				Mana	h 1/	83
		WEST	1) Date	THE RESIDENCE OF STREET		19_83_
		St. D. S. E	2) Oper Well	No	ne11 #2	1609
1 2			3) API	Well No. 47 State	County	Permit
					n tell telloll A	
		WEST VI	RGINIA DIVISIO	N	Facility of the Control of the Contr	4
V-2	ST	ATE OF MINES, OIL	AND GAS	1000	Parties and the second	
- CTOR:	DEPARTMENT	WELL PERM	IT APPLICATE	11 TO TO THE	/ Shallow -	X
LING CONTRACTOR	ST. DEFARTMENT 26105 V. Gas X. Decoduction	GAS WEE		, Deep -	THE PARTY WAY DESIGNATION OF THE PARTY OF TH	(E.)
acon Resource	26105	-16	1 storage	2110	ngle: Schultz	
enna, w.	Y / Gas X	Undergroun	Sharps Sharps	Quadra	alter H. Al. 7th Street	len
		Watershed:	Pleasants	TED AGENT W	aller ant-	105
B (II	dion: 875	Corp	11) DESIGN	#1-	7th Street	100
b) LOCATION: Distr	Jefferson Jefferson Resources - 17th St.	S COIF	pl zeste statistic	Vienna		10
WELL OPERATOR 1	- 17th St. 26	105	12) COALO	PERATOR	The state of the s	
Address Vi	- 17th St. enna, W. Va. 26	-mo11 -	12) COAL O	ess —	AS 445	PECORD:
	7:11ian A.		(B01) (A+0)**	-PY(E) WIT	H DECLARATION O	N RECORE
7) OIL & GAS ROYALTY OWNER 3!	Lillian A. Or. 55 Riverside Dr. Warys, W. Va	. 25170	13) COAL	OWNER(3)	1 19 1 6 18 1 112 113 113 11 1 1 1 1 1 1 1 1 1 1 1	100
Addiess	- Mal Vo		Name	iress	- Tell Marie	IC IS
A creage 4	9 Action A. Cor	nei	Aut			<u> </u>
8) SURFACE OWNE	R Lillian A. Co. 305 Riverside D. W. V.	25170	Name		(-) (-)	187 67 6m7 .
Address	st Mary	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	A	ddress —	10112	SECORD:
				L LESSEE WITH	H DECLARATION OF	KECOKD.
9) FIELD SALE (II	MADE) TO: Consolidated (345 00.	14) COA	ne	MAR	17 198
Address -		THE RESERVE OF THE PARTY OF THE		Address		
10) OIL & GAS IN	SPECTOR TO BE NOTIFIED obert Lowther	761	W 10 10 1400	Tales A	OILA	ND GAS L EPARTMENT
Name	D1- and #1-100	W. Va.		/ Fracture	or stimulate X	
Address	Mi dd lenoutile	Drill deeper	Redrill	開発ないととなったという。これをは、日本の日本の日本の		101
15) PROPOSED V	VORK: Drill	ation	Perforate new fo		Tyrotenelore	141-1-10
	Other physical char	nge in well (specify) Marcellus			WILL TRUNCHE OF A	000 10
CEOLOGICA	TARGET FORMATION, -	4000'	feet	-0-	A	
16) GEOLOGICA	depth of completed well,	000	feet; salt,_	ng mined in the area	_feet.	/ No_
A A	nate water strata depths: Fres	n/a	Is coal bell	ig illinia	To d within how	m 0 10
19) Approxi	ID TUBING PROGRAM			-	GENT FILL-UP	Speles
	SPECIFICATI	ONS	FOOTAGE IN	September 7 15	R SACKS	PACKERS
CASING OR TUBING TYPE	Size Grade Weight per ft.	YVand	For drilling	Left in well	ubic feet)	BOOL AND
Conductor		20 11 11 11 11 11 11 11 11 11 11 11 11 11	975	975	Kind	NEDT
Fresh water	8-5/8"	10 20 1 1 WALL OF	DESCRIPTION OF THE PARTY OF THE	Charles un	Sizes	4-111
Coal			nate place to be	/000 F	D	3545
Intermediate	4-1/2"		4000 T.D.	3900 T	.D. 3305% Dept	hs set OR
Tubing	2"	10 50 8 1 1 1 1 1	3900	3900	by R	4/2 1
Liners				and the second	Perf	orations:
					To	9
10			S. Indiana			
21) EXTRACT			Secureth is			Abril 10
Incl	provide one of the following: uded is the lease or leases or of requirement of Code 22-4-1-(c	ther continuing con	tract or contracts	which ra	mil beste	16
☐ The	requirement of Code 22-4-1-(c	(1) through (4). (See reverse side for sp	pecifics.)	to extract	50g
22) ROYALTY	PROVISIONS		物に入るようなできます。		835.	(4)
similar pro	to extract, produce or market the vision for compensation to the remarketed? Yes No Stove is No, nothing additional copies (See reverse side.) his Permit Application and the operator, coal owner(s), and contained to the operator. John E. Sm. July 1.	owner of the oil	or gas in place who	ontinuing contract	Of contract	
If the answer at	r marketed? Yes No No	is parded to a		of inherently r	elated to the	
23) Required C	opies (See reverse side.)	is needed. If the an	swer is Yes, you ly u	ise Affidant	the volutor fla	t well row
24) Copies of t	his Permit Application and the	enclosed plat and	reclamation plants	Forn	IV-60 oil o	or gas so extra
Mines at C	harleston, West Virginia.	coal lessee on or be	fore the day of mail:	een mailes		sas so extr
Notary:	John E. Sm	i++1.		8 Or 1 Oy Pan		
My Commiss	ion Expires July 1	6. 1007		velivery es	METAN	
		, 1991	Signed	1	Ms p. mail or	
Permit number	47-072	OF	14:6	201	deliva	
This permi	573-1609	DD	FICE US NI	1	ppligar	
quirements subject	ng the well operator	DR	LLING RMI	AC	- Orugan	
proper district oil	ior to the	ocation shows		16	en x	ton
Permit expires	Nove	and on the reve	w is evide of pern		13	to the above
Bond:	Agert 22, 1982	e actual permitts for	or any anim	1/ax	11 3	to the above
1 56	Plat:	The same of the sa	work his commenced	de Ch	1116	P
NOTE: P	of this permit posted at the dri	Casing	unless rilling is co	drill	5 / / /	6
Keep one cop	of th:	Les .	Fee	e well a		
	permit posted at	11	99	Operator	4	1
	ine dri	illing location		and tor or	With I	
	and the well operator and well he to the conditions contained he did not to the construction of roads as inspector 24 hours before November 22, 1983 Agent: Plat: Of this permit posted at the driver of the conditions of the con			Te and	CONG. A. JO 8	3
				Dros	actor Ment	
				100	a Priva	

Line Item Explanation

- Date of Application 1)
- Your well name and number 2) 3)
- To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced and which are not the racult of condensation of gas at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground recervoirs. "Gas" magnetal natural gas and all other fluid hydrocarbons not defined at the wen in inquid form by ordinary production methods and which are not the result of condensation of gas as oil
- "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of 4B) the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower. "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower. Where well is located 5)
- Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be
- Use separate sheet if necessary
- 8) Present surface owner at time application is filed. 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to
- 3 & 14)
 - 15) Work that will be attempted—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 16)
 - Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in
 - All coal seam depths
 - Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01,
 - Code 22-4-11(c) Ineu of filing the lease or leases or other continuing contract or contracts, the applicant for a 21) permit described hein may file the following:
 - (1) A brief desction of the tract of land including the district and county wherein the tract is located;
 - (2) The identificon of all parties to all leases or other continuing contractual agreements by which the right to extract, pduce or market the oil or gas is claimed;
 - (3) The book arpage number wherein each such lease or contract by which the right to extract, produce or market the or gas is recorded;
 - (4)A brief desotion of the royalty provisions of each such lease or contract.
 - Regulation 7.07 the Department of Mines provides that the original and four copies of Form IV-2 must be fil-Code 22-4-11(d) d 22-4-11(e).
 - Regulation 7.07 the Department of the original and four copies of Form IV-2 must be filled with the Determent, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of ed with the Determent, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of ed with the Determent, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of ed with the Determent, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of ed with the Determent, accompanied by (ii) a plat in the form prescribed by Regulation 11, (iii) a bond in one of ed with the Determent, accompanied by (ii) a plat in the form prescribed by Regulation 11, (iii) a bond in one of ed with the Determent, accompanied by (ii) a plat in the form prescribed by Regulation 11, (iii) a bond in one of ed with the Determent, accompanied by (iii) a plat in the form prescribed by Regulation 12, or in lieu thereof the other security allowed by Code 822 4.2 division in the code by Regulation 12, or in lieu thereof the other security allowed by Code 822 4.2 division in the code by Regulation 12, or in lieu thereof the other security allowed by Code 822 4.2 division in the code by Regulation 12, or in lieu thereof the other security allowed by Code 822 4.2 division in the code by Regulation 12, or in lieu thereof the other security allowed by Code 822 4.2 division in the code by Regulation 12, or in lieu thereof the other security allowed by Code 822 4.2 division in the code and the ed with the Detment, accompanies of the plant in the form prescribed by Regulation 11, (ii) a bond in one of the forms pretty allowed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form the forms pretty plant, applicable to the reclamation required by Code §22-4-12b and Regulation 22. the forms pre on Plan', applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) "Recly paid on the same well, the fee required by Code §22-4-12a; and (v) if applicable, the consent re
 IV-9, "Recly paid on the same well, the owner of any water well or dwelling within 200 feet of the proposed." Well, paid on the same well, the required by Code §22-4-12a; and (v) if applicable, the consent re-unless preverse §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

med coal operator, coal ower(s), and coal lessee are hereby notified that any objection they wish the above required to make by Code 2-4-3 must be filed with the Department of Mines within fifteen (15).

The above required to make hy Code 2-4-3 must be filed with the Department. The above required to make vy the Department. to Mande records

objects

ent of Mines within

the coal operator and by any coal owner or coal lessee

22-4-20, if the permit is to be issued within fifteen (15)

WAIVER Thas received a declaration under Co. 22-4-20, if the permit is to be issued within fifteen (15) The indies the fire miles with all applicable resources the area of the well location, provided, the well location, provided, the well location, provided, the work proposed to be done at this location, provided, the well location, provided, the work proposed to be done at this location, provided, the work proposed to be done at this location, provided, the work proposed to be done at this location, provided, the work proposed to be done at this location, provided, the work proposed to be done at this location, provided, the work proposed to be done at this location, provided, the work proposed to be done at this location, provided, the well location has ex
The indies are a contraction of the well location has been location, provided, the well location has been location has

API#: 47-

S

49 ACRES Jefferson	DISTRICT	Pleasants	COUN	MY, W
ACINO				
Bounded as follows: on the North by	W. Va. Pulp	& Papers Co.		
on the East by	Hammett			
on the South by	Sigler			
on the West by	Hammett			
	OG	Percent M Royalty est (of 1/8ths)	Recor BK	rding PG
Lessors & Address	1/8 n	lus 1/32 override	181	44
Mrs. Lillian A. Cornell	1/0 p.	145 1/52 01011	101	
305 Riverside Dr.	100			•
St. Marys, W. Va. 25170				
· · · · · · · · · · · · · · · · · · ·				
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2012 T. R. P. W.				
TO THE STATE OF TH				
L.	1187 (118 etc.) 10 (20 etc.)		4.5	
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	Part of the second			
				-

RECEIVED

MAR 1 7 1983

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

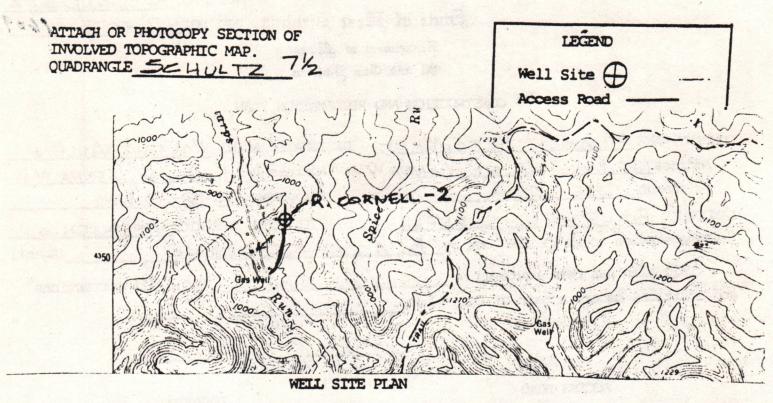
DATE MAR 4, 1983

API NO. 47 - 073 - 1609

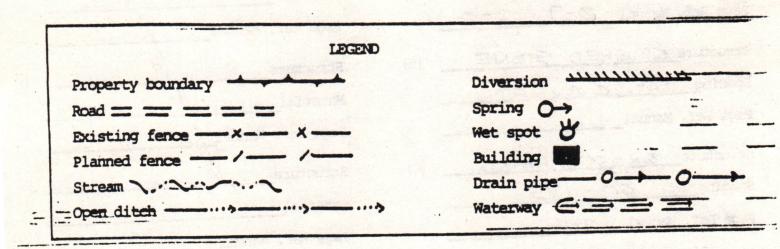
State of Mest Birginia Bepartment of Mines Gil und Gas Division

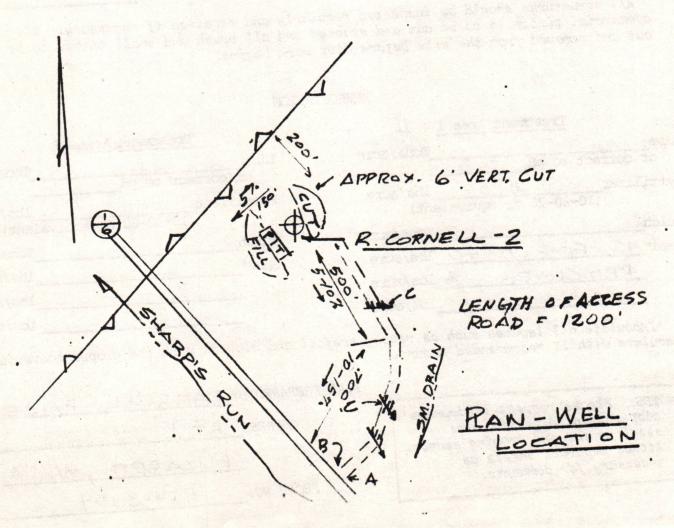
CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME BEASON RESOUR	RCES D	ESIGNATED A	GENT WALTER	ALLEN
Address Nº 1, 17TH ST., VIE	EN/A/A W/ WA	Address	VO1 17-11	MEAN MIL
Telephone 295-3284	HANN, TO DA		295-32	
LANDOWNER RALPH L. CORNE				
		SOTT COVE	DISTRICT UPP	EB OHIO
Revegetation to be carried out by_				
This plan has been reviewed by	Upo	er Ohio	SCD. All	corrections
and additions become a part of this pl	lan:	3/11/83		
	7	(Date)	1 22	
	- 15	(SCD Age	Marie	
ACCESS ROAD		(our raje	,	
			LOCATION	•
Structure 15" EULVERT	(A)	Structure		(1)
Spacing .		Material		X (11)
Page Ref. Manual 2-7 2-8	•	¥		1
2 , 2	With the Control of t	Page Ref.	Manual /	<i>O</i>
Structure CRUSHED STONE	(B)	Character	14	
Spacing AT ZULVERT	10)	Structure	· · · · · · · · · · · · · · · · · · ·	(2
		Material_	h	- 1
Page Ref. Manual		Page Ref.	Manual 4	
Structure ZROSS DRAINS			4	Theory II.
Spacing	(C)	Structure	_ N	(3
Spacing 60-135		Material	and the second s	and the paper
Page Ref. Manual 2-4		Page Ref. N		
All structures should be inspected commercial timber is to be cut and staut and removed from the site before	dirt work	and repaire all brush a begins.	ed if necessary. Ind small timber	All to be
	VECETATION			
Lime Treatment Area I + II		. т	reatment-Area	
or correct to pH 6,5	I	ime		Man - /
Fertilizer 500 Hoo lbs/a-	No. of the second	or correc	et to pH_	Tons/acre
(10-20-20 or equivalent)	F	ertilizer	10. 20. 20	_ lbs/acre
Mulch 2 Tons/acre	М	ulch	10-20-20 or equ	ivalent)
Seed* KY FESSUE 40 lbs/acre		ed*		Tons/acre
RED CLOVER 8 1bs/acre	777			lbs/acre
lbs/acre				lbs/acre
*Inoculate all legumes such as vetch, Inoculate with 3% recommended amount.	trefoil and	l clovers w	ith the proper	lbs/acre
. 6				
NOTES: Please request landowners'			RELL A	DICE
seedling for ore read	. ADDI	RESS RT	1	
Attach separate sheets as		FLIZ	ABETH , M	1.1/2
necessary for comments.	PHONE		DE IH, N	1. VA
	• 44 VIII	(WI)	111 19 4 100	



Sketch to include well location, existing access road, roads to be constructed, wells drilling pits and necessary structures numbered or lettered to correspond with the fire part of this plan. Include all natural drainage.





IV-35 (Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES
State of Mest Hirginia

Department of Mines Gil und Cas Bivision

Date 6-29-83
Operator's
Well No. R.L. Cornell #2
Farm R.L. Cornell
APT No 073 - 1600

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	HARPS RU	'N	And the second	en de la companya de
District: JEFFERSON County PLEAS.	ANTS	Quadrangl	e SCHUL	TZ
COMPANY BEACON RESOURCES CORPORATION				
DORESS #1 17th Street, Vienna WV 26105 ESIGNATED AGENT RUSSELL T. POOLE:	Casing Tubing	Used in Drilling	Left	Cement fill up Cu. ft.
DORESS 2794 VALLEY MILLS RD. PKBG, WV SURFACE OWNER LILLIAN A. CORNELL 26101	Size 20-16			
DDRESS 305 RIVERSIDE DR. ST. MARYS WV 2517	0 = 10			
DDRESS 305 RIVERSIDE DR. ST. MARYS WV 25170	8 5/8	975'	975'	CTS
OWTHER ADDRESS MIDDLEBOURNE, WV	5 1/2		in Year	
RILLING COMPLETED 6-2-83	4 1/2	4100	4100	330SKS
F APPLICABLE: PLUGGING OF DRY HOLE ON ONTINUOUS PROGRESSION FROM DRILLING OR EWORKING. VERBAL PERMISSION OBTAINED N	Liners used			
Depth of completed well 4173 feet Rowater strata depth: Fresh 800 feet; School Seam depths: N/A	salt -0	_/ Cable		fee area?
PEN FLOW DATA				
Producing formation MARCELLUS	Pay			///IX / TPP
Producing formation MARCELLUS Gas: Initial open flow 20 Mcf/d Final open flow 250 Mcf/d	il: Ini	tial open	flow SHO	W Bbl/c
Gas: Initial open flow 20 Mcf/d (Final open flow 250 Mcf/d Time of open flow between initial Static rock pressure 1100 psig(surface)	Dil: Ini Fin ul and fin measurem	tial open al open fl mal tests_	flow SHO ow 50 8 hou	Bbl/d
Gas: Initial open flow 20 Mcf/d (Final open flow 250 Mcf/d Time of open flow between initial	Dil: Ini Final and fin measurem Pay	tial open al open fl nal tests_ ent) after zone depti	flow SHO ow 50 8 hour h	Bbl/d

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

PERFORATED: 36 HOLES 3670'-4087'

FRACTURED: 1st STAGE BROKE @ 3000 # 1,000,000 SCF N2

2nd STAGE BROKE @ 2800 # 1,400,000 SCF N2

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
	length of the second		
SANDS TONE	1040	1220	
SHALE GRAY	1220	1230	
SANDSTONE	1230	1490	
SHALE GRAY	1490	1590	
SANDSTONE	1590	1850	
SHALE GRAY	1850	1920	
SILTSTONE	1920	2290	
SHALE	2290	2490	
SILTSTONE/SHALE	2490	2870	
SHALE/SILTSTONE)	2870	2950	
SILTSTONE GRAY	2950	3050	
SHALE/SILTSTONE	3050	3180	
SILTSTONE	3180	3270	begin be in the interest
. SHALE/SILTSTONE	3270	3370	
SILTSTONE/SHALE	3370	3730	
SILTSTONE	3730	3780	
SHALE	3780	4080	
SHALE/SILTSTONE	4080	4160	
SHALE	4160	TD	
			7.

(Attach separate sheets as necessary)

VISTA DIL AND GAS CORPORATION
Well Operator

By: Russell T. Poole

Date: 07/01/83

FORM IV-36	ROV 1 4 1984	
[08-78]		
	NOV 1 4 1984	

corrected 11/07/84

CONTRACTOR OF

Date: _	7–16	, 19_84
0		

Operator's

Well No. RL Cornell #2

API Well No. 47 - 073 - 1609 State County Permit

OIL & GAS DIVISION

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

WELL OPERATOR'S REPORT
OF
INITIAL GAS-OIL RATIO TEST

Perforation Interval 3670-4087 UIDELINES FOR TESTING: 1- A minimum of gas vented or flared 2- A 24 hour preflow into pipelines or tanks 3- Uniform producing rate during the 24 hour test per test period 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation SI 5- Separate Form IV-36 for each producing formation in a multiple completion TEST DATA		AGENTJohn Smittle	DESIGNATED AGENT		sources Corp	PERATOR Beacon Re	ELL OPE
Perforation Interval 3670-4087 **JOBELINES FOR TESTING:** 1- A minimum of gas vented or flared 2- A 24 hour preflow into pipelines or tanks 3- Uniform producing rate during the 24 hour test per test period 4- Measumement standards as for Form IV-39, "Report of Annual Production" (see Regulation II 5- Separate Form IV-36 for each producing formation in a multiple completion TEST DATA		No. 1 17th Street	Address		70	ddress PO Box 53	Add
Perforation Interval 3670-4087 UIDELINES FOR TESTING: 1- A minimum of gas vented or flared 2- A 24 hour preflow into pipelines or tanks 3- Uniform producing rate during the 24 hour test per test period 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation SI 5- Separate Form IV-36 for each producing formation in a multiple completion TEST DATA		Vienna, WV 26105	<u> </u>		V 26105	Vienna, W	
UIDELINES FOR TESTING: 1- A minimum of gas vented or flared 2- A 24 hour preflow into pipelines or tanks 3- Uniform producing rate during the 24 hour test per test period 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 27 5- Separate Form IV-36 for each producing formation in a multiple completion TEST DATA	fee	Depth 4000			N: <u>Marcell</u>	ICAL TARGET FORMATIC	EOLOGICA
1- A minimum of gas vented or flared 2- A 24 hour preflow into pipelines or tanks 3- Uniform producing rate during the 24 hour test per test period 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation II 5- Separate Form IV-36 for each producing formation in a multiple completion TEST DATA START OF TEST-DATE TIME END OF TEST-DATE TIME DURATION OF TEST 1-9-84 10:00am 1-10-84 10:00am 24 hours TUBING PRESSURE CASING PRESSURE SEPARATOR PRESSURE SEPARATOR TEMPERATURE 300 120 OIL PRODUCTION DURING TEST GAS PRODUCTION DURING TEST WATER PRODUCTION DURING TEST & SALINITY 11 bbls. PRODUCTION METHOD (Flowing, pumping, gas lift, etc.) OIL GRAVITY PRODUCTION METHOD (Flowing, pumping, gas lift, etc.) ORIFICE DIAMETER PIPE TAP L-10 CRITICAL FLOW FROVER ORIFICE DIAMETER PROSSURE RANGE PROVER SOLITIVE CHOKE SIZE - IN. 2,067 DIFFERENTIAL PRESSURE RANGE MAX. STATIC PRESSURE RANGE PROVER & ORIFICE DIAM II GAS GRAVITY (AIr-1.0) FLOWING TEMPERATURE GAS GRAVITY (AIr-1.0) MEASURED Y ESTIMATEC	fee	erval 3670-4087	oration Interval	Perfo	× .		
2- A 24 hour preflow into pipelines or tanks 3- Uniform producing rate during the 24 hour test per test period 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation SI 5- Separate Form IV-36 for each producing formation in a multiple completion TEST DATA TEST DATA START OF TEST-DATE 1 TIME 10:00am 1-10-84 10:00am 24 hours TUBING PRESSURE CASING PRESSURE SEPARATOR PRESSURE 10:00am 24 hours TUBING PRESSURE CASING PRESSURE 120 OIL PRODUCTION DURING TEST GAS PRODUCTION DURING TEST & SALINITY 11 bbls. OIL GRAVITY PRODUCTION (Flowing, pumping, gas lift, etc.) TOBIT OF TEST-DATE 1 TIME 10:00am 1-10-84 10:00am 24 hours SEPARATOR TEMPERATURE OIL GRAVITY PRODUCTION OURING TEST WATER PRODUCTION DURING TEST & SALINITY 10 bbls. OR PRODUCTION (Flowing, pumping, gas lift, etc.) OR PRODUCTION (Flowing, pumping, gas lift, etc.) OR PRODUCTION POSITIVE CHOKE CRITICAL FLOW FROVER 10 CRITICAL FLOW FROM FROM FROM FROM FROM FROM FROM FROM						INES FOR TESTING:	UIDELINI
START OF TEST-DATE TIME END OF TEST-DATE 10:00am 24 hours TUBING PRESSURE CASING PRESSURE SEPARATOR PRESSURE 120 OIL PRODUCTION DURING TEST GAS PRODUCTION DURING TEST WATER PRODUCTION DURING TEST & SALINITY 11 bbls. Dpm. OIL GRAVITY PRODUCING METHOD (Flowing, pumping, gas lift, etc.) FLANGE TAF FIPE TAP L-10 POSITIVE CHOKE CRITICAL FLOW PROVER ORIFICE DIAMETER PIPE DIAMETER (INSIDE DIAM.) NOMINAL CHOKE SIZE - IN. 3/4" 2.067 24/64 DIFFERENTIAL PRESSURE RANGE MAX. STATIC PRESSURE RANGE PROVER & ORIFICE DIAM IN. OIL GRAVITY (Air-1.0) FLOWING TEMPERATURE	.0:)	Production!! (and Dear Tari	of Annual Drad.	24 hour test p	nto pipelines rate during the rds as for For	 A 24 hour preflow Uniform producing Measurement standa 	2- A 3- U 4- M
1-9-84 10:00am 1-10-84 10:00am 24 hours TUBING PRESSURE CASING PRESSURE 300 120 OIL PRODUCTION DURING TEST GAS PRODUCTION DURING TEST WATER PRODUCTION DURING TEST & SALINITY 11 bbls. 48 Mcf bbls. ppm. OIL GRAVITY PRODUCTION PRODUCTION DURING METHOD (Flowing, pumping, gas lift, etc.) FLANGE TAF FIPE TAP L-10 POSITIVE CHOKE CRITICAL FLOW FROVER ORIFICE DIAMETER ORIFICE DIAMETER PIPE DIAMETER (INSIDE DIAM.) NOMINAL CHOKE SIZE - IN. 2.067 24/64 DIFFERENTIAL PRESSURE RANGE MAX. STATIC PRESSURE RANGE PROVER & ORIFICE DIAM IN. 500 OIL GRAVITY (Air-1.0) FLOWING TEMPERATURE			7105	TEST DATA	TIME	START OF TEST_DATE	
TUBING PRESSURE 300 120 OIL PRODUCTION DURING TEST GAS PRODUCTION DURING TEST WATER PRODUCTION DURING TEST & SALINITY 11 bbls. 48 Mcf bbls. ppm. OIL GRAVITY PRODUCING METHOD (Flowing, pumping, gas lift, etc.) FLANGE TAP FIPE TAP L-10 POSITIVE CHOKE CRITICAL FLOW FROVER ORIFICE DIAMETER PIPE TAP L-10 NOMINAL CHOKE SIZE - IN. 3/4" 2.067 PIPE DIAMETER (INSIDE DIAM.) NOMINAL CHOKE SIZE - IN. 3/4" 2.067 PRODUCTION NOMINAL CHOKE SIZE - IN. 3/4" 2.067 PROPERSSURE RANGE PROVER ORIFICE DIAM IN. DIFFERENTIAL PRESSURE RANGE MAX. STATIC PRESSURE RANGE PROVER & ORIFICE DIAM IN. DIFFERENTIAL PRESSURE RANGE STATIC GAS GRAVITY (AIr-1.0) MEASURED X ESTIMATED GAS GRAVITY (AIr-1.0) FLOWING TEMPERATURE		DURATION OF TEST	10:00am				
OIL GRAVITY PRODUCING METHOD (Flowing, pumping, gas lift, etc.) Flange Tap ORIFICE DIAMETER ORIFICE DIAMETER DIFFERENTIAL PRESSURE RANGE DIFFERENTIAL CAS PRODUCTION POSITIVE CHOKE CRITICAL FLOW FROVER ORIFICE DIAMETER PIPE DIAMETER (INSIDE DIAM.) NOMINAL CHOKE SIZE - IN. 2.067 MAX. STATIC PRESSURE RANGE PROVER & ORIFICE DIAM IN. STATIC GAS GRAVITY (Air-1.0) MEASURED X ESTIMATED GAS GRAVITY (Air-1.0) MEASURED X ESTIMATED				SEPARATOR PRESS	CASING PRESSURE	TUBING PRESSURE	-
GAS PRODUCTION MEASUREMENT METHOD FLANGE TAP		bbls. ppm. pping, gas lift, etc.)	bbls. (Flowing, pumping,	48 Mcf	bbls.	OIL GRAVITY 11	
MEASUREMENT METHOD FLANGE TAP				CAS PRODUCTIO			
3/4" 2.067 MAX. STATIC PRESSURE RANGE DIFFERENTIAL 20" -2" GAS GRAVITY (Air-1.0) FLOWING TEMPERATURE AMOUNT TO THE STATE CONTROL STATE		VE CHOKE X	POSITIVE CHO		PIPE TAP		
DIFFERENTIAL DIFFERENTIAL 20" -2" GAS GRAVITY (Air-1.0) FLOWING TEMPERATURE MAX. STATIC PRESSURE RANGE PROVER & ORIFICE DIAM 1". GAS GRAVITY (Air-1.0) MEASURED X ESTIMATED			E DIAM.) NOMINAL				
GAS GRAVITY (Air-1.0) FLOWING TEMPERATURE GAS GRAVITY (Air-1.0) FLOWING TEMPERATURE		OVER & ORIFICE DIAM III.	RANGE PROVER 8	STATIC PRESSURE		DIFFERENTIAL PRESSUR	
				IC	"	20'' -2	
.75 GAS TEMPERATURE		S TEMPERATURE F	GAS TEMP	ING TEMPERATURE			
24 HOUR COEFFICIENT. 24 HOUR COEFFICIENT		HOUR COEFFICIENT	24 HOUR			24 HOUR COEFFICIENT.	
PRESSURE - psia		ESSURE - psia					-
DAILY OIL DAILY WATER DAILY GAS GAS-OIL PATIO		T are an erec	-		DALLY WATER	DALLY OIL	-
DAILY OIL DAILY WATER DAILY GAS GAS-OIL RATIO 11bbls. bbls. 48 Mcf. 4.36 SCFASTE					DATET WATER		_

Beacon Resources Corp.

Well Operator

Ken Wharton

Its: Completions Manager

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION DEPT. OF MINES

Permit No. 073-1609	Oil or Gas Well			
Company Beacon Resourses	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address Vilnna W. Var Farm Lillian A. Cornell	Size 16			Kind of Packer
District Pleasen County Plasant Drilling commenced 6-3-83	2 ¹⁰ / 8 ¹ / ₄ / 6 ⁵ / ₈	1015	1015	Size of
Drilling completedTotal depth/262 Date shotDepth of shot	5 3/16			Perf. top
Initial open flow/10ths Water inInch Open flow after tubing/10ths Merc. inInch	Liners Used			Perf. bottom Perf. top Perf. bottom
VolumeCu. Ft. Rock pressurelbshrs.	CASING CEMENTAL NAME OF SER			5 No. FT6-5-83
Oilbbls., 1st 24 hrs.				FEETINCHES
Fresh waterfeetfeet Salt waterfeetfeet				FEETINCHES
Drillers' Names Dick Bunham CH. Manning Con Remarks:	Tool	susk	ALES	FEETINCHES

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS			
						W 20
ARM		DISTRICT		OUNTY		
illing Material Used						
iner Loc	cation	Amount	Packer	Location		X
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
	5-11/15					
			13/62			
			· · · · · · · · · · · · · · · · · · ·	De la constantina della consta		
(307)	X 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		,			
	and have to be a special contract of participation.			1		
rillers' Names						
					CHI TIND TO DESCRIPTION OF THE OWNER OWN	
emarks:						
DATE	I hereby certify I	visited the above	ve well on this date.			
DATE						
					RICT WELL	

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

Permit No. 073-1609

OIL & GAS DIVISION

DOIL OF GLOW WEIF MINES

Company Beacon Resources	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Vienna W.Var	Size			
Farm L. Cornell	16			Kind of Packer
Well No. 2	13			
District Ilfluser County Plana	ten.	7-		Size of
Drilling commenced	65/8	11/2:-	1112 =	Depth set
Drilling completed 6-8-83 Total depth 4173	53/16/2	4/35	4135	
Date shotDepth of shot	3			Perf. top
Depth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. in Inch				Perf. bottom
VolumeCu. Ft.	CASING CEMEN	NTED 4 /2	_size 4/3	35 _{No. FT} 6-8-83
Rock pressurelbshrs.	NAME OF SER	VICE COMPA	NY Now	sco
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh waterfeetfeet	FEET_	INCH	ES	FEETINCHES
Salt waterfeetfeet	FEET_	INCH	ES	FEETINCHES
Drillers' Names				
Remarks:				

6-8-83

R.A. Lowtler

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

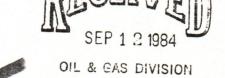
INSPECTOR'S PLUGGING REPORT

	We	II No	
	COUNTY		
2.5			
24		Ar.	
Packer	Location	1	
GES	CASIN	G AND TU	BING
ON-LOCATION	RECOVERED	SIZE	LOST
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ati	e.	e.	e.

DISTRICT WELL INSPECTOR







DEPT. of MINES

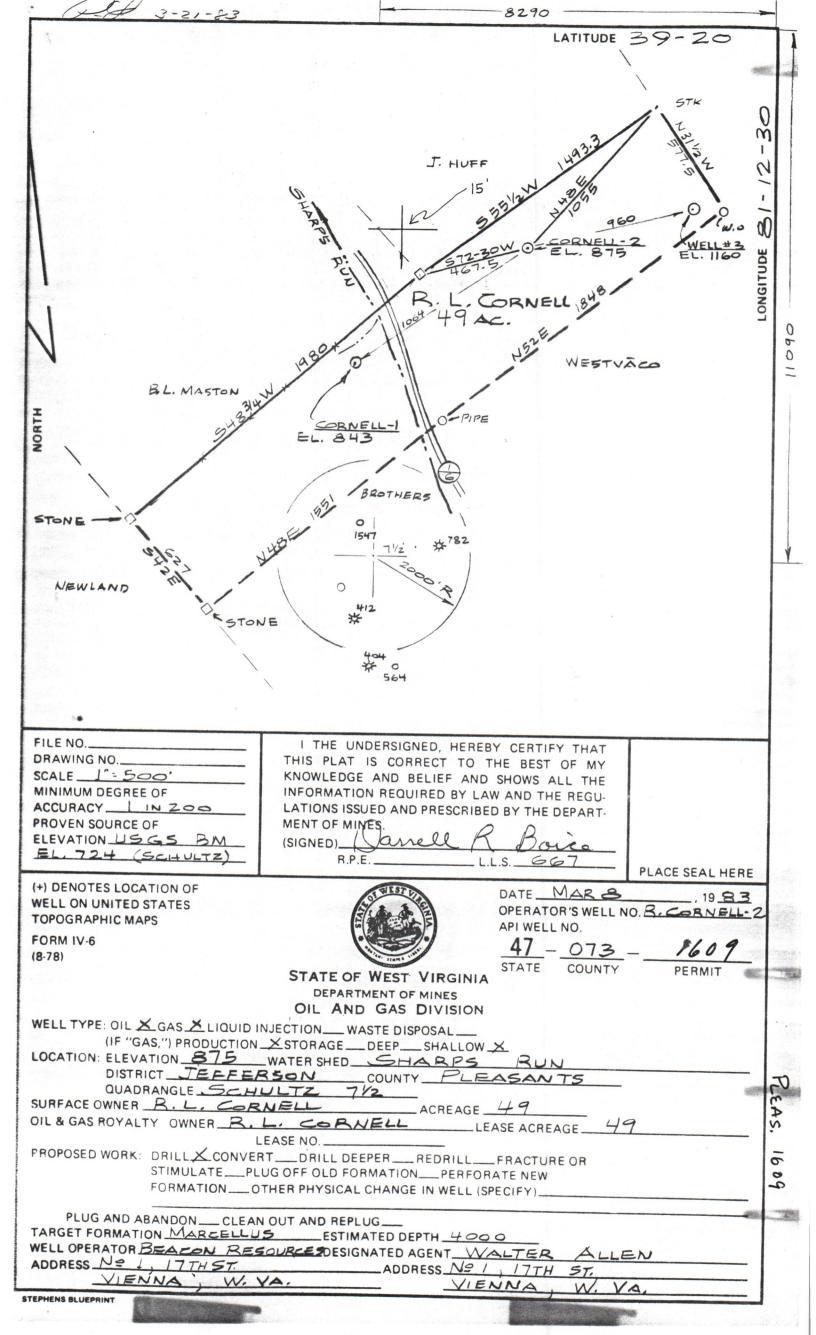
State of West Virginia

Department of Mines Oil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
August 31, 1984

	August 31,	1984			
COMPANY	Beacon Resources Corporation	PERMIT NO _	07	3-1609	(3-22-83)
#1 S	eventeenth Street	FARM & WELL	NO	Lillia	an Cornell #2
Vien	na, West Virginia 26105	DIST. & COU	NTY	Jeffers	on/Pleasants
			TN	COMPLIA	NOT.
RULE	DESCRIPTION		YES	COMPLIA	NO NO
23.06	Notification Prior to Starting Work		1	/	2,10
25.04	Prepared before Drilling to Prevent 1	Waste	1	/	
25.03	High-Pressure Drilling		-		
16.01	Required Permits at Wellsite		-	-	
15.03	Adequate Fresh Water Casing			-	
15.02	Adequate Coal Casing				
15.01	Adequate Production Casing			_	
15.04	Adequate Cement Strenght		4	_	
15.05	Cement Type		1	/	
23.02	Maintained Access Roads		-	/	
25.01	Necessary Equipment to Prevent Waste		- 2		
23.04	Reclaimed Drilling Pits	•	-	/	
23.05	No Surface or Underground Pollution		7	/	
23.07	Requirements for Production & Gatheri	ing Pinelines	-		
16.01	Well Records on Site	ing riperines .	-	-	
16.02	Well Records Filed	•		1	
7.05	Identification Markings		- 4		
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND	RECOMMEND THAT	гІТ	BE RELI	EASED:
		SIGNED A	K	Low	Cher
		DATE	A	# 10	18 FK
Vous mal	1			/	
rith Cha	1 record was received and reclamation	requirements's	appr	oved. In	n accordance
COVERAGE	pter 22, Article 4, Section 2, the abo for the life of the well.	ve well will n	ema	in under	bond
coverage	for the life of the well.	11	100	1-1	6
		Administrato	r-0	il & Gas	Division
TMS/	chm			ber 9,	
		I	ATE		



March 14 19 83 1) Date:__ 2) Operator's Cornell #2 Well No._ 073 1609 47 3) API Well No. Permit County State RACTOR: STATE OF WEST VIRGINIA

STATE OF WEST VIRGINIA

STATE OF WEST VIRGINIA

STATE OF WEST VIRGINIA

OIL AND GAS WELL PERMIT APPLICATION STATE OF WEST VIRGINIA E: A Oil X Gas _ / Shallow X B (If "Gas", Production Deep _ / Underground storage Sharps Run Elevation: 875' Watershed: _ County: Pleasants _Quadrangle: Schultz District: Jefferson 11) DESIGNATED AGENT Walter H. Allen RATOR Beacon Resources Corp. Address #1 - 17th Street #1 - 17th St. Vienna, W. Va. 26105 Vienna, W. Va. 26105 Lillian A. Cornell 305 Riverside Drive St. Marys, W. Va. 25170 12) COAL OPERATOR WNER Address 13) COAL OWNER(S) WITH DECLARATION ON RECORD: 49 Acres WNER Lillian A. Cornell 305 Riverside Drive Address St. Marys, W. Va. 25170 49 Acres Name Address E (IF MADE) TO: 2) [2 [2] [3] Consolidated Gas Co. 14) COAL LESSEE WITH DECLARATION ON RECORD:

Ž,	Robert	LOWI	ner	1937 75	4 1050	BELLE A SAL DELONGED	Address _		TVI VI VI TON
-	Phon	e #1-	758-4	4764	SHEW S	ha show and to trac	rud of eligible	Consider to provide	OIL AND GAS DIVISION
	Midd	llebou	irne,	W.	Va.			as good on bell (OIL AND GAS DIVINES WY DEPARTMENT OF MINES
)	WORK:	Drill X	1	Drill d	eeper	/ Redrill		re or stimulate	X (A)
		Plug off	old forma	ation_		/ Perforate new	formation		
	AL TARGE	Other phy	sical chan	Mar	vell (spe	cify)		e e e e e e e e e e e e e e e e e e e	ementhal IVI
CA	AL TARGE	I FORMA	TION,	4000	1	feet	9 4500 10 10 10 10 10 10 10	MANEGOR A CORPORA	AUT AUTO (18)
	d depth of c			COLUMN TO STATE OF	800		-0-	feet.	artifeventria.
	mate water s		*	, _	000	NAME OF THE OWNER OWNER.	CONTRACTOR OF STREET		Steen the set
iı	mate coal se	am depths:		n/a		Is coal bei	ng mined in the ar	ear res	/ No/
N	D TUBINO	PROGRA	AM				ltiterayen ham	CHRIST DECEMBER	201 Promoted
SPECIFICATIONS Weight Size Grade per ft. New Used				Used	FOOTAGE IN	TERVALS Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
						CONTRACT CONTRACT	respondent de	10 a/20 m 500 0002	Kinds
18,83	8-5/8	11	e du cost	10.5	11270	975	975	CTS	NEAT
	P. C. SHILL SAN		ALIDHARIA	ra a		TOTAL STREET WE ARE		SECTION OF THE SECTIO	Sizes
THE PERSON NAMED IN	4-1/2	11	agu, yo		1000	4000 T.D.	4000 T.	D. 33054	Depths set OR as Req
	2"					3900	3900	by	Rule 15.01
_	The second secon								

ION RIGHTS

provide one of the following:

INSPECTOR TO BE NOTIFIED

ded is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.

requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

PROVISIONS

ion Expires

o extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any rision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, marketed? Yes No

ove is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

opies (See reverse side.)

nis Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of parleston, West Virginia.

Smittle John E.

July 16,

Signed: Its: 4

AGent

OFFICE USE ONLY

DRILLING PERMIT 47-073-1609

March 22

1983

Bottom

Date

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

Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the if and gas inspector 24 hours before actual permitted work has commenced.)

November 2		ectual permitte		rilling is commenced prior to that date and prosecuted with due diligence.
Agent:	Plat:	Casing	Fee	THE
1 () .	14	1	1199	Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
 - 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
 - 8) Present surface owner at time application is filed.
 - 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
 - 15) Work that will be attempted—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.
 - 16) Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - 19) All coal seam depths
 - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1)A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4)A brief description of the royalty provisions of each such lease or contract.
 - 22) Code 22-4-11(d) and 22-4-11(e).
 - 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 §22-4-12b 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 §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
 - 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 the receipt of this Application by the Department.

The following waiver must be completed by who has recorded a declaration under Code	22-4-20, if the permit is to be issued within fifteen (15)
days of receipt thereof.	anois E comes

and have medicine some		WAIVER					
The undersigned coal operator	had no objection	to the work i	he area of the	e well location	D TOORGIOTO'S P.	ocation has rovided, th	s been
apulité sui alle bangago a brus Vale de Co	Joneannes al grilling	0.10		1967 7783	Y dub v ove	estique.	Permit
Date:		Ву	Ga ing	1018	7 chastr	A die	QB