

FILE NO. 681
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION U.S. D.O.T. B.M. G.E.A 1963

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) _____
 R.P.E. 3994 L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE DECEMBER, 19 80
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 - 015 - 1915
 STATE COUNTY PERMIT

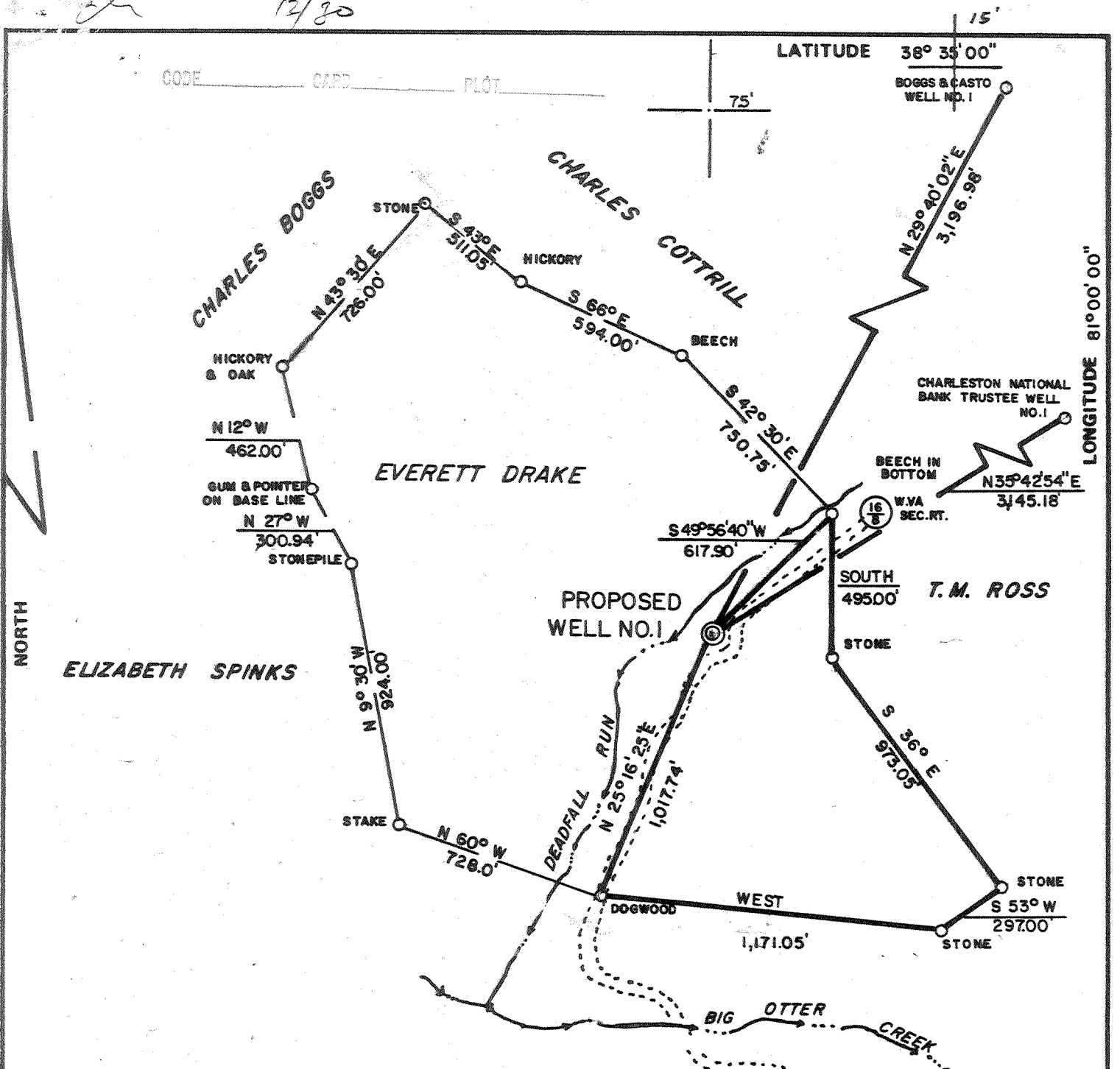
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 874.66 WATER SHED DEADFALL RUN BIG OTTER CREEK
 DISTRICT OTTER COUNTY CLAY
 QUADRANGLE IVYDALE (7.5) SERIES OTTER IS' SE
 SURFACE OWNER EVERETT DRAKE ACREAGE 77.75
 OIL & GAS ROYALTY OWNER EVERETT DRAKE LEASE ACREAGE 77.75
 LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 6500
 WELL OPERATOR MERT DEVELOPMENT INC. DESIGNATED AGENT R.J. YEDLOWSKY
 ADDRESS RT. 8 BOX 336 AA FAIRMONT W.VA 26554 ADDRESS RT. 8 BOX 366 AA FAIRMONT W.VA. 26554

DEEP WELL G-6 unnamed - 0 - JAN 26 1981



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 (SIGNED) [Signature]
 R.P.E. 3994 L.I.S. _____

PLACE SEAL HERE

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 FORM IV-6 (8-78)



DATE DECEMBER, 19 80
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-015-1915-P
 STATE 47 COUNTY 015 PERMIT 1915-P

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 874.66 WATER SHED DEADFALL RUN BIG OTTER CREEK
 DISTRICT OTTER COUNTY CLAY
 QUADRANGLE IYDALE (7.5) SERIES
 SURFACE OWNER EVERETT DRAKE ACREAGE 77.75
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 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 6500
 WEL Continental Reserves Oil Company
 ADI P.O. Box 117- Bridgeport, WVa. 26330
 Surface: Rbrtry E. Drake #1
 SNATED AGENT ADDRESS: Thomas P. Sanders, AGent
 402 Orchard Street
 Bridgeport, WVa. 26330
 OCT 15 1985



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary Oil _____
 Cable _____ Gas
 Recycling _____ Comb. _____
 Water Flood _____ Storage _____
 Disposal _____ (Kind) _____

Quadrangle Ivydale
 Permit No. 47-015-1915

Company MERT Development, Inc.
 Address R8-B336-AA, Fairmont, W. Va. 26554
 Farm Drake Acres 78
 Location (waters) Deadfall Run
 Well No. 1 Elev. 875
 District Otter County Clay
 The surface of tract is owned in fee by _____
Everett Drake

Address _____
 Mineral rights are owned by Everett Drake
 Address _____

Drilling Commenced July 23, 1981
 Drilling Completed August 3, 1981
 Initial open flow - 0 - cu. ft. _____ bbls.
 Final production _____ cu. ft. per day 575 bbls.
 Well open 4 hrs. before test 642 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	6645	6645	CTS
8 5/8	1867	1867	CTS
7			
5 1/2			
4 1/2		6321	825' Fillup
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforate Oriskany (6133-44). 12 Holes Acidize with 3500 Gal 28% HCL - 15 SKS 20/40.
Perforate Chert (5992-6014) Foam Frac with 330,000 SCF N₂, 20 SKS 20/40 Sanded
Off at 6,000# PSI.

575 MCF

Coal was encountered at Not Encountered Feet _____ Inches _____
 Fresh water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand Oriskany, Chert Depth 6136-44 5992-6014

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand	White	Hard	0	0		
Sand	White	Hard	0	51		
Sand	Brown	Hard	53	53		Damp @ 53'
Sand	Brown		53	95		Water @ 95'
Sand (Corts)	White	Hard	95	350		
Sand/Shale	White/Gray	Med.	350	1000		
Shale	Gray	Soft	1000	1075		
Sd/Shale	Gray	Medium	1075	1081		
Sand	White	Medium	1081	1103		
Shale	Black	Soft	1103	1108		
Sand	White	Hard	1108	1150		
Gray Sand/Black Shale		Soft	1150	1168		
Sd/Sh	Gray	Hard	1168	1232		
Shale	Gray	Soft	1232	1252		
Sand (Corts)	White	Hard	1252	1310		
Gray Shale M/W White Sandstone			1310	1440		
Sandstone	White	Hard	1440	1560		
Shale	Gray	Soft	1560	1600		
Little Lime	Gray/White	Hard	1600	1828		
Red Rock/Sh	Gray/Red	Soft	1828	2021		
Shale	Gray	Soft	2021	4519		Hole Wet @3500'
Sand	White	Medium	4519	4538		
Shale	Gray	Soft	4538	4872		
Sd/Shale	Gray	Medium	4872	5230		

* Indicates Electric Log tops in the remarks section.

(over)

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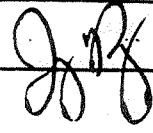
APR 4 1983

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sandy/Shale	Gray	Hard	5230	5360		
Shale	Gray/Brown	Soft	5360	5930		
Lime	White/Gray	Hard	5930	6071		
Sd/Sh	Gray		6102	6135		
Oriskany			6135	6155		Damp @6115'
Sand/Shale	Helderberg @ TD		6155	6413		TD 6413'

6135
875
5260

Date October 29, 1981

APPROVED MERT Development, Inc. Owner

By  (Title) Geologist

OIL AND GAS WELL PERMIT APPLICATION

Date: December 29,
Farm
Name: Drake
API No. 47 - 015 1915
State County Perm

WELL TYPE: Oil ___ / Gas x /
(If "Gas", Production ___ / Underground storage ___ / Deep x / Shallow ___ /
LOCATION: Elevation: 874.66 Watershed: Dradfall Run
District: Otter County: Clay Quadrangle: I VYDALE
West Virginia

WELL OPERATOR MERT DEVELOPMENT, INC. DESIGNATED AGENT Jerry Poling
Address Route 8 - Box 336-AA Address Route 8 - Box 336-AA
Fairmont, West Virginia 26554 Fairmont, West Virginia

OIL & GAS
ROYALTY OWNER Everett Drake
Address Box 81
Ivedale, West Virginia

COAL OPERATOR
Address

ACREAGE 77.75
SURFACE OWNER Everett Drake
Address Box 81
Ivedale, West Virginia
ACREAGE 77.75

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address **RECEIVED**
DEC 29 1980

FIELD SALE (IF MADE) TO:
Name Colombia Gas
Address 1900 McCorkle Avenue
Charleston, West Virginia

Name
Address OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS INSPECTOR TO BE NOTIFIED:
Name Martin Nichols

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease x / other contract ___ / dated Sept. 19, 1980, to the undersigned well operator from Lelsie Drake Orphis Watson (If said deed, lease or other contract has been recorded:)

Recorded on NA, 19 , in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book _____, at page _____. A permit is requested as follows

PROPOSED WORK: Drill x / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by 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 lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 15 Washington Street, East

BLANKET BOND

Jerry Poling
Well Operator

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack
Address Buckhannon
West Virginia

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 6500 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 60 feet; salt, 1500 feet.

Approximate coal seam depths: Is coal being mined in the area? Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4			X		60	60	CTS	Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8		23	X		2000	2000	1500 Fill up	CTS
Production	4 1/2		10.5	X			6400	2500 1000' Fill up	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 9-9-81.

J. J. Murphy
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its

RECEIVED
DEC 17 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

None with Declaration on Record
Coal Operator or Owner
Address
Coal Operator or Owner
Address
Everett E. Drake, Agt.
Lease or Property Owner
Box 81 Star Route, Ivydale, WV 25113
Address

Continental Reserves Oil Company
Name of Well Operator
P.O. Box 117, Bridgeport, WV 26330
Complete Address
December 10 19 85
WELL AND LOCATION
Otter District
Clay County
WELL NO. #1
Drake

STATE INSPECTOR SUPERVISING PLUGGING Craig Duckworth

AFFIDAVIT

RECEIVED
DEC 3 1985

STATE OF WEST VIRGINIA,
County of Harrison

ss:

DIVISION OF OIL & GAS
DEPT. OF ENERGY

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:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
	Run 2 3/8" tubing to 6,190'	9 5/8"	0	1867'
	Set 300' Cement Plug from 6,190' to 5,890'	4 1/2"	5402'	919'
	6% HOWCO Gel from 5,890' to 5,400'	2 3/8"	6190'	0
	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'			
	150' Cement Plug to surface			
Coal Seams		Description of Monument		
(Name)		3' above 8 5/8" casing monument		
(Name)		welded on 9 5/8" casing. Welded		
(Name)		with permit number		
(Name)				

and that the work of plugging and filling said well was completed on the 24th day of October, 19 85.

And further deponents saith not.

David Shanle
David Shanle

Sworn to and subscribed before me this 10th day of December, 19 85.

Bette [Signature]
Notary Public

My commission expires:
My Commission Expires March 5, 1994

Permit No. 47-015-1915

11/6/85