





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

Dates	August 8	18
3		

FORM IV-35 (Obverse)

[08-78]

	s'rote			
Well	No.EA	#1	Nicholson	

WELL OPER	RATOR'S REPORT	well No.EA_#	Nicholson
	90	API Wel No.	47 - 017 -270
DRILLING, PRACTURING AND/OR	STIMULATING, OR PHYSICAL	CHANGE .	State County Perr

		-				Oli Oli 1	MODATING, OR	HISTUAL CHANGE	Stat	e County Pe
WELL TYPE:	011		Gas)		Liqu	id Injection	l / Wast	e Disposal/		
	(If "	Gas",	Product	ion_		Undergroun	d storage	_/ Deep_X/	P4 4 9 -	4.5
LOCATION:	Eleva	tion:	890			Watershed:	Standing Sto	ne Pun	_ SUSITOM_	/)
	Distr	ict: G	reenbri	er	tering year	County: <u>Do</u>	ddridge	Quadrangle: N	ew Milton	
WELL OPERAT								AGENT James C		
Addres	s P.	b. Box	< N				_			
	G1	envill	le, WV		2635	51	Addre	SS P.O. Box		
								Glenvil		
PERMITTED WO	ORK: D	rill _	<u>X</u> / 0	Conve	rt	_/ Drill de	eeper/ P	Redrill/ Pr	acture or	stimulate
•	1	'lug of	f old	Corma	tion_	/ Perf	orate new form	mation /	•	***************************************
	0	ther p	hysical	char	nge in	well (spec	ify)			
		-			(2.4×1.2×12×1×1×1×1×1×1×1×1×1×1×1×1×1×1×1×1×	The Composition of the Compositi				
PERMIT ISSU	ED ON		4/30		. 19	80	OTT. & GAS	INSPECTOR FOR TH	TC Lane	
(IF APPLICA	BLE: E	PLUGGT	ות קר הו	מע עפ	E ON			ul Garrett	TO BOKK:	
REWORK	UOUS PR ING. V	ROGRESS /ERBAL	SION FRO PERMIS:	OM DR	ILLINO OBTAIN	OR IED		ss 321 Beech S	treet	
duit-conserved			, 19			; <u>.</u>		Clarkehung	LIV 2620	71
GEOLOGICAL 3	TARGET	FORMAT	'ION:		E1k/	Alexander		Depth	5999	J.
Depth o	of comp	leted	well,	34	18	feet	Rotary X /	Cable Tools		}eet
Water s	strata	depth:	Fresh	1,	ſe	et: sal	t. feet		**************************************	
Coal se	am dep	ths:	53	33-54	3	Is coal	heing mined i	m +b= no '		-
Work wa	as comm	enced	7/	'18		1980	. and complet	7/26/80	<del></del>	•
							-, and complet			19
CASING AND T					- '	-	••		* ************************************	
CASING OR TUBING TYPE		SPEC	IFICATI	ONS	8	FOOTAG	E INTERVALS	CEMENT FILL-U	7	PACKERS
	Size	Grade	per ft	New	Used	For drilling	ng Left in we	CEMENT FILL-U OR SACKS 11 (Cubic feet)		
	11			1	X				Kinds	
Fresh water	ర−၁/ర	J-55	20	X	1	950	950	Surface		
Coal							:		Sizes	
Intermediate		CU	70 =							
Production	41/2	CW	10.5	X		34.8	3418	95 sks <sup>-</sup>	Depths se	t
Tubing	7½	H-40	2.5	X		*****	3250			
Liners		_6%_g						3418-4644	Perforati	ons:
		Ceme						4644-4852	Top	Bettom
		6% g	<u>e]</u>					4852-5347	3263	
								,		
OPEN FLOW DAT										
and the second s		ation	Marrie	an						
Gas	: Ini:	tial o	nen flo	<u> </u>	300	W- C / 2		Pay zone depth	<u>3254-3301</u>	feet
	ain:	al one	beir 110	*, <del>/</del>	300 200	mci/d	Oil: Initia	l open flow, N/	АВъ1,	/d
	P. 77114	men.			<u> </u>	mci/d	Final	open flow, N/	<u>A</u> Bb1,	/d
	,	ı.me	or ope	oll n and	w beti	een initial	and final te	sts, 4 hours		
5 ta	sic roo	ok pres	ssure,	000	p:	sig (surface	measurement)	after 48 hour	rs shut in	
[If appl										
Second p	roducir	ng form	mation .	n				Pay zone depth		feet
Gas	: Init	ial or	en flow	·,		Mcf/d	Oil: Initia	l open flow,	Bb1/	′d
•	Fina	al oper	flow,			Mcf/d	Final	nen flow	D. 1	, a

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

Static rock pressure, \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

PORM IV-35 (Reverse)

[08-78]

017-2708

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

Perforations - 6-0.49" holes at 3298, 3297, 3283, 3281, 3279,3263

Frac 15,000 1bs 80/100 sand, 20,000 1bs 20/40 sand 20 1bs/1000 gals WG-12, 15N, 1% KCL, 750 gals 15% HCL.

WELL TUG

Salada Salada	and the second						
PORMATION .	Color	Hard or	£ Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, cil and gas		
Surface fill			0	15			
Sand, Shale & Red Ro	ck		15	51	Water at 40'		
Sand and Shale			51	119	-		
Red Rock		-	119	132			
Sand			132	150			
Red Rock and Shale			150	174			
Sand			175	215			
Sand & shale & Red F	łock		215	315	100.00		
Sand			315	335			
Sand & shale			335	374			
Sand			374	382			
Sand & Shale			382	401			
Sand			401	473			
Sand & Shale			533	533			
Coal			533	543			
Sand & shale			543	579			
Sand			579	590			
Sand & shale			590	650			
Shale & Red Rock			650	740	•		
Sand & shale			740	777			
Shale & Red Rock			740	825			
Sand & Shale			825	880			
Shale & Red Rock			880	904			
Shale & Sand			904	940			
Jilaie a Jaliu		-	304				

(see attached sheet)

(Attach separate sheets to complete as necessary)

EASTERN AMERICAN ENERGY CORPORATION
Well Operator
Ann Ola
By
Its Vice President
tre and a second

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the drilling of a well."

Shale	940	1085	
Sand	1085	1140	
Sand & Shale	1140	1855	Top & Log @ 1600'
Little Lime	-1866	1878	
Shale	1878	1917	
Big Lime	- 1917	1992	
Big Injun	1992	2067	
Sand & Shale	2067	2140	
Weir	2140	2218	
Sand & Shale	2218	3254	
Warren	3254	3301	
Sand & Shale	3301	4840	
Benson	- 4840	4846	
Sand & Shale	4846	5146	
Elk	5146	5231	Hoo , a
Sand & Shale	5231	5347	Att fortage appointing
TD	5347		0 11 -3

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

APRIL	28,	1980	

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	E	0	8	-	7	8	]	

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No.	C.	G.	Nicholson	#1
APT Well No		1.7	_017-2708	

				THE I	TITLE CHILLO	AP	I Well No.	<u> </u>	17-2708
WELL TYPE:	Oil/ Gas _	<u>X</u> /						State 1	ounty For
1	(If "Gas", Product	ion_X_/ Un	derground	stora	ar,e/	Deep_	/ Sh	allow X	<u>'</u>
LOCATION: I	Elevation: 890	Wat	ershed: _	Stand	ing Ston	e Run . ———			
I	District: <u>Greenbr</u>	ier cou	nty: Dodd	lridge	(	Quadrangl	e: New	Milton	***************************************
WELL OPERATOR	R Eastern Americ	an Energy Cor	rporation	DESI	GNATED AC	зымт Ja	mes C. R	echt	
Address	P.O. Box N		The second secon					, , , , , , , , , , , , , , , , , , , ,	
	Glenville, WV	26351			, add cha		enville,	•	
				,			CIIVITICS		J J J L
OIL & GAS ROYALTY OWNER	C. G. Nicholso	) <b>n</b>		COAL	OPERATOR	None			
	Standing Stone	Run							
	Doddridge Cour								
Acreage	47A			COAL	OWNER(S)	WITH DR	CT/WWEAUN	ON PECOR	
	C. G. Nicholso						Jacob Land	V Z	
Address	Standing Stone	Run			Address			. 76	acab <sup>y</sup>
	Doddridge Cour						APR 30	1980	
Acreage	47A			Name			IL & CAS D	12 52 00 h 000 3 H	
FIELD SALE (1)	F MADE) TO:						<del>il a cast</del> JI_of		End Seed
lame						Secretary Secretary Secretary			Chinest
Address				CONI.	LESSEE W	ITH DECL	ARATION ON	RECORD:	
				Nume					
IL & GAS INSI	PECTOR TO BE NOTIF	1 ED							
amo <u>Paul Ga</u>	ırrett				_				
Address _	321 Beech St.								
-	Clarksburg, WV	26301							
m Hin	Phone: 622-38 undersigned well a		titled to	00000					
ocution under	a deed/ le	ease / o	ther cont	pperd	X / dr.	or ras	purnoses uawu 12	at the	
	ll operator from					ed <u>I EDI</u>	uary 13,	_, _ <u> </u>	_,
	lease, or other o		· · · · · · · · · · · · · · · · · · ·		<u> </u>				
and the second second	February 19,, 19				lerk of t	he Count	n Commine	. Do	oddridge
	irginia, in <u>Lea</u>							-	
PROPOSED	WORK: Drill X /	Drill deeper		drill	1299	cture or	otimulat.	ana 7	a a Sala
		ld formation						-	
		leal change in				-			
	planned a	is shown on the	: work ord	der on	the reve	rse side	here f		
T}}**	above named coal c							read the	· Andrews
,	wish to make or a								
	n fifteen (15) day								** -*
	es of this Permit.								·
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arleston, Wes									
						370.4			
EASE SUBMIT OF	COPIES OF ALL  SS DIRECTLY TO:					CODECAT			Vij Servens Hillian
	DIL AND GAS		E	asteri	n America	an Energ	y Corpora	ation	
WASHINGTO:	ON COMMISSION COTREET EAST		-				1/100		
ELESTON, WY	25311				Om	tul	8	-	

PHONE: (304) 348-3092

By F. H. McCullough III

Its <u>Vice President</u>

## PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CO	NTRACTO	R (IF	KNOWN)		S.h	. Jack, Ir	ıc.		
							VV 26201		
							61		
GEOLOGICAL T	CARGET	PORMAT	ION,	1	Devonia	n Shale			
							ſeet	Rotary X /	Cable tools/
									/
									a: Yes/ No_X
CASING AND T									
CASING OR	11		 IFICATI	ONS	И	FOOTAGE	INTERVALS	BCEMENT DITT	PACKERS
TUBING TYPE	Size	Grade	Weight per ft	New	Used F			OR SACKS (Cubic feet)	¥\$
Conductor	40		94 1b	i .	х	25			Kinds
Fresh water	8-5/8	J-55	20 lb	, x		950	950	Surface	
Coal									Sizes
Intermediate									
Production	4½		10.5	X		5500	5500	300 sks.	Depths set
Tubing	11/2	H-40	2.5	X	- House		5300		
Liners				-					Perforations:
									Top Botton
the co 200 fe where	fractused being in	requir the pri separa ring of such St	ea by Coposed  te Form r stimu the F	ode vell.  IV-2  latin	s 22-4-8 2 shall ng is to WALL SING apter 22	not be required in connection	owner of any uired for frac	water well or turing or stim	(n) if amplicable, dwelling within ulating a well t is sought and
for dril	ling	ang	This perm	it shal	ll expire il				
operaliene fran	ve not co	mmence	d by <u>1</u> -	-8-81					
or	eoal l	wing w essee	aiver n who has	ust rec	orded a	declaratio	c coal operato n under Code ( receipt therec	or and by any c \$ 22-4-20, if t	nal owner the permit
						WAIVE	<u>R</u>		
ocation has sell location he work prop	examin , the osed t	ed thi well l o be d ents o	s propo ocation one at f the W	sed has this est	well loo been ac locatio Virginia	cation. If dded to the on, provide	a mine map ex	cists which cov ne undersigned perator has com	coal under this well ers the area of the has no objection to plied with all
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e:			19	<del></del>					
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