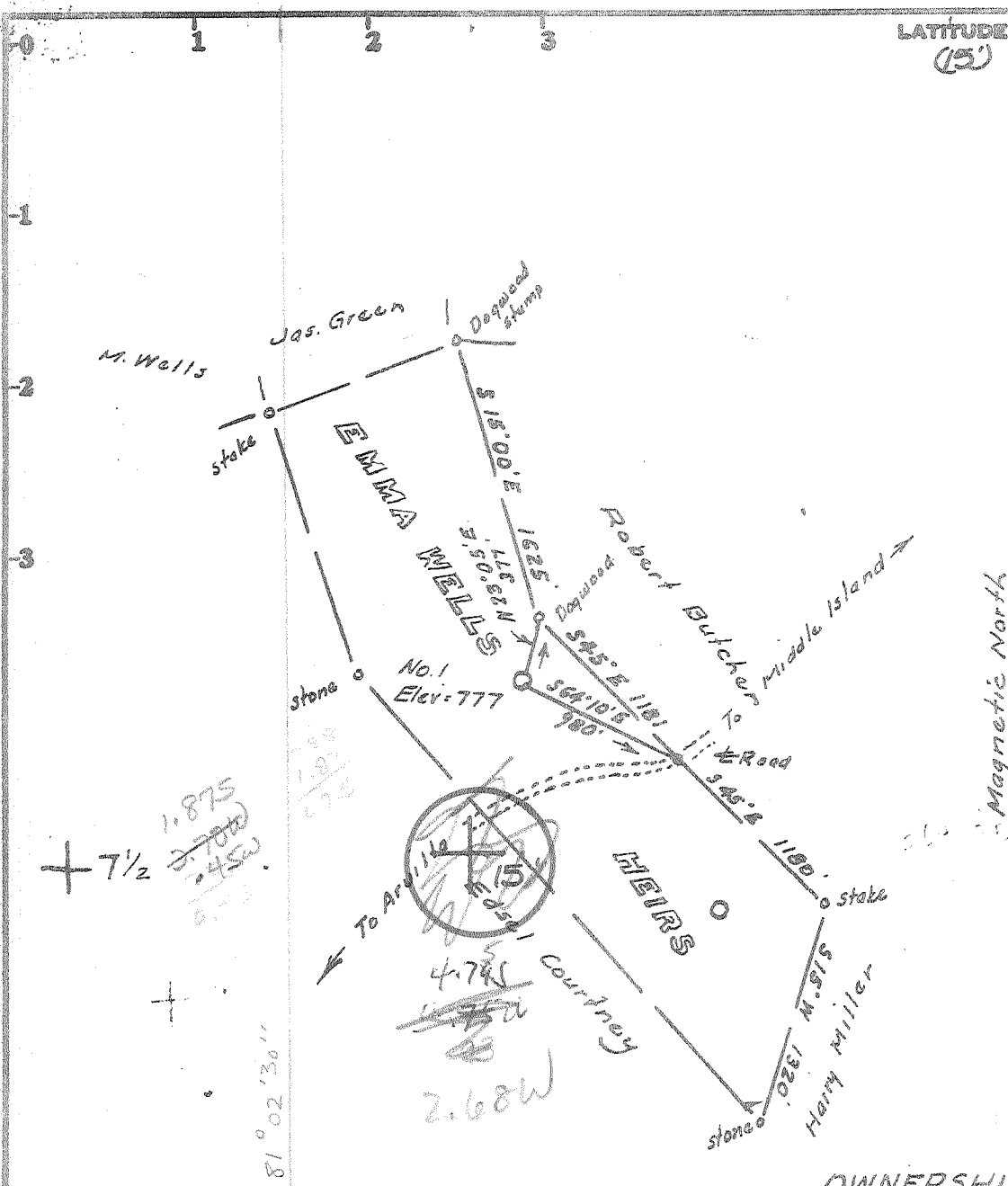


10/2/79

LATITUDE 39° 27' 30" (5)
39° 30'

LONGITUDE 81° 00' 30" (15)
81° 02' 30"



39 25 50
81 05 20

1.875
4.755
2.68W
75' loc
w of 10230

+ 7 1/2
1.875
4.755
2.68W

LEGEND

- Lines plotted from deads
- Surveyed lines
- Roads
- Well Location

OWNERSHIP
Fee ownership is vested in
Emma Walls Hairs
Rural Route, Bens Run, W. Va.

Minimum Error of Closure 1 in 200

Source of Elevation Elev. Robert Butcher No. 2 = 707'

code 15' loc
4.755 39 30
2.68W 81 00

- Fracture.....
- New Location...
- Drill Deeper.....
- Abandonment.....

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.

Signed: *W. Abstract J.*
Squares: N S E W

Company Security Gas and Oil Inc.
 Address 417 1/2 2nd Street, St. Marys W. Va. 26170
 Farm Emma Walls Hrs.
 Tract _____ Acres 95+ Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 777 NE
 Quadrangle Bens Run 7 1/2', St. Marys 15'
 County Pleasants District Union
 Engineer W. Abstract J.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Sept 19, 1979 Scale 1" = 1000'

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

WELL LOCATION MAP
FILE NO. 47-073-0797

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

OCT 12 1979

6-6 ~~SANITIZER~~ (086) (80) *AW*



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

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

Quadrangle Bera Run 7 1/2
Permit No. 47-0730797

Company Security Gas & Oil Inc.
Address 417 1/2 Second Street
Farm Emma Wells #1 Acres 95+
Location (waters) Big Run
Well No. #1 Elev. 777
District Union County Pleasants
The surface of tract is owned in fee by _____
Emma Wells Heirs
Address _____
Mineral rights are owned by Emma Wells Heirs
Address (See Attachments)
Drilling Commenced 10-23-79
Drilling Completed 10-26-79
Initial open flow 600,000 cu. ft. 30 bbls.
Final production 200,000 cu. ft. per day 20 bbls.
Well open 2 hrs. before test 1650 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up - Cu. ft. (Sks.)
Size 20-16			Cement to Surface 390 Sacks
Cond. 13-10"			
9 5/8			
8 5/8	879		
7			
5 1/2			
4 1/2	2729		
3			
2	2580		
Liners Used			

Well treatment details: Attach copy of cementing record.
WG 12 -- 500lbs. WAC 10 -- 600lbs. 15-N -- 50 Gal
Clay Sta 30 gal. Parasperse 55Gal.

Coal was encountered at 0 Feet 0 Inches
 Fresh water 95 Feet 0 Salt Water 0 Feet
 Producing Sand Gordon Depth 2586-2600

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	Yellow	Soft	0	25		
Sandstone	Gray	Hard	25	45		
Clay	Red	Soft	45	85		
Shale	Gray	Soft	85	145		
Shale	Red	Soft	145	195		
Shale	Gray	Soft	195	235		
Shale	Red	Soft	235	335		
Shale	Gray	Soft	335	365		
Shale	Red	Soft	365	395		
Shale	Gray	Hard	395	425		
Shale	Red	Soft	425	435		
Shale	Gray	Hard	435	505		
Sand	White	Soft	505	525		
Shale	Gray	Soft	525	535		
Shale	Gray	Hard	535	585		
Lime	Gray	Hard	585	595		
Shale	Gray	Soft	595	705		

Indicates Electric Log tops in the remarks section.

(over)

JAN 18 1982

JAN 10 1982

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand	Gray	Soft	705	715		
Sand	Red	Soft	715	905		
Sand	Gray	Soft	905	920		
Sand	Gray	Hard	920	955		
Sand	Gray	Soft	955	975		
Sand	Gray	Hard	975	1000		
Sand	Gray	Soft	1000	1040		
Sand	Gray	Hard	1040	1090		
Sand	Gray	Soft	1090	1140		
Sand	Gray	Hard	1140	1240		
Sand	Gray	Soft	1240	1400		
Sand	Gray	Hard	1400	1430		
Sand	Gray	Soft	1430	1480		
Sand	Gray	Hard	1480	1530		
Sand	Brown	Hard	1530	1640		
Sand	Gray	Soft	1640	1680		
Sand	Gray	Hard	1680	1820		
Sand	Gray	Soft	1820	1910		
Sand/Shale	Gray	Soft	1910	2050		
Sand	Gray	Hard	2050	2070		
Sand	Gray	Soft	2070	2100		
Sand	Gray	Hard	2100	2130		
Sand	Gray	Soft	2130	2280		
Sand/Shale	Gray	Hard	2280	2370		
Sand	Gray	Soft	2370	2390		
Sand/Shale	Gray	Hard	2390	2500		
Sand	Gray	Soft	2500	2586		
Sand/Coal	Gray	Hard	2586	2600		
Sand	Gray	Soft	2600	2766		

Date June 11, 1971

APPROVED: Security Gas & Oil Inc.
7 1/2 Second St.
St. Marys, W. Va. 26170 Owner

[Signature]
 Vice President

Date: Sept. 27, 1979

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Emma Wells #1
API Well No. 47 - 073 - 0797
State County Permit

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 777' Watershed: Middle Island
District: Union County: Pleasants Quadrangle: Bone Run 7 1/2

WELL OPERATOR Security Gas & Oil Inc.
Address: 417 1/2 Second Street
WV 26170

DESIGNATED AGENT Earl W. Smith
Address Rt. 39, St. Marys
WV 26170

OIL & GAS ROYALTY OWNER Emma Wells Heirs c/o Gordon Wells
Address Rt. 1, Box 108
Friendly, WV 26146

COAL OPERATOR None
Address _____

Acreage 95+
SURFACE OWNER Same
Address _____
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Tracey
Address Middlebourne, WV
1-304-758-4573

OIL & GAS DIVISION
DEPT. OF MINES

RECEIVED
OCT 1 - 1979

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated May 19, 1979, to the undersigned well operator from Emma Wells Heirs c/o Gordon Wells

[If said deed, lease, or other contract has been recorded:]
Recorded on May 22, 1979, in the office of the Clerk of the County Commission of Pleasants County, West Virginia, in Deed Book 152 at page 220. A permit is requested as follows:

PROPOSED WORK: Drill / 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 the 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.

Security Gas & Oil Inc.
Well Operator

By Frank E. Pritchard
Its Field Supt.

BLANKET BOND

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA'S OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 248-3000

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) _____
Address _____

GEOLOGICAL TARGET FORMATION, Gordon Series

Estimated depth of completed well, 3500 feet Rotary xx / Cable tools /

Approximate water strata depths: Fresh, 125 feet; salt, feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes / No xxxx

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	8 5/8		24 lb. x			250'	250'	85 sacks	Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production	4 1/2		10.5				3500'	400 sacks	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-3, "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 ~~THIS PERMIT MUST BE POSTED AT THE WELL SITE~~ in connection therewith.

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 6-2-80.

[Signature]
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