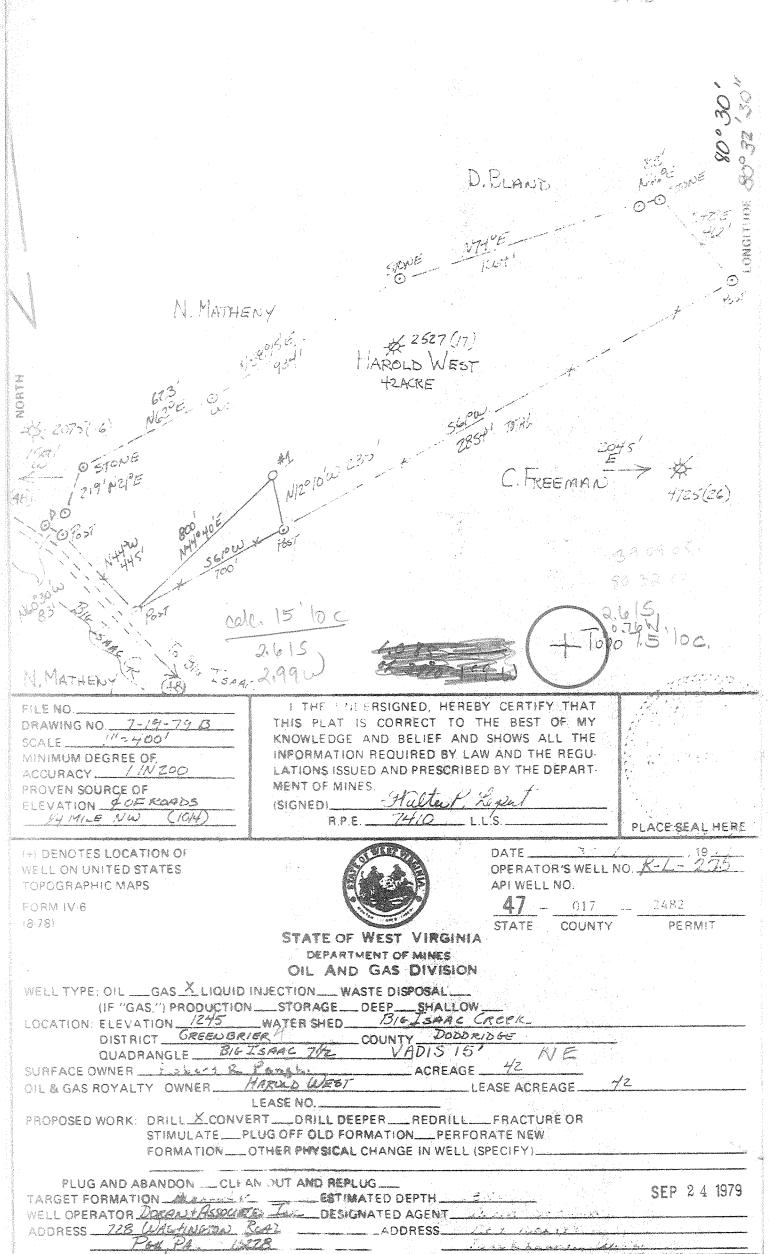
LATITUDE 390 15



BEG



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION DEPT. OF MINES

	WELL	RECORD 5		Rotary	x Oil
No. of the second secon		as an entire atting atting to the states. A		Cable	
Quadrangle Big Isaac 7 1/2				Recycling_	Comb
Permit No. 47-017-2482					dStorage
a wassable & Vid a Market market Market Market Wasser				Disposal	
		en Villa. Maria de la casa de la	4-2-1-02-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		(Kind)
Company Doran & Associates, In		Casing and	Used in	Left	Cement fill up
Address 728 Washington Road, Pgh		Tubing	Drilling	in Well	Cu. ft. (Sks.)
Farm Harold West A			67		, , , , , , , , , , , , , , , , , , , ,
Location (waters) Big Isaac Creek		Size	manufacture of the second of t	ECOMPOSITION OF THE PROPERTY O	
Well No. #1 K-L-275 EI		20-16		To send divining	
District Greenbrier County Do		Cond.		-	
The surface of tract is owned in fee by Ro & Mary Paugh	Derr Ka	13-10"			
Address 80 W. High Street, Salem	1.77 26426	9 5/8	10000		
Mineral rights are owned by H. B. & Ma	The state of the s	8 5/8	1384"	1384	250
et al Address Rt. 3, Box 147					!
Drilling Commenced 9-17-79	* PA 16915	4 1/2	2968'	2968'	220
Drilling Completed 9-23-79		3	2300	7308.	230
Initial open flow 268 m cu. ft.	**************************************	7	A STATE OF THE PROPERTY OF THE	-	
Final production 1050 m cu. ft per day _		Liners Used			
Well open 4 hrs. before test	2000# pp	Diritis Occu		-	
Well treatment details:	wetterdanderdende BM :	h thank and			
		Attach copy of c	_		
Date: Interval Per	rforetodo	From To		lation Re	
10-16-79	de de les de les les les les les les les les les le			Section of the second section of the second section of the section of the second section of the	Amt. Sand
	TO BE SELECTION OF THE LEADING THE HEALTH TO PERSON CONCERNS CONTROL OF THE LAND OF THE LAND CONTROL OF TH	5240 5347	/ 001	BBLS	60,000#
		rganeri (isaniquisimanismonsumanusus massi sipulismonsumanus samanus den suurilla massimismonsumanus paramanus Tarani	Primum min jamanistatiisyntyksiteentaapaa Sannasiagineetsiaanintaan mi		ton-rode en er equelumbro (en de filòs) distassible salveta beneda, en les è la la lapter è moyado la tale
market uniformity of Control of Designation of Control	NN-4 (Adams of Seins (Adams (A	erfolktion () der der fatte der eine eine eine der eine eine eine eine eine eine eine ei	ACT-CONTRACTOR CONTRACTOR CONTRAC	orna editional processor and processor and on the contract of	and the state of t
Coal was encountered at 430', 697' 767	7 ° 5 a a s		*	THE PROPERTY OF THE PROPERTY O	in the transport of the second and the grammatic and the second an
resh water-	and the state of t				gk
Yoducing Sand Alexander	SP (G) downstreen beliefer the proposed constitution of the consti	Depth	78161 5345	**************************************	
				in deliterit jakomente dan etereta espaine eta eta inicia eta eta eta eta eta eta eta eta eta et	
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	We can the	***
			On, Oct O	Matel .	Remarks
Substructure	0	15		The second secon	
Sandy Shale - Red Rock	15	55	F. W. @	25'	
Sand	55	75			
Sandy Shale - Red Rock Sand	75	170			
Coal	170	430			
Sand	430	433			
Sandy Shale	433	475			
Sand	475 600	600			
Sandy Shale	625	625			
Coal	697	697			
Sand	699	699			
Sandy Shale	735	735			
Coal	767	770			
Sandy Shale - Red Rock	770	915			
Sand	915	955			
Shale - Red Rock	955	1290			
Sand Shale	1290	1360			
Sand	1360 1445	1445 1535			
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1535

2050

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2110

Sandy Shale

Big Lime

Shale - Red Rock

Lime

Formation Color Hard or	Soft Top Feet	9 Bottom Fee	Oil. Gus or Water . Remarks			
Sand Sandy Shale	4980	2275 2710 2775 2800 2865 3825 4050 4980 5005 5300 5350 5524 5524				
Upper Speechley Speechley Balltown Benson Alexander Loggers T.D.	3605 3710 3860 5020 5340	3630 3750 3890 5060 5420 5543				
		and the second second	 (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2			

1980 APPRONEIT

Hy Donald R. Laughlin, Manager-Prod., Eng. (7/14)

Marold West Lse. 444	K-L-275		/		
FORM IV-2	STATE OF WES	T VIRGINIA OIL AND GAS DIVISION	Date: August 3, 1979 , XX		
(Obverse) [08-78]		Operator's			
	OIL AND GAS WELL P	ERMIT APPLICATION	Well No. 47 - 017 - 2482		
WELL TYPE: Oil/ Gas}	<u>K_</u> /		API Well No. 47 - 017 - 2482 State County Permi		
(If "Gas", Production	on X / Undergrou	nd storage/ D	eep/ Shallow/)		
LOCATION: Elevation: 1245	Watershed:	Big Isaac Creek			
District: Greenbr	cier County:	Ooddridge Quad	rangle: Big Isaac 7½		
WELL OPERATOR Doran & Associ	iates, Inc.	DESIGNATED AGENT	Alvin Sorcan		
Address 728 Washington			Rt. 4, Box 444		
Pittsburgh, PA			Buckhannon, WV 26201		
		geneget-Millionening.			
OIL & GAS ROYALTY OWNERSee Attached	Sheet	COAL OPERATOR	Virginia Tetrick		
Address		Address	Union National Center West		
			Clarksburg, WV 26301		
Acreage			TH DECLARATION ON RECORD:		
TURFACE OWNER Robert R. Paugl			Virginia Tetrick		
Address 80 W. High Str		assequated military and a state of the state	Union National Center West		
Salem, WV 264	1		Clarksburg, WV 26301		
Acreage 41 acres and 42	poles				
FIELD SALE (IF MADE) TO:		Address			
Name Not known		COAL INCORE WITH	DEGLADATION ON PERCENT		
Address			DECLARATION ON RECORD: Consolidation Gal G.		
OIL & GAS INSPECTOR TO BE NOTIFI	FD	Address			
Name Paul Garrett		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Address Clarksburg, WV	26201	production company			
304-622-3871	,				
The understand well of	anamatar ta antitiod	to prompte for all	on the skew		
			March 14, 19 79 _, to the		
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		,			
If said deed, lease, or other o					
decorded on April 30 , 19	79, in the office	of the Clerk of the	County Commission of Doddridge		
County, West Virginia, in	Book 108	at page 350 . /	A permit is requested as follows:		
PROPOSED WORK: Drill X /	Drill deeper/	Redrill/ Fracti	ure or stimulate/		
· · · · · · · · · · · · · · · · · · ·		Perforate new format			
dther physi	cal change in well	(specify)			
SEP - 6 1979planned a	is shown on the work	order on the reverse	e side hereof.		
THE OF CAS DIVISION	•	·	are hereby notified that any		
/			st be filed with the Department		
Mines within fifteen (15) day					
i de	• •		eclamation plan have been mailwo		
			r, coal owner(s), and coal lessention to the Department of Mines at		
Thorleston, West Virginia.	ing or delivery or	onis retaile applicate.	to the beparement of manys :		
	D. SLIVET DAND				
LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:	BLANKET BOND)		
ET VIRGINIA OIL AND GAS		Weldon C	Well around for		
CONSERVATION COMMISSION		,	mera operator		
HEARLESTON, WV 25311		∀ By			
PROPHONI: (304) 348-309?		110			
			the state of the s		

PROPOSED WORK ORDER

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

DRILLING CO	NTRACTOR (IF KNOWN)	5. w	1. Jack				
			Addres	ss	Buckh.	nnen w.l	/a.		
•				Acceptable and the second			-		n
GEOLOGICAL	TARGET FORM	MATION,	Alexa	ender	Sand			· ·	
Estima	ted depth c	of comple	eted wel	u, 5	585c'	feet	Rotary X /	Cable tasis	,
Approx	imate water	· strata	depths:	Fres	sh. 40	feet: salt	, 750 feet.	Cible tools	/
Approx	imate coal	seam der	oth	Vone	. Is	coal being m	lined in the are	wa^ V	, y,)
CASING AND			sher the Mark Securi	acad in the					
CASING OR	SP	ECIFICAT			FOOTAGE	INTERVALS	CEMENT FILL-	IDII Da	and the first firs
TUBING TYPE		Weigh de per f	nt Tt New	Used F			OR SACKS 1 (Cubic feet)	4i	CHERS
Conductor	1,3/4	•	×	- desperances		30'		Kinds	
Fresh water		one						111103	.71
Coal								Sizes	***************************************
Intermediate	8 ⁵ /8		×			1300	250 sks		
Production	41/2		×			5850'	300 SKS	Depths set	
Tubing								Depoils Sec	
Liners								Perforation	
				and an application				Top	Botto
				The state of the state of					
the co 200 fe where	et of the A separ	ired by proposed rate For or stim	Code § well. well.	22-4-8 shall is to	a from the	rea by code 3 owner of any	orm IV-9, "Rec ad Regulation 2 22-4-12a, and water well or cturing or stim r which a permi ith.	(n) if ample drekling will	entido. Sin
All proving of the W	tions being in V. Va. Code, t	accorder the location. This	nce with on is here! s permit sl	Chapter by appro half exp	22, oved ore if				
	what I	C- I	· · · · · · · · · · · · · · · · · · ·						
⊖ Depụ! ⊘r	y Director : O	e who ha	JIVISION THUST FOR IS TOROT	ded a	declaratio	n ar lan Cala	n mity op.	1 : 1 swn	
is	to be issu	ed vithi	n fifte	en Cis	days of	receipt there	a 11-4-20, if t cf:	the permit	
					WAIVE				
well location	, the well	locatio	n has b	een ad	ded to the	a mine map e mine mar. Th	the which may be undersigned the corrector has correctors.	form the area	of the
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mandata and control of the control o				Photos and the Control of the Contro	=				W.
are: 5 Sep	tember	. 1.75	<u> </u>		MARROY- AN				700
•					*	11-10.	o G. Tet	L-10.	
as Dissemble		-			P.)		0 (7. /el	~ CK A	