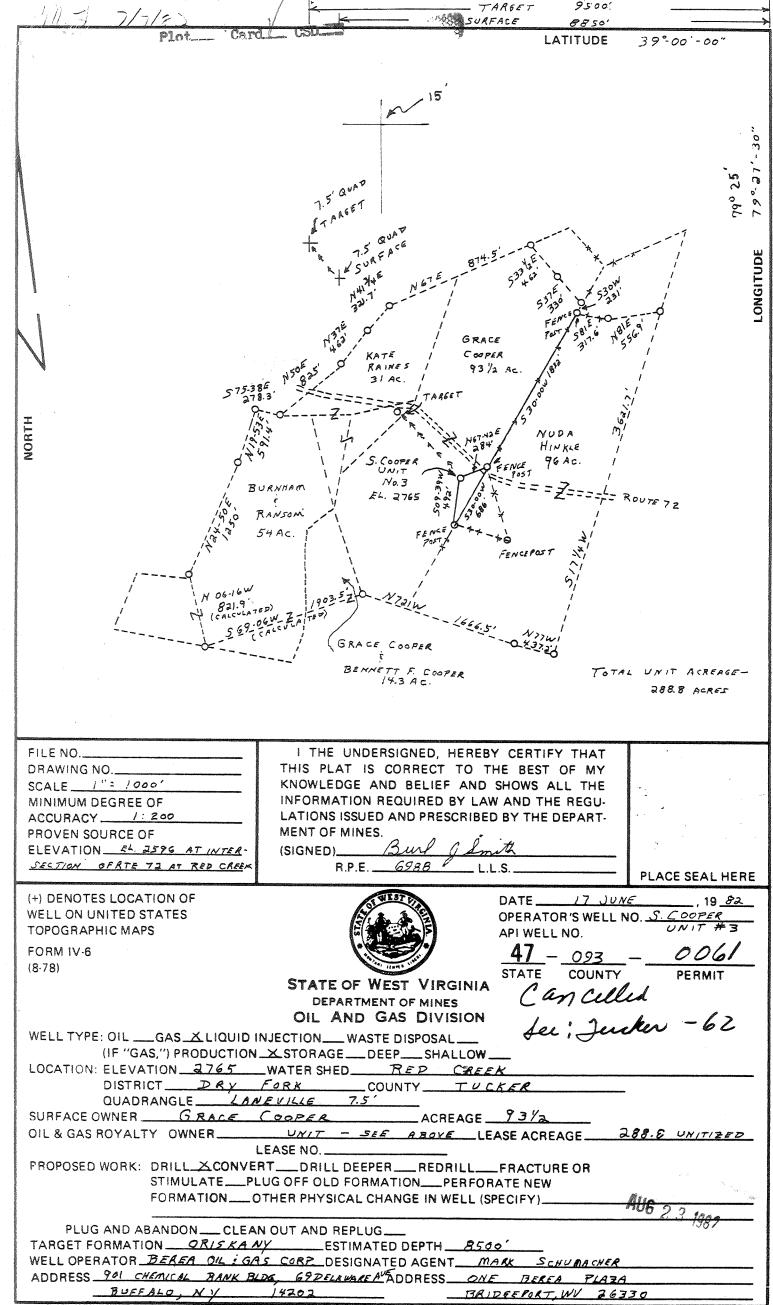
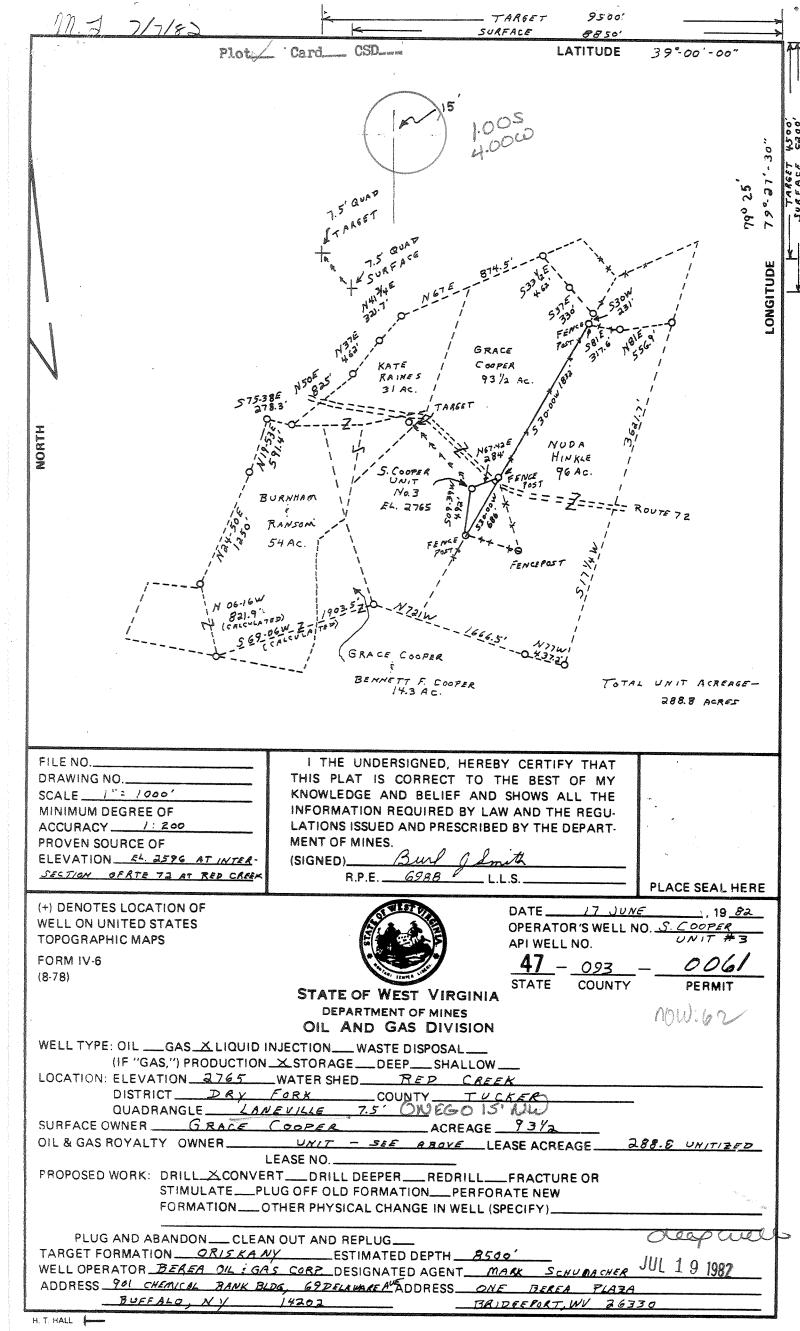


H. T. HALL

BUFFALO NY 14202 BRIDGE PORT WU



H. T. HALL



(Rev 8-81)

2 GAS DIVIS State of Mest Nieginia



Date_	October 29, 19	82
Operat Well N		#3
Farm_	Grace Cooper	
API No	0.47 - 093 -	0062

WELL OPERATOR'S REPORT

Department of Alines Mil und Cas Bivision

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

FIL TYPE: Oil / Gas X/ Liquid Injection (If "Gas," Production X/ Undergro	n/Wast und Storag	e Disposa e/ Deep	L/ p_X_/ Sha	1102/)
OCATION: Elevation: 2740' Watershed	Red Cree	ek		
District: Dry Fork County Tu	000 pp. 1000 000 000 000 000 000 000 000 000 0		_ Lanevil	le 7½"
				THE PROPERTY OF THE PROPERTY O
CMPANY Berea Oil & Gas Corp.				
DDRESS PO Box 299, Bridgeport, WV 26330	Casing	Used in	Left	Cement
DESIGNATED AGENT Thomas E. Riley, P.E.	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS PO Box 299, Bridgeport, WV 26330	Size			
SURFACE OWNER Grace Cooper	20-16 Cond.			
ADDRESS Dry Fork, WV 26263	13 3/8" "QKX&L		27.10'	
MINERAL RIGHTS OWNER See Exhibit A - Attached	9 5/8	3069'	2978'	1250 sks
ADDRESS	8 5/8	3003	2370	1 200 303
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7			
Stewart ADDRESS Box 345, Jane Lew, WV	5 1/2			
PERMIT ISSUED 8/19/82	4 1/2	7801'	7565'	300 sks
DRILLING COMMENCED 8/31/82	3	17001	1303	300 313
DRILLING COMPLETED 9/24/82	2 3/8"		7540'	
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REVORKING. VERBAL PERMISSION OBTAINED ONN/A	Liners used			
GEOLOGICAL TARGET FORMATION Oriskany		Dep	th 8500	feet
Depth of completed well 7801 feet 20, 278, 450,	Rotary X	/ Cabl	e T∞ls_	
Water strata depth: Fresh 482, 1593Feet;	Salt 23	20 feet		
Coal seam depths: 67', 100', 127'	Is coal	being min	ed in the	e area? No
OPEN FLOW DATA	_			demonstrates ( Constitution
Producing formation Oriskany	Das	v zona der	th 7620	foot
Gas: Initial open flow 1.5 M Mcf/d			***************************************	The second secon
or well Final open flow (1.2 M) Mcf/d			Company	
Met Time of open flow between init				
Static rock pressure 2475 psig(surface				
(If applicable due to multiple completion		ieic/ are	1 /2 !!!	mrs sinc ti
		v zone der	<b>*</b>	fact
Second producing formation  Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between ini-	tial and f	inal tests		C ITC
Static rock pressurepsig(surface	e mescurem	ontl after		· · ·
			. 67-7	וואב בטווה זי

P. 2 47-093-0062

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

CONFIDENTIAL

#### WELL LOG

			REMARKS
FURMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
			and salt water, coal, oil and ga
Sandy Shale	696	725	
Shale	725	731	
Sandy Shale	731	739	
Dark Shale	739	749	
Shale	749	767	
Sandy Shale	767	775	TO ANALYSIS OF THE PROPERTY OF
Red Rock	775	806	
Sandy Shale	806	858	• .
Sand	858	1070	
Sandy Shale	1070	1095	
Sand	1095	1140	
Sandy Shale	1140	1160	Francisco
Sand	1160	1297	Tababa
Red Rock	1297	1304	U
Sandy Shale & Red Rock	1304	1400	
Red Rock	1400	1430	
Sandy Shale	1430	1463	· ·
Red Rock	1463	1470	
Sandy Shale	1470	1474	
Red Rock	1474	1479	
Sandy Shale	1479	1687	Hole damp @ 1593'
Grey Shale	1687	1718	
Sand	1718	1725	
Sandy Shale	1725	1797	
Sand	1797	1800	
Shale	1800	1823	
Sandy Shale	1823	1868	
Sand	1868	1877	
Sandy Shale	1877	1880	
Sand	1880	1887	
Sandy Shale	1887	1897	
Sand	1897	1916	
Shale	1916	1922	
Sand	1922	1933	
Sandy Shale	1933	1946	
Shale	1946	1953	
Sandy Shale	1953	1963	
Shale	1963	1969	
Sand	1969	1982	
Shale	1982	1989	

(Attach separate sheets as necessary)

- CONTINUED ON P. 3

BEREA OIL & GAS CORP.

Well Operator

By: Ruley
Date: October 29, 1982

09362

## 

WEIL LOG

FORMATION COLOR HARD OR SOFT	TUP FEET	BOTTOM FEET	Licluding indication of all fresh
From Driller's Log:			and salt water, coal, oil and ga
Coal	0	67	l control of the cont
Sand	67	68	½" str wtr @ 20'
Shale	68 .	85	
	85	91	
Sandy Shale	91	100	
Coal	100	103	
Sand	103	127	
Coal	127	130	
Sand & Lime	130	168	
Sandy Shale	168 .	185	•
Shale	185	190	
Sandy Shale	190	195	
Red Rock	195	1	·
Sandy Shale	198	198	
Red Rock	200	200	
Sand	204	204	
Shale	209	209	
Sand	214	214	
Sandy Shale	8 5	222	
Red Rock	222	233	
Sandy Shale	233	236	
Shale	236	250	
Sand	250	278	* 00
Red Rock	278	285	1" str wtr @ 278
	285	290	·
Sandy Shale	290	310	T.
Shale & Red Rock	310	370	
Sand & Shale	370	445	
Sand	445	500	1/8" oth return 0 / 50 4
Red Rock	500	507	1/8" str wtr @ 450"
Sandy Shale	507	557	show of wtr @ 482'
Red Rock	557	583	•
Sandy Shale	583	590	
Sand	590 ·	624	
Grey Shale & Red Rock	624	632	
Sandy	632	641	
Shale	641	650	•
Sand	650	660	
Shale	660	674	
Sand	674	674 696	•
	(Attach sona	ate sheets as	

(Attach separate sheets as necessary)

- CONTINUED ON P. 2

October

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 of a well."

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

COLFIDERIAL

#### WEIL LOG

				REMARKS
FURMATION	COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh
				and salt water, coal, oil and gas:
	Sand	1989	2000	
	Sand & Shale	2000	2296	
	Sand & Share	2296	2310	Hole damp @ 2320' (salt wtr)
	Sandy Shale	2310	2310	TOTE damp & 2020 (Sail WII)
	-	2310	2438	
	Sandy	ž	x v	·
	Shale Shale	2438	2450 2469	
	Sandy Shale	2450	2 2	
	Shale	2469	2475	•
	Sandy Shale	2475	2484	
	Sand	2484	2486	Trans-
	Shale	2486	2549	
	Sand	2549	2554	
	Shale .	2554	2565	Palace
	Sand	2565	2578	
	Shale	2578	2588	Bloom
	Sand	2588	2590	The state of the s
	Shale	2590	2594	The state of the s
•	Sandy Shale	2594	2619	Process
•	Sand	2619	2890	
	Sandy Shale	2890	2968	
	Sand	2968	2981	Control of the Contro
	Sandy Shale	2981	3011	Security Control of Co
	Shale	3011	3015	
and the second second	Sandy Shale	3015	3038	
. 10	Shale	3038	3064	Charles St.
	Sandy Shale	3064	3069	
	Shale	3069	3650	SCHOOL CONTRACTOR OF THE CONTR
	Sand	3650	3711	D. Control
	Shale	3711	3720	
	Sandy Shale	3720	3773	
	Shale	3773	3783	·
	Sandy Shale	3783	3822	·
	Sand	3822	3866	
	Shale	3866	3897	Gas ck @ 3897' - No show
	Sandy Shale	3897	4085	Gas ck @ 4050' - No show
	Sand	4085	4110	
	Sandy Shale	4110	4203	
	Sandy Shale .	4203	4203	
	Sand . Sandy Shale	4224	4258	
	<del>-</del>	4258		
	Shale	4238	4262	

(Attach separate sheets as necessary)

-	CONTINUED	ON	Ρ.	4				
	***************************************		BER	ΕA	OIL	&	GAS	CORP

By: Date: October 29, 1982

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

COMFIDENTIAL

#### WHIL LOG

PURMATION	COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and que
9	Sandy Shale	4262	4296	
9	Shale	4296	4343	
	Sandy Shale	4343	4370	
;	Sand	4370	4605	Gas ck @ 4388' - No show
:	Shale	4605	4640	
	Sandy Shale	4640	4670	•
	Shale	4670	4685	
	Sand	4685	4700	Gas ck @ 4698' - No show
	Sandy Shale	4700	4813	
	Sand	4813	4883	
	Sandy Shale	4883	4910	
	Shale	4910	4980	
	Sandy Shale	4980	5291	
	Shale .	5291	5329	
	Sandy Shale	5329	5390	
	Shale	5390	5493	PER COLUMN TO THE COLUMN TO TH
	Sand	5493	5774	Gas ck @ 5514' - No show
	Sandy Shale	5774	6150	Gas ck @ 5835' - No show
	Shale	6150	6296	Gas ck @ 5930' - No show
	Sand	6296	6303	Gas ck @ 6216' - No show
	Shale	6303	6314	Gas CR & UZIO IIO SHOW
	Sand -	6314	6690	Gas ck @ 6556' - No show
	Sand & Shale	6690	6900	Gas Ck G OJO - NO Show
	Sand & Share	6900	6970	
No. 1	Shale	6970	7000	
	Sand	N ·	7000 7160	Gas ck @ 7062' - No show
	_	7000	5	
	Sand & Shale	7160	7281	Gas ck @ 7253' - No show
	Marcellus	7281	7392	
-	pensated Neutron-Formati			
	Marcellus Shale	7260	7398	
	Onondaga Lime	7398	7436	·
	Huntersville Chert	7436	7488	
	Needmore Shale	7488	7508	
	Oriskany Sand	7508	7698	Natural gas flow @ 7620' -1.5 MMcf
en j Jenja	Helderberg Lime	7698	7796	

(Attach separate sheets as necessary)

BEREA OIL & GAS CORP.

Well Operator

By: Louis L. Liley

Date: October 29, 1982

"The term 'lo: 'well lon' shall in a systematic

berea oil & gas corp.

69 Delaware Avenue • 711 Chemical Bank Building • Buffalo, New York 14202-3878

(716) 842-0711

### DIRECTIONAL SURVEY

G\_COOPER #3 47-093-0062

DEPTH(ft.)	DEVIATION ANGLE	BEARING
530 1226 2149 2732 3598 3967 4366 4646 4985 5514 5564 5742 5835 5930 6120 6240 6556 6590 6682 6759 6868 7032 7270	0°30' 1°00' 1°15' 2°15' 3°45' 4°00' 4°15' 4°30' 5°30' 6°15' 6°15' 5°30' 7°45' 7°45' 7°30' 7°30' 7°30' 7°30' 7°15' 6°15' 5°15'	S 76 E S 73 E S 70 E S 77 E N 75 E N 75 E N 76 E N 80 E N 80 E S 82 E S 62 E S 60 E S 50 E S 52 E

jc 10/28/82

Branch Offices

One Berea Plaza Routes 50/76 Bridgeport. West Virginia 26330 304 - 842-6931

#### EXHIBIT A

Attached to and made a part of Declaration of Pooling GRACE COOPER UNIT #3
Canaan Valley Field
Dry Fork District
Tucker County, West Virginia

#### LEASE DESCRIPTION

#### LANDS INCLUDED IN UNIT

- A. OIL AND GAS LEASES CONTRIBUTED BY UNITED RESOURCES INC.:
- Grace K. Cooper, Bennett F. & Mabel Cooper
   Dated 6-23-81
   Recorded in Oil & Gas
   Book 19, Page 178
- 2. Grace K. Cooper Dated 6-23-81 Recorded in Oil & Gas Book 19, Page 202.
- 3. Russell & Nuda C. Hinkle Dated 6-22-81 Recorded in Oil & Gas Book 19, Page 186.
- 4. James B. & Anne Burnham Dated 6-22-81. Recorded in Oil & Gas Book 19, Page 404.
- 5. Kate Raines
  Dated 6-23-81
  Recorded in Oil & Gas
  Book 19, Page 178.

14.3 acres, being a portion of the lands described in said lease and shown in Exhibit "B".

93.5 acres, being a portion of the lands described in said lease and shown in Exhibit "B".

94 acres, being a portion of the lands described in said lease and shown in Exhibit "B".

54 acres, being a portion of the lands described in said lease and shown in Exhibit "B".

31 acres, being a portion of the lands described in said lease and shown in Exhibit "B".

- B. OIL AND GAS LEASES CONTRIBUTED BY BEREA OIL & GAS CORP.:
- 1. Gray C. & Dortha K. Hinkle Dated 6-17-82 Recorded in Oil & Gas Book 20, Page 200

2. James A. & Barbara L. Hinkle Dated 6-17-82 Recorded in Oil & Gas Book 20, Page 202 one acre, being all the lands described in said lease.

one acre, being all the lands described in said lease.



OIL & GAS DIVISION
DEPT, OF MINES

FORM 1V-2 (Obverse) (12-81)



Date: June 21	, 1982
Operator's S. Coope	r Unit #3
ADI Wall No. 47	093 0061

Permit

State County

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

	OIL	AND GAS W	ELL PERM	IT APPLIC	ATION	
WELL TYPE:	Oil X /	Gas X /				
	(If "Gas", Product	ion/	Undergrour	nd storage	/ Deep/	Shallow/)
LOCATION:						
					Quadrangle:	
WELL OPERATO	R Berea Oil				AGENT Mark Schur	
	170 W. Hig			Address	One Berea Plaza,	P.O. Box 299
-	Ç	elphia, OH			Bridgeport, WV 20	5330
OIL & GAS	ER <u>See attach</u>			COAL OPERA	ATOR	
Address		PO				
Addiess						
Acreage	288.8			COAL OWNE	R(S) WITH DECLARAT	ION ON RECORD:
_	ER Grace Coop	er		Name		
						•
Address	Dry Fork,	WV 20203		•		
<b>A</b>	93.5			Name		
FIELD SALE (IF				• • • • • • • • • • • • • • • • • • • •		
Address		**************************************	Carried Control of the Control of th	COAL LESSE	EE WITH DECLARATION	N ON RECORD:
	DECTOR TO BE M	TICIEN	Annual Assessed Processing Services Conference			
	PECTOR TO BE NO					
	Robert Ste			1100100		
Address	Box_345, J					- 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
	Phone: (30					W 500
					e location under a deed	attached
other contract	/ dated	, p	19, to	the undersigned	l well operator from	
(IF said deed, lea	ase, or other contrac	t has been recor	rded:)			
Recorded on	, 19	, in the offic	ce of the Clerk	of the County C	ommission of	County, West
Va., in	Book	at page	<i>I</i>	A permit is reque	ested as follows:	
PROPOSED W	ORK: Drill X	Drill deeper	/ Red	rill/ Fr	acture or stimulate	_/
***************************************				e new formation		
	Other physica	i change in wen	(specify)			
	—planned as	shown on the w	ork order on	the reverse side	hereof.	
The shows now					t any objection they wish to	make or are required to
					) days after the receipt of	
Department.	on your or made				•	
=	Permit Application and	I the enclosed pla	at and reclama	tion plan have bee	en mailed by registered mai	l or delivered by hand to
•					he mailing or delivery of th	
the Department	of Mines at Charlest	on, West Virgin	nia.	BEREA	OIL & GAS CORP.	
GEOPHYSICAL	T COPIES OF ALL LOGS DIRECTLY		EIVE	170 W.	High Avenue iladelphia, OH 44	ı663
то:	Committee of the Commit	43		The state of the s	Well Operat	or o
CONSERVA	IA OIL AND GAS TION COMMIS-	JÜL	-0 6, <b>1982</b>	ву	long Gren	ull "
SION 1615 WASHING CHARLESTON,	TON STREET EAST WV 25311		gas divisio df MIN		ice President, Lar	nd
TELEPHONE: (	304) 348-3 <b>092</b>					

BLANKET BUND

### PROPOSED WORK ORDER

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

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 man.											• *	- +
Estimated depth of completed well, g., SOD	DRILLING CO	NTRACT	TOR (IF	KNOWN						_		
Estimated depth of completed well, 8, 500! feet Rotary x / Cable tools / Approximate water strata depths: Fresh, 100 feet; salk, 2,700 feet.  Approximate water strata depths: N/A					Ad	dress .		en e		-		
Estimated depth of completed well, 8, 500' feet Rutary x Cable tools						:						
Approximate water strate depths: Fresh, 100 feet; salt, 2,700 feet.  Approximate coal scam depths: N/A	GEOLOGICAL	TARGE	T FORM	IATION,	Or	iskan	ıy					
Approximate water strate depths: Fresh, 100 feet; salt, 2,700 feet.  Approximate coal scam depths: N/A Is coal being mined in the area? Yes I No X I CASING AND TURING PROCRAM  CASING OR SPECIFICATIONS SEED AT THE WELL SEED AS 100. TO SURFACE INTERVALS COMMENT FILLUP PACKETS  COMMING TYPE Size Orsal PP1 New Use For draining Left in well Cooler fresh Country  To Size Orsal PP1 New Use For draining Left in well Cooler fresh Cooler fr	Estimate	d depth (	of compl	eted wel	l,_8 <u>.</u> :	500°	fe	et Rotary	<u> </u>	Cable	e tools	/
Approximate coal seam depths: NA is coal being mined in the area? Yes / No X /  CASING AND TUBING PROGRAM  CREMING TYPE  Size forage per it new last of FOOTAGE INTERVALS  COMMITTERVALS											÷	
CONTROL OF THE WORK STATE OF THE VICE STATE OF THE WORK STATE OF T										S	/ No	x /
Cardiactor 13 3/8 H40 48 X 250' 250' to surface Kines  Conductor 13 3/8 H40 48 X 250' 250' to surface Kines  From Writer  Can 1								J		-		*
The parameter by Regulation 7,02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filled with the Department of Succession 12, or in the color of the Department of Mines provides that the original and four copies of Form IV-2 must be filled with the Department of Succession 12, or in the uncertainty part of the Department of Mines provides that the original and four copies of Form IV-2 must be filled with the Department of Mines provides that the original and four copies of Form IV-2 must be filled with the Department of Succession 12, or in the uncert fill the original and four copies of Form IV-2 must be filled with the Department of Succession 12, or in the uncert fill the original and four copies of Form IV-2 must be filled with the Department of Succession 12, or in the uncert fill the original and four copies of Form IV-2 must be filled with the Department of Succession 12, or in the Uncert fill the original and four copies of Form IV-2 must be filled with the Department of Succession 12, or in the Uncert fill the original and four copies of Form IV-2 must be filled with the Department of Succession 12, or in the Uncert fill the Unc	CASING AND	LODING	, I KOO	·								
This permit was been added to the work for which a permit is sought and is noted as such on the Form IV-2 filled in connection therewith.  This permit MUST BE POSTED AT THE WELL SITE.  The following waiver must be completed by the coal operator and by any coal owner 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 receipit thereof.  WAIVER  The undersigned coal operator has compiled by the well operator has been added to the mine map The undersigned has no objection to the work for more proposed well location. If a mine map exists which covers the required to the woll location has examined this proposed well operator.  WAIVER  Date:  19  19  19  19  19  19  19  19  19  1				<del></del>								
Presh Water  Cosl  Intermediate  9 5 / 8 155 36 X 3,100' 3,100' 1000' Fillup  Preduction  4½ N80 11.6 X 9,100' 9,100' 1000' Fillup  Depths set  Tobing  2 3 / 8 155 4.7 X 9,000'  Lines  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 lite undered from other accurring allowed by Code 22-42-42. (ii) Form IV-9.  "Reclamation Fina", applicable to the reclamation of their accurring and the prescribed by Regulation 12. or in lite undered from other accurring allowed by Code 22-42-42. (ii) Form IV-9.  "Reclamation Fina", applicable to the reclamation of the reclamatio				Weight	New	Used			OR SAÇK		PACKERS	
Predwater  Cosi  Intermediate  9 5/8 J55 36 X 3,100' 3,100' 1000' Fillup  Predwater  NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filled 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 2.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filled 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 2.0 of the Department of Mines provides that the original and four copies of Form IV-2 must be filled with the Department, accompanied by (ii) a plat in the form prescribed by Regulation 12, (ii) a bond in one of the forms prescribed by Regulation 2.0 of the Department of the Proposed by Regulation 12, (iv) unless previously paid on the same well, the fee required by Code 522-4-12a, and (v) if applicable, the consent required by Code 522-4-8a 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 by Code 522-4-12a, and (v) if applicable, the consent required by the part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.  THIS PREMIT MUST BE POSTED AT THE WELL SITE.  THIS PREMIT MUST BE POSTED AT THE WELL SITE.  THE PREMIT MUST BE POSTED AT THE WELL SITE.  THE PREMIT MUST BE POSTED AT THE WELL SITE.  The Collowing waiver must be completed by the coal operator and by any coal owner 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.  WAIVER  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, provided, the well operator has complied with all applicable requirements of the		13 3/8	3 H40	48	X		250'	2501	to surface	e	Kinds	
Intermediate 9 5/8 J55 36 X 3,100° 3,100° 1000° Fillup Perforations:  Toping 2 3/8 J55 4.7 X 9,000° 9,100° 1000° Fillup Depths set  NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filled with the Department accompanied by (i) a plat in the form prescribed by Regulation II, or in it is underestable to the prescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation II, or in it is underestable to the rescribed by Regulation III, or in it is underestable to the rescribed by Regulation III, or in it is underestable to the rescribed by Regulation III, or in the Regulation II, or in the Regulation II						<del>                                     </del>						
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Tobing 2 3/8 J55 4.7 X 9,000 Perforations:  Top Bottom  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 2. or in flex thereof the other security allowed by Code 3224-12. (iii) Form IV-9, "Rectamation Plan", applicable to the reclamation required by Code 5224-12a and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable, the consent required by Code 5224-12a, and (v) if applicable in connection therewith.  The spentification of the consent required by Code 5224-12a, and (v) if applicable in Code and the code of the well ocation, the well ocation has been added to the mine map. The undersigned coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-2a, if the permit is to be issued within fifteen (15) days of receipt thereof.  WAIVER  The undersigned coal operator power of the well ocation, the well location has been added to the mine map. The un	Intermediate	9 5/8	J55	36_	X		3,100'	3,100	1000' Fil	1up		***************************************
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Date: 17	proposed well The undersig	ll location. gned has r	If a ming no object	e map exi	ists w! e worl	hich co oprope	vers the area of osed to be don	of the well location in at this location	on, the well locatin, provided, the	on ha	s been added to	the mine man
Date: 17								Addition to the second				
	Date:	A		, 19		and the sales of t	·	-				
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FORM IV-2 (Obverse) (12-81)

TELEPHONE: (304) 348-3092



	•	State	County	Permit
	Yell No.		093	0062
Opera Well l	tor's	. Co	oper Un	it #3
Date:	Augus	st 17	, 19	82

# STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION TAND CAS WELL PERMIT APPLICATION

	OIL A	AND GAS WE	LL PERM	IT APPLICATION		
WELL TYPE:	Oil X / G	as x /				
White III.	Of "Cas" Producti	on /	Undergroun	d storage/	Deep X	/ Shallow/)
	27/1			Red Creek		
LOCATION:	Elevation.	7				Laneville 7.5'
•				DESIGNATED AGE	NT Mark	schumacher
	OR Berea Oil a					30x 299
Address	170 W. Hig					
	New Philad	elphia, OH	<u>446</u> 63		Briage	eport, WV 26330
OIL & GAS	NER See attach	ed		COAL OPERATOR		
Address			· · · · · · · · · · · · · · · · · · ·			
						· TOUR ON BECORD.
Acreage	288.8			COAL OWNER(S)	WITH DECLAR	ATION ON RECORD:
SURFACE OWN	NER Grace Coop	er		Name		
Address	Dry Fork,			Address		
Manicos		W. W				
A	02 5	***************************************		Name		
	93.5		- Control of the Cont			
	IF MADE) TO:			5 Toward And Andrews		
Address				COAT TECCE W	TT DECLADA	TION ON RECORD:
			and the second s			
	SPECTOR TO BE NO					
Name Ro	bert Stewart			Address		
Address	Box 345, Jane Le	ew, WV				
	Phone: (304)884-	-7782				
The undersign	ned well operator is enti-	tled to operate for	oil or gas pur	poses at the above loca	tion under a deed	See 1/ lease_ <u>X</u>
						artach
other contract_	/ dated	, I	٦, ١١	the undersigned wen	operator from	
(IF said deed, I	lease, or other contrac	t has been recor	ded:)			
Recorded on	, 19	, in the offic	e of the Clerk	of the County Commi	ssion of	County, West
Va., in	Book	at page_	<i>I</i>	A permit is requested	as follows:	
	WORK: Drill X					
PROPUSED		Dim Geope.		1111		
		armation				
	Plug off old f		_/ Perforat	e new formation	/	
	Plug off old f		_/ Perforat		/	
	Plug off old f	l change in well	_/ Perforat	e new formation		
	Plug off old f Other physica ——planned as	l change in well	_/ Perforate (specify) ork order on	the reverse side here	of.	
The above na	Plug off old f Other physica ————————————————————————————————————	shown on the wo	_/ Perforate (specify)  ork order on al lessee are h	the reverse side here	of.	sh to make or are required to
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BLANKET BURB

#### PROPOSED WORK ORDER

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

				bbA	ress _					
GEOLOGICAL	TARGE	T FOR	MATION		- Oris	kany				
							t Rotary	X / Cab	le tools	1
								00 feet.		*
										,
				N/A	<u> </u>	Is coal	being mined	in the area? Yes	/ No	<u> </u>
CASING AND	TUBING	PROG	RAM							
				,	***************************************					
CASING OR TUBING TYPE	SPE	CIFICAT Grada	IONS   Weight   per ft	New	Used		NTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
Conductor	13 3/8	н40	48	x		250.	2501	to surface	Kinds	
Fresh Water	3,0	22.10								
Coal									Sizes	
Intermediate	0 5 (0		<del>                                     </del>	1		0 3001	0.1008	10001 7:11		
	9 5/8		36	X		3,100'	3,100	1000' Fillup	Depths set	
Production	41/2	И80	11.6	X		9,100	9,100'	1000' Fillup	Deptits set	
Tubing	2 3/8	J55	4.7	X		9,000'				
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