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IV-35 (Rev 8-81) AUG 1 3 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINSSING OF MEST HIRGITIES

Department of Mines Billion

	August 12,	1982
Operator	's	
Well No.	C-29	
Farm		
API No	47 - 059	- 0996

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil/ Gas_X/ Liquid Injection (If "Gas," Production_X/ Undergrou				llow_x_/)
LOCATION: Elevation: 1406' Watershed	Rockhouse	Branch		
District: Hardee County Ming			e Myr	tle
COMPANY Seneca-Upshur Petroleum, Inc.				
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	I a			Cement
DESIGNATED AGENT Seneca-Upshur Petroleum, Inc.	Casing	Used in		fill up
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Tubing Size	Drilling	in well	Cu. ft.
SURFACE OWNER Georgia-Pacific	20-16	12	12	10
ADDRESS P.O. Box 1808, Augusta, GA 30909	Cond.	12	14	10
MINERAL RIGHTS OWNER <u>Cotiga Development Comap</u>	13-10"			
ADDRESS 25 Darby Road, Paoli, PA 19301	8 5/8	2201	2203	450
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7	2381	2381	450
St. Clair ADDRESS P.O. Box 157, Brenton, W	5 1/2			
PERMIT ISSUED 11/20/81	4 1/2		4668	223
DRILLING COMMENCED 1/5/82	3			
DRILLING COMPLETED 1/13/82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Marcellus	Separate management and a separate managemen	Dept	-h 500	0 feet
Depth of completed well 4714 feet R	lotary >			· Y · · · · · · · · · · · · · · · · · ·
Water strata depth: Fresh 294 feet;				
Coal seam depths: 233, 540, 594, 1814			ed in the	area? No
OPEN FLOW DATA			4134-46	
Producing formation Devonian Shale				
Gas: Initial open flow Trace Mcf/d				
Final open flow 852 Mcf/d				
Time of open flow between initi		 -		
Static rock pressure 540 psig(surface		ent) after	how	rs shut in
(If applicable due to multiple completion-			<u>.</u>	£
Second producing formation				
Final open flow Mcf/d			***************************************	
Time of open flow between initi				
Static rock pressurepsig(surface				
			A	16 2 3 1982 Verse side)

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

DATE:

5/28/82

6/2/82

NITROGEN: 8750 SCF

10850 SCF

SAND:

90,000#

120,000#

WATER:

372 BBLS.

461 BBLS.

PERFS:

12 4392'-4612'

12 4134'-4286'

WELL LOG

FORM	ATION COLOR	R HARD OR SOFT	TOP FEET	BOTTOM FEET	Including	REMARI g indicat water, c	ion of	all fresh l and gas
	Sand & Shal	Le .	0	53				
	Sand		53	223				
	Coal		223	239 540				•
	Sand & Shall	Le	239 540	544				
	Coal Sand & Shal	ام	544	594	SECTION STATES			
	Coal		594	604	Constitution of the Consti			
	Sand & Sha	le	604	1750	October .			
	Shale		1750	1814				
	Coal		1814 1819	1819 2270				
	Sand & Sha Big Lime	Te	2270	2548				
	Big Injun		2548	2600				
	Sand & Sha	le	2600	2776				
	Weir		2776	2834	-			
	Sand & Sha		2834	3170				
	Sudburry S	hale	3170 3240	3240 3318				
	Berea Gray Shale		3318	3944				
	Brown Shal		3944	4536				
	Marcellus	Huron	4536	4714	T.D.			
u else	Ade Von							
	top	Harrette Maria		No.				
	The first St.		:				•	F
	2548			a numeros de la companya de la compa				
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	2 mg mg La		noon mit of the control of the contr	THE CONTRACTOR OF THE CONTRACT				4
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	2776 S(70 S,2.09	39						,
		39					- 	
	22.09	109					- 	
en en	22.09 33.18 4045 42.89	10 9					e ga	
	\$2.09 \$2.09 \$2.09	10 9 7 2 7 2 3 5						

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Seneca-Upshur Petroleum, Inc. Well Operator

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 encountered in the drilling of a well."

MITORM IV-7 (Obverse) (Revise: 3-81)



MG	8 8	NO.	C-29		
Fa					
AP	Guida	#47	-059 - ₀₉₉	16	
Da	L t	N	ovember 4,	1981	

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL F	PERMIT APPLICATION
ELL TYPi: 0il / Gas X /	
(If "Gas", Production X / Und	erground storage / Deep / Shallow X /
OCATION: Elevation: 1406 Watersh	ed:
District: Hardee County:	Mingo Quadrangle: Myrtle
ELL OPERATOR Seneca-Upshur Petroleum, Inc.	DESIGNATED AGENT Seneca-Upshur Petroleum, Inc
Address P.O. Drawer P	Address P.O. Drawer P
Buckhannon, West Virginia 26201	Buckhannon, West Virginia 26201
OYALTY OWNER Cotiga Development Company	COAL OPERATOR None
Address 25 Darby Road	Address
Paoli, Pennsylvania 19301	
Acreage 858.00	COAL OWNER(S) WITH DECLARATION ON RECORD:
URFACE OWNER Georgia-Pacific, Exhange Oil &	Gasme Island Creek Coal Company
Address 1250 Poydras St. 24th Floor	Address Pantsville, Kentucky 41240
Acreage 858.00	NAME
650.00	Address
IELD SALE (IF MADE) TO:	
AMEAddress	COAL LESSEE WITH DECLARATION ON RECORD:
	NAME
ALL AND CAS INCOSCION TO BE MOTIFIED	Address
IL AND GAS INSPECTOR TO BE NOTIFIED:	
AME Arthur St. Clair	
Address P.O. Box 157	RECEIVED
Brenton, West Virginia 24818 Telephone 732-6227	1'0V - 5 1981
700	, JV 7, 1301
	OIL AND GAS DIVISION WAY DEPARTMENT OF MINES
The undersigned well operator is entit bove location under a deed / lease X or the undersigned well operator from Cot.	led to operate for oil or gas purposes at the / other contract / dated Aug. 1, 19 79,
	•
Tailided, Teace, or other contract has	been recorded:)
corded on, 19, in the of	fice of the Clerk of County Commission of
County, West Virginia, in	Book at page . A permit is
equested as follows:	
Plug off old formation	/ Redrill / Fracture or stimulate / / Perforate new formation /
Other physical change in	well (specify)
	Charles Agencia and Charles an
he above named coal operator, coal owner(s) birction they wish to make or are required partment of Mines within fifteen (15) days opies of this Permit Application and the endied by registered mail or delivered by he	work order on the reverse side hereof.), and coal lessee are hereby notified that any to make by Code \$22-4-3 must be filed with the safter receipt of this Application by the Dept notosed plat and reclamation plan have been and to the above named coal operator, coal own-y of the mailing or delivery of this Applicationst Virginia.
LEASE SUBMIT COPIES OF ALL	Control of the Contro
FOPHYSICAL LOGS DIRECTLY TO:	Seneca-Upshur Petroleum, Inc. Well Operator
EST VIRGINIA OIL AND GAS	/ well operation
DYSERVATION COMMISSION BY	: Umphely
HARLESTON, WY 25311 SIAMET BURNLE Clephone - 304/348-3092	Vice President

(Revised 3-81)

PROPOSED WORK ORDER

ACTUAL INFORMAT				TED ON FO		UPON COMPLET	ION
DRILLING CONTRACTOR (IF	KNOWN)	Lit	tle Sw	viss Drill	ing Compai	ny	
A	ddress	P.0	. Draw	er P			
		Buc	khanno	n, West V	irginia 2	26201	
GEOLOGICAL TARGET FORMAT Estimated depth of con Approximate water stra Approximate coal seam Is coal being mined in	mpleted ata dept depths: n this a	well hs:	Fresh	fee	feet; s	ry / Cabl	le tools/ feet.
¥ .	M Cificati	ONS				CEMENT FILL-	PACKERS
TUBING TYPE Size Grade	Weight Iner ft	I New	Illsed	For Dril		UP OR SACKS	
Conductor 16"	1	Titew_	X	30	The Manager designations restricted to the control of the control	The same of the sa	Kinds
Fresh water							
Coal		 					iSizes
Intermed. 8 5/8* Production: 4 1/2*	20.00	X	 	2450		To Surface	10
Tubing Tubing	10.50	X	 		4850	As Required	
Liners		1	 			by Rule 15.0	Perforations:
							Top Bottom
		1	1	<u> </u>			
Regulation 12, or a Form IV-9, "Reclama 822-1-12b and Regulation by Code 82 822-1-8a from the composed well. A separate Form IV-where fracturing or sought and is noted in Code and in Code of the W. Va. Code, the long provinces have not composed to Drilling.	tion Plation 2 2-4-12a wher of 2 shall stimul as such This permitted by	an" and any and any and any and any and any and	pplica v) unl (v) i water be req is to the Fo the Fo	while to the dess prevolence of application with the part or	he reclamationsly pair the the the the the the the work of the work filed in continuous the	tion required on the same consent required on the same consent required on the connection the connection the connection on the connection the	d by Code The well, the fee The well, the fee The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The pro- The
The following waive or coal lessee who is to be issued with the undersigned coal operationation has examined this area of the well location to well operator has complied the governing regularions.	has received him fifther tor the wood with a	f owner we have a second of the second of th	a dec (15) d W A I er Il loc cation oposed	laration lays of re VER lessee lation. has been to be do	under Codeceipt the / of the lift a mine added to the lift at the lift and at the lift and l	e \$22-4-20, reof: The coal unde map exists we the mine map is a location.	if the permit In this well which covers the p. The under- provided the
Date:, 19_				455/militarios de la companya de la	·		,70%× ,
			8,	p to	interpretation of the application and and the contribution of the		