

New Location

Drill Deeper

Abandonment

Minimum Error of Closure 1 in 200
Source of Elevation B.M. 1048 Manilla Ridge Road

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company Steve Duckworth

Address RR Sugar Camp Rd, Cassaway

Farm VEACHER WINTERS *W 200624*

Tract _____ Acres 62 Lease No. 2178

Well (Farm) No. 1 Serial No. 877

Elevation (Spirit Level) 1032'

Quadrangle 15' WINFIELD 7.5' ELMWOOD

County PUTNAM District BUFFALO

Surveyor Janice D Defton

Surveyors Registration No. 149

File No. _____ Drawing No. _____

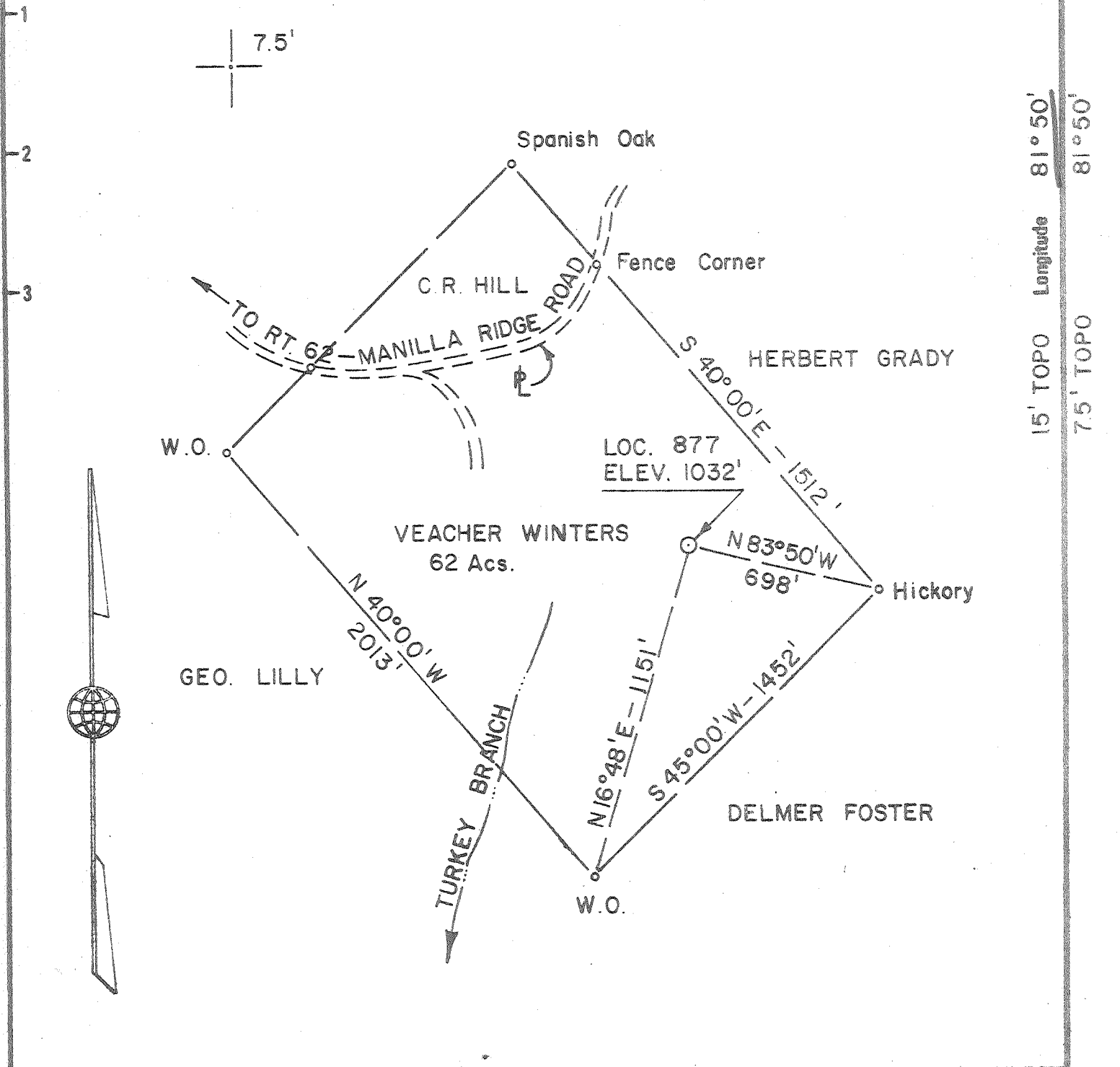
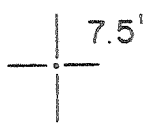
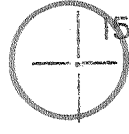
Date 13 APR, 1978 Scale 1" = 500'

STATE OF WEST VIRGINIA
Division of Environmental Protection
Office of Oil & Gas
Nitto, W.

WELL LOCATION MAP
APC Well No. 47-079-00860-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.



Longitude 81° 50'
Longitude 81° 50'
15' TOPO
7.5' TOPO

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation B.M. 1048 Manilla Ridge Road

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company DEVON CORP.
 Address P.O. BOX 1433 CHARLESTON, W.V.
 Farm VEACHER WINTERS
 Tract Acres 62 Lease No. 2178
 Well (Farm) No. 1 Serial No. 877
 Elevation (Spirit Level) 1032'
 Quadrangle 15' WINFIELD 7.5' ELMWOOD
 County PUTNAM District BUFFALO
 Surveyor *James E. Defton*
 Surveyor's Registration No. 149
 File No. Drawing No.
 Date 13 APR. 1978 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. PUT-860

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-079 APR 21 1978

Deep Well 5075' Oriskany-6 MIDWAY-EXTRA 278



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD 17

Quadrangle Elmwood
Permit No. PUT 860

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

Company DEVON CORPORATION
Address Box 1433, Charleston, WV
Farm Veacher Winters Acres 62
Location (waters) Turkey Br. of 18 Mi. Creek
Well No. 1-877 Elev. 1032
District Buffalo County Putnam
The surface of tract is owned in fee by Veacher Winters, et ux
Address Robertsburg, W. Va.
Mineral rights are owned by Same as above
Address _____
Drilling Commenced April 24, 1978
Drilling Completed May 3, 1978
Initial open flow Show cu. ft. _____ bbls.
Final production 76 M cu. ft. per day _____ bbls.
Well open 4 hrs. before test 1375 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	815	815	350 sacks
8 5/8			
7	2738	2738	75 sacks
5 1/2			
4 1/2	5083	5083	150 sacks
3			
2		4900	
Liners Used			

Well treatment details:

perforated from 4894 to 4896 with 16 holes. Water frac Oriskany Sand with 935 BBL of treated gelled water, 163,000 SCF of nitrogen, 15,000 lbs of 80/100 and 45,000 lbs of 20/40 sand.

Attach copy of cementing record. Halliburton

Coal was encountered at 742-748 Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Sand Depth 4883-4902'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	94		
Shale			94	122		
Sand			122	136		
Shale			136	208		
Red Rock			208	265		
Broken Sand			265	290		
Red Rock			290	420		
Sand			420	436		
Shale			436	476		
Sand			476	488		
Red Rock			488	540		
Broken Sand			540	561		
Red Rock			561	624		
Shale			624	656		
Red Rock			656	688		
Sand			688	728		
Shale			728	742		
Coal			742	748		
Shale			748	803		
Sand			803	826		
Red Rock			826	872		
Shale			872	913		
Red Rock			913	968		
Shale			968	1040		

(over)

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock			1040	1090		
Shale			1090	1111		
Sand			1111	1149		
Shale			1149	1228		
Broken Sand			1228	1343		
Shale			1343	1391		
Sand			1391	1400		
Shale			1400	1569		
Sand			1569	1621		
Shale			1621	1865		
Broken Sand			1865	1917		
Shale			1917	1978		
Sand			1978	1999		
Little Lime			1999	2032		
Big Lime			2032	2169		
Shale			2169	2199		
Injun			2199	2251		
Shale			2251	2646		
Coffee Shale			2646	2668		
Berea Sand			2668	2688		
Shale			2688	3846		
Br. Shale			3846	4275		
Shale			4275	4659		
Marcellus Shale			4659	4808		
Onondaga Limestone			4808	4885		
Oriskany Sand			4885	4904		
Helderberg Limestone			4904	5067		
Top of Silurian			5067			
					4808	4885 4904 5067
					1032	1032 1032 1032
					3776	3853 3872 4035
Total Depth				5106'		

Date August 23, 1978

APPROVED

DEVON CORPORATION

Owner

By

A. C. Gause
District Geologist



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE April 5, 1978
Company DEVON CORPORATION
Address Box 1433, Charleston, W. Va.
Farm Veacher Winters Acres 62
Location (waters) Turkey Br. of 18 Mile Creek
Well No. 1- 877 Elevation 1032
District Buffalo County Putnam
Quadrangle Elmwood

Surface Owner Veacher Winters, et ux
Address Robertsburg, W. Va.
Mineral Owner Same as above
Address _____
Coal Owner Same as above
Address _____
Coal Operator Not operated
Address _____

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 8-18-78

Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Martin Nichols
ADDRESS Clendenin, W. Va.
PHONE 548-6993

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated June 12 19 72 by Veacher Winters made to Commonwealth Gas Corp. and recorded on the 13th day of April 19 72 in Putnam County, Book 56 Page 455

XXX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

Very truly yours,
(Sign Name) A. C. Youse
A. C. Youse, District Geologist
Box 1433

W. VA. OIL & GAS CONSERVATION COMMISSION
613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address
of
Well Operator

Street
Charleston,
City or Town
West Virginia
State

BLANKET BOND

*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.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Art. 4, Sect. 12-b and will carry out the specified requirements."
A. C. Youse District Geologist
PUT-860 PERMIT NUMBER
47-079

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

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME FWA Drilling Co. NAME Bill W. Backus
 ADDRESS Box 448, Elkview, W. Va. ADDRESS Box 1433, Charleston, W. Va.
 TELEPHONE 965-3379 TELEPHONE 342-3171
 ESTIMATED DEPTH OF COMPLETED WELL: 5075 ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS XXX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	<u>775-800</u>	<u>775 800</u>	<u>400 sax=to surface</u>
8 - 5/8			
7	<u>2775</u>	<u>2775</u>	<u>75 sax=700 feet</u>
5 1/2			
4 1/2	<u>5075</u>	<u>5075</u>	<u>150 sax=1800 feet</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 747-750 (285' above sea level)
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

38
Aug-95

API # 47- 79-00860-F

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, 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.

Farm name: CLAGG, ROBERT C. Operator Well No.: 1-877

LOCATION: Elevation: 1,032.00 Quadrangle: ELMWOOD
District: BUFFALO County: PUTNAM
Latitude: 3150 Feet South of 38 Deg. 40 Min. 0 Sec.
Longitude: 11860 Feet West of 81 Deg. 50 Min. 0 Sec.

Well Type: OIL X GAS

Company: Steve Duckworth
88 Sugar Camp Rd.
Gassaway, WV 26624

Coal Operator _____
or Owner _____

Agent: Same

Coal Operator _____
or Owner _____

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WV Division of
Environmental Protection

Permit Issued: 09/29/94

JAN 25 1996

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____

ss:

Permitting
Office of Oil & Gas

Rick Duckworth and Mick Moore 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 the above named well operator, and participated in the work of plugging and filling the above well, and Glen Robinson Oil and Gas Inspector representing the Director, say that said work was commenced on the 22 day of July, 1995, and that the well was plugged and filled in the following manner:

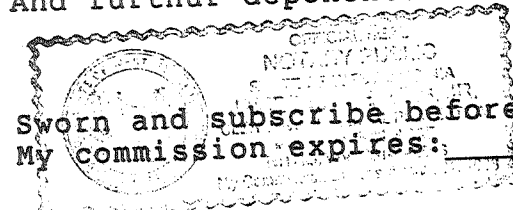
TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	4910'	4810'		815' - 9 5/8'
Cement	2177'	1952'		681' - 7"
Cement	875'	775'	2057' - 7"	
Cement	50'	0'	2177' - 4 1/2"	2906' - 4 1/2"
Gelled between all plugs				

Description of monument: 7" casing with API numbers.
and that the work of plugging and filling said well was completed on the 31 day of July, 1995.

And further deponents saith not.

Rick Duckworth

Mick Moore



Sworn and subscribe before me this 25 day of January, 1996
My commission expires: August 31, 1998
James S. Strang
Notary Public

Oil and Gas Inspector: _____

SEE BACK

As directed by The Office of Oil and Gas. Division of Environmental Protection, moved Rotary rig, drill pipe, drill collars and mud pump back on well location to drill out and determine actual depths of cement plugs, due to land owner reporting gas leaking from well after abandonment.

Moved TD - 15 dozer in opened and cleaned out pit to determine trash disposal as reported by land owner. Nothing was found in the pit. Hauled water, rigged up and drilled out surface cement plug and cleaned out to approximately 1300'. The plugs at 50' to surface and 775 to 875' was in place and actually cement was in excess.

At the direction Glen Robinson, State Well Inspector who indicated clean out depth to approximately 1300' was sufficient, rigged up cementing unit and set cement plugs:

1150' to 1050'

875' to 775'

50' to surface

Hauled water from drill pit, rigged down and moved equipment from location. Re - reclaimed the well location, installed monument, seeded and mulched site. State well inspectors overseeing the above included J. Tephacock, G. Robinson and C. Hivley.

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WV Division of
Environmental Protection

JAN 25 1996

Permitting
Office of Oil & Gas