

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. DRAWING NO.\_ SCALE MINIMUM DEGREE OF ACCURACY\_ <u> 1 in</u> PROVEN SOURCE OF ELEVATION <u>B.M. top of knob</u> Elev. = 1,430

ELL TYPE: OIL

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGU-LATIONS ISSUED AND PRESCRIBED BY THE DEPART-MENT OF ENERG

(SIGNED). L.L.S.

NO. 791 STATE OF

- 2,800'-

₹ 00

35 80-

LONGITUDE

STATE OF WEST VIRGINIA Division of Environmental Protection OFFICE OF OIL AND GAS

DATE August 12 20<u>04</u> OPERATOR'S WELL NO. Shahan No. API WELL NO.

47 2295 F 017 STATE COUNTY PERMIT

(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X

OCATION: ELEVATION 1,210' WATER SHED Big Run

\_\_GAS $_{X}$ LIQUID INJECTION\_\_\_WASTE DISPOSAL.

\_COUNTY*\_Doddridge* 

McClellanDISTRICT\_ SalemQUADRANGLE.

URFACE OWNER <u>Randall & Melinda Holden</u>

ACREAGE 200.25 ac.

IL & GAS ROYALTY OWNER H. J. Shahan

LEASE ACREAGE

LEASE NO. ROPOSED WORK: DRILL\_ \_CONVERT\_ DRILL DEEPER\_\_REDRILL\_\_FRACTURE OR

STIMULATE\_ PLUG OFF OLD FORMATIONX. PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON\_\_CLEAN OUT AND REPLUG\_\_\_ ARGET FORMATION\_\_Big\_Injun/Fifth\_\_ESTIMATED\_DEPTH\_\_2,924'

ELL OPERATOR <u>Petroleum Development Corp.</u> \_DESIGNATED AGENT <u>Alan Smith</u> DDRESS P.O. Box 26 Bridgeport, WV 26330 ADDRESS P.O. Box 26 Bridgeport, WV 26330

within - Flid .

NAM

LATITUDE 39° 22' 30"

7'5 OGIS topo location

7.5' 10c, 2/25 15' 10c 5.005 (calc.) 0.71W

10an\	1				
 13000	¥	CONTRACTOR OF THE PERSON NAMED IN		 	 -
	7				

County Dooperoce

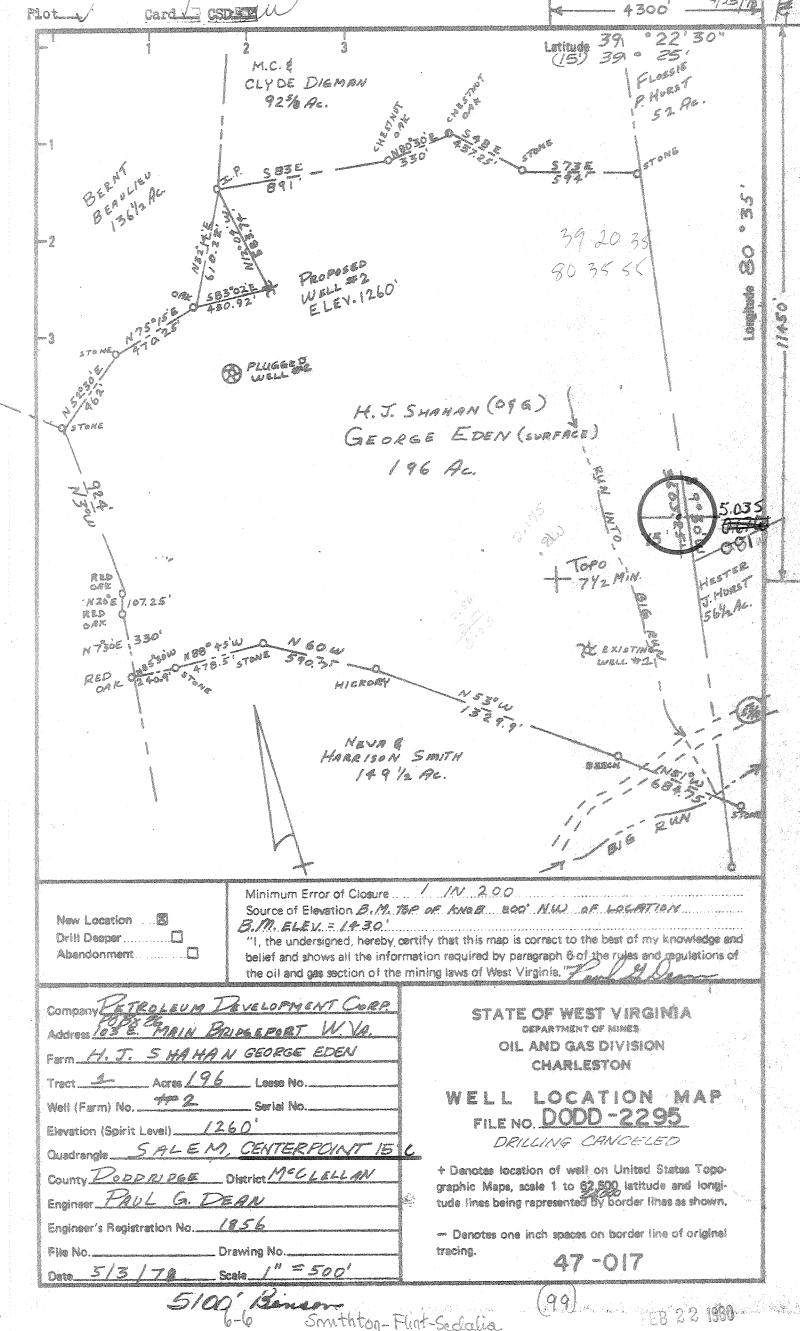
District McCCERLAN

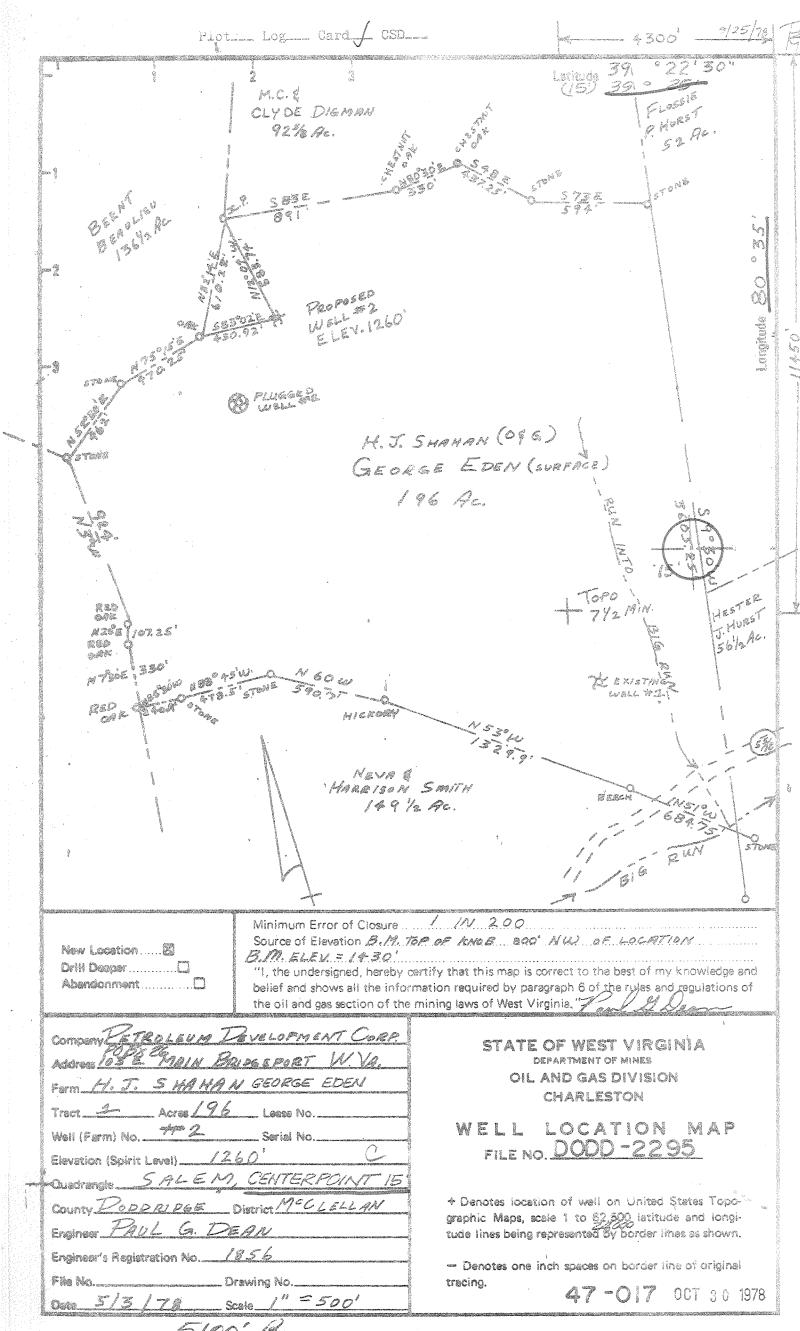
WELL LOCATION MAP

File No. 017 - 2295

6-6

(699)





Date:

December 16, 2004

DATE: December 16, 2004 API#:47-017-02295F

### State of West Virginia Department of Environmental Protection Office of Oil and Gas

## Well Operator's Report of Well Work

Well Operator	s report	OT AAC	II WOIK			
Farm name: Shahan		Operator Well No.: 2				
LOCATION: Elevation: 1210'	-	Quad	rangle: <b>Salem</b>	<u> </u>		
District: McClellan		Cour	nty: <b>Doddridg</b>	e		
Latitude: 11350' Feet South of 39	Deg.		Min. <b>30</b>			
Longitude 2800' Feet West of 80	Deg					
Company: Petroleum Development Corporation	on					
	Casing	&	Used in	Left in well	Cement fill	
	Tubing		drilling		up Cu. Ft.	
Address: 103 East Main Street						
Bridgeport, WV 26330						
Agent: Alan H. Smith	ļ					
Inspector: Mike Underwood						
Date Permit Issued: 09/27/04						
Date Well Work Commenced: 10/26/04						
Date Well Work Completed: 11/05/04						
Verbal Plugging:	<u> </u>					
Date Permission granted on:	ļ					
Rotary Cable X Rig						
Total Depth (feet): 5456'						
Fresh Water Depth (ft.): 78'						
Salt Water Depth (ft.): none reported						
Is coal being mined in area (N/Y)? N						
Coal Depths (ft.): 297'					Politicana	
OPEN FLOW DATA						
OFEN FLOW DATA						
Producing formation Big Injun		Paw.	zone denth (fl	) 2161'-2204	¥	
Gas: Initial open flowMCF/d Oil:		nen f	zono dopin (n Iow	Rb1/d		
Final open flow 315 MCF/d I	Final one	n flox	X7	Bb1/d		
Time of open flow between initial and i	final test	2 210 1	Hou			
Static rock Pressure 180 psig (surface						
pois (build	prossur	io) uii		/UI 5		
Second producing formation	р	av 70	ne depth (ft)			
Gas: Initial open flow MCF/d Oil:				Bbl/d		
	Final oper			Bbl/d		
Time of open flow between initial and i			Hou			
Static rock Pressure psig (surface				ours		
poig (Sullac	Prosour	. U all	110	W10		
NOTE: ON BACK OF THIS FORM PUT THE FO	OLLOWN	VG: 1	). DETAILS O	F PERFORATE	D	
INTERVALS, FRACTURING OR STIMULATING	, PHYSI	CAL	CHANGE, ET	C. 2). THE WEL	_ L	
LOG WHICH IS A SYSTEMATIC DETAILED G	EOLOGI	CAL F	RECORD OF	ALL FORMATION	ONS,	
INCLUDING COAL ENCOUNTERED BY THE W					•	
MA M				RECE	VED	
Signed: Millin II Just				Office of O	il & Gas	
By: Alan H. Smith			-	Unice of	Chief	

WV Department of Environmental Protection

DEC 2 0 2004

Perforated the Big Injun using 0.39" shots; 6 at 2161'-2164, 6 at 2171'-2174', 12 at 2198'-2204'. Set gas control bridge plug at 2220'.

Start 91 bbls of Unigel 5F pad and pump 322 bbls of Unigel 5F treating fluid, 30000 lbs of 30/50 Ottawa sand. Start 500 gal 15% HCL and drop 14 perf balls. Break at 1500 psi. Start 88 bbls of Unigel 5F pad and pump 269 bbls or Unigel 5F treating fluid, 30000 lbs of 30/50 Ottawa sand, 22 bbls of flush. Stage sand at 1#, 2#, 3#, and 4# ppg. MTP-2240 psi, ATP-2094 psi, Air-18.4 bpm. Shut down, ISIP-1050 psi, 5 min. SIP-830 psi. Open to pit through 4 1/2" turn tube.

Flow clean.

Turn in line.



IV-35 (Pev 8-81) RECEIVED Sizie of Mesi Virginia

AUG 1 6 1982

Bepariment of Mines

Date				
Operator's				
Well No	TWO (2)	etwe panish		(income)
Farm H.J.	SHAHAN			
API No. 47	_ 017	-	2295	REN

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

Gil and Gas Zivision

## WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production x / Undergro	on/ Wast	ce Disposa ge/ Dee	l/ p/ Sha	illow /)
LOCATION: Elevation: 1210' Watershed				enc-grantana
District: McCLELLAND County DOD	DRIDGE	Quadrangl	e SALEN	1
COMPANY PETROLEUM DEVELOPMENT CORPORATION				
	Commence of the Commence of th	•	·	
ADDRESS P.O. BOX 26 BRIDGEPORT, WV 26330	Caşing	Used in	<b>left</b>	Cement fill up
DESIGNATED AGENT SAME AS ABOVE	Tubing	Drilling	in Well	Qı. ft.
ADDRESS SAME AS ABOVE	Size	•		
SURFACE OWNER GEORGE EDEN	20-16 Cord.			
ADDRESS 4628 BURNETTE AVE. SILVER SPRINGS, MD.	±3×364"	40	40	circulate
INERAL RIGHTS OWNER O.C. HAUGHT ET AL	9 5/8			
ADDRESS SALEM, WV 26426	8 5/8	1845	1845	circulate
OIL AND GAS INSPECTOR FOR THIS WORK	7			
ADDRESS	5 1/2			
PERMIT ISSUED 07/21/91	4 1/2	5455	5455	575 sks
DRILLING COMMENCED 07/31/81	3			
ORILLING COMPLETED 08/07/81	2			
OF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
EWORKING. VERBAL PERMISSION OBTAINED	used			
	e. e			
FOLOGICAL TARGET FORMATION BENSON		Dept	h 5152	fæt
Depth of completed well 5456 feet	Rotary_x	_/ Cable	? Tools_	
Water strata depth: Fresh 78 feet;		fæt		
Coal seam depths: 297//	Is coal	being mine	d in the	area? no_
PEN FLOW DATA  Producing formation DEVONIAN SHALE	1 Berson	Bradf	ord - 466	2 - 46 88
Producing formation DEVONIAN SHALE	LEO 4 DUNCES Par	zone dent	—	7-4932 389 <b>fact</b>
Gas: Initial open flow 94 Mcf/d	Oil. Ini	tial Cons	5152	-5389 3
Final open flow ? Mcf/d	Fin	al men fi	~3	D\100
Time of open flow between init	ial and fi	nal tests	`~	
Static rock pressure 1000 psig(surface				
(If applicable due to multiple completion				rs sime mi
Second producing formation		zone deni	-ĥ	feet
Gas: Initial open flow Mcf/d	Oil: Ini	tial open	flow	Bbl/d
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface				
		(Contin	ue on rei	verse side)

FORM IV-35 (REVERSE)

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

CO<sub>2</sub> Emulsion

180 bbl

32,000 lb

20/40 sand

30 Perforations

4662-5389

### WEIL LOG

A CONTRACTOR OF THE CONTRACTOR			REMARKS			
FORMATION COLOR HARD OR SOFT	TOP FEET	DAMAN EEEM	Including indication of all fresh			
constitut out man on sort	102 FEET	DULIUM FEET	and salt water, coal, oil and gas			
			an sait water, wer, our air gas			
K.B G.L.	0.1	10'				
Soil	10'	201				
Shale, Red Rock	20'	100'	H <sub>2</sub> O 1/2" stream @ 78"			
Red Rock	100'	115'	2			
Sand, Shale	115'	.240°				
Sand, Shale, Red Rock	240'	297'				
Coal	297'	303'	•			
Sand, Shale, Red Rock	303'	1250'				
Red Rock	1250'	1275				
Sand, Shale	1275'	2092'	*			
Big Lime	20921	2126'				
Big Injun	2126'	2242'	Gas check @ 2203' 30/10 = 2" H <sub>2</sub> 0			
Pocono	2242'	2272'	2			
Sand, Shale	2272'	2396'				
Weir	2396'	2473'	Gas check @ 2410' 20/10 = 2" H <sub>2</sub> 0			
Sand, Shale	2473'	2620'	2			
Gantz	2620'	2640'				
Sand, Shale	2640'	2696'				
50 Ft.	2696'	2767'				
Sand, Shale	2767'	2813'				
Gordon Stray/Gordon	2813'	2966				
Sand, Shale	2966'	3007'				
4th	3007'	3056'				
Sand, Shale	3056'	3162'				
5th	3162'	3231'	Gas check @ $3200^{\circ} 20/10 = 2^{\circ} H_{2}0$			
Sand, Shale	3231'	3484	_			
Warren	3484	3574				
Sand, Shale	3574'	3685'				
Upper Speechley	3685'	3740'				
Sand, Shale	3740'	3832'				
Speechley	3832'	3896'	•			
Sand, Shale	3896'	3955'	,			
Balltown	3955'	4156'				
Sand, Shale	4156'	4554	Gas Check @ $4250$ 20/10 = 2" $H_20$			
Bradford	4554'	4688				
Sand, Shale	4688"	4857				
Riley	4857'	4932				

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION, BRIDGEPORT, WV 26330

By: John / ten

Date:

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 that, encountered in the drilling of a well."

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

017-2295

#### WETT, TO

WELL LOG							
FORMATION COLOR H	ARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga			
Sand, Shale Benson Sand, Shale		4932' 5152' 5230'	5152' 5230' 5456' TD	word .			
		· ·					

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT	CORPORATION,	BRIDGEPORT,	WV	26330
Well Operator				
By:				
Date:				

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 the detailed geometric in the drilling of a well."







## Oil and Gas Division

OIL & GAS DIVISION The second secon

## OIL AND GAS WELL PERMIT APPLICATION

	TO THE DEPARTMENT OF MINES,	
	Charleston, W. Va.	DATE February 24, 1981
	Surface Owner George Eden	Company Petroleum Development Corporation
	Address 4628 Burnett Ave, Silver Spring MD  (H.J. Shahan Well #2)  Mineral Owner O.C. Haught, et. al.	0910 <sup>Address</sup> P.O. Box 26 Bridgeport, WV 26330
		Farm H. J. Shahan Acres 196
	Address Salem, WV 26426	
		Well No. TWO Elevation 1210'
	Address P.O. Box 1613 Morgantown, WV 265	
	Coal Operator	Quadrangle Salem
	Address	
	S PERMIT MUST BE POSTED AT THE WELL SITE	
ΔII	provisions being in accordance with Chapter 22,	
	the W. Va. Code, the location is hereby approved drilling renewed. This permit shall expire if	INSPECTOR TO BE NOTIFIED Paul Garrett
obe	erations have not commenced by 11-2-81	ADDRESS 321 Beech Street Clarksburg, WV 26301
enticorden (VIII-	Deputy Director - Oil & Gas Division	PHONE 622-3871
	GENTLEMEN:	
		the above named farm or tract of land for oil and gas, having fee
	Mutschelknaus made to Petroleum Developmen	e dated May 23 1978 by Clarence W.  nt Corp. and recorded on the 3 day of November
	19 78 in Doddridge County, Book 105	Page 344
	X NEW WELLDRILL DEEPER	REDRILLFRACTURE OR STIMULATE
	OIL AND GAS WELL ORIGINALLY DRILL	ED BEFORE JUNE 5, 1969.
	The enclosed plat was prepared by a registered engineer have been notified as of the above date.	r or licensed land surveyor and all coal owners and/or operators
		by notified that any objection they wish to make, or are required r filed with the Department of Mines within ten (10) days. •
		by registered mail, or delivered to the above named coal operators  day before, or on the  Department of Mines at Charleston, West Virginia.
	FLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Well Operator Copposition
		PETRØLEUM DEVELOPMENT CORPORATION P.O. Box 26 Street
	P. O. BOX 879  MORGANTOWN, WEST VIRGINIA 26505  AC-304 - 292-6331	perator Bridgeport, City or Town
		West Virginia 26330 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 netice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receiting 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.

Birthal Burn

47-017-2295-REN. PERMIT NUMBER

"I have read and understand the recommittee requirements as set forth in Chapter 22. Arcicle 4, Section 12-b and will carry out the specified requirements."

Signed by

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

PRILLING	G CONTRACTOR: (H		The second secon				
				-842-6256			
		LETED WELL: 5300		CABLE TOOLS			
		MATION: Cedar Creek	NOTAN Language	CABLE TOOLS			
			YOMR STYODAG	IE DISPOSAL			
				LOOD OTHER			
TENTATI	VE CASING PROGRA			Office			
CASI	NG AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FIFE UP OR SACKS - CUBIC FT.			
		a mandalagan dagan nang nang akan dagan dagan dagan dagan nang dagan ang ang ang ang ang ang ang ang ang					
9 . 5 8	The state of the s	40°	40 °	Circulate			
V E 5		8001	,	Cincilate 2			
The second secon	1	800'	800 1				
			1				
4 :	The second secon		5200	520 sky at 100 0			
	The state of the s		AND CONTRACTOR AND AND CONTRACTOR OF CONTRAC	Perf. Bottom			
1111		eng na kantagahakah de orape manana an garena agampan penangan di dan 1966 - 1966 - 1966 an ar ana na da da da	}				
The second secon			The second secon	Perf. Bottom			
APPROXI	MATE COAL DEPTHS BEING MINED IN TH	250'	e commence and an experimental control of the contr	R 100 FEET			
TO DRIL' SUB OF 1		OF OG + 1, \$100.00 PERM	T FEE, PERFORMANCE	BOND AND PERMANENT COPY			
TO DRILI	DEEPER OR REDRI						
SUB WEL	MIT FIVE (5) COPIES	OF OG - 1, SHOWING ORIG TO 1929, A PERMANENT C	INAL PERMIT NUMBER A OPY OF THE PLAT AND	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD			
TO FRAC	TURE - STIMULATE:						
OIL BON	AND/OR GAS WELL O	RIGINALLY DRILLED BEFO AND ORIGINAL WELL REC	RE JUNE 5, 1929, FIVE (5	) COPIES OG - 1, PERFORMANCE			
OIL	AND/OR GAS WELL O		ND/OR AFTER JUNE 5, 19	229, FIVE COPIES OG - 1, SHOW-			
Requ	1 1 1 to	d within ninety (90) days of a		e. Inspector to be notified twenty-			
		Victoria de la companya della companya della companya de la companya de la companya della compan					
CONTRACTOR AND A CONTRA	The state of the s	The control of the co	walka (Califoli ) ta ama sa alma (2 % ) ta arawa.	and the state of t			
,		,					
The thereof.	following waiver must	be completed by the coal ope	erator if the permit is to be	issued within ten days of receipt			
		ont for		er or Operator of the coal under ation.			
	We the	Coal Company	have no objections to said	well being drilled at this location, 17, Chapter 22 of the West Virginia			
				For Coal Company			

Official Title





## Oil and Gas Division

OIL & GAS DIVISION DEPT. OF MINES

ion

## OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,			
Charleston, W. Va.	DATE	September 22,	1978
Surface Owner George Eden	Comps	ny Petroleum Deve	lopment Corporat
Address 4628 Burnett Ave Silver Spri	no MD	s P. O. Box 26 Brids	
Mineral Owner O. C. Haught etal		H. J. Shahan	Acres 196
Address Salem WV	Locati	on (waters) Big Run	
Coal Owner Consolidation Coal Co.		lo. Two	Elevation 1260*
Address Morgantown WV	Distric	Maclallan	
Coal Operator	Quadra		
Address			
THIS PERMIT MUST BE POSTED AT THE V	VIII. SIT		
All provisions being in accordance with Cho of the W. Va. Code, the location is hereby	apter 22, approved INSPECTO	R	
for <u>drilling</u> . This permit shall			
operations have not commenced by 2-10.	79 ADDRESS	Clarkshuro West Vi	roinia 26301
The Lord of		200 2071	
Deputy Director - Oil & Gas Division	PHONE	022-30/1	
GENTLEMEN:			
The undersigned well operator is entitled to dri	ll upon the above na	med farm or tract of land for	or oil and gae having foo
title thereto, (or as the case may be) under grant  Haught etal made to Clarence N. M.	or lease dated 1	May 23rd 1977	_ bv _ 0, C.
19_78, inDoddridge County, Book _			day of <u>May</u>
XX NEW WELLDRILL DER	EPERR	EDRILL FRACT	HRE OR STIMILLATE
OIL AND GAS WELL ORIGINALLY	DRILLED BEFORE	I JUNE 5 1969	i or or monary
and the second s		·	
The enclosed plat was prepared by a registered have been notified as of the above date.	engineer or licensed	land surveyor and all coal	owners and/or operators
The above named coal owners and/or operator at make by Section 3 of the Code, must be received	are hereby notified the	at any objection they wish the Department of Mines with	o make, or are required in ten (10) days. *
Copies of this notice and the enclosed plat were or coal owners at their above shown respective ad	mailed by registered	mail, or delivered to the abo	ve named coal operators
same day with the mailing or delivery of this copy	to the Department of	I Mines at Charleston, West	Virginia.
PLEASE SUBMIT COPIES OF ALL	Very truly	yours,	A TO TO NOT
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Nam	JM DEVELOPMENT CORPOR	ALLUN
		Well Operator	
WEST VIRGINIA GEOLOGICAL AND		P. O. Box 26	
ECONOMIC SURVEY	Address of	Street	
P. O. BOX 879	Well Operator	Bridgeport	
MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	. <del>-</del>	City or Town	
		West Virginia 263	30
		State	
	*		

\*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice 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.

BLANKET BOND

DODD-2295

\_\_PERMIT NUMBER

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

PROPOSED WORK ORDER T	O XX DRILL	DEEPEN F	RACTU	RE-STIMIII.ATE		
DRILLING CONTRACTOR: (		RESPONSIBLE AGENT:				
NAME Unknown		NAME Petroleum D	pment Corporation			
ADDRESS			Bridgeport, WV 2633			
ESTIMATED DEPTH OF COM	PLETED WELL: 5100' Benson	ROTARY XX	CABL	E TOOLS		
PROPOSED GEOLOGICAL FO	RMATION:					
TYPE OF WELL: OII	GAS	COMB STORAGE	3	DISPOSAL		
	RECYCLI	NG WATER FLO	OOD)	OTHER		
TENTATIVE CASING PROGRA	AM:					
CASING AND TUBING	USED FOR	LEFT IN		CEMENT FILL UP		
SIZE	DRILLING	WELL.	-0	R SACKS - CUBIC FT.		
20 - 16						
13 - 10 11 3/4	40 '	40'		Surface		
9 - 5/8 8 - 5/8						
7	800'	800'		Surface		
5 ½				. 352.8		
4 ½		4900*	+			
3	7141	4900	Peri	Тор		
2				Bottom		
Liners				Тор		
				Bottom		
5						
APPROXIMATE FRESH WATE	R DEPTHS 40° FEET	100 SALT WATER		FEET		
APPROXIMATE COAL DEPTH	S		Although to	<ul> <li>Tells of the first of the property of the period</li> </ul>		
IS COAL BEING MINED IN T	HE AREA? NO	BY WHOM?				
TO DRILL:						
	C OF OC 1 #100 00 PERM					
OF PLAT.	S OF OG - 1, \$100.00 PERMI	II FEE, PERFORMANCE BO	OND A	D PERMANENT COPY		
TO DRILL DEEPER OR REDR	TT T .					
SUBMIT FIVE (5) COPIES	OF OG - 1, SHOWING ORIGITO 1929, A PERMANENT CO	INAL PERMIT NUMBER AN	D PER	ORMANCE BOND. ON GINAL WELL RECORD		
FO FRACTURE - STIMULATE:						
BUND, PERMANENT PLA	ORIGINALLY DRILLED BEFO T AND ORIGINAL WELL REC	CORD.		•		
ING ORIGINAL PERMIT N	ORIGINALLY DRILLED ON AI UMBER, AND PERFORMANCE	ND/OR AFTER JUNE 5, 192 BOND.	9, FIVE	COPIES OG - 1, SHOW		
Required forms must be fil four (24) hours in advance.	ed within ninety (90) days of c	completion for bond release.	Inspeci	r to be notified twenty-		
			Makkadar (samaan 1 da - Makkadar na - Angalaga a	e usu singung san pendambanan		
nereot.	be completed by the coal ope			thin ten days of receipt		
VAIVER: I the undersigned, Aş this lease have exami	gent forned and place on our mine ma	Coal Company, Owner aps this proposed well locati	or Opc	ntor of the coal under		
We theproviding operator has Code.	Coal Company locomplied with all rules and regu	have no objections to said we ulations in Articles 4, 5, and 7	ell bein; 7, Chapta	drilled at this location, 22 of the West Virginia		
		Ec	or Coal Co	npany		
,						
,		management of the second secon	C) (47 . 1 . 1			