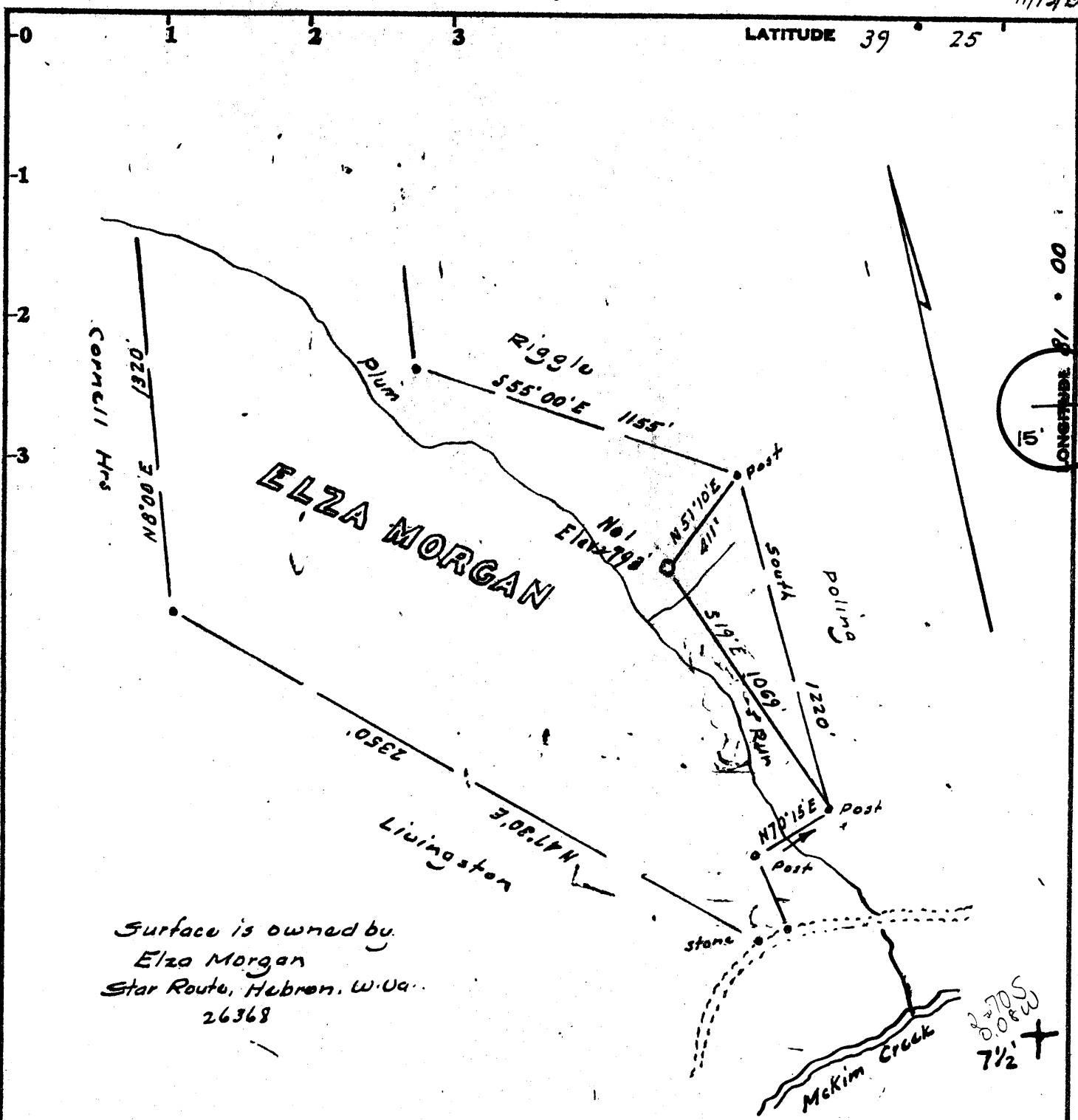


11/13/79



Minimum Error of Closure 1 in 200'  
 Source of Elevation B. M. on road at head of Cole Run = 1049

- 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: [Signature]  
 Squares: N S E W

Map No.

Company	<u>Security Gas and Oil Co.</u>
Address	<u>417 1/2 2nd St., St. Marus, W. Va. 26170</u>
Farm	<u>Elza Morgan (DILLON)</u>
Tract	Acres <u>91</u> Lease No. _____
Well (Farm) No	<u>One</u> Serial No. _____
Elevation (Spirit Level)	<u>793</u> <u>EC</u>
Quadrangle	<u>Bears Run 7 1/2, St. Marys 15'</u>
County	<u>Tyler</u> District <u>Meads</u>
Engineer	<u>[Signature]</u>
Engineer's Registration No.	<u>1227</u>
File No.	Drawing No. _____
Date	<u>Nov. 1, 1979</u> Scale <u>1" = 500'</u>

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

WELL LOCATION MAP  
 FILE NO. 47-095-0743

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.

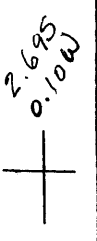
NOV 28 1979

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

3500 G. Broadwaters (Hebron) (085)

LATITUDE 3925

LONGITUDE 0018



7.5 OGIS topo location

7.5' loc	_____	15' loc	2.695
	_____	(calc.)	0.10W

<p>Company _____</p> <p>Farm _____</p> <p>Quad <u>Ben's Run 7.5' St. Marys 15'</u> EC</p> <p>County <u>Tyler</u></p> <p>District <u>Meade</u></p>	<p>WELL LOCATION MAP</p> <p>File No. <u>095-743</u></p>
---	---



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

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

Quadrangle Bens Run 7 1/2 min.

Permit No. 47-095-0743

Company Security Gas & Oil, Inc.  
Address 147 1/2 Second Street  
Farm Wize Morgan Acres 91  
Location (waters) MCKim Creek  
Well No. Morgan #1 Elev. 793  
District Meade County Tyler  
The surface of tract is owned in fee by Wize Morgan  
Address Wick, WV  
Mineral rights are owned by Mary Williams, & no Evans, Address Middlebourne, WV  
Drilling Commenced 12/1/79  
Drilling Completed 12/5/79  
Initial open flow 150,000 cu. ft. 2 bbls.  
Final production 25,000 cu. ft. per day 1/2 bbls.  
Well open 2 hrs. before test 1145 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			To surface  500 sacks
Cond. 13-10"			
9 5/8			
8 5/8		912'	
7			
5 1/2			
4 1/2		3370'	
3			
2 1/2		2660'	
Liners Used			

Attach copy of cementing record.

30,000 80/100 Frac Sand, 60,000 20/40 Frac Sand, 110 gal. parasperse  
30 gal. Cla Sta, 45 gal. 15N, 450 lbs. WG 12, 53,130 gal. H2O, 770 gal. SJ Ac

Coal was encountered at -0- Feet -0- Inches  
Fresh water -0- Feet Salt Water 1735 Feet  
Producing Sand Gordon Depth 2672-2684

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	Yellow	Soft	0	20		
Sandstone	Brown	Hard	20	45		
Shale	Gray	Soft	45	85		
Shale	Red	Soft	85	150		
Sandstone	Brown	Hard	150	237		
Sand/Shale	Brown	Hard	237	308		
Sandstone	Brown	Hard	308	360		
Shale	Gray	Soft	360	450		
Sandstone	Brown	Hard	450	515		
Sand/Shale	Gray	Hard	515	700		
Sandstone	Brown	Hard	700	762		
Shale	Gray	Soft	762	834		
Sand	Brown	Hard	834	866		
Shale	Red	Soft	866	1054		
Sand	White	Hard	1054	1176		
Shale	Gray	Soft	1176	1214		

(over)

\* Indicates Electric Log tops in the remarks section.

Bens Run 9

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water
Sand	White	Hard	1214	1276	
Shale	Gray	Soft	1276	1292	
Sand	White	Hard	1292	1332	
Shale	Gray	Soft	1332	1354	
Sand	White	Hard	1354	1450	
Sand/Shale	Gray	Soft	1450	1630	
Shale	Brown	Hard	1630	1764	
Sand	Gray	Hard	1764	1906	
Shale	Gray	Soft	1906	2158	
Sand/Shale	Gray	Hard	2158	2192	
Sand/Shale	Gray	Soft	2192	2468	
Sand/Shale	Gray	Hard	2468	2536	
Shale	Gray	Soft	2536	2672	
Sand/Shale	Gray	Hard	2672	2684	
Shale	Gray	Soft	2684	3262	
Sand/Shale	Gray	Hard	3262	3324	
Shale	Soft	Gray	3324	3387TD	

Date June 11 19 81

APPROVED Security Trust Oil Co. Owner

By Frank E. Pettil  
 Vice-President, Appalachian Pipe

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's  
Well No. Morgan #1

API Well No. 47 - 095 - 074  
State County Perm

WELL TYPE: Oil XX / Gas XX /  
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /)  
LOCATION: Elevation: 793' Watershed: Plum Run - McKim Creek  
District: Meade County: Tyler Quadrangle: Bens Run 7 1/2

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

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

OIL & GAS  
ROYALTY OWNER C. S. & H.O. Dillon  
Address St. Marys, WV 26170

COAL OPERATOR Lone  
Address \_\_\_\_\_

Acreage 91

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Elza Morgan  
Address Star Route, Hebron  
WV 26368

Name Lone

Acreage \_\_\_\_\_

Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_

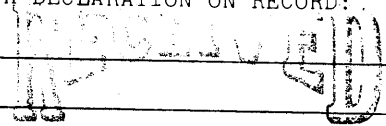
Address \_\_\_\_\_

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

COAL LESSEE WITH DECLARATION ON RECORD:

Name \_\_\_\_\_

Address \_\_\_\_\_



NOV - 9 1979

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease XX / other contract \_\_\_ / dated Aug. 1, 1979, to the undersigned well operator from C.S. & H.O. Dillon

[If said deed, lease, or other contract has been recorded:]

Recorded on Sept. 5, 1979, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Leed Book 220 at page \_\_\_\_\_. A permit is requested as follows:

PROPOSED WORK: Drill XX / 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.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

BLANKET BOND

Security Gas & Oil Inc.  
Well Operator

By Frank E. Pettit

Its Field Agent

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

DRILLING CONTRACTOR (IF KNOWN) Little James Drilling Co.  
Address P.O. Box P.  
Buck Lannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION, Gordon Series

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

Approximate water strata depths: Fresh, 250 feet; salt,      feet.

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

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	85/8		24.1b	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-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 ~~THIS PERMIT MUST BE POSTED AT THE WELL SITE~~ part of the work for which a permit is sought and is noted as such on the Form IV-2 filed 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 7-13-80.

*Robert L. ...*

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 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