





IV-35 (Rev 8-81)

MAY 6 - 1983		.79 <u>u</u>
The Sal & GAS DIVISION		
Date May	5,	1983

State of Mest Birginia

Bepartment of Allines Gil und Cas Bivision

Well No.	C-40
Farm_	

API No. 47 - 059

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1650' Watershed				
District: Hardee County	Mingo	_Quadrangle	e Myr	tle
OMPANY Seneca-Upshur Petroleum Company				
DDRESS P.O. Box 2048, Buckhannon, WV 26201	Caşing	Used in	Left	Cement fill up
ESIGNATED AGENT Joseph G. Hager	€ .	Drilling		
DDRESS P.O. Box 2048, Buckhannon, WV 26201	Size			
URFACE OWNER Georgia-Pacific	20-16 Cond.	30	30	10
DDRESS P.O. Box 1808, Augusta, GA 30909	13-10"	1030	1030	450
INERAL RIGHTS OWNER Cotiga Development Co.	9 5/8		·	
DDRESS 25 Darby Road, Paoli, PA 19301	8 5/8	2711	2711	500
IL AND GAS INSPECTOR FOR THIS WORK Arthur	7		·	
St. Clair ADDRESS P.O. Box 157, Brenton, W	5 1/2			
ERMIT ISSUED July 6, 1982	4 1/2		5130	175
RILLING COMMENCED March 29, 1983	3			
RILLING COMPLETED April 9, 1983	2			
F APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR CHORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON				
EDLOGICAL TARGET FORMATION Marcellus		Dep	th500	nofeet
Depth of completed well 5156 feet F				
Water strata depth: Fresh 100 feet;	Salt	feet		
Coal seam depths: 229,320,624,656,687,940	Is coal	being min	ed in the	e area? No
PEN FLOW DATA				
Producing formation Devonian Shale	Pa	y zone dep	th 4349	<u>4963</u> feet
Gas: Initial open flow Trace Mcf/d	Oil: In	itial cpen	flow	Ebl/d
Final open flow 561 Mcf/d	Fi	nal open f	low	D Bpj/c
Time of open flow between init:	ial and f	inal tests	2 h	ours
Static rock pressure 495 psig(surface	e measure	ment) afte	r <u>24</u> ho	urs shut i
(If applicable due to multiple completion-	)			
Second producing formation	Pa	ly zone dep	oth	fee
Gas: Initial open flow Mcf/d	Oil: Ir	itial oper	flow	Bbl/
Final open flow Mcf/d				
Time of open flow between init	ial and f	inal tests	5h	ours
Static rock pressurepsig(surface	measure	ment) after		urs shut

FIRM IV-35 (IEVEPSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHINGE, EIC.

Foam Frac:

DATE:

April 27, 1983

WATER:

806 BBLS.

SAND:

200,000#

NITROGEN:

18270 CSF

PERFS:

4349'-4963'

Musey & angola 21 - .49 Perfs

WELL LOG

	\$ t.		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale Coal Shale Coal Shale Coal Shale Big Lime Big Injun Sand & Shale Weir Sand & Shale Sudburry Shale Sand & Shale Sand & Shale Berea Sand & Shale Berea Sand & Shale Brown Shale Brown Shale Marcellus	0 229 237 320 325 624 628 656 659 687 691 940 944 2620 2886 2928 3086 3160 3484 3550 3562 3608 3600 4392 4980	229 237 320 325 624 628 656 659 687 691 940 944 2620 2886 2928 3086 3160 3484 3550 3562 3608 360 4392 4980 5156	From Erray lay tops!  Turbung Th 35 14  Banas 2538  Upr Bow works; 3593  Mayor 4695  Aropha 4691  Onondorp. 525  T.D. Physotheet @ T.P.  5154 4349  3608  1548 747

(Attach separate sheets as necessary)

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 eval, encountered in the drilling of a well."

WEST VIRGINIA OIL AND GAS PANSERVATION COMMISSION

1613 WASHINGTON ST., E.

CHARLESTON, WV 25311 Telephone - 304/348-3092



Well No.	C-40	)	
Farm_			
API #47 -	059 -	1012	
Date Feb	cuary 1	6, 1982	A CONTRACTOR OF THE CONTRACTOR

STATE OF WEST VIRGINIA

#### OFFICE OF OIL AND GAS - DEPARTMENT OF MINES OIL AND GASWELL PERMIT APPLICATION WELL TYPI: 011 / Gas X / (If "Gas", Production x / Underground storage / Deep / Shallow x / Elevation: 1520 Watershed: Right Fork of Trace Fork County: Mingo Quadrangle: Myrtle District: Hardee WELL OPERATOR Seneca-Upshur Petroleum, Inc. DESIGNATED AGENT Seneca-Upshur Petroleum, Inc. Address P.O. Drawer P Address P.O. Drawer P OIL AND GAS Buckhannon, West Virginia 26201 Buckhannon, West Virginia 26201 ROYALTY OWNER Cotiga Development Company COAL OPERATOR None Address 25 Darby Road Address Paoli, Pennsylvania 19301 Acreage 2,044.63 COAL OWNER(S) WITH DECLARATION ON RECORD: SURFACE OWNER <u>Georgia-Pacific</u> Address P.O. Box 1808 NAME Island Creek Coal Company Address Pantsville, Kentucky 41240 Acreage 2,044.63 30909 NAME Address FIELD SALE (IF MADE) TO: NAME Address COAL LESSEE WITH DECLARATION ON RECORD: None Address OIL AND GAS INSPECTOR TO BE NOTIFIED: BECEIVED NAME Arthur St. Clair Address <u>P.O. Box 157</u> FEB 1 8 1982 Brenton, West Virginia 24818 Telephone 732-6227 OIL AND GAS DIVISION W DEPARTMENT OF MINES The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed $\frac{1}{2}$ lease $\frac{X}{2}$ other contract $\frac{1}{2}$ dated Aug. 1, 1979, to the undersigned well operator from Cotiga Development Company in original, sease, or other contract has been recorded:) Recorded on September 8 , 1980 , in the office of the Clerk of County Commission of County, West Virginia, in B.C.L.60 Book at page 92 . A permit is <u>Mingo</u> Coun PROPOSED WORK: Drill X / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) --planned as shown on the work order on the reverse side hereof. The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code \$22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been miled by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: Seneca-Upshur Petroleum, Inc. Well Operator

BLANKET BOND;

Vice President

(Revised 3-81)

#### PROPOSED WORK ORDER

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

Elological TARGET FORMATION Marcellus  Estimated depth of completed well 5000   feet   Rotary X   Cable tools   Approximate water struct depths; fresh, 80   feet; salt, 2300   feet   Approximate coal seam depths; 200   no X   Scalubeing mined in this area; Ves   no X    CASING ON   SPECIFICATIONS   FOOTAGE INTERVALS CEMENT FILL   PACKERS   TIBING TYPE   Weight   For Orill   Left in up no SACKS   TIBING TYPE   Weight   For Orill   Left in up no SACKS   TIBING TYPE   Size Grade per it   New   Used   ling   well   Cubic ft   Conductor   10"   X   20   20   To Surface   Kinds   Trickh water   Conductor   10"   X   2500   2500   No Surface   Continement   8 5/8"   23.00   X   2500   2500   No Surface   Continement   8 5/8"   23.00   X   2500   2500   No Surface   Continement   8 5/8"   23.00   X   2500   2500   No Surface   Continement   8 5/8"   23.00   X   2500   2500   No Surface   Continement   8 5/8"   23.00   X   2500   2500   No Surface   Continement   8 5/8"   23.00   X   2500   2500   No Surface   Continement   8 5/8"   23.00   X   2500   No Surface   Continement   8 5/8"   10   10   10   Continement   8 5/8"   10   10   10   Continement   10   10   10   Continement   10   10   10   Continement   10   10   10   Continement   10   10   Continement   10   10   10   Continement   10   Continement   10   Continement   10   Continement   10	DRILLING CONTRACT	TOR (IF	KNOWN)	Lit	tle Sv	viss Dril	ling Compa	iny		
Estimated depth of completed well 5000 feet. Rotary X / Cable tools / Approximate water streat depths: Fresh. 80 feet; salt, 2300 feet. Approximate coal seam depths: 320		A	ddress_	P.C	. Drav	ver P				
### Estimated depth of completed well   5000   feet; Rotary X / Cable tools / Approximate water strate depths: 320   feet; salt, 2300   feet. Approximate coal seam depths: 320   No X /    ### CASING AND TUBING PROGRAM  ### TABLE OF THE PROGRAM  ### TAB			-	Buc	khanno	on, West	Virginia	26201		
CASING OR TYPE Weight Weight FOOTAGE INTERVALS (CEMENT FILL PACKERS TUBING TYPE Size Grade per ft New Used ling Well Cubic ft.  Coal Conductor 16" X 20 20 To Surface Kinds  Fresh water Size Sizes Si	Estimated dept Approximate wa Approximate co	th of co ater str bal seam	mpleted ata dept depths:	well_ hs: 320	5000 Fresh, )	) fee • 80	feet;			
Weight Size Stade per ft New Used ling Weil Cubic ft.  Conductor 16"	CASING AND TUBING	G PROGRA	ım							
Size Grade per ft   New   Used   Hing   Well   Cubic ft.		SPE		ONS						KERS
Earductor 16"   X 20 20 To Surface Kinds Fresh water  Coal Intermed. 8 5/8" 23.00 X 2500 To Surface Fresh water  Fresh water  Coal Intermed. 8 5/8" 23.00 X 2500 To Surface Fresh water  Tubing		lGrade		1 New	lllsad		2			(SA)
Fresh water  Coal  Intermed. 8 5/8 23.00 X 2500 2500 To Surface  Production 14 1/2 23.00 X 5000 As Required Depths set  Tubing by Rule 15.01  Uners Perforations:  Top Bottom  MOTE: Regulation 7.02 of the Department of Mines provides that the original and four acquics of Form IV-2 must be filed with the Department, accompanied by (1) a plat in the form prescribed by Regulation 11, (2) a bond in one of the forme prescribed by Regulation 12, or in lieu thereof the other security allowed by Code 822-4-2, (it)  Form IV-9, "Reclamation Flat" applicable to the reclamation required by Code 822-4-12b and Regulation 23, (iv) interespectived by Code 822-4-2 ks from the same well, the fee required by Code 822-4-12c, and (v) if applicable, the consent required by Code 822-4-2 ks from the same rule or shelling within 200 feet of the proposed well.  A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.  HE PROMEDIAN EASTED AT THE WELL STE  HE PROMEDIAN EASTED AT THE WELL STE  HE PROMEDIAN BY NOT COMMENTED VITE CHAPTER 22.  WINCLE 4 OF THE W. VA. CODE IN ELECATION IS HERBAY  FRANCE AS IN THE W. VA. CODE IN ELECATION IS HERBAY  FRANCE COMMENTED VITE COMMENTED VITE CHAPTER 21.  WAS IN THE COMMENTED VITE COMMENTED VITE CHAPTER 21.  WAS IN THE W. VA. CODE IN ELECATION IS HERBAY  OPPERATIONS MY NOT COMMENTED VITE CHAPTER 21.  WAS IN THE W. VA. CODE IN ELECATION IS HERBAY  AND IN THE W. VA. CODE IN ELECATION IS HERBAY  FRANCE COMMENTED VITE COMMENTED VITE CHAPTER 22.  WAS IN THE W. VA. CODE IN ELECATION IS HERBAY  AND IN THE W. VA. CODE IN ELECATION IS HERBAY  OPPERATIONS MY NOT COMMENTED VITE CHAPTER 22.  WAS IN THE W. VA. CODE IN ELECATION IS HERBAY  AND IN THE WELL SEE  OPPERATIONS MY NOT COMMENTED VITE CHAPTER 22.  WAS IN THE W. VA. CODE IN ELECATION IS HERBAY  AND IN THE W. VA. CODE IN ELECATION IS HERBAY  AND IN THE W. VA. CODE IN ELECATION IS HERB		0. 400	per re	INCW	<del>-</del>	ļ	<del></del>		Kinds	
Intermed. 8 5/8! 23.00 X 2500 2500 To Surface Production 14 1/2! 23.00 X 5000 As Required Depths set Tubing  Uners									;	
Production 4 1/2		) [ [	23 00	- V	+	2500	2500	To Surface	Sizes	- 325
Tubing  Liners    Perforations:   Top Bottom						2300	<del></del>		Depths	set
NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code \$22-4-2, (iii) Form IV-3, "Reelamation Plan" applicable to the reclamation required by Code \$22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code \$22-4-12a, and (v) if applicable, the consent required by Code \$22-4-5 from the comer of any water well or abelling within 200 feet of the proposed well.  A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.  HE PERMIT MUST BE POSTED AT THE WELL SITE  LIPROVISIONS EMMG IN ACCOSDANCIANTH CHAPTER 22, RINCH 4 OF THE W. VA. CODE THE INCATION IS MERESY  PROVED FOR drilling THIS FIRMS HEALL EXPRES  PROVED FOR drilling THIS FIRMS HEALL EXPRES  The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, to the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the governing regularions.  Date:	Tubing							by Rule 15.	Q1	
NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code \$22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code \$22-4-12 and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code \$22-4-12a, and (v) if applicable, the consent required by Code \$22-4-5 a from the owner of any water well or dwelling within 200 feet of the proposed well.  A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.  HIS PERMIT MUST BE FOSTED AT THE WELL SITE.  LIPPOVISIONS EARS IN ACCORDANCE WITH CHAPTER 22.  RECLES 4 OF THE V. W. A. COBE THE LOCATION IS MERSEY  PREOVED FOR drilling THUS FEMBLE SHALL EXPIRE  PREOVED FOR drilling THUS FEMBLE SHALL EXPIRE  The indersigned coal operator  owner	Liners	<del> </del>		<del> </del>	ļ			, ,	···	
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copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code 822-4-22, (it)  Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code 822-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code 822-4-12a, and (v) if applicable, the consent required by Code 822-4-12a from the comer of any water well or dwelling within 200 feet of the proposed well.  A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.  HIS PERMIT MUST BE POSTED AT THE WELL SITE.  A PROVISIONS EXING IN ACCORDANCE WITH CHAPTER 22,  REMICE 4 OF THE V. VA. CODE, THE LOCATION IS HEREBY  FOREVATIONS HAVE NOT COMMENTED BY 11-5-82.  The including waiver must be completed by the coal operator and by any coal counter or coal lessee who has recorded a declaration under Code \$22-4-20, if the permit in the best issued within fifteen (15) days of receipt thereof:  The undersigned coal operator owner lesses of the well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.  By:  By:					<del> </del>					
or coal lessee who has recorded a declaration under Code \$22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:  \[ \frac{W}{A} \frac{I}{V} \frac{E}{R} \]  The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.  Date:, 19	required by 822-4-8a fi posed well. A separate where fractions and HIS PERMIT MUST BE PO LL PROVISIONS BEING ARTICLE 4 OF THE W. V/	y Code & com the form IV turing of is note STED AT TO ACCOME.	22-4-12c owner of 7-2 shall or stimul ed as suc HE WELL SI DANCE WI HE LOCATE	n, and any and any and all arting the on TE. THE CHAIN SHOW IS	l (v) a water be rec is to the Fo  PTER 22 HEREBY HALL EXI	if applic well or quired for the part orm IV-2	able, the dwelling or fracture of the w	consent requivithin 200 fe ing or stimul ork for which	uired by eet of t lating a h a perm	Code he pro- well it is
Date: , 19 . By:	or coal les is to be in  The undersigned of location has exam area of the well signed has no objuell operator has	oal oper ined the location complie	thin fit rator is proport, the we to the weed with	corded fteen / owr sed we ell lo	$\frac{1}{2}$ a dec $\frac{1}{2}$	elaration days of r VER / lesses cation. n has bee	under Co eccipt the/ of If a mine en added t	de \$22-4-20, ereof:  the coal und map exists to the mine mais location,	if the er this which co ap. The provide	well overs the under-
By:		u ( 0   1 U   1 )	<b></b>					;		· · · · · · · · · · · · · · · · · · ·
	Date:		9	•						Mile.
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Well	1 No.	C-40	)		
Far	(1)	Cotiga	Print 15 Mercel Fact Company and Co.	The same of the sa	
AFI	747	_059 _ une 17,	1016		
Dat	. J1	une 17,	1982	a planting and the second seco	

OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

# OIL AND GAS WELL PERMIT APPLICATION

FLL TYP:	: Sil / Gas <u>x</u> /	
	(If "Gas", Production $X$ / Und	erground storage / Deep / Shallow X /
OCATION	Flowation: 1650' Watersh District: Hardee County:	ed: Right Fork of Trace Fork Mingo Ouadrangle: Myrtle
ELL OPER Address	ATGR Seneca-Upshur Petroleum, Inc P.O. Box 2048	• DESIGNATED AGENT Seneca-Uphsur Petroleum, Inc. Address P.O. Box 2048
7 744	Buckhannon, West Virginia 26201	Buckhannon, West Virginia 26201
OYALTY O Address	Cotiga Development Company 25 Darby Road Paoli, Pennsylvania 19301	COAL OPERATOR None
Acreage	2,044.63	COAL OWED (C) WITH DECLARATION OF SECOND
URFACE 0: Address	WNER Georgia-Pacific P.O. Box 1808	COAL OWNER(S) WITH DECLARATION ON RECORD:  NAME Island Creek Coal Company  Address Pantsville, Kentucky 41240
Acreso	P.O. Box 1808 Augusta, Georgia 30909 2,044.63	
TELD SAL	E (IF MADE) TO:	NAMEAddress
AMEAddress		COAL LEGGE WITH DEGLARATION OF THE
		COAL LESSEE WITH DECLARATION ON RECORD: NAME None
IL AND GA	AS INSPECTOR TO BE NOTIFIED:	Address
		BECEIVE
ME Mddress	Arthur St. Clair P.O. Box 157	JUN 1 8 1982
	Brenton, West Virginia 24818	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
uve Poca	undersigned well operator is entitletion under a deed $_{ m X}$ dersigned well operator from $_{ m Coti}$	led to operate for oil or gas purposes at the/ other contract/ dated _ <u>Aug. 1</u> , 19 <u>79</u> , iga Development Co.
	est, Toase, or other contrast has	
Serdeg e	September 8, , 19 80, in the off	ice of the Clerk of County Commission of
Mino		3.C.L. 60 Book at page 92 . A permit is
THROPOTE	II work: Drill X / Drill Deeper	/ Redrill / Fracture or stimulate / / Perforate new formation /
	other physical change in	werr (spectry)
at state Dentre of Die of	planned as shown on the tracet coal operator, coal owner(s) tracy wish to make or are required of Mines within fifteen (15) days this Permit Application and the enteristered mail or delivered by had all lessees on or before the day at these of Mines at Charleston, We	work order on the reverse side hereof.  , and coal lessee are hereby notified that are to make by Code \$22-4-3 must be filed with the after receipt of this Application by the Dept closed plat and reclamation plan have been and to the above named coal operator, coal owner of the mailing or delivery of this Application
ar alland Dentmont Die of Died to Table of Table of	planned as shown on the tenet coal operator, coal owner(s) they wish to make or are required of Mines within fifteen (15) days this Permit Application and the enfective domail or delivered by had all lessees on or before the day at them of Mines at Charleston, We MIT COPIES OF ALL	work order on the reverse side hereof.  , and coal lessee are hereby notified that as a to make by Code \$22-4-3 must be filed with the after receipt of this Application by the Dept closed plat and reclamation plan have been and to the above named coal operator, coal owner of the mailing or delivery of this Application st Virginia.
ar a territorio de la composición de la composic	planned as shown on the tracet coal operator, coal owner(s) they wish to make or are required of Mines within fifteen (15) days this Permit Application and the entendistered mail or delivered by hat all lessees on or before the day at the of Mines at Charleston, We MIT COPIES OF ALL   ELOGS DIRECTLY TO:	work order on the reverse side hereof.  , and coal lessee are hereby notified that are to make by Code \$22-4-3 must be filed with the after receipt of this Application by the Dept closed plat and reclamation plan have been and to the above named coal operator, coal owner of the mailing or delivery of this Application
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Pertners  If a confidence of the first sector	planned as shown on the times coal operator, coal owner(s) they wish to make or are required of Mines within fifteen (15) days this Permit Application and the enfectivered mail or delivered by half lessees on or before the day at the of Mines at Charleston, We MIT COPIES OF ALL LEGS BIRECTLY TO:	work order on the reverse side hereof.  , and coal lessee are hereby notified that and to make by Code \$22-4-3 must be filed with the after receipt of this Application by the Dept closed plat and reclamation plan have been and to the above named coal operator, coal own of the mailing or delivery of this Application st Virginia.  Seneca-Upshur Petroleum, Inc.

### PROPOSED WORK ORDER

### THIS IS AN ESTIMATE ONLY:

ACTUAL T	NFORMAT				TED ON FO		UPON COMPLET	10N	
DRILLING CONTRACT	OR (IF	KNOWN)_	Lit	tle Sw	viss Drill	ing Compa	eny		
	A	ddress_	P.0	. Box	2048	·	t		`
		- Man: 1 (Man) 1871	Buc	khannc	on, West V	irginia	26201		
GEOLOGICAL TARGET Estimated dept Approximate wa Approximate co Is coal being	h of co ter str al seam	mpleted ata dept depths:	well_ hs: 320	5,00 Fresh	00 fee • 80/6	t. Rota 5deet; x/	ry X / Cab salt, 2	le tool Feet	S/
CASING AND TUBING CASING OR   TUBING TYPE	SPE	CIFICATI Weight			For Dril	- Left in	CEMENT FILL UP OR SACKS Cubic ft.		CKERS
Conductor 16"	urade	per re	Thew	X	20	20		Kinds	
Fresh water ?							:		
Coal Solution State   Intermed. 8 5/8	i	23.00	X	1-	350' 2600	35 <i>0'</i> 2600	CTS	Sizes	
Intermed. 8 5/8 Production 4 1/2		23.00	X		2600	2600 5000	To Surface As Required	in t	
Tubing	1	23.00	1-2	<del> </del>	-	2000	by Rule 15.	weptns )I	set
Liners							1		ations:
			1					Тор	Bottom
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