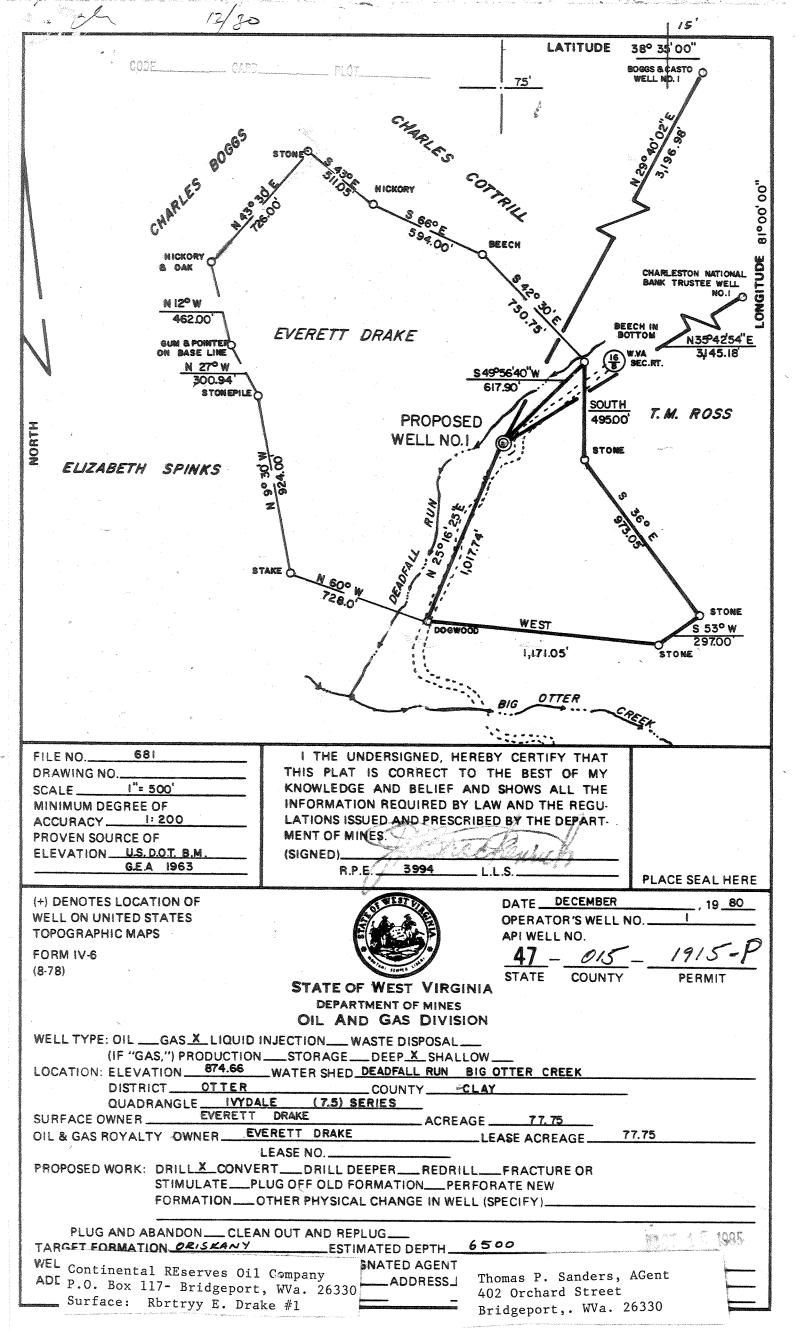
Card\_/ CSD ATITUDE 35'00" 0.205 CHARLES 100,000 18 HICKORY & OAK WELL NO.1 N 12º W 462.00 EVERETT DRAKE GUM & POINT! W.YA SEC.RT. N 270 W S 49°56'40"W 300,94 617.90 SOUTH T.M. ROSS 49500 PROPOSED NORTH WELL NO.I STONE ELIZABETH SPINKS 728.0 STONE WEST 53° W 297.00 1,171.05 STONE OTTER I THE UNDERSIGNED, HEREBY CERTIFY THAT FILE NO. THIS PLAT IS CORRECT TO THE BEST OF MY DRAWING NO .. 1"= 500 KNOWLEDGE AND BELIEF AND SHOWS ALL THE SCALE. INFORMATION REQUIRED BY LAW AND THE REGU-MINIMUM DEGREE OF LATIONS ISSUED AND PRESCRIBED BY THE DEPART-ACCURACY. MENT OF MINES. PROVEN SOURCE OF U.S. D.O.T. B.M (SIGNED). ELEVATION\_ GEA 1963 3994 R.P.E. L.L.S. PLACE SEAL HERE DECEMBER (+) DENOTES LOCATION OF DATE. WELL ON UNITED STATES. OPERATOR'S WELL NO. TOPOGRAPHIC MAPS API WELL NO. FORM IV-6 (8-78)STATE COUNTY STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION \_GAS\_X\_LIQUID INJECTION\_\_ \_WASTE DISPOSAL. (IF "GAS,") PRODUCTION\_\_\_STORAGE\_\_DEEP\_X\_SHALLOW WATER SHED DEADFALL RUN 874.66 BIG OTTER CREEK LOCATION: ELEVATION\_ OTTER CLAY DISTRICT COUNTY (7.5) SERIES IVYDALE QUADRANGLE EVERETT 77.75 SURFACE OWNER. ACREAGE\_ EVERETT DRAKE LEASE ACREAGE. OIL & GAS ROYALTY OWNER LEASE NO .. PROPOSED WORK: DRILLX\_CONVERT\_\_ DRILL DEEPER. REDRILL FRACTURE OR STIMULATE\_\_\_PLUG OFF OLD FORMATION\_\_\_PERFORATE NEW \_OTHER PHYSICAL CHANGE IN WELL (SPECIFY). CLEAN OUT AND REPLUG PLUG AND ABANDON. TARGET FORMATION ORISKANY ESTIMATED DEPTH WELL OPERATOR MERT DEVELOPMENT INC. DESIGNATED AGENT\_ ADDRESS RT. 8 BOX ADDRESS RT 8 BOX 336 WLVA

DEED WELL

6-6

unnamed

- 0- JAN 26 1981





### STATE OF WEST VIRGINIA DEPARTMENT OF MINES

## Oil and Gas Division

WELL RECORD

	WELL	RECORD		Rotary	mer poor
Quadrangle Ivydale				Recycling	Contractions
Permit No. 47-015-1915				-	d_ Storage
Permit No.				Disposal	
	-			AND DESIGNATION CONTRACTOR OF THE PROPERTY OF	(Kind)
Company MERT Development, Inc.		Casing and	Used in	Left	Cement fill up
Address R8-B336-AA, Fairmont, W.	THE RESERVE TO SERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COL	Tubing	Drilling	in Well	Cu. ft. (Sks.)
Drake . Ac	78	1 401118	D11111118	111 W C11	Cu. 11. (3k3.)
Location (waters) <u>Deadfall Run</u>		Size	and the state of t	Niconal Parish	
Well No1 Ele	× 875	20-16		a.v.	-
District Otter County Clay	7	Cond.			
he surface of tract is owned in fee by		13-10"	6645	6645	CTS
Everett Drake	·	9 5/8	<b>_</b>		-
Vidres		8 5/8	1867	1867	CTS
fineral rights are owned by Everett Drak	<u> </u>	7	<del></del>		4
Address.		5 1/2			1
willing Commenced July 23 1981		4 1/2		6321	825' Fillup
rilling Completed August 3, 1981		3	<u> </u>		•
nitial open flow cu. ft	bbls.	2			
inel productionce. ft. per day	575 bbls.	Liners Used			
Vell openhrs. before test_	642 RP.		A 20 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	and the second s	
Vell treatment details:		Attach copy of			
Perforate Oriskany (6133-44). 12	Holes Ac	idize with 35	00 Gal 28%	HCL - 1	5 SKS 20/40.
Perforate Chert (5992-6014) Foam	Frac with	330,000 SCF	N <sub>2</sub> , 20 SKS	20/40 S	Sanded
off at 6,000# PSI.			<b>E</b>		
	575 M	S-			
cal was encountered at Not Encounter	ed 🛌		_		
a second and a second a second and a second		t	inches	B	
resh waterFe		Sait '	Water		Feet
a second and a second a second and a second			Water		Feet
resh waterFee		Sait '	Water		
resh waterFe		Sait '	Water		
resh waterFee		Salt	Water		5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard	Top Feet	Sait Dept	Water		5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard	Top Feet  0 0 53	Bottom Feet	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown	Top Feet  0 0 53 53	Bottom Feet  0 51 53 95	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Sand (Corts) White Hard	Top Feet  0 0 53 53 95	Bottom Feet  0 51 53 95 350	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med.	Top Feet  0 0 53 53 95 350	Bottom Feet  0 51 53 95 350 1000	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft	Top Feet  0 0 53 53 95 350 1000	Bottom Feet  0 51 53 95 350 1000 1075	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium	Top Feet  0 0 53 53 95 350 1000 1075	Bottom Feet  0 51 53 95 350 1000 1075 1081	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Medium	Top Feet  0 0 53 53 95 350 1000 1075 1081	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Medium Shale Black Soft	Top Feet  0 0 53 53 95 350 1000 1075 1081 1103	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Medium Shale Black Soft Sand White Hard	Top Feet  0 0 53 53 95 350 1000 1075 1081 1103 1108	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232	Water	Water	5992-6014
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Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sd/Sh Gray Soft Sd/Sh Gray Soft Sand (Corts) White Hard	Top Feet  0 0 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Hard Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Hard Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Hard Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Shale Gray Soft Sand (Corts) White Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Sand/Black Shale Soft Sand White Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft Little Lime Gray/White Hard	Top Feet  O O S3 S3 S3 S5 S3 S5	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Hard Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sd/Sh Gray Hard Shale Gray Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft Little Lime Gray/White Hard Red Rock/Sh Gray/Red Soft	Top Feet  0 0 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021	Water	Water	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft Little Lime Gray/White Hard Red Rock/Sh Gray/Red Soft Shale Gray Soft	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828	Water	Water  ' 5'	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Hard Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft Little Lime Gray/White Hard Red Rock/Sh Gray/Red Soft Shale Gray Soft Shale Gray Soft Little Lime Gray/Red Soft Shale Gray Soft	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021	Mater	Water  ' 5'	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sd/Sh Gray Hard Shale Gray Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft Little Lime Gray/White Hard Red Rock/Sh Gray/Red Soft Shale Gray Soft Sand White Medium Shale Gray Soft	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519 4538	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519	Mater	Water  ' 5'	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Sand White Hard Sand White Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft Little Lime Gray/White Hard Red Rock/Sh Gray/Red Soft Shale Gray Soft Shale Gray Soft Little Lime Gray/Red Soft Shale Gray Soft	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519	Bottom Feet  O 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519 4538	Mater	Water  ' 5'	5992-6014
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sd/Sh Gray Hard Shale Gray Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft Little Lime Gray/White Hard Red Rock/Sh Gray/Red Soft Shale Gray Soft Sand White Medium Shale Gray Soft	Top Feet  0 0 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519 4538 4872	Bottom Feet  0 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519 4538 4872 5230	Water 6136-44  Oil, Gas or  Damp @ 53 Water @ 9	Water ' 5'	\$ Remarks
Formation Color Hard or Soft  Sand White Hard Sand Brown Hard Sand Brown Sand (Corts) White Hard Sand/Shale White/Gray Med. Shale Gray Soft Sd/Shale Gray Medium Shale Black Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sd/Sh Gray Hard Shale Gray Soft Sand White Hard Gray Sand/Black Shale Soft Sd/Sh Gray Hard Shale Gray Soft Sand (Corts) White Hard Gray Shale M/W White Sandstone Sandstone White Hard Shale Gray Soft Little Lime Gray/White Hard Red Rock/Sh Gray/Red Soft Shale Gray Soft Sand White Medium Shale Gray Soft	Top Feet  0 0 53 53 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519 4538 4872	Bottom Feet  O 51 53 95 350 1000 1075 1081 1103 1108 1150 1168 1232 1252 1310 1440 1560 1600 1828 2021 4519 4538 4872	Water 6136-44  Oil, Gas or  Damp @ 53 Water @ 9	Water ' 5'	5992-6014

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Sandy/Shale Gray Hard Shale Gray/Brown Soft Lime White/Gray Hard Sd/Sh Gray Oriskany Sand/Shale Helderberg @ TD-	5230 5360 5930 6102 6135 6155	5360 5930 6071 6135 6155 6413	Damp @6115' TD 6413'
•			03/0
		· · · · · · · · · · · · · · · · · · ·	
	- Indiana		
•	Personal designation of the second designati	*	
•			
		Date	October 29, 1981

Date	Uctobe	r 29. 1981
APPROVED MERT	Development, Inc	· Owner
<b>D</b>	· ( \ 1/2/	
<u></u>	() (Title)	Geologist

*	OFFICE OF OIL	. AND GAS - DE	PARTMENT OF	MINES Farm	Jecember 29,
					Drake
	OIL AND GAS	S WELL PERM	II APPLICAT	TION API No.	<b>47 - 015</b> 1915
ELL TYPE: 0i	1/ Gas_X_/				State County Per
(1	f "Gas", Production /	Underground	storage/	Deep_X/ S	hallow/
OCATION: EI	evation: 874.66	Watershed:	Dradfall	Run	
Di	strict: Otter	County: Cla	ıу	Quadrangle:_	/ VYDALE West Virginia
	MERT DEVELOPMENT, IN				
	Route 8 - Box 336-AA				
	Fairmont, West Virgin				West Virginia
	·		-		
IL & GAS OYALTY OWNER	Everett Drake	COA	L OPERATOR		
Address	Box 81		Address		
	Ivedale, West Virgin	i.a.	4THASEEDISTRATE		
Acreage	77.75	COA	L OWNER(S) W	TH DECLARATION	N ON RECORD:
URFACE OWNER	Everett Drake		Name		
Address	Box 81		Address	PARCI	ELV EIN
	Ivedale, West Virgin:	ia	COMMENT		2
Acreage	77.75		Name		2 9 1980
IELD SALE (IF					SAS DIVISION
	ombia Gas		AGG F E S S	DEPT.	OF MIINES
	0 McCorkle Avenue				
	rleston, West Virginia			H DECLARATION C	
edan a judi bili da je emanama.		· ·			
	SPECTOR TO BE NOTIFIED:		Address		
me Marti	in Nichols		<ul> <li>Carel Children</li> </ul>		
The unders	signed well operator is e	ntitled to ope	erate for oil	or gas purpos	es at the above
cation under	a deed/ lease_X_/	other contra	ct/ date	dsept. 19,	19 <u>80</u> , to the
idersigned wel <i>f said deed</i> ,	l operator from Lels lease or other contract ?	ie Drake ( nas been recon	Orphis Wats	on	
corded on NA	A, 19, in the	office of the	clerk of th	ne County Commi	ssion of
	rginia, inBo				
	ORK: Drill X / Drill De				
	Plug off old format				
	Other physical char			CONT. THE PROPERTY OF THE PROP	
rtment of Min Copies of t registered m ssees on or b nt of Mines a EASE SUBMIT C	S DIRECTLY TO: DIABILE	owner(s), and red to make b ys after the id the enclose to the above ilg or delive	coal lessee by Code § 22-4 receipt of t d plat and r	e are hereby no e-3 must be fil this Application eclamation pla perator, coal ermit Applicat	tified that any ed with the De- n by Department. n have been mail
	Street, East			ii operator	•

#### PROPOSED WORK ORDER

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

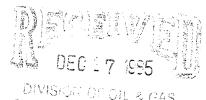
Size   Grade   per ft   New   Used   For drilling   Left in well   (Cubic feet)	LLING COM	Tracto!	•									· ·
Estimated depth of completed well, 6500 feet Rotary X / Cable tools / Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.  Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.  Approximate coal seam depths: Is coal being mined in the area? Yes / No X MG AND TUBING PROGRAM  MG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACKS  Size Grade per ft New Used For drilling Left in well (Cubic feet)  actor 11 34					Addre	55		Buckl	hannon ·			
Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.  Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.  Approximate coal seam depths: Is coal being mined in the area? Yes / No _X NO AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACE.  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACE.  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACE.  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACE.  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS  OR SACE.  Sizes  Traction   1/2						-		West	Virginia	3.		
Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.  Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.  Approximate coal seam depths: Is coal being mined in the area? Yes / No _X NO AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACE.  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACE.  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACE.  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS OR SACE.  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS  NG AND TUSING PROGRAM  NG OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP FACKERS  OR SACE.  Sizes  Traction   1/2						01	rick	. a n w				
Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.  Approximate coal seam depths: Is coal being mined in the area? Yes / No _X  MG AND TUBLING PROGRAM  MG OR SPECIFICATIONS FOOTAGE INTERVALS CHARM FILL-UP OR SACKS  NO TYPE Size Grade per ft Hew Used For drilling Left in well (Cubic feet)  Actor 11 34												
Approximate coal seam depths: Is coal being mined in the area? Yes / No _ X  NG AND TUBLIG PROGRAM  NG OR												
NG AND TUBING PROGRAM  NG OR SPECIFICATIONS POOTAGE INTERVALS CEMENT FILL-UP OR SACKS  OF TYPE Size Grade per ft New Used For drilling Left in well Council feet (Cubic feet)  A seter	Approxic	sate wa	ater si	trata d	epths		esh,_	60 :	eet; sal	t, 1500	. feet.	
NO TYPE Size Grade per fit New Used For drilling Left in well (Cubic feet)  actor   34	Approxim	cate co	oal sea	am dept	hs: _	******		Is	coal being	mined in	the area	X? Yes/ NoX
NO TYPE Size Grade per fit New Used For drilling Left in well (Cubic feet)  actor   34	TO A SUPE POR		200001	9								
Mater   3/4   X   60   60   CTS   Kinds    Mater   13/4   X   60   60   CTS   Kinds    Mater   13/4   23   X   2000   2000   1500   Fill up   CTS    Mater   10.5   X   6400   1600   Fill up   CTS    Mater   10.5   X   6400   1600   1600   1600    Mater   10.5   X   6400   1600    Mater   10.5   X   6400   1600    Mater   10.5   X   6400   1600    Mater   10.5   X   6400		istrog s			^117@		66	700010F	*****************	S some tremes common common		
neter X 60 60 CTS Kinds  Nater X 23 X 2000 2000 1500 Fill up CTS  Sizes  Traction 4/2 10.5 X 6400 1000 Fill up CTS  Section 4/2 10.5 X 6400 1000 Fill boths set  Regulation 7.02 of the Department of Mines provides that the original and four copies of Porm IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bend in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Porm IV-2, "Reclamation Plan", applicable to the realization required by Code § 22-4-2b and Regulation 23, (v) unless the consent required by Code § 22-4-a from the owner of any water well or duelling within 200 feet of the proposed well. The owner of any water well or duelling within Asspurate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or etimulating ie 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.  PERMIT MUST BE FOSTED AT THE WELL SITE  PROMITED TO THE PORT OF The Port of Code, the location is hereby exproved drilling . This permit sholl expire if	NG TYPE	1		Weight	Į				à	OR	SACKS	A .
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or coal lesses who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:  WAIVER  The undersigned coal operator / owner / lessee / of the coal under this well ion has examined this proposed well location. If a mine map exists which covers the area of the location, the well location has been added to the mine map. The undersigned has no objection to work proposed to be done at this location, provided the well operators have according to the coal under this location.	thereo applic previous the con 200 feed where is noted where is noted to the conditions have been been been been been been been be	tation of the trusty reserved as AMUST being a Code ing rector - follocoal to be under examin, the cosed to see the cosed to the cosed	m 11, other to the content of the present of the pr	security as security at the security the security of the secur	bond by all string with a short of the short	the or control of the	me of by Crited it to be circled it Sills or 22 croved a decided it sills in a decided i	the for ods § 22 be Code § 22 be required from the formation in common the claration days of A I V E owner ion. If the trouble arouse a provide the control of the control	me prescrib4-2, (iii) \$ 22-4-12b red by Code owner of an uired for fr f the work f section there  mader Code receipt then    less   a mine map   mine map   code the well   the well	ed by Reg Form IV- and Regul § 22-4-1 y water: cacturing for which with.  2 § 22-4- reof: exists w The under	ulation 3, "Reciation 23 22, and cell or or stim a permi	12, or in lieu amation Plan*, i, (iv) unless (v) if applicable, dwelling within  ulating a well t is sought and  coal owner he permit  coal under this well ers the area of the
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FORM IV-38 Efidavit of Plugging)

My commission expires:

My-Commission Expires March 5, 1994

#### STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



AFFIDAVIT OF PLUGGING AND FILLING WELL

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

FFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, one copy to e retained by the Well Operator and the third copy (and extra copies if required) should e mailed to each coal operator at their respective addresses. Continental Reserves Oil Company None with Declaration on Record Name of Well Operator Coal Operator or Owner P.O. Box 117, Bridgeport, WV Complete Address 26330 Address December 10 WELL AND LOCATION Coal Operator or Owner Otter Address Clay County Everett E. Drake, Agt. Lease or Property Owner #1 WELL NO. Box 81 Star Route, Ivydale, WV 25113 Address Drake STATE INSPECTOR SUPERVISING PLUGGING Craig Duckworth DEC 3 1 1385 AFFIDAVIT DIVIS. JN OF OIL & GAS STATE OF WEST VIRGINIA, ss: DEPT. OF ENERGY County of Harrison Thomas P. Sanders and David Shanle being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Continental/Halliburton respectively , well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 22nd day of October 19 85, and that the well was plugged and filled in the following manner: Casing Plugs Used Filling Material Sand or Zone Record CSG CSG Size & Kind Formation 0 1867 9 5/8" Run 2 3/8" tubing to 6,190' 919 4 1/2" 5402 Set 300' Cement Plug from 6190 6,190' to 5,890' 2 3/8" 6% HOWCO Gel from 5,890' to 5,400' Cut 4 1/2" casing at 5,402' Set 100' Cement Plug from 5,402' to 5,302' 6% HOWCO Gel from 5,302 to 1,955' Set 300' Cement Plug from 1,955' to 1,655' 6% HOWCO Gel from 1,655' to 150' Cement Plug to surface of Monument Description Coal Seams 3' above 8 5/8" casing monume (Name) welded on 9 5/8" casing. \_welded (Name) with permit number (Name) (Name) and that the work of plugging and filling said well was completed on the 24th day \_\_\_\_, 19 <u>85</u>. And further deponents saith not. Quis Sworn to and subscribed before me this 10th day of December

Notary Public

Permit No. 47-015-1915