

# Oil and Gas Division

# OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MI Charleston, W. Va.	NES,	DATE	June 5, 1980	
Surface Owner Olan Cumb	erledge	*4.5	Doran & Assoc	rintos Inc
Address Rt. 3, Salem, WV	26426			
Mineral Owner Daniel Louche				Rd., Pgh., PA 1522
Address P. O. Box 1206, C.			Louchery #4	
Coal Owner Virginia Tetric			aters) Traugh Fo	
Address Union National Cente				Elevation 1152
Coal Operator SAME AS ABO	WV 26301			County Doddridg
Address	7VE	Quadrangle_	Big Isaac 7½	
THIS PERMIT MUST BE POST All provisions being in accord of the W. Va. Code, the local	dance with Chapter 22, ation is hereby approved			
for <u>drilling</u> .	et	SPECTOR		
for <u>drilling</u> .	3–25–81	BE NOTIFI	ED Paul Ga	rrett
operations have not commence	ADI	DRESS 321 B	eech Street, Cl	arksburg, WV 2630
Deputy Director - Oil & Go	as Division PHO	ONE 304-	622-3871	
GENTLEMEN:				
The undersigned well operator is	entitled to drill upon the a	hove named for	arm on front of last	•
title thereto, (or as the case may b	e) under grant or lease dat	ed April	17 179	for oil and gas, having fe
made to	R & P Associates	and room	19/2 10th	bySent.
19_79 inDoddridge C	ounty, Book 110	Page 57	on the	day of
				1.58.90.1
XXXNEW WELL	DRILL DEEPER	REDRII	LFRAC	TURE OR STIMULATE
QIL AND GAS WELL	ORIGINALLY DRILLED E	BEFORE JUNI	5, 1969.	
The enclosed plat was prepared be have been notified as of the above di	y a registered engineer or late.	licensed land	urveyor and all coal	owners and/or operators
The above named coal owners and to make by Section 3 of the Code, r	d/or operator are hereby not nust be received by, or filed	tified that any	objection they wish	to make, or are required
Copies of this notice and the encloor coal owners at their above shown same day with the mailing or delivery	osed plat were mailed by rep	gistered mail,	or delivered to the ab	ove named coal operators
PLEASE SUBMIT COPIES OF ALI	Ver	ry truly yours,	,	The little back
GEOPHYSICAL LOGS DIRECTLY		gn Name)	Tonald P	Jan 60.
		,	Well Operator	
WEST VIRGINIA GEOLOGICAL AN		72	onald R. Laughli 28 Washington Ro	n oad
ECONOMIC SURVEY P. O. BOX 879	Address of		Street	
ORGANTOWN, WEST VIRGINIA	26505 Well Operator	P	ittsburgh,	
AC-304 - 292-6331	Brown of Wally pro-	dament les onto	City or Town	er grant i ge
	10318-7-12	P	A 15228	
	MESERVE	100	State	
	111			
*SECTION 3 If no objections a otice and plat by the department of mines he filing of such plat, that no objections have and the well operator authorized to proceed	ve been made by the mal operate	rtment of mines. department shall ors or found ther	within said period of te forthwith issue to the we eto by the department a	12/08/2023 en days from the receipt of ell operator a permit reciting and that the same is approved
	DEPT. OF MINE	ma grave,	(FORMERLY-DOD-	)
		1	DOD-2799	PERMIT NUMBER
have read and understand the reclamat hapter 22, Article 4, Section 12-b and will ca	ion requirements as set forth arry out the specified requirement	in s."	,	DOME NOMBER
gned by		_	BLANKET BOND	
		Service Control of the Control of th	THING I MAILE	

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

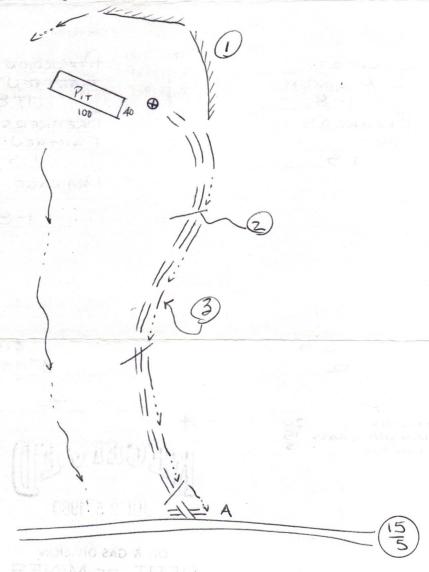
PROPOSED WORK ORDER TO	XXXXX DRILL	DEEPEN FE	ACTURE STIMULATE		
DRILLING CONTRACTOR: (If		RESPONSIBLE AGENT:  NAME Alvin Sorcan  ADDRESS Rt. 4, Box 444, Buckhannon, WV			
NAMES. W. Jack Dri					
ADDRESS P. O. Box 697	, Indiana, PA 15701				
TELEPHONE349-6800	118	TELEPHONE 472-	-0007 26201		
ESTIMATED DEPTH OF COMPI	LETED WELL: 5600		CABLE TOOLS		
PROPOSED GEOLOGICAL FOR					
TYPE OF WELL: OIL_	GAS XXX CC	OMB STORAGE	DISPOSAL		
			ODOTHER		
Ť .					
TENTATIVE CASING PROGRAM	<b>1</b> :				
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16					
13 - 10 11 <sup>3</sup> /4	35	30	To Surface		
8 - 5/8	1/ 0	1600			
7	1600	117 // 117 12 11/200 76	10 Justale		
5 1/2			1		
4 ½	5600	5600	550 Sks		
3	11 90 41		Perf. Top		
2		Las isona ilumed sell	Perf. Bottom		
Liners		Yallan rue	Perf. Top Perf. Bottom		
			ren. porton		
APPROXIMATE FRESH WATER	DEPTHS 45,235 FEET_	SALT WATER_	FEET		
APPROXIMATE COAL DEPTHS	240	, , , , , , , , , , , , , , , , , , , ,			
IS COAL BEING MINED IN TH	E AREA? No	BY WHOM?			
TO DRILL:					
	OF OC 1 \$100.00 PEPMIN	T FFF DEDECOMANCE DO	OND AND PERMANENT COPY		
OF PLAT.	OF OG - 1, \$100.00 TERMI	T FEE, TERTORMANCE BO	AND TERMINERT COTT		
TO DRILL DEEPER OR REDRII	A.				
SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR	OF OG - 1, SHOWING ORIGIN TO 1929, A PERMANENT CO		D PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD		
MUST ALSO BE SUBMITTI	ED.				
TO FRACTURE - STIMULATE:					
BOND, PERMANENT PLAT	AND ORIGINAL WELL REC	ORD.	COPIES OG - 1, PERFORMANCE		
	RIGINALLY DRILLED ON AN JMBER, AND PERFORMANCE		9, FIVE COPIES OG - 1, SHOW-		
Required forms must be file four (24) hours in advance.	d within ninety (90) days of c	ompletion for bond release.	Inspector to be notified twenty-		
	The second of th	CONTRACTOR OF THE PROPERTY OF	THE CALL STATE OF STA		
The following waiver must thereof.	be completed by the coal ope	rator if the permit is to be	issued within ten days of receipt		
WAIVER: I the undersigned, Age	ant for	Cool Company Owner	or Operator of the goal under		
N .	ned and place on our mine ma				
	-		12/08/2023 location,		
			7, Chapter 22 of the West Virginia		
Code.	complied with an rules and rege	nations in theretes 1, 0, and	, chapter 22 of the first		
		***	- Cool Com-		
		In the second	or Coal Company		
			Official Title		
CT BOWN	MARIO				

Miletus

Existing Pence

Diversion
Spring O
Wet Spot
Building
Drain Pipe
Waterway

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



ALL TIMBER WILL BE CUT AND PILED TOPS WILL BE BURNED OR BURIED

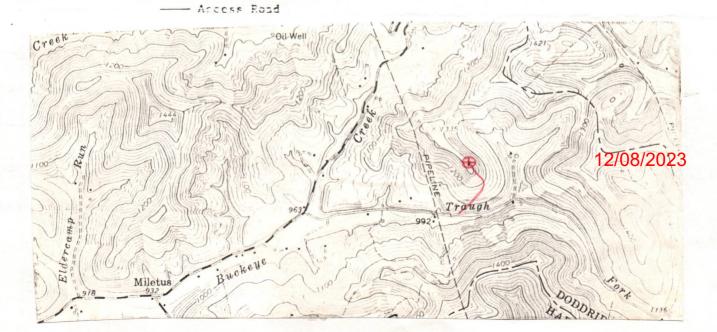
- 2	8	
Comments: KOAD WILL BE ON	15% GRADE OR CESS	
ALL CUTS WILL BE 2	il or less	
DITCHES + BREAKERS	WILL BE MAINTAINED	AT ALL TIMES
Signature:		×.
Agent	Address	Phone Number 12/08/2023

Please request landowners cooperation to protect new seeding for one growing season.

finoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

= Attach or photocopy section of involved Topographic map. Quadrangle SiG ISAAC

Well Site Legend:



Legend: Property Boundry

Road = = = =

Existing Fence - × - × - |

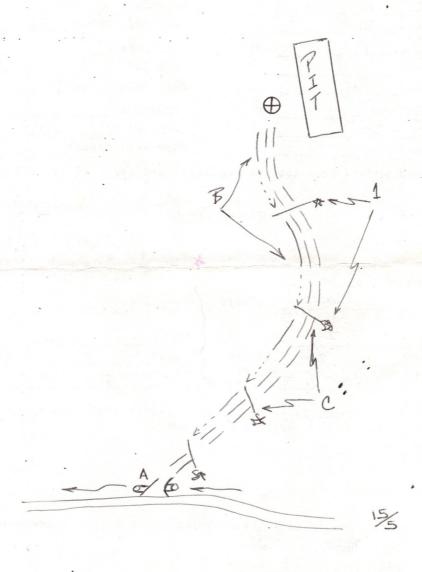
Planned Fence |

Stream |

Open Ditch |

Diversion
Spring O
Wet Spot
Building Drain Pipe
Waterway

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



Comments: LOCATION & ROAD ARE IN CLERED FIELD. Shope OF ROAD

WILL BE 15% OR LESS. ALL CUTS WILL BE 2:1 OR LESS. DITCHES

d CULVERTS WILL BE MAINTAINED.

Signature: Alum Sover Rt. 4, Box 444, Buckhannon, WV 47/10/10/10/23

Agent Address

Please request landowners cooperation to protect new seeding for one growing season.

DECE-EVED	4	Well No	3-16	
MAR 2 5 1981		API No.	47 017	Permit
OIL & GAS DIVISION	TATE OF WEST	D. Louc	HERY #4	
	OFFICE OF OIL		REAPPLICATION	N
Company Name DORAN + ASS	OCIATRS	Designated Age	ent ALVIN So	RCAN
Address PGH., PA		Address	BUCKHANN 472-0007	
Landouner OLAN COMBER	2LEDGE	Scil Cons. Dis	STICE WEST	FORK
Reveretation to be carried o	ut by HYORG	CARBON EN	ERGIES.	(Agent)
This plan has been reveiued	by	Thest Fo	eksco. All cor	rection
and additions become a part	of this plan.	(nate)	00	vegt
Access Road			ocstion	(1)
STRUCTURE DRAIN DATCH	(A)	Structure K		(1)
Spacing Page Ref. Manual  -		Page Ref. Ma:		
Structure BREAKER	(B)	Structure		(2)
Spacing 150' - Zeo'	_	Material Page Ref. Mar	.ual	
Page Ref. Manual 1-5 Structure	(C)			(3)
Spacing		Material		1
Page Ref. Manual	_	Page Ref. Mar		+1
All structures should be ins	pected regula	rly and repair	red if necessary	1
	Revegetat	ion		TH
Treatment Area I			eatment Area II	
		1	- 1 - 1	Tons/Acre
Lime 1.2 or	Tons/acre	Lime A		Tons/Acre
or correct to pa . 6.5		or correct	to ph _ 6.5	
or correct to pn . 6.5	lbs/acre	or correct Fertilizer	to ph _ 6.5	lbs/acre
Fertilizer 500  Welch 2	lbs/acre ent) Tons/Acre	or correct Fertilizer (10-	to pr _ 6.5	lbs/acre lent) Tons/Acre
Fertilizer 500  Wilch 2  Seed Timothy 20  OR. GRASS 15	lbs/acre ent) Tons/Acre lbs/acre lbs/acre	or correct Fertilizer	TO DE GÓDINA	lbs/acre lent) Tons/Acre lbs/acre lbs/acre
Fertilizer SOC (10-20-10 or equival Amelich 2 CRASS 15 CLOVER 5	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre	or correct Fertilizer (iv-	to pr _ C.S	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer 500  Wilch 2  Seed Timothy 20  OR. GRASS 15	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, trefo	or correct Fertilizer (10- Mulch Seed*	to pr _ C.S	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer SOC  Fertilizer SOC  (10-20-10 or equival  Mulch 2  Earch Timothy ZO  OR. GRASS 15  COURR 5	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, trefo	or correct Fertilizer (10- Mulch Seed*	to pr _ C.S	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer SOC (10-20-10 or equival 20 CRASS IS COURR S IS batterium. Inoculate with 3X	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecomended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	to ph	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre
Fertilizer SOC (10-20-10 or equival 20 CRASS IS COURR S IS batterium. Inoculate with 3X	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecomended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	to ph	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre
Fertilizer SOC  Fertilizer SOC  (10-20-10 or equival  Mulch 2  Earch Timothy ZO  OR. GRASS 15  COURR 5	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecomended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	to ph	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer SOC (10-20-10 or equival 20 CRASS IS COURR S IS batterium. Inoculate with 3X	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecomended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	to ph	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer 500  Fertilizer 500  Mulch 20-10 or equival  Mulch 20  OR. GRASS 15  COURE 5  *Insculate all legumes such as basterium. Insculate with 3X  — Attach or photocopy section of	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecomended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	to ph	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer SOC (10-20-10 or equival Autach or photocopy section of the section of	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecomended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	to ph	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer SOC (10-20-10 or equival Autach or photocopy section of the section of	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecommended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	to ph	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer  Fertilizer  Welch  Send Timothy  Co. Grass  Finaculate all legumes such as batterium. Inoculate with 3X  Attach or photocopy section of the constant of the consta	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecomended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	to ph	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer  Fertilizer  Mulch  Send Timothy  Confer S  *Insculate all legumes such as batterium. Insculate with 3%  Attach or photocopy section of the send:  Access Road  Greenbrier  Ch. 1012	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecommended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	with the proper	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer  Fertilizer  Mulch  Send Timothy  Confer S  *Insculate all legumes such as batterium. Insculate with 3%  Attach or photocopy section of the send:  Access Road  Greenbrier  Ch. 1012	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecommended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	Onadrangle	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre r  SiGISSAC 7/2.
Fertilizer  Fertilizer  Mulch  Send Timothy  Confer S  *Insculate all legumes such as batterium. Insculate with 3%  Attach or photocopy section of the send:  Access Road  Greenbrier  Ch. 1012	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecommended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	Onadrangle	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre
Fertilizer  Fertilizer  (10-20-10 or equival)  Mulch  Ecod* Timothy Zo  Cx. Grass  *Insculate all legumes such as batterium. Insculate with 3%  Attach or photocopy section of the control	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecommended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	Onadrangle	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre r  SiGISSAC 7/2.
Fertilizer  Fertilizer  Mulch  Send Timothy  Confer S  *Insculate all legumes such as batterium. Insculate with 3%  Attach or photocopy section of the send:  Access Road  Greenbrier  Ch. 1012	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecommended a	or correct  Fertilizer (10-  Mulch Seed*  il and clovers mount.	Onadrangle	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre r  SiGISSAC 7/2.
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Fertilizer  SOC  Torrect to ph  Co. S  Fertilizer  The control or equival to the control of the	lbs/acre ent)  Tons/Acre lbs/acre lbs/acre lbs/acre vetch, treforecommended a	or correct  Fertilizer (iv-	Onadrangle	lbs/acre lent)  Tons/Acre lbs/acre lbs/acre lbs/acre r  SiGISSAC 7/2.
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Diversion
Spring O
Wet Spot
Building Drain Pipe
Waterway

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

COMMENTS: WILL USE ROAD TO LOUCHERY 143 & EXTEND to LOUCHERY 4.

SOPE OF ROAD WILL NOT EXCERD 15%. CUTS WILL BE 2:10x LESS.

DITCHES 4. BREAKERS WILL BE MAINTAINED. ALL TIMBER WILL BE
CUT + STACKED - TOPS WILL BE BURNED OR BURNED.

Signature:

Agent

Address

Address

Please request landowners cooperation to protect new seeding for one growing season.

		31/	HIE	Ur W	5	VIRGINIA		
OFFICE	OF	OIL	AND	GAS	-	DEPARTMENT	OF	MINES

Louchery #	4 K-	U-5
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	OIL AND GAS WEL	L PERMIT APPLIC	ATION Date: 3-10-81
WELL TYPE: G:	f "Gas", Production / Under	API NO.	47 - 017 - 2799-REN.  State County Permit  / Deep / Shallow /
LOCATION: EI		shed: Traugh For	
Di	strict: Greenbrier Count	y: Doddridge	Quadrangle: Big Issac 7 ½
WELL OPERATOR	Doran & Associates, Inc.	COAL OPERATOR	Virginia Tetrick
Address	200 Roessler Road	Address	Union National Center
×	Pittsburgh, PA	e e e e e e e e e e e e e e e e e e e	Clarksburg, WV 26301
OIL & GAS ROYALTY OWNER	Daniel Louchery		ITH DECLARATION ON RECORD:
Address	P. O. Box 1206	Name	same as above
	Clarksburg, WV 26201	Address	
Acreage	172	COAL LESSES VIT	· MARGARAN
SURFACE OWNER	Olan Cumberledge	Name	H DECLARATION ON RECORD
Address	Rte. 3,	Address	MAR 1 9 1981
	Salem, WV 26426	Add 633	
Well NO. 4	Acreage172		DEPT. OF MINES
FIELD SALE (IF )		BEFORE CONSTRUCT DISTRICT OIL AND	TION BEGINS NOTIFY
Name	N/A		ve Casey
Address			2, Box 232-D
			Street
2551634777		City	Lew, WV 26378
DESIGNATED AGENT		PH: (304) 884-7	
Address			
The undersi	gned well operator is entitled	to operate for oil	or gas purposes at the above
ocation under a	deed/ lease_ x / other	contract / dates	d April 17 10 79
STREETS Y STREETS AND	R. & P. Associat	es from Daniel I I	ouchery
If said deed, l	ease or other contract has been	recorded:)	
ecorded onSe	ept 9 , 19 81, in the office of	of the Clerk of the	County Compiesion of Doddride
ounty, West Virg	ginia, inBook 110	at page 572 A	. country commission of bodding
PROPOSED WOR	RK: Drill x / Drill Deeper	/ Redrill / s	permit is requested as follo
	Plug off old formation	nedfill	racture or stimulate/
	Other physical character		ormation/
	Other physical change in we	(specify)	
	planned as shown on the w	ork order on the	
The above name			
partment of Mine	ish to make or are required to make swithin fifteen (15)	ake by Code § 22-4-3	must be filed with the De-

Tment of Mines within fifteen (15) days after the receipt of this Application by Department. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed

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 maililg or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia. PLEASE SUBMIT COPIES OF ALL

GEOPHYSICAL LOGS DIRECTLY TO: BLANKET BURD OFFICE OF OIL AND GAS 1615 Washington Street, East

Charl

Well Operator/

#### PROPOSED WORK ORDER

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

RILLING CON	TRACTO	R (IF	Elowi)		s. W.	Jack Dri	lling Co.		
				Addre	93	P. O. Bo	x 697 .	13/15	
						Indiana,	PA 15701		
COLOGICAL T	12050	PORMAT	TON /	A, F	E X AAI	DEC			
				1		AND DESCRIPTION OF REAL PROPERTY.	****		Cable tools/
								, 1450 feet.	
								the state of the s	1? Yes/ No_X_
		041 3E	em debt	ns: _	1112	1.3	cost perud :	uned in the area	1? Yes/ No
ISING AND T	UBING	PROGRA	M						
SING OR BING TYPE		1	IFICATION Weight	1		POOTAGE	No. of the Contract of the Con	AR CLAVE	PACKERS
			per ft	New	Used F	or drilling	Left in wel	1 (Cubic feet)	
	113/4					<u> </u>		TO SURFACE	Kinds
esh water									
1	05/0		20	1					Sizes
termediate	1		20	X			1550	TO SURFACE	
oduction	41/2		10/2	X			5700	450 Sks.	Depths set
oing									
ers									Perforations:
									Top Bottom
				02.4					
						•			
All provise of the W. for drill operations	ons bei Va. Co ling r	ng in code, the	location  d. This	ce with is he	h Chapt	ter 22,			
Deputy	Director	- Oil &	Gas Div	vision	lle				
76	6017.0					^			
						S) days of	n under Code receipt there	or and by any co \$ 22-4-20, if the of:	al owner se permit
The	unden	signed	cost o			WAIVE			
work area	osed t	a he de	000		10000	med to the	mine map. I	e of the or xists which cove he undersigned h perator has comp regulations.	coal under this well 2: as the area of the 2: as no objection to lied with all
e:			, 19						
								and some	





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

# OIL & GAS DIVISION Oil and Gas Division DEPT. OF MINES WELL RECORD

Quadrangle Big Isaac 7½
Permit No. 47-017-2799

Rotary_X	Oil
Cable	Gas_X
Recycling	Comb.
Vater Flood_	Storage
Disposal	

Company Doran & Associates, Ir	oc.				
Address 200 Roessler Rd., Pgh.,		Casing and	Used in	Left	Cement fill up
Farm D. Louchery #4	Acres_172	Tubing	Drilling	in Well	Cu. ft. (Sks.)
Location (waters) Trough Fork	2.4	Size	1986		
Well No. K-U-5		20-16	7772		ATT OF THE
District Green brier County Doc		Cond.	1 1 1		in the second
The surface of tract is owned in fee by 01		10d 3-10" 11 3/4			Villa Talas
the surface of tract is owned in fee by OI	an cumberred	9 5/8		-	
Address Rte.3, Salem, WV 26426		8 5/8	1524	1524	265 sks
fineral rights are owned by Daniel Loud	hery	7	1324	1324	203 SKS
		5 1/2			
Address P.O. Box 1206,	WV 26201	4 1/2	5640	5640	015 -1
rining Commenced.			3640	3640	215 sks
Prilling Completed 5-22-81		3			, nin
nitial open flowcu. ft		2			1909
inal production 1007 m cu. ft. per day		Liners Used	108		
Vell openhrs. before test	1950 RP.		The second secon		
ell treatment details:		Attach copy of c	cementing reco	ord.	
				LATION RE	CORD
DATE: INTERVAL PE	RFORATED:	FROM TO	AMT FI		AMT SAND
6-12-81		2500 2529	446 1		60,000
		2400 2444	514 1	BBLS	60,000
resh water 388' oducing Sand Gantz, 30' Sand, 50	eet ' Sand, Fift	h Sand, Depth	Vater	04, 2954,	3210, 3874,
resh water 388' Foducing Sand Gantz, 30' Sand, 50	Sand, Fift Riley, Benso	h Sand, Depth	2882, 300 4028, 442	04, 2954, 20, 5038,	3210, 3874, 5128
oal was encountered at 115', 1270' resh water 388' roducing Sand Gantz, 30' Sand, 50 Speechley, Balltown, Bradford, Formation Color Hard or Soft	eet ' Sand, Fift	h Sand, Depth	2882, 300	04, 2954, 20, 5038,	3210, 3874,
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resh water 388' Foducing Sand Gantz, 30' Sand, 50 Speechley, Balltown, Bradford,  Formation Color Hard or Soft  Substructure Sand Shale Coal Sand & Shale Sand & Shale Coal Coal	Top Feet  O 5 75 115 128 388 1270	Bottom Feet  5 75 115 128 388 1270 1275	Vater	04, 2954, 20, 5038, Water	3210, 3874, 5128
resh water 388' Foducing Sand Gantz, 30' Sand, 50 Expechley, Balltown, Bradford,  Formation Color Hard or Soft  Substructure Sand Shale Coal Sand & Shale Sand & Shale Coal Sand & Shale Coal Sand & Shale	Top Feet  O 5 75 115 128 388 1270 1275	Bottom Feet  5 75 115 128 388 1270 1275 1524	Vater	04, 2954, 20, 5038, Water	3210, 3874, 5128
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resh water 388' Foducing Sand Gantz, 30' Sand, 50 Speechley, Balltown, Bradford,  Formation Color Hard or Soft  Substructure Sand Shale Coal Sand & Shale Sand & Shale Coal Sand & Shale Sand & Shale Sand & Shale Sand & Shale Shale Sand Lime	Top Feet  O 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280	Salt W h Sand, Depth n Bottom Feet 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027	Vater	04, 2954, 20, 5038, Water	3210, 3874, 5128
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resh water 388' Foducing Sand Gantz, 30' Sand, 50 Speechley, Balltown, Bradford,  Formation Color Hard or Soft  Substructure Sand Shale Coal Sand & Shale Sand & Shale Coal Sand & Shale Sand & Shale Shale Sand Lime Sand Shale Sand Shale Sand Shale Sand Sand Shale Sand Sand Shale Sand Shale Slate Slate Sand	Sand, Fift Riley, Benso Top Feet  O 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550	Salt W h Sand, Depth n Bottom Feet 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550	Vater	04, 2954, 20, 5038, Water	3210, 3874, 5128 * Remarks
resh water 388' Foducing Sand Gantz, 30' Sand, 50 Speechley, Balltown, Bradford,  Formation Color Hard or Soft  Substructure Sand Shale Coal Sand & Shale Sand & Shale Sand & Shale Shale Sand Lime Sand Lime Sand Shale Slate Slate Sand Shale	Top Feet  Top Feet  Top Feet  O 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550 3577	Salt Wh Sand, Depth n  Bottom Feet  5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550 3577 3600	Vater	04, 2954, 20, 5038, Water	3210, 3874, 5128 * Remarks
resh water 388' Foducing Sand Gantz, 30' Sand, 50 Expeechley, Balltown, Bradford,  Formation Color Hard or Soft  Substructure Sand Shale Coal Sand & Shale Sand & Shale Sand & Shale Shale Sand Lime Sand Sand Shale Slate Sand Shale Slate Sand Shale Slate Sand Shale Slate Sand Shale Sand Shale Slate Sand Shale	Sand, Fift Riley, Benso Top Feet  0 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550 3577 3600	Salt W h Sand, Depth n Bottom Feet 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550 3577 3600 3650	Vater	04, 2954, 20, 5038, Water	3210, 3874, 5128 * Remarks
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resh water 388' Froducing Sand Gantz, 30' Sand, 50 Speechley, Balltown, Bradford,  Formation Color Hard or Soft  Substructure Sand Shale Coal Sand & Shale Sand & Shale Sand & Shale Shale Sand Lime Sand Shale Slate Sand Shale Slate Sand Shale Slate Sand Shale Sand	Top Feet  O 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550 3577 3600 3650 3700 3800 3870	Salt W h Sand, Depth n Bottom Feet 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550 3577 3600 3650 3700 3800	Vater	04, 2954, 20, 5038, Water	3210, 3874, 5128 * Remarks
resh water 388' Froducing Sand Gantz, 30' Sand, 50 Speechley, Balltown, Bradford,  Formation Color Hard or Soft  Substructure Sand Shale Coal Sand & Shale Sand & Shale Sand & Shale Shale Sand Lime Sand Sand Shale Slate Sand Shale Slate Sand Shale Slate Sand Shale Sand Sand Shale Sand Sand Shale Sand	Top Feet  O 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550 3577 3600 3650 3700 3800	Salt W h Sand, Depth n Bottom Feet 5 75 115 128 388 1270 1275 1524 1801 2100 2240 2280 3027 3425 3550 3577 3600 3650 3700 3800 3870	Vater	04, 2954, 20, 5038, Water	3210, 3874, 5128

ormation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sandy Shale	,	4056	4150	A Section Section	
Sand		4150	4188		
Shale		4188	4300		
Sand & Shale		4300	4460		
Sand		4460	4480		
Shale		4480	4550		
Sand		4550	4560		
Shale		4560	4650		
Sand	1984 198 <u>9</u>	4650	4700		
Sand & Shale		4700	5182		
Sand		5182	5224	Gas @5185'	
Shale		5224	5310	000 (5105	
Sand		5310	5404		
		5404	5490		
Sandy Shale Sand		5490	5580		
Shale & Sand		5580	5690		
Sand		5690	5700		
		5700	5710		
Sandy Shale					
Shale		5710	5714	Editor of the state of	
Driller's T.D.			5714		
	MARKET HE ST. I	2000	2000	*>	
Gantz		2882	2908		
50' Sand		2954	2985		
30' Sand		3004	3025		
Fourth Sand		3110	3120		
Fifth Sand		3210	3220		
Speechley .		3874	3904		
Balltown		4028	4058		
Bradford		4420	4430		
Riley		5038	5064	and the second	
Benson	and a substitute of	5182	5194		
Logger's T.D.		go, respectively.	5796		
		The second secon			
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			7 (000)		
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		Commission of the State of the			

12/08/2023

APPROVED

Donald F. Yan

ITALE (PERALIPES

#### STATE OF WEST VIRGINIA DEPARTMENT OF MINES

## Oil and Gas Division

Corrected - 7-18-81

# WELL RECORD

Quadrangle Big Issac 71/2

Permit No. 47-017-2799

Rotary_X	Oil
Cable	Gas_X
Recycling	Comb.
Water Flood	Storage
Disposal	(V:-4)

Company Doran & Associates, Inc.  Address 200 Roessler Road  Farm D. Louchery #4 Acres 172	Casing and Tubing	Used in Drilling	Left ·	Cement fill up Cu. ft. (Sks.)
Location (waters) Traugh Fork	Size			
Well No. K-U-5 Elev 1309  District Greenbrier County Doddridge	20-16 Cond.			
The surface of tract is owned in fee by Olan Cumberled	lge13-10"			
	9 5/8			
AddressRt. 3, Salem WV 26426	8 5/8	1524	1524	265sks
Mineral rights are owned by Daniel Louchery	7	9		
Address P. O. Box 1206, Clarksburg	5 1/2			
Drilling Commenced 5-17-81 WV 26201	4 1/2	5640	5640	215sks
Drilling Completed 5-22-81	3		1 1 1 1 1	
Initial open flow cu. ft bbls.	2			
Final production 1007 m cu. ft. per daybbls.  Well open72 hrs. before test 1950 RP.	Liners Used			
Well treatment details:	Attach copy of	cementing reco	ord.	

Attach copy of cementing record.

STIMULATION RECORD

Depth 5520',5182',5038'

Fresh water 388'	Feet		Salt W	Vater	Feet _	
Coal was encountered at	115', 1270'	_Feet		Inches	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
· ·	·	5060	5064)			
	•	5182	5192	514 BBLS	60,000	Newson .
6-12-81		5531	5539	446 BBLS	60,000	
DATE:	INTERVAL PERFORATED:	FROM	TO	AMT FLUID	AMT SAND	

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Substructure	0	5	
Sand	5	75	in the second se
Shale	75	115	
Coal	115	128	
Sand & Shale	128	388	F. W. @ 388'
Sand & Shale	388	1270	
Coal	1270	1275	
Sand & Shale	1275	1524	
Shale	1524	1801	
Sand	1801	2100	
Lime	2100	2240	
Sand	2240	2280	
Sand	2280	3027	gas @ 2320, 2360
Shale	3027	3425	
Slate	3425	3550	
Sand	3550	3577	
Shale	3577	3600	DECELVIIII
Sand & Shale	3600	3650	100000
Sand	3650	3700	12/08/2023
Sand & Shale	3700	3800	JUL 2 2 1981
Sandy Shale	3800	3870	JUL & & 1301
Sand	3870	3884	
Sandy Shale	3884	4010	OIL & GAS DIVISION
Sand	4010	4056	DEPT. OF MINES
Sandy Shale	4056	4150	DEFT. OF MILE

(over)

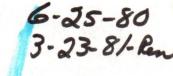
Producing Sand Alexander, Benson, Riley

<sup>\*</sup> Indicates Electric Log tops in the remarks section.

formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Sand	4150.	4188	(q. F. of P. oxy., 1955)
Shale	4188	4300	
Sand & Shale	4300		
Sand	4460	4460	
Shale		4480	
Sand	4480	4550	
Shale	4550	4560	
Sand	4560	4650	
	4650	4700	
Sand & Shale	4700	5182	
Sand	5182	5224	Gas @ 5185
Shale	5224	5310	
Sand	5310	5404	
Sandy hale	5404	5490	1992 W. State of the Control of the
Sand-	5490		
Shale & Sand		5580	
Sand	5580	5690	
	5690	5700	
andy Shale	5700	5710	
hale	5710	5714	
riller's T.D.		5714	
		3/14	
antz	2882	2000	
0' Sand		2908	
0' Sand	2954	2985	
ourth Sand	3004	3025	
ifth Sand	3110	3120	
	3210	3220	
peechley	3874	3904	
alltown	4028		A CONTRACTOR OF THE PROPERTY O
radford	4420	4058	
iley		4430	
enson	5038	5064	
lexander	5182	5194	
ogger's T. D.	5520	5530 5796	4/100
- BBC1 5 1. D.	The state of the s		
		5796	
		5796	
		5796	12/08/2023

APPROVED Donal D. Laufliowne

#### INSPECTOR'S PERMIT SUMMARY FORM



WELL TYPE Sh									
DISTRICT GRE									
QUADRANGLE BIS									
COUNTY Ded									
COUNTY WOOL			ELL #	outring 2					
SURFACE OWNER_		COMME	ENTS	TEL	EPHONE				
TARGET FORMAT				ON RECEIVED					
					DECE				
LOCATION		NOTIFIED		DRILLING C	COMMENCED 2	TOF EN			
					OIL A				
		,			<del>,</del>				
COAL DEPTHS _	,	, ,		,	_	0 100			
		CAS	TNC		MAY 2	8 190			
Don	foot of	CAS ''pir		with	f;11	110			
entransfer and the second of t									
the the North Control of the State of the St									
10011		P-F							
TD	feet on								
		PLUG	GING						
Type		From	To	0	Pipe Remov	ved			
				- 2007	26 //				
Pit Discharge	date:	Tyl	pe						
Field analysis	S	ph	fe	c1					
Well Record re	eceived								
The state of the s	And the commence of the commen								
Date Released	1				1				

API# 47<u>0/7</u> -2799.

## LIST ALL VISITS FOR THIS PERMIT

DATE	TIME	PURPOSE	COMMENTS
	the state of the s		
7			
9-14-18-8-1-1-18-18-18-18-18-18-18-18-18-18-			
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	01	Notes	
O.K	to Phl		

		7		CONTRACTOR OF THE PROPERTY OF		
	API well number: (If not assigned, leave blank, 14 digits.)	47-	-017-2799		41 hd L	
	Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of	NGPA 1 -C	 Category Code	DEPT.	AS DIVISION OF MINES
	Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)		2529	_feet		
4.0	Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name 200 Street	n & Associa Roessler sburgh		PA 15220 Zip Code	023835 Seller Code
	Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Field Nam	nbrier e ridge		WV State	
	(b) For OCS wells:	Area Nam	Date of Lea		NA Block Number NA OCS Lease Number	
	(c) Name and identification number of this well: (35 letters and digits maximum.)	D.	Louchery #4	KU - 5		
	(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35:letters maximum.)	NA_		,		
6.0	(a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Consolidated Gas Supply Corp.				004228 Buyer Code
	(b) Date of the contract:	1		Mo. Day	Not Yet	Available
	(c) Estimated total annual production from the well:	l !			30 Million Cu	bic Feet
			(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0	Contract price: (As of filing date. Complete to 3 decimal places.)	\$/MMBTU	NA	<u>NA</u>	<u>N</u> A	NA
8.0	Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	2.4.7.6	NA	<u>NA</u>	2.476
JU	Person responsible for this application:  Agency Use Only  e Received by Juris. Agency  J 9 1981  e Received by FERC	Signature	on C. Doran,	Doron	Preside Title 412-344-5200	_

FT7900806/2-2

PARTICIPANTS: DATE:	BUYER-SELLER COL
WELL OPERATOR: Doran & Associates, Inc	023835
FIRST PURCHASER: Consolidated Gas Supply Corp.	064228
OTHER:	
W. Va. Department of Mines, Oil & Gas Division	
WELL DETERMINATION OF ENTREES	a of IV-54
11.0709 .103.017=2799 and BH Catalation, for	
Use Above File Number on all Communications	egger .
Relating to Determination of this Well	
CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
1. FERC -121 Items not completed - Line No. 70 All, 8	a /
	V bc
2. IV-1 Agent	
4. IV-6 Well Plat	
5. IV-35 Well Beend	
Drilling Deepening	
Was Oil Produced?	Ratio
	•
Days off line:	
description for certification. Complete?	
10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affi	davit Signed
18-28. Other: Survey Logs Geological Charts	
Structure Map 1: 4000 Map Well Tabu	
(5) Date commenced: $5 - 17 - 8$ Date completed $5 - 22 - 81$ Deepene	d
(5) Production Depth: <u>2882, 3004, 2954, 3210, 3874, 4628, 4420, 50</u>	38,5/28
(5) Production Formation: Cantz, 30 sand, 50 sand, 5 sand, Speechly	Beltan, Brother Ben
(5) Final Open Flow: 1007 MCF	
(5) After Frac. R. P. 1950#	
(6) Other Gas Test:	
(7) Avg. Daily Gas from Annual Production:	
(8) Avg. Daily Gas from 90-day ending w/1-120 days	
(8) Line Pressure: PSIG	from Daily Repor
(5) Oil Production: From Completion Report	
10-17. Does lease inventory indicate enhanced recovery being done	
10-17. Is affidavit signed? Notarized?	
Does official well record with the Department confirm the submitted information	<sup>β</sup> /∩8/ <b>800</b> 3
Additional information Does computer program confirm?	1
√as Determination: Objected to By Whom?	
5	

DATE:

+ 1	ä	1	8			July 2	-	: 5	81	
C	7	ŧ.	7	å	Z	CI, P				

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Well No KU - 5 AFI Well No 47 017 Siate County Fermit

### WELL CLASSIFICATION FORM NEW ONSHORE PRODUCTION FELL

MGPA Section 103

	AIVIII SOFCAN
	ADDRESS Rt. 4 Box 444
	Buckhannon, WV 26201
WELL OFERATOR Doran & Associates, Inc	LOCATION: Elevation 1309
ADDRESS 200 Roessler Road	Watershed Trough Fork
Pittsburgh, PA 15220	Dist. Green- County Doddridge On Big Tsaac
CAS PURCHASER Consol. Gas Supply Corp.	Gas Purchase
ADDRESS 445 W. Main St.	Contract No. NA
Clarksburg, WV 26301	Meter Chart Code NA  Date of Contract NA
* * * * * * * * *	
Date surface drilling was begun: 5-17-81	
Indicate the hortom hole pressure of the well as	nd explain how this was calculated:
	120

2073.3 PSI calculated from  $P_{ws} = P_{wh} = \frac{.0107}{Z \text{ zvg}}$ 

D = 5530 ZA46 = .83 TANG = 575

AFFIDAVIT

I. Weldon C. Doran Jr. having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after lebruary ly. 1977; the well satisfies applicable state or federal well spacing requirements and the well is not reservoir from which gas is or will be produced and which applied to any other well producing to the in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought application which is inconsistent with this conclusion.

haurie (ecchini. a Notary Public in and for the state and county aforesaid. do certify that weldon C. Doran . whose name is signed to the writing above, bearing, date the 2nd day of . 1981, has acknowledged the same before me, in my county aforesaid.

Civen under my hand and official seal this 30th day of eptember . 1981 My term of office expires on the 11th day of July

M. LAURIE CECCHINI. NOTARY PUBLIC SCOTT TOWNSHIP. ALLEGHENY COUNTY MY COMMISSION EXPIRES JULY 11, 1983 Member, Pennsylvania Association of Notaries

[NOTARIAL SHAL]

1981

12/08/2023

OIL & GAS DIVISION DEPT. OF MINES

