







RECEIVED



IV-35 (Pev 8-81) FEB 2 - 1983

OIL AND GAS DIVISION Stude of Mest Birginia

Bepartment of Mines Gil und Cas Bivisien

Date December 29, 1982
Operator's
Well No. H-695
Farm G.Y. Rexroad
API No. 47 - 085 - 6087

WELL OPERATOR'S REPORT

OF OF

DRILLING, FRACTURING AND/OR STIMUL	ATING, C	R PHYSICAL	. CHANGE		
WEIL TYPE: Oil x 7 / Gas x / Liquid Injection (If "Gas," Production / Undergroup (If "Gas," Production / Undergroup (If "Gas," Production / Undergroup (Incomplete the County Ritch (Incomplet	lian Run	· · · · · · · · · · · · · · · · · · ·			
COMPANY Haught, Inc.				Ta+	
ADDRESS Rt. 3, Box 14 Smithville, WV 2617	8Casing	Used in	Left	Cement fill u	ų.
DESIGNATED AGENT Warren R. Haught	Tubing	, ,	in Well	Cu. f	t.
ADDRESS Smithville, WV 26178	Size			440,000	
SURFACE OWNER C & C Swadley	20-16 Cond.				
ADDRESS RFD 1 Harrisville, WV 26362	13-10"		op in the second of the second		
MINERAL RIGHTS OWNER G.Y. Rexroad	9 5/8			dhaqqa	
ADDERESS 899 VanBuren Clarksburg, WV 26301	8 5/8	1,053	1,053	175 s	sacks
OIL AND GAS INSPECTOR FOR THIS WORK Samuel N.	7				
Hersman ADDRESS Box 66, Smithville, WV	5 1/2		The state of the s		
PERMIT ISSUED December 15, 1982	4 1/2				
DRILLING COMMENCED 12/17/82	3				
DRILLING COMPLETED 12/23/82	2	-			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used				
GEOLOGICAL TARGET FORMATION Devonian Shale		Deg	oth 2640-	2656	_feet
Depth of completed well_2746; feet	Rotary_X	/ Cab	le Tools_		
Water ctrata depth: Fresh feet;	Salt	ree	C		
Coal seam depths: None	Is ∞a	l being mi	ned in th	e area:	. No
OPEN FLOW DATA Producing formation Sandy Shale below (Gordon P	av zone de	pth 2640.	-2656	_feet
Gas: Initial open flow Mcf/d	Oil: I	nitial ope	n flow		Bbl/d
Final open flow (1.119) Mcf/d	I	inal open	flow 0		Bbl/d
Time of open flow between init	tial and	final test	s l	nours	
Static rock pressure 225 psig(surface	ce measw	rement) aft	er 24 h	ours sh	ut in
(If applicable due to multiple completion	77)				
Second producing formation		Pay zone de	epth		_feet
Second producing Identition Gas: Initial open flow Mcf/d	Oil:	- Initial ope	en flow		Bbl/d
Final open flow Mcf/d	Oil:	Final open	flow		Bbl/d
Time of open flow between ini	tial and	final test	ts	hours	
Static rock pressurepsig(surface	e measur	ement) after	erh	iours st	nut in
Statit town bressme					

PURM IV-35 (PENESE)

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

WELL LOG

				Section 1	
				BOTTOM FEET	REMARKS Including indication of all fres
FORMATION	COLOR	HARD OR SOFT	TOP FEET	Borrow rum	and salt water, coal, oil and ga
R.R.	Red	Soft	0 -	8	
Shale	Gray	Soft	8	40	
R.R.	Red	Soft	40	59	
Shale	Gray	Soft	59	80	ф.
R.R.	Red	Soft	80	120	
Sand	White	Hard	120	127	
R.R.	Red	Soft	127	139	
Sand	White	Hard	139	144	
Shale	Gray	Soft	144	190	
Sand	White	Hard	190	223	
Shale	Gray	Soft	223 .	227	
R.R.	Red	Soft	227	295	
Sand	White	Hard	295	299	
R.R.	Red	Soft	299	357	
Shale	Gray	Soft	357	364	
R.R.	Red	Soft	364	371	
Shale	Gray	Soft	371	391	
Sand	White	Hard	391	405	
R.R.	Red	Soft	405	443	
Shale	Gray	Soft	443	452	
Sand	White	Hard	452	484	
Shale	Gray	Soft	484	490	
R.R.	Red	Soft	490	503	
Shale	Gray	Soft	503	506	·
Sand	White	Hard	506	530	
Shale	Gray	Soft	530	535	
Sand	White	Hard	535	550	
Shale	Gray	Soft	550	561	
R.R.	Red	Soft	561	569	
Sand	White	Hard	569	597	
Shale	Gray	Soft	597	607	
R.R.	REd	Soft	607	618	
Shale	Gray	Soft	618	6.19	
Sand	White	Hard	619	634	
Shale	Gray	Soft	634	642	
R.R.	Red	Soft	642	662	
Shale	Gray	Soft	662	682	
Sand	White	e Hard	682	695	
Shale	Gray	Soft	695	712	
Sand	White	e Hard	712	765	

(Attach separate si ets as necessary)

We.	11 Operator	1 :- 1	
By:	Warren K	, Daught	
Date:	1/3//83	, 0	

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 enal, encountered in the drilling of a well."

FORMATEON	COLOR H	ARD OR SOFT	TOP FEET	BOTTOM FEET
Shale	Gray	soft	765	820
R.R.	Red	Soft	820	896
Sand	White	Hard	896	913
Shale	Gray	Soft	913	1015
Sand	White	Hard	1015	1045
Shale	Gray	Soft	1045	1065
Sand	White	Hard	1065	1075
Shale	Gray	Soft	1075	1104
Sand	White	Hard	1104	1123
Shale	Gray	Soft	1123	1177
Shale	Gray	Soft	1177	1191
Shale	Gray	Soft	1191	1288
Sand	White	Hard	1288	1314
Shale	Gray	Soft	1314	1371
Sand	White	Hard	1371	1396
Shale	Gray	Soft	1396	1441
Sand	White	Hard	1441	1453
Shale	Gray	Soft	1453	1470
Sand	White	Hard	1470	1483
Shale	Gray	Soft	1483	1536
Sand	White	Hard	1536	1569
Shale	Gray	Soft	1569	1707
Sand	White	Hard	1707	1727
Shale	Gray	Soft	1727	1822
Sand	White	Hard	1822	1840
Lime 0,9	White	Soft	1840	1883
Sand Injun	White	Hard	1883	2200
Slate 🔪	Gray	Soft	2200	2640
Sand Gordon "	White	Hard	2640	2656
Slate	Gray	Soft	2656	2746
	non undi	f. Ø1.0.		

Date:	October	25,,	19.79

Operator's H-695

AFI Well No. 17 _ 085 _ 4421 State County Fermit

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

(Formerly: RIT-4217)

**					XXX
		OIL AND DAS WELL	PERMIT AFF	<u> </u>	
WELL TYPE:	011 X / Gas X	. /			•
. •			und stores	ŗ,	Deep Shallowx_^
	Elevation: 946				
					radrangle: Harrisville, WV 7½'
	OR Glenn L. Haugh				Warren R. Haught
Addres	Smithville, WV	26178		Address	Smithville, WV 26178
OIL & GAS					None
ROYALTY OWN	er <u>Clyde & Clau</u>	de Swadley	COAL	OPERATOR	None .
Addres	s <u>Harrisville, W</u>	V 26362		Address	
Acreag	e <u>84</u>		COAL	OWNER(S)	WITH DECLARATION ON RECORD:
SURFACE OWN	er <u>M. Grace Heck</u>	et als	Name		
Addres	s <u>Harrisville,</u>	WV 26362	;	Address	
	ALL CONTROL OF THE PROPERTY OF	f.,			
Acreag	e <u>84</u>	.* 	Name		
FIELD SALE	(IF MADE) TO:			Address	001291979
Name					
Addres	S		COAL	LESSEE W	ITH DECLARATION ON REGORD:
	Activities to the control of the con		Name	None	The principles of the principl
OIL & GAS I	NSPECTOR TO BE NOTIF	IED		Address	
Name Kenn	eth Paul Goodnig	ht			
Addres	s Smithville, WV	26178			
	Phone: 477-36	60			
_			d +0 0505	542 fam 5	il or gas purposes at the above
	••	_			
	well operator from				ted <u>February 1,</u> , 1978, to the
-	ed, lease, or other			*	the County Commission of Division
					the County Commission of Ritchie
					. A permit is requested as follows:
PROPOS					racture or stimulate/
		old formation/			
	Other phys	sical change in well	. (specily		
	•	as shown on the wor			
					ssee are hereby notified that any
_					3 must be filed with the Department
					tion by the Department.
					nd reclamation plan have been mailed
					rator, coal owner(s), and coal lesse
on or befor	re the day of the ma	iling or delivery o	f this Per	mit Appli	ication to the Department of Mines a
Charleston	, West Virginia.				
DIFACE CHE	MIT COPIES OF ALL				
	L LOGS DIRECTLY TO:				
	NIA DIL AND GAS VATION COMMISSION			Glann	I Haught & Sons
1615 WASHI	NGTON STREET EAST			<u> </u>	L. Haught & Sons
	, WY 25311 (304) 389-3092			MI	P Dhush

BLANKET BOND

By Manen R. Haught
Partner

FORM IV-20 (Reverse)); 7:

PROPOSED WORK ORDER

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

				Address	Smithville,	WV 26178		
EOLOGICAL :	CARGET	FORMAT	TON,	В	ig Injun			••
Estimat	ed dep	th of	complet	ed well	, 2150	feet	Rotary X /	Jable tools
Approxi	mate w	ater s	trata d	epths:	Fresh, 50 fe	et; salt,	feet.	
Approxi	Tate o	oal se	am dept	hs: <u>No</u>	ne Is a	cal being mi	ined in the area	r Yes Yes X
ASING AND T							•	
ASING OR	11		 IFICATI	ONS	FOOTAGE I	NEW TOLLAR	# c	n
JBING TYPE	Size	1	:Weisht	1 . 1	sed For iniling		CEMENT FILL-TR	PACKERS
nductor						2017 211 7022		Kinds
resh water	8 5/8	8 K-5	20#	Х	200 '.	200'	75 sacks	5
al							~	Sizes
termediate								
<u>rauction</u>	41/2	J - 55	10.5#	х		2150'	100 sacks	Depths set
ring n		-						
ners								Perforations:
			, •					Top Bottom
•								
200 fe where	et of A fractu	the pr separa rina o	oposed : te Form r stimu	ode § 2; vell. IV-2 si latina	nall not be require	22-4-125 and ed by Code Swher of any red for fraction work for	turing or stime	, (iv) unless (v) if applicable, velling victin
200 fe where is not	et of A fractu ed as	the preservent separating of such of	oposed : te Form r stimu n the Fo	ode § 22 well. IV-2 si lating to orm IV-2	e-4-3a from the officer from the officer from the part of officed in connect	22-4-12t and edity Code & wher of any red for fracthe work for tion therewi	d Regulation 23, 22-4-12a, and water well or during or stime	, (iv) unless (v) if applicable, velling victin
200 fe where is not	et of A fractu ed as HIS PE	the prisegrand ring of such of	oposed to Form r stimun the Fo	ode § 2: well. IV-2 s; lating form IV-2	P-4-3a from the of natl not be required to be part of the filed in connect	32-4-12t and early Code Suner of any rea for fractine work for the rewi	d Regulation 23, 22-4-12a, and water well or during or stime	, (iv) unless (v) if applicable, velling victin
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200 fe where is not A of	et of A fractu ed as HIS PEI II pravi the V r d peration Deputy	RMIT A cons k	oposed te Form r stimu n the Fo AUST BE coing in Code, th ng not comm or - C	ode § 2: vell. IV-2 si lating form IV-2 POSTE accorda location Thi menced be recard	the few required of the second	22-4-18t and early Code Swher of any rea for fraction therewith the work for the wo	r and by any or	(iv) unless (v) if applicable, welling within lating a well is sought and
200 fe where is not A of	et of A fractu ed as HIS PEI II pravi the V r d peration Deputy	RMIT A cons k	oposed te Form r stimu n the Fo AUST BE coing in Code, th ng not comm or - C	ode § 2: vell. IV-2 si lating form IV-2 POSTE accorda location Thi menced be recard	that I not be required to be part of the sort of the part of the sort of the s	22-4-18t and early Code Swher of any rea for fraction therewith the work for the wo	r and by any or	(iv) unless (v) if applicable, welling within lating a well is sought and
200 fe Where is not	et of A fractu ed as HIS PEI II provi ihe V r d Depuh folio coal 1 to be	RMIT A cons k v. Va. rilling shave v. Direch	oposed te Form r stimu n the Form Code, the ng not comm or - Comm	ode \$ 2: well. IV-2 si lating to provide the location of the condense of the	ivision The fee required by the ed a declaration of the content o	22, ed	r and by any of 22-4-20, if the 22-4-20, if th	(iv) unless (v) if applicable, velling vithin lating a well is sought and
200 fe where is not The form is ation has ation has work prop	et of A fractu ed as HIS PE ll provi the V r d peration follow coal l to be under: examin, the to	RMIT A cons by Va. Ya. rilling shave	aiver mission as proposed	ode \$ 2: ode \$ 3: ode \$ 2: ode \$ 3: ode \$	that I not be required to be part of a filed in connect of the with Chapter and is hereby approved by the constant of the cons	22, ed coal operato under Code S ceipt thereo lessee mine map ex ine map. Th	r and by any or 22-4-20, if the class which care in the class which care and by any or 22-4-20, if the class which care and making the class which care and and care	(iv) unless (v) if applicable, welling within lating a well is sought and
200 fe Where is not The or is The ation has I location work prop	et of A fractu ed as HIS PE ll provi the V r d peration follow coal l to be under: examin, the to	RMIT A cons by Va. Ya. rilling shave	aiver mission has within	ode \$ 2: ode \$ 3: ode \$ 2: ode \$ 3: ode \$	ivision The few required by the education of the part	22, ed coal operato under Code S ceipt thereo lessee mine map ex ine map. Th	r and by any or 22-4-20, if the class which care in the class which care and by any or 22-4-20, if the class which care and making the class which care and and care	(iv) unless (v) if applicable, velling within lating a well is sought and comment e peanit
200 fe where is not The or is The ation has ation has work oron	et of A fractu ed as HIS PE ll provi the V r d peration follow coal l to be under: examin, the to	RMIT A cons by Va. Ya. rilling shave	aiver mission as proposed	ode \$ 2: ode \$ 3: ode \$ 2: ode \$ 3: ode \$	ivision The few required by the education of the part	22, ed coal operato under Code S ceipt thereo lessee mine map ex ine map. Th	r and by any or 22-4-20, if the class which care in the class which care and by any or 22-4-20, if the class which care and making the class which care and and care	(iv) unless (v) if applicable, velling within lating a well is sought and comment e peanit



DEPARTMENT OF MINES

NFC 2 6 1978

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Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

•	
TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	Date December 7, 1978
Surface Owner Clyde & Claude Swadley	Company Glenn L. Haught & Sons
Address Harrisville, WV 26362	Address SMithville, WV 26178
Mineral Owner M. Grace Heck et als	Farm Swadley Acres 84
Address Harrisville, WV 26362	
Coal Owner	
Address	
Coal Operator NONE	Quadrangle_Harrisville, WV 7½ '
Address	
THIS PERMIT MUST BE POSTED AT THE WELL SITE	
All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved	
	INSPECTOR
	TO BE NOTIFIED Kenneth Paul Goodnight
operations have not commenced by 5-2-79	ADDRESS Smithville, WV 26178
7,467 1 148	PHONE 177 2660
Debuty Director - Oil & Gas Division	PHONE 477-3660
GENTLEMEN:	
The undersigned well operator is entitled to drill u	apon the above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or	lease dated February 1 1978 by Ritchie
Petroleum Corp _{made to} Warren R. F	Haught and recorded on the 2nd day of Feb.
1978 in Ritchie Lease County, Book 1	-24 Page 566
+ XX NEW WELL DRILL DEEPE	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY D	
The enclosed plat was prepared by a registered enhave been notified as of the above date.	gineer or licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are to make by Section 3 of the Code, must be received by	hereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were ma or coal owners at their above shown respective addre same day with the mailing or delivery of this copy to	ailed by registered mail, or delivered to the above named coal operators day
•	Very truly yours,
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	GLENN L. HAUGHT & SONS (Sign Name) BY: Washers of January
WEST VIRGINIA GEOLOGICAL AND	Smithwill MIN 26170
ECONOMIC SURVEY	Address Smithville, WV 26178 Street
P. O. BOX 879	of ell Operator
MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	City or Town
	State

*SECTION 3.... It no objections are filed or found by the Department of mines, within said period of ten days from the receipt of motice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

PLANET DONA

47-085-4217

__PERMIT NUMBER

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	XX DRILL	DEEPEN FR	ACTURE-STIMULATE
DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT:	•
NAME Glenn L. Haugh	nt & Sons	NAME Warren R.	Haught
ADDRESS Smithville, V	W 26178	ADDRESS Smithvil	le, WV 26178
TELEPHONE 477-3333			3333
ESTIMATED DEPTH OF COMPI	LETED WELL:2150'		CABLE TOOLS
PROPOSED GEOLOGICAL FOR	MATION: Big Injun		
TYPE OF WELL: OIL_	GAS CO.	MB. xx STORAGE	DISPOSAT
_			ODOTHER
		- WHILM I DO	OTHER
TENTATIVE CASING PROGRAM	1 :		
wmenterprinted to the control of the	Biber was protect on the sum of t	ANNOTATION THE PROPERTY OF THE	<u> </u>
CASING AND TUBING SIZE	USED FOR DRILLING	LIGHT IN	CEMENT LILL UP
20 - 16			OR SACKS - CUBIC 11.
13 - 10			And the second of the second o
9 - 5/8			
8 - 5/8	200'	2001	75 spaka
7		200	75 sacks
5 ½			
4 1/2		2150'	100 sacks
3			Perf. Top
2			Perl' Bottom
Liners		No en dechiz deve	Perf. Top Perf. Bottoin
		1	Pert. Bottom
		i reigse beier koos	The state of the s
APPROXIMATE FRESH WATER APPROXIMATE COAL DEPTHS	DEPTHS50 FEET	SALT WATER _	FEET
APPROXIMATE COAL DEPTHS	None	The second secon	
IS COAL BEING MINED IN THE	E AREA?no	BY WHOM?	
TO DRILL:		##	वर्षी कारी है कि कि अध्यक्ति राज्य है।
SUBMIT FIVE (5) COPIES	OF OG - 1, \$100.00 PERMIT	DEE DEDECTIVATION DO	AND AND DODGE
OF PLAT.	1, \$100.00 I HIGHII	FEE, FERFORMANCE BO	ND AND PERMANENT COPY
TO DRILL DEEPER OR REDRIL	τ		
WELLS DRILLED PRIOR T	OF OG - 1, SHOWING ORIGINA O 1929, A PERMANENT COP	AL PERMIT NUMBER AND Y OF THE PLAT AND TH	PERFORMANCE BOND. ON
MUST ALSO BE SUBMITTE	D.	. Or THE TEAT AND IT	TE ORIGINAL WELL RECORD
TO FRACTURE - STIMULATE:		·	
	CICINALIV DDILLED DEDORE		
BOND, PERMANENT PLAT	RIGINALLY DRILLED BEFORE AND ORIGINAL WELL RECO	FJUNE 5, 1929, FIVE (5) CO	OPIES OG - 1, PERFORMANCE
	RIGINALLY DRILLED ON AND		Divin contra og - guom
ING ORIGINAL PERMIT NU	MBER, AND PERFORMANCE BO	OND.	FIVE COMES OG - 1, SHOW-
four (24) hours in advance.	within ninety (90) days of con	apietion for bond release. I	nspector to be notified twenty-
The state of the s		PATE - TOTAL STATE AND A STATE OF THE STATE	TOTAL CONTINUES OF THE PARTY OF
The following waiver must b	e completed by the coal operat	or if the permit is to be is:	and within ton days of receipt
thereof.		or and permit is to be say	seed whilin win days of receipt
WAIVER: I the undersigned, Ager	nt for	Coal Company, Owner o	or Operator of the good under
this lease have examine	d and place on our mine maps	this proposed well location	n.
	Coal Company hav		
providing operator has c	omplied with all rules and regular	tions in Articles 4.5 and 7	Charles 00 and this location,
Code.			Chapter 22 of the West Virginia
,			
		For	Coal Company
			Itsicial Title
		ĺ.	RESIDER INC

DRILLING CONTRACTOR:



1)	Date:	December 9	, 19
2)	Operator's	H_605	

Permit

Well No._ 47 3) API Well No. State County

STATE OF WEST VIRGINIA

						WELL PERMIT	,			
A WELL TWO		7	4.0	9/	,					
4) WELL TYPE			_/ Gas oduction _	X		Underground ste	orage	/ Deep	/ Shallow	
5) LOCATION		tion:	461				Indian R		Jilanow .	,
	Distri	· ·	urphy		-	county.	chia	Quadrangle		Hile, M
6) WELL OPER	RATOR	Maught	merson	Avens	10	11		TED MOENT	en R. Haught	
Address			sburg.	_	26104	and the second	Address	Smithville		
7) OIL & GAS									al libra married	
ROYALTY		-	akroad,			12		ERMION_	None	_
Address	8	66 11			sburg	, WV 26301	Address			
Acreage	- 8	34) COAL OW	NER(S) WITH DECI	LARATION ON RI	ECORD:
8) SURFACE O	WNER	Clyde !	& Claud	a Sw	idley		Name			
Address	- 1	larrim	ville,	WV :	26362	_	Address			
Acreage	- 8	34			- UUVA	_	Name			
9) FIELD SALI	E (IF MAD	E) TO:					Address			
Address		Cahor (1005	<u> </u>		100	SISTEMATICAL STREET	
OH B CAS			NOTIFIE		325	14		SSEE WITH DECLAR	RATION ON RECO	ORD:
OIL & GAS			No Her				Name	The second second		2000
Address	1	2.0. Bo	ax 66			5671	1 14441 055			
		mithy:	**		11.78					
5) PROPOSED	WORK:	Drill				/ Redrill_		Fracture or stimulate		
			ysical chang				ew formation.			
6) GEOLOGIC	AL TARGE									
17) Estimate					000	feet				
		AND DOG	hs: Fresh,				alt,	feet.	/ 27-	57
19) Approxim						Is coal	being mined if	the area? Yes	/ No	00
20) CASING AN	D TUBING	3 PROGR	AM					44.4		
CASING OR TUBING TYPE		SPI	ECIFICATION Weight	s I		FOOTAGE	INTERVALS	CEMENT FILL-I OR SACKS	UP PACKE	RS
	Size	Grade	per ft.	New	Used	For drilling	Left in we			-
Conductor Fresh water	8-5/8	K-55	20#	x		1046'	1046	Cement po	Kinds	
Coal			200			207.0	2030	Comments 40	Sizes	
Intermediate										
Production	415"	1-55	10.5#	X			5000'	\$00 sack	Depths set	
Tubing							Indian		Perforations:	
									Тор	Bottom
										-
Check and pr		The section is a	wing.							
				continu	ng contr	act or contracts b	y which I hole	d the right to extract o	oil or gas.	
			2-4-1-(c) (1)	through	(4). (Se	ee reverse side for	specifics.)			
22) ROYALTY P Is the right to			arket the oi	l or gas	based up	on a lease or othe	r continuing co	ontract or contracts pro	oviding for flat well	royalty or any
similar provis	ion for cor	npensation	to the own					rently related to the ve		
produced or r				eded. I	the answ	wer is Yes, you m	ay use Affida	vit Form IV-60.		
23) Required Cop	ies (See rev	verse side.)								
								led by registered mail of elivery of this Permit		
Mines at Cha	rleston, W	est Virgini	a.					and the		
Notary:	My 12	10/-	elsen -			and the sile		Mary Dar State		12/10
My Commissio	n Expires_	1-4/52/	4 62 1	18.28		-	Its:	Soft Arta	11725 1721 678	
					OF	FICE USE O	NLY			
1000	740834	6007	-			RILLING PER		December	15-	10 912
Permit number _	SARIE O				-				Date	19
This permit coveri	ng the well	operator	and well loo	cation s	hown bel	low is evidence of	f permission g	ranted to drill in acco	rdance with the per	tinent legal re
quirements subject	to the con	ditions co	ntained here	ein and	on the re	everse hereof. No	tification mus	at be given to the Distr	ict Oil and Gas Ins	pector.
(Refer to No. 10) I proper district oil	and gas ins	pector 24	hours befor	e actua	ns and pi	ed work has com	menced.)	ldition, the well operate	or or ms contractor	ondir from y th
Permit expires			15, 19	183				enced prior to that date	and prosecuted with	due diligence
Bond:	Agen	t:	Plat:	(Casing	Fee	7.	6 70	endatelle	
1000	16					25/11	-	Administrator Offic	on of Oil and Gos	