 Feet West of 79 Deg. 12 Min. 30 Sec.

Company: COLUMBIA NATURAL RESOURCE P.O. BOX 6070 Casing | Used in | Left CHARLESTON, WV 25362-6070 |Fill Up| Tubing | Drilling | in Well|Cu. Ft. Agent: JOSEPH E. CAMPBELL Size Inspector: PHILLIP TRACY 09/26/90 12/12/90 Permit Issued: 13-3/8 61 Well work Commenced: 2/17/90 Well work Completed: Verbal Plugging 9-5/8 2818 1967 876 Permission granted on: 01/09/91
Rotary X Cable Rig
Total Depth (feet) 8437 Fresh water depths (ft) 18' Salt water depths (ft) Is coal being mined in area (Y/N)? N Coal Depths (ft):

OPEN FLOW DATA

Producing formation	Oriskany	Pay zone depth	(ft) 8437
Gas: Initial open flow	- MCF/d Oi	1: Initial open flow	- Bbl/d
Final open flow	- MCF/d	Final open flow	- Bbl/d
		l and final tests	
Static rock Pressure	psig (su	rface pressure) after	- Hours
Second producing format	ion	Pay zone depth	(ft)
Gas: Initial open flow	MCF/d Oi	1: Initial open flow	Bb1/d
Final open flow	MCF/d	Final open flow	Bbl/d
		l and final tests	Hours
Static rock Pressure	psig (su	rface pressure) after	Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For:	COLUMBIA NATURAL RESOURCES, INC.
	By: parket sell
	Date 6-3-9/

RECEIV JUN 05	1991		FOI	<u>RMATIONS</u>
40	Limestone,	water	6	181
70	Camel			

Sand 78 - 1035 Gray Shale 1035 - 3690 Sand/Shale 3690 - 5610 Brallier Sh 5610 - 5930 Harrell Sh 5930 - 6920 Tully LS 6920 - 7100 Mahantango 7100 - 7264 U. Marcellus 7264 - 7390 Purcell LS 7390 - 7460 L. Marcellus 7460 - 7470 Onondaga LS 7470 - 7500 Meedmore Sh 7500 -Fault 7500 - 7570 L. Marcellus

7570 - 7590 Tioga Metobt. 7590 - 7698 Onondaga LS

7698 - 7780 lst Oriskany

7780 - Fault 7780 - 7858 Needmore Sh

7858 - 7990 2nd Oriskany

7990 DTD



STATE OF WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION CHARLESTON 25305

September 17, 1990

Oil and Gas Division Department of Energy

vepartment of	T. Energy					
RE: AP	PLICATION FOR PERMIT #47 023 - 00029TO DRILL DEEP WELL					
COMPANY	Columbia Natural Resources, Inc.					
FARM:	Darrell & Connie Herron #22174					
COUNTY:	Grant DISTRICT: Union					
The applicat	on of the above company is <u>approved for Oriskany</u> (APPROVED - DISAPPROVED)					
Applicant	has complied with the provisions of Chapter twenty-two,					
eight (§22-8) (1931), as an	, of the Code of West Virginia, nineteen hundred and thirty-on mended, Oil and Gas Conservation Commission, as follows:					
1. Provid	led a certified copy of duly acknowledged and recorded consent sement form from all surface owners; yes					
propos	led a tabulation of all deep wells within one mile of the sed location, including the API number of the deep well, well and the name and address of the operator, and, none					
3. Provid 850 wells	led a plat showing that the proposed location is a distance of feet from the nearest unit boundary and showing the following drilled to or capable of producing from the objective formation 3,000 feet of the proposed location:					

Very truly yours,

Brett Loflin Petroleum Engineer

Form	1 of <u>4</u> WW2-A 7)	Permitting Oil and Gas Section	3) OF WEST	API Well VIRGINIA		- 00029
	<u> </u>	OTICE AND APPLICA	TION FO	DR A WELL	WORK PERMIT	•
4)	(a) Name <u>[</u> Address <u>(</u> Route], Box	er(s) to be serve Darrell C. Herron & Connie M. Herron 83, Maysville, WV 2	26833	NameAddress _	oal Operator:	
	(b) Name Address			Name	Owner(s) with Dec	
				Address _		
	Address			Name		
				Address _		
6)	Inspector F	Phillip Tracy Rt. 2 Box 37-A		Name	Lessee with Decla	
	Telephone (<u>lontrose, WV 26283</u> 304)- <u>636-8798</u>		Address _		
contr X Secti	acts by white Included is considered for the constant of the c	the lease or lead the rice of I hold the rice the information the Code of West that as required to pies of this not cuments pages 1 that Service (Afficied Mail (Postman eation (Notice of	ght to e require Virgini under Ch ice and hrough davit at rked pos	extract of extract of ed by Char in (see parter 22) application of the extraction of	il and gas <u>OR</u> pter 22B, Article age 2) B of the <u>West Viro</u> ion, a location pi e above named part	1, ginia Code lat, and
familattacrespois tr	Terms and I certify the continue, and it is a maked in the continue, accurate I am aware imation, incomplete SEA UBLIC STATE OF WEST STEPHEN V. SMOLDER	VIRGINIA By:	ny permi law that bmitted y inquin formation ignification ignification ignification	it issued to I have pon this ary of thoson, I belief the arear Columbia N	under this application form a application form a se individuals impleve that the information for submitting imprisonment. At a pair Resources, Incompared the second submitting imprisonment.	cation. ed and am and all mediately ormation ng false C.
a	P. O. BOX 6070 ARRESTON, WV 2536	.**		P. O. Box	ling and Production (6070	<u>Jperations</u>
MAA COM	MISSION EXPIRES 05	25 - 98		Charleston	, WV 25362	
		Telephor sworn before me th		304/353-50 2 day of _	August	, 19 <i>90</i>
	*		_	Lenhan 11.1	Later Mat	ary Public
Мусс	mmission ex	pires	May	25 1998	NO CO	TTY FUDITO

47-023-00029 Issued 9/26/90

(Type)

FORM WW-2B

Page 3 of 4 STATE OF WEST VIRGINIA CYPULS 9/26/92 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Ope	rator:	Columbia	Natural Res	ources, Inc.	10460 (3) 465
2) Operator	's Well 1	Number:	22174		3) El	evation: 1894
4) Well typ	e: (a) (Dil_/.	or Gas	5 <u>X</u> /		
	(b)]	[f Gas:	Production Deep	$\frac{X}{X}$ Undergrow X	cound Storag Shallo	e/ w/
5) Proposed	l Target I	Formation	n(s):Or	riskany		
6) Proposed	Total De	epth:	7905	feet	£	ECETTON OF THE PROPERTY OF THE
7) Approxim	nate fresi	n water s	trata depi	hs:	SE/	
8) Approxim	nate salt	water de	epths:	-	, Oli ani	e _{ermitting} 90
9) Approxim	mate coal	seam dep	oths:	din		Permitting Gas Section
10) Does lan	nd contair	n coal se	eams tribut	ary to acti	ive mine? Y	es/No_X_
11) Proposed						- Andrews - Andrews
12)			·			
		CASIN	IG AND TUB	NG PROGRAM		
TYPE	SI	PECIFICAT	CIONS	FOOTAGE IN	ITERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13-3/8"	H	48	90	90	62
Fresh Water		-				
Coal						
<u>Intermediate</u>	9-5/8"	J	40	2800	2800	877
Production	5-1/2"	N	17	7905	7905	520
Tubing						
Liners						
PACKERS : Kin	nd					
Siz	esoths set					
\$12 Dep			n of Oil -	and Gas Use	0-1	
					-	- I IIDAD
·				1		d WPCP
Plat _	_ ww- a	1-1 AA-	.78 1 <u> </u>	Bond Sure	2)	_ _ Agen

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

copies if respective	required) si addresses.	JOUIO DE MAITEC	t co each	Cour operate	
Farm name:	HERRON, DAI	RRELL & CONNIE	Operator We	ll No.:22174	
LOCATION:		1894.81 Quadr UNION 9910 Feet Sout 10900 Feet West	Coun	tv. GRAN'!	Sec. Sec.
Well Type:	OIL	GAS X			
Р.	lumbia Natural O. Box 6070 arleston, WV		Coal Oper or Owner	atorN/A 	
Agent: <u>Jos</u> Inspector: Permit Issu	seph E. Campbe Phillip Trac led: <u>06/12/9</u>	11 y 1 1/9/91	Coal Oper or Owner	atorN/A	
		AFFI	DAVIT		
County of _	ST VIRGINIA Kanawha	ss:			
columbia Natuwork of plon the and filled	ck of pluggi ural Resources Lugging and 9th day	and ording to law de ng and filling, Inc., w filling the ab of January owing manner:	ell operato ove well, the period of the peri	or, and participat said work	ipated in the was commenced
13-3/8 Csg 9-5/8 Csg				851	88 1967
	O' Cmt Plug O' Cmt Plug O' Cmt Plug	5800 2700 50'	6000 2900 Surface		
	_	onument: As r			
the	hat the wo day of r deponents	rk of plugging January , saith not.	and filling	said well was	aspon
	• • • • •	. C	day of	November	nd 1993
Sworn and My commiss	subscribe b	efore me this	day of	epler V. Son	lebe
				Notary Pub	lic