





IV-35 (Rev 8-81) OIL & GAS DIVISION

DEPT. of MINES inte of Mest Mirginia

Pepartment of Mines Gil und Gas Pivision

Date	March	i 15,	198	5	
Operator	c's				
Well No	C-36	ON THE OWNER OF THE OWNER O	and the second s		
Farm					
API No.	47 -	059	•	1042	-FRAC

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas χ / Liquid Injection (If "Gas," Production χ / Underground	na Storage	/ Deet	/ 3110.	llow_x_/)
LOCATION: Elevation: 1330, 450 Watershed Righ	nt Fork of	Laurel Fo	rk	-
District: Hardee County Min	go (Quadrangle	<u>My</u>	rtle
COMPANY Seneca-Upshur Petroleum Company				Cement
ADDRESS P.O. Box 2048, Buckhannon, WV, 26201	Casing	Used in	Left	fill up
DESIGNATED AGENT Joseph G. Hager	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 2048, Buckhannon, WV, 26201	Size			
SURFACE OWNER Georgia-Pacific	20-16 Cond.			
ADDRESS P.O. Box 1808, Augusta, Georgia, 30909	13-10"			
MINERAL RIGHTS OWNER Cotica Development Company 2nd Floor, Rear, 14 E. Lancaster Ave.	9 5/8			
ADDRESS Paoli, PA 19301	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7			
St. ClairADDRESS P.O. Box 157, Brenton, WV	5 1/2			
PERMIT ISSUED 1/10/85	4 1/2			
DRILLING COMMENCED_	3			
DRILLING COMPLETED W/D comp. 3585	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	Liners			in discontinue of the first of
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	used			
ON				
GEOLOGICAL TARGET FORMATION		Dep	oth	feet
Depth of completed well 3100' feet	Rotary	/ Cabl	e T∞ls_	
Water strata depth: Freshfeet;		feet	:	
Coal seam depths:	Is coal	being mir	ed in the	e area?
OPEN FLOW DATA				4
	UDU Pay	y zone dep	oth 2661	feet
Gas: Initial open flow Trace Mcf/d				
Final open flow 160 Mcf/d	Fi	nal open i	Elow(Bbl/d
Time of open flow between init				
Static rock pressure 300 psig(surface				
(If applicable due to multiple completion			·	
Second producing formation	Pa	y zone dej	pth	feet
Gas: Initial open flow Mcf/d	Oil: In	itial oper	n flow_	Bb1/d
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface				
				reverse side)
	HLK O T	(Cont	irue on I	everse stael

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

FRAC

DATE:

3/05/85

WATER:

253 BBLS.

SAND:

60,000#

NITROGEN:

10,180 CCF

PERFS:

2661' - 2671'

16 .39 Perfs

WELL LOG

			<u> </u>		REMARKS
FORMATION C	DLOR	HARD OR SOFT	TOP FEET	BOITOM FEET	Including indication of all freshand salt water, coal, oil and ga
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(Attach separate sheets as necessary)

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-	44000	-	2021						- Andrews
			-						- Property
	7.7-	77	_						The same of the sa

Date: March 15, 1985

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."

IV-35 (Rev 8-81)

INF 6 2 3663

Oil & GAS DIVISION DEPTDate June 23, 1983

Operator's
Sinie of Mest Hirginia Well No. C-36

Bepariment of Mines Gil und Cas Bivision

Farm API No. 47 -059 1042

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas χ / Liquid Injection (If "Gas," Production χ / Undergrou	nd Storag	e / Deep	/ Sha	llow_ <u>x</u> /)
LOCATION: Elevation: 1330 830 Watershed	Right Forl	of Laurel	L Fork	
District: Hardee County Mingo				
COMPANY Seneca-Upshur Petroleum Company				
FODRESS P.O. Box 2048, Buckhannon, WV 26201	Casing	Used in	Ieft	Cement
DESIGNATED AGENT Joseph G. Hager	Tubing	Drilling		fill up Cu. ft.
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Size			
SURFACE OWNER Georgia-Pacific	20-16 Cond.	17	17	10
ADDRESS P.O. Box 1808, Augusta, Georgia 30909	13-10"	124	124	100
MINERAL RIGHTS OWNER Cotiga Development Co.	9 5/8			
ADDRESS 2nd Floor Rear, 14 E. Lancaster Ave.,	8 5/8	1731	1731	350
Paoli, PA 19301 OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7		·	
St. Clair ADDRESS P.O. Box 157, Brenton, WV				
PERMIT ISSUED February 10, 1983	4 1/2		4004	175
DRILLING COMMENCED April 24, 1983	3			
DRILLING COMPLETED May 4, 1983	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN	Liners used			
GEOLOGICAL TARGET FORMATION Marcellus		Dep	th5.0	00 feet
Depth of completed well 4088' feet F				
Water strata depth: Fresh 71 feet;	Salt	feet		
Coal seam depths: 11, 172, 257, 1298	Is coal	being min	ed in the	area? <u>No</u>
OPEN FLOW DATA Huron			33 %	20 -37 99
Producing formation <u>Devonian Shale</u>	Pay	zone dep	th 270	0' feet
Gas: Initial open flow Trace Mcf/d	Oil: Ini	tial open	flow	O Bbl/d
Final open flow 1245 Mcf/d				
Time of open flow between init				
Static rock pressure 525 psig(surface	e measure	ment) afte	r 24 hou	ırs shut in
(If applicable due to multiple completion)			
Second producing formation	Pay	y zone dep	th	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init	ial and f	inal tests	h	purs
Static rock pressurepsig(surface	measurem	ent) after	hou	ırs shut in
	• • :	(Conti	rue on re	everse side

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

FOAM FRAC

DATE:

6/8/83

WATER:

873 BBLS.

SAND:

240,000#

NITROGEN:

21,680 CCF

PERFS:

3320' - 3799' Huro

WELL LOG

					i waterin in April 1911.
FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, cil and gas
Sand Coal Sand & Coal Sand & Coal Sand & Sand & Sand Sand Sand Sand Sand Coal Sand Sand Weir Sand & Sudbur	Shale	le	0 11 13 71 115 172 176 257 260 325 329 875 1057 1100 1298 1301 1600 1678 1956 1990 2150 2210 2546 2612 2630 2700 3390 3920	11 13 71 115 172 176 257 260 325 329 875 1057 1100 1298 1301 1600 1678 1956 1990 2150 2210 2546 2612 2630 2700 3390 3920 4088	T.D. Huran
	103:11 2586 1422 1422				4088 2700 13 88

(Attach separate sheets as necessary)

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Christoph 3954

Seneca-Upshur Petroleum Well Operator

June 23,

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 wal, encountered in the drilling of a well."



Well	No.	C	-36		
Farm			100	9	
API	::47	- 059	_		
Date	Ja	nuary	28,	1982	

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

ELL TYPi: 011 / Gas X /		
(If "Gas", Production X / Un	nderground storage/ Deep	/ Shallow X /
OCATION: Elevation: 1330 Waters	shed. Right Fork of Laurel	Fork
District: Hardee County	y: Mingo Quadrangle:	Myrtle
LL OPERATOR Seneca-Upshur Petroleum, Ir	DESIGNATED AGENT _	
seneca-upsnur Petroleum, Ir	nc. DESIGNATED AGENT Senec Address P.O. Drawe	a-Upshur Petroleum, In
Buckhannon, West Virginia 26201	l Buckhannon	r P . West Virginia 26201
L AND GAS		2 ° 2-
YALTY OWNER Cotiga Development Company	COAL OPERATOR None	
ddress 25 Darby Road Paoli, Pennsylvania 19301	Address	
creage Part of 2,456		
	COAL OWNER(S) WITH DECLAR	ATION ON RECORD:
RFACE OWNER Georgia-Pacific	NAME Island Creek Coal Co	
ddress P.O. Box 1808 Augusta, Georgia 30909	Address Pantsville, Ken	tucky 41240
Augusta, Georgia 30909 creage Part of 2,456	NAME	
credge 200 of 27200	Address	
ELD SALE (IF MADE) TO:	.,	
ME		
ddress	COAL LESSEE WITH DECLARAT	TON ON RECORD:
	NAME_None	
L AND GAS INSPECTOR TO BE NOTIFIED:	Address	जनगणना निर्माष्ट्र
E AND GAS INSTECTION TO BE NOTTIFED.		
TE Arthur St. Clair	MECEIVED	
ldress P.O. Box 157		JAN 2 9 1982
Brenton, West Virginia 24818	- FEB 8 - 1982	OIL AND GAS DIVISION
	FEB 8 - 1982	OIL AND GAS DIVISION WYDEPARTMENT OF MINES
The undersigned well operator is enti	OIL AND GAS DIVISION WY DEPARTMENT OF MINES	as purposes at the
The undersigned well operator is entioned location under a deed / lease	OIL AND GAS DIVISION WYDEPARTMENT OF MINES itled to operate for oil or o X / other contract / da	gas purposes at the sted Aug. 1 , 1979 .
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Co	OIL AND GAS DIVISION WYDEFARTMENT OF MINES itled to operate for oil or o X / other contract / da otiga Development Company	gas purposes at the
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has a located, located, or other contract has	OIL AND GAS DIVISION WY DEPARTMENT OF MINES itled to operate for oil or of X / other contract / department Company as been recorded:)	jas purposes at the ited Aug. 1 , 1979 ,
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has corded on , 19 , in the occurrence, in the country, West Virginia, in	OIL AND GAS DIVISION WY DEPARTMENT OF MINES itled to operate for oil or of X / other contract / department Company as been recorded:)	gas purposes at the sted Aug. 1 , 1979 ,
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has conded on, or other contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the contract has conded on, lg, in the operator of the conded on, lg, in the operator of the conded on, lg, lg, lg, lg, lg	OIL AND GAS DIVISION WW DEPARTMENT OF MINES itled to operate for oil or of X / other contract / depoting Development Company as been recorded:) office of the Clerk of County Book at page	Commission of A permit is
The undersigned well operator is entiple location under a deed/ lease	OIL AND GAS DIVISION WW DEPARTMENT OF MINES itled to operate for oil or of X / other contract / day otiga Development Company as been recorded:) office of the Clerk of County Book at page / Redrill / Fracture / Perforate new formatic	Commission of A permit is are or stimulate /
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has a follows: County, West Virginia, in the operator of the follows: PROPOSED WORK: Drill X / Drill Deeperson	OIL AND GAS DIVISION WW DEPARTMENT OF MINES itled to operate for oil or of X / other contract / day otiga Development Company as been recorded:) office of the Clerk of County Book at page / Redrill / Fracture / Perforate new formatic	Commission of A permit is are or stimulate /
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has conded on	OIL AND GAS DIVISION WW DEPARTMENT OF MINES itled to operate for oil or of X / other contract / depoting Development Company as been recorded:) office of the Clerk of County Book at page or / Redrill / Fracture / Perforate new formation well (specify)	commission of A permit is are or stimulate /
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from	OIL AND GAS DIVISION WW DEPARTMENT OF MINES itled to operate for oil or of X / other contract / day otiga Development Company as been recorded:) office of the Clerk of County Book at page or / Redrill / Fractu / Perforate new formation in well (specify) the work order on the reverse	Commission of A permit is are or stimulate side hereof.
The undersigned well operator is entiple location under a deed / lease the undersigned well operator from	OIL AND GAS DIVISION WYDEPARTMENT OF MINES itled to operate for oil or of X / other contract / day otiga Development Company as been recorded:) office of the Clerk of County Book at page or / Redrill / Fractu / Perforate new formation in well (specify) the work order on the reverse (s), and coal lessee are here	Commission of A permit is are or stimulate / side hereof. by notified that any
The undersigned well operator is entipled to location under a deed / lease the undersigned well operator from	OIL AND GAS DIVISION WY DEPARTMENT OF MINES it led to operate for oil or of X / other contract / deporting a Development Company of been recorded:) office of the Clerk of County Book at page or / Redrill / Fracture / Perforate new formation in well (specify) the work order on the reverse (s), and coal lessee are here ed to make by Code \$22-4-3 mu	Commission of A permit is are or stimulate by notified that any est be filed with the
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has located on	CIL AND GAS DIVISION WY DEPARTMENT OF MINES itled to operate for oil or of X / other contract / department / Perforate new formation well (specify) the work order on the reverse department of the departme	Commission of A permit is are or stimulate by notified that any est be filed with the olication by the Dept on plan have been
The undersigned well operator is entitive location under a deed / lease the undersigned well operator from Contract has forded on , locate, or other contract has forded on , located as follows: County, West Virginia, in the ownered as follows: PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change in the above named coal operator, coal owner (jection they wish to make or are required partment of Mines within fifteen (15) daties of this Permit Application and the ided by registered mail or delivered by	itled to operate for oil or of X / other contract / deptiga Development Company as been recorded:) office of the Clerk of County as Book at page or / Redrill / Fracture / Perforate new formation well (specify) the work order on the reverse of to make by Code \$22-4-3 must be after receipt of this Apprenciosed plat and reclamatic hand to the above named coal	Commission of A permit is are or stimulate by notified that any est be filed with the elication by the Dept on plan have been operator, coal own-
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has been deed, lease, or other contract has been deed on 19, in the one County, West Virginia, in unsted as follows: PROPOSED WORK: Drill X / Drill Deepe Plug off old formation Other physical change in the above named coal operator, coal owner (pection they wish to make or are required out of this Permit Application and the led by registered mail or delivered by (s), and coal lessees on or before the delivered to the coal coal lessees on or before the delivered to the coal lessees on or before the delivered to the coal lessees on or before the delivered to the coal lessees on or before the delivered to the coal lessees on or before the delivered to the coal lessees on or before the delivered to the coal lessees on or before the delivered to the coal lessees on or before the delivered to the coal lessees on the coal le	OIL AND GAS DIVISION WYDEPARTMENT OF MINES itled to operate for oil or of X / other contract / date of the Company as been recorded:) office of the Clerk of County of Book at page or / Redrill / Fracture of Perforate new formation well (specify) the work order on the reverse of the work order on the reverse of the work order of the S22-4-3 must be a set of the same of the	Commission of A permit is are or stimulate by notified that any est be filed with the elication by the Dept on plan have been operator, coal own-
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has conded on	OIL AND GAS DIVISION WYDEPARTMENT OF MINES itled to operate for oil or of X / other contract / date of the Company as been recorded:) office of the Clerk of County of Book at page or / Redrill / Fracture of Perforate new formation well (specify) the work order on the reverse of the work order on the reverse of the work order of the S22-4-3 must be a set of the same of the	Commission of A permit is are or stimulate by notified that any est be filed with the elication by the Dept on plan have been operator, coal own-
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Colorate deed, Scase, or other contract has conded on , 19 , in the occurrence of the follows: PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change in the above named coal operator, coal owner (jection they wish to make or are required partment of Mines within fifteen (15) days its of this Permit Application and the ited by registered mail or delivered by (s), and coal lessees on or before the days as SUBMIT COPIES OF ALL	OIL AND GAS DIVISION WYDEPARTMENT OF MINES itled to operate for oil or of X / other contract / date of the Company as been recorded:) office of the Clerk of County of Book at page or / Redrill / Fracture of Perforate new formation well (specify) the work order on the reverse of the work order on the reverse of the work order of the S22-4-3 must be a set of the same of the	Commission of A permit is are or stimulate by notified that any est be filed with the elication by the Dept on plan have been operator, coal own-
The undersigned well operator is entioned location under a deed / lease the undersigned well operator from Contract has conded on , lg , in the occurrence of the follows: County, West Virginia, in the occurrence of the follows: PROPOSED WORK: Drill X / Drill Deeper Plug off old formation Other physical change in the above named coal operator, coal owner (portion they wish to make or are required partment of Mines within fifteen (15) days its of this Permit Application and the ited by registered mail or delivered by (s), and coal lessees on or before the days as EMBMIT COPIES OF ALL	CIL AND GAS DIVISION WY DEPARTMENT OF MINES itled to operate for oil or of X / other contract / depoting Development Company as been recorded:) office of the Clerk of County Book at page or / Redrill / Fracture / Perforate new formation in well (specify) the work order on the reverse ed to make by Code \$22-4-3 must be a few formation of the second plat and reclamation hand to the above named coal day of the mailing or deliver West Virginia. Seneca-Upshur Petrole	commission of Commission of A permit is re or stimulate on side hereof. by notified that any est be filed with the colication by the Dept on plan have been operator, coal own- y of this Application
The undersigned well operator is entioned location under a deed/ lease the undersigned well operator from Colored deed, lease, or other contract has conded on, lease, in the occurred on, lease, lease, or other contract has conded on, lease, lease, or other contract has conded on, lease, lease, or other contract has conded on, lease, lease, or other condensation of the partment of Mines within fifteen (15) days its of this Permit Application and the item department of Mines at Charleston, lease, submit content of Mines	CIL AND GAS DIVISION WY DEPARTMENT OF MINES itled to operate for oil or of X / other contract / depoting a Development Company of been recorded:) office of the Clerk of County Book at page or / Redrill / Fracture / Perforate new formation in well (specify) the work order on the reverse (s), and coal lessee are here ed to make by Code \$22-4-3 must be a system and reclamation to the above named coal day of the mailing or deliver West Virginia.	Commission of A permit is are or stimulate by notified that any est be filed with the colication by the Dept on plan have been operator, coal own- y of this Application eum, Inc.
The undersigned well operator is entioned location under a deed/ lease the undersigned well operator from Colored dead, lease, or other contract has corded on, lease, or other contract has cont	itled to operate for oil or of X / other contract / da otiga Development Company as been recorded:) office of the Clerk of County of Book at page or / Redrill / Fracture of Yerforate new formation well (specify) the work order on the reverse of the work order on the reverse of the work order of this Apple of the above named coal lay of the mailing or deliver west Virginia. Seneca-Upshur Petrole Well Operator	Commission of A permit is are or stimulate by notified that any est be filed with the colication by the Dept on plan have been operator, coal own- y of this Application eum, Inc.
The undersigned well operator is entitive location under a deed / lease the undersigned well operator from	itled to operate for oil or of X / other contract / da otiga Development Company as been recorded:) office of the Clerk of County of Book at page or / Redrill / Fracture of Yerforate new formation well (specify) the work order on the reverse of the work order on the reverse of the work order of this Apple of the above named coal lay of the mailing or deliver west Virginia. Seneca-Upshur Petrole Well Operator	Commission of A permit is are or stimulate by notified that any est be filed with the colication by the Dept on plan have been operator, coal own- y of this Application eum, Inc.
The undersigned well operator is entitive location under a deed / lease the undersigned well operator from	itled to operate for oil or of X / other contract / da otiga Development Company as been recorded:) office of the Clerk of County of Book at page or / Redrill / Fracture of Yerforate new formation well (specify) the work order on the reverse of the work order on the reverse of the work order of this Apple of the above named coal lay of the mailing or deliver west Virginia. Seneca-Upshur Petrole Well Operator	commission of Commission of A permit is re or stimulate on side hereof. by notified that any est be filed with the colication by the Dept on plan have been operator, coal own- y of this Application eum, Inc.

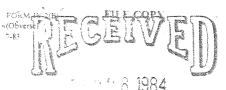
(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Little Swiss Drilling Company

		А	ddress_	P.0	. Draw	er P				
				Buc	khannc	n, West	/irginia	26201		
Approxim Approxim	ed depti mate was	h of conter strandal	mpleted ata dept depths:	well_ hs: 320	5000 Fresh	80	feet;	ry <u>x</u> / Cab salt, 2300		The same of the sa
Is coal	being i	nined i	n this a	rea:	Yes_	/ No_	<u>x</u> /		•	•
CASING AND CASING OR TUBING TYPE]	SPE	M CIFICATI Weight per-ft		lUsed	For Dril	- Left in	CEMENT FILL	t	CKERS
Conductor	16"	drade	per it	INEW	X	20	Well 20	Cubic ft. To Surface	Kinds	
Fresh water	-	1							:	
Intermed.	·0 = /0!!			 	 	0500	0500		Sizes	
Production	8 5/8"		23.00	X	 	2500	2500 4800	To Surface As Required	Depths	set
Tubing		1					7000	By Rule 15.	01	
Liners					-			1 }	Perfora	
****	:								Top	Bottom
					1					
requi 822-4 posed A sep where	ired by 1-8a fro 1 well. 2 arate le fracti 2 t and 1 2 MUST Bl 2 being in 3 Code, i 1 ing	Code 8: om the common IV- uring on is noted POSTED accordant ha location This momenced be	22-4-12a owner of -2 shall r stimul d as such AT THE ce with Ch n is heroby s permit sha	not and any not ating hon well s	(v) i water be req is to the Fo	f applic well or uired fo be part	able, the dwelling w r fractury of the wo	id on the sar consent requivithin 200 feating or stimularly which connection to	uired by set of t lating a n a perm	Code the pro- well nit is
or cois to	gned consequence of the conseque	see who sued with all oper ned this ocation to complie	has receithin fif ators propos , the we o the wo d with a	orded teen / own ed we 11 lo	a dec (15) a W A I her ell location coposed	elaration lays of r VER lessee Tation. Thas bee	under Coo eceipt the / of If a mine n added to one at th	rator and by de \$22-4-20, ereof: the coal und map exists o the mine m is location, f the West V	if the er this which co ap. The provide	well overs the under-
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					i t					•





1)	Date: December 20	1984
20	O	

059

County

2) Operator's Well No. C-36

3) API Well No. 47
State

.<u>U4Z = F1</u> Permit

STATE OF WEST VIRGINIA

				DEPA	RTMEN	T OF MINES, OI	L AND GAS DIVIS	ION			
	& GAS			AF	PLICAT	ION FOR A WE	LL WORK PERMIT				
4) WELLTY	T. DF PE: A O		LE Ga	s <u>X</u>							
	B (1	f "Gas", 1	Production	, Δ.		_/ Underground	storage	/ Deep k of Laurel I	_/ Shallow	X	_/)
5) LOCATIO	N: Ele	vation:	13	30 '							
	Dis	trict:	ardee			_ County: Mi	ngo	Quadrangle:	Myrt1	е	
6) WELL OP	ERATOR	Seneca	-Upshu	r Pe	troleu	m Company	7) DESIGNATED	AGENT Joseph	G. Hager		
Address		P.O. B	ox 204	8				P.O. Bo			
			nnon,		26201	44450	7 3,44 (41 (43.5		nnon, WV	2620	1
8) OIL & GA						`	9) DRILLING C				**************************************
Name				IEU			Name				
	P.0							14) 21			
Address		nton,					Address	***************************************			
	21.0	II LUII 5									
10) PROPOSE	D WELL '	WORK:						/ Stimulate			
			Plug of	fold f	ormation,	/ Perfo	orate new formation	<u>y</u> 1 //			
			Other pl	nysical	change in	well (specify)	Sie apuc	Lou letter		······································	
(1) GEOLOGI	CAL TAR	GET FOR									
						fee	‡				
							It,	feet			
								area? Yes	/ No	W	1
(5) CASING A			,	- War of the			ous semig immed in the	arca: rcs	/ 140	- <u>A</u>	
CASING OR	n Diesi		IFICATIONS		8.1	PAGELOP	- The important of A T C	#	åi		
TUBING TYPE		1	Weight				INTERVALS	OR SACKS	U PACI	KERS C	termone m
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	Landara .		Management of the same
Conductor	16"				X	17	17	10 Sacks	Kompan O		Count seed
Fresh water	11 3/	4"				124	124	100 Sacks			
Coal									Sizes	\Box	CI
Intermediate	8 5/8	7	23.00	X	0.000	1731	1731	350 Sacks		ζ:	
Production	4 1/2	N T	23.00	Х			4004	175 Sacks	DeFihs s&	>-	Carren
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			***************************************			OFFICE USE					
					i	DRILLING P	ERMII				
Permit number_		47-05	9-1042	-FRA	3			Jan	uary 10,	19	85
Cimii namoci _							-	Da			
This permit cou	rine the n	ell operato	er and wall	Llooptio		halam is avidence	. Af marminian anna	ed to drill in accordan			1
mirements subi	ect to the c	en operan onditions i	ontained l	nerein a	ind on the	reverse berenf	: or permission gram. Notification must be	ed to drift in accordangiven to the District O	ice with the pe	runeni le	gal re-
No. 8) Prior to	the constru	ction of r	oads, locat	ions an	d pits for	any permitted wo	ork.In addition, the w	ell operator or his cor	itractor shall no	otify the i	proper
district oil and g	as inspecto	r 24 hour	s before ac	tual pe	rmitted w	ork has commend	ced.)				•
The permitted w	ork is as de	escribed in	the Notic	e and A	pplication	n, plat, and reclar	nation plan, subject t	o any modifications a	nd conditions	necified -	on the
everse høreof.					· F F · · · · · · · · ·	·· , p···· , ····				pounce	011 .0110
Permit expires _	Janı	uary l	0, 198	7		unless we	ell work is commenced	prior to that date and	prosecuted wit	h due dili	gence.
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Bond:	Agen	t:,-]	Plat:	Casin	ıg ,	Fee /				1	
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								JOUNT -			<u> </u>
							Adm	inistrator, Office of C	Oil and Gas		

See the reverse side of the APPLICANT'S COPY for instruction to the well operator.

NOTE: Keep one copy of this permit posted at the drilling location.

File

1)	Date:	January 28,	19
2)	Operator's	0.30	

Well No._ 3) API Well No.

e	W. Anto	County	Permi
			LUM
	40/m		m 10/3

DRILLING CONTRACTOR:

				OIL					
WELL TYPE	a. A Oil		/ Gas	X					
WEELTIII		Gas". Pro			X	/ Underground s	torage	/ Deep	/ Shallow
LOCATION			1830			Watershed:	Right Fork	of Laurel For	_/ Shanow
	Distric	F-3-5	dicioe			County:	Mingo	Ouadrangle:	Myrtle
WELL OPER	RATOR	meca-	Upshur	Pat	roleu	a, Inc. 1	1) DESIGNATED		on G. Hager
Address		Box.		10.16	Bellan	tota netaratg	Address	P.O. Box	2040
	buck	Denno	n, Wes	t Vi	rgini	ad 262010 a		DICKLERATE NO.	est Virginia
OIL & GAS									
ROYALTY	OWNER _						2) COAL OPERA	TOR Mone	
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FIELD SALI							Name	12 2 2 2 1	E LE PRINT
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						1.	4) COALLESSE	E WITH DECLARAT	ION ON RECORD
OIL & GAS	INSPECTO	R TO BE	NOTIFIE	D		1	Name	one	ON ON RECORD.
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PROPOSED	WODV.	Drill	,	Deill d	laaman	/ D-4-:11	/ F	cture or stimulate	,
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My Commission Expires

OFFICE USE ONLY

DRILLING PERMIT Permit number

Date This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector.

(Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced:)

roper district on and	gas inspector	24 Hours before	actual perimite	d work has cor	innenced:)
Permit expires				unless d	rilling is commenced prior to that tate and prosecuted with due diligence.
Bond:	Agent:	Plat:	Casing	Fee	ILL MID
A STATE OF THE STA			100	394	Administrator, Office of Oil and Gas