

SC-40

Operations Name: EH - 122
Permit #: 2756



Division of Gas and Oil
Virginia Gas and Oil Inspector
P.O. Box 1416
Abingdon, Virginia 24210
703/676-5423

DRILLING REPORT

Pursuant to VR 480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well EH-122 in the Fulkerson District of the Scott County, Virginia on 23 day February month, 1996

Location

City/County: Scott District: Fulkerson
Surface Elevation: 1599.84' Elevation of Kelly Bushing: 1609.84' Quadrangle: Mendota
7.027 FT. S. of Latitude 36° 40' 00" and 8.010 FT. W. of Longitude 82° 17' 30"

or, State Plane Coordinates: N. 138241.18 and E 883014.55

Attach a final location plat as required by VR 480-05-22.1, § 1.36.

DRILLING DATA

Date Drilling Commenced: 10/17/95 Drilling Contractor: Union Drilling Rig #15
Date Drilling Completed: 1/06/96 Rig Type: X Rotary Cable Tool
Total Depth of Well: DTD = 4175'

GEOLOGICAL DATA

Fresh Water	<u>277'</u>	Feet <u>2" stream</u>	GPM	<u> </u>	Feet <u> </u>	GPM
	<u>667'</u>	Feet <u>Hole damp</u>	GPM	<u> </u>	Feet <u> </u>	GPM
	<u>867'</u>	Feet <u>1 1/2" stream</u>	GPM	<u> </u>	Feet <u> </u>	GPM
Salt Water	<u>None</u>	Feet <u> </u>	GPM:	<u> </u>	Feet <u> </u>	GPM
	<u> </u>	Feet <u> </u>	GPM:	<u> </u>	Feet <u> </u>	GPM
	<u> </u>	Feet <u> </u>	GPM:	<u> </u>	Feet <u> </u>	GPM

Coal Seams:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		
				YES	NO	MINED OUT
<u>None</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

OIL AND GAS SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Cuttings or samples are are not x available for examination by a member of the Virginia Division of Mineral Resources.

Cuttings or samples have have not x been furnished to the Virginia Division of Mineral Resources.

ELECTRIC LOGS AND SURVEYS:

List logs ran on wellbore: DEN, TEMP, DIL, GR, SN

Did log disclose vertical location of a coal seam? Yes No x

SURVEY RESULTS:

<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL</u>	<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL</u>
<u>518'</u>	<u>1 1/4 °</u>	<u> </u>	<u> </u>
<u>1014'</u>	<u>4 °</u>	<u> </u>	<u> </u>
<u>1500'</u>	<u>7 1/2 °</u>	<u> </u>	<u> </u>
<u>2000'</u>	<u>8 °</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

*Use additional sheets if necessary.

CASING AND TUBING

	<u>SIZE</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>	<u>CEMENT USED</u>	<u>DATE</u>	<u>PACKERS/BRIDGE PLUGS</u>		
					<u>IN CU/FT</u>	<u>CEMENTED</u>	<u>KIND</u>	<u>SIZE</u>	<u>SET AT</u>
<u>Conductor</u>	20"	0'	38'	38'	48 ft. ³	10/18/95			
	13 3/8"	0'	179'	179'	140 ft. ³	10/18/95			
<u>Water Protection</u>	9 5/8"	0'	580'	580'	236 ft. ³	10/20/95			
<u>Intermediate:</u>	7"	0'	2991'	2991'	295 ft. ³	10/25/95			
<u>Other Casing and Tubing left in Well</u>	4 1/2"	0'	4130'	4130'	185 ft. ³	1/06/96			

Liners

REMARKS: Shut down, fishing jobs, depths and dates, caving, etc. Well was cored from 3300' to 4025'; 4 1/2" casing was set and cemented after coring operations were completed.

Virginia Gas Company

Driller's/Geophysical Log

Well: **EH - 122**

Elevation; **1609.84' K.B.**

Field: **Early Grove Storage**

Permit No. **2756**

All depths measured from K.B.

Geological Age	Formation	Lithology	Top	Bottom	Thick.	Remarks
Mississippian		unconsolidated fill	0	10	10	
	Fido	Sand/shales	10	282	272	2" str. @ 277'
	Gasper	Limestones	282	1207	925	Hole damp @ 667'
	St. Genevieve	Limestones	1207	2343	1136	1 1/2" str. @ 867
	St. Louis	Limestones	2343	2784	441	
	U. Little Valley	Limestones/Dolomites	2784	3205	421	L C @ 1740'
	L. Little Valley	Dolo./Shales/Anhy.	3205	3686	481	
	MacCraday	Dolo./Shales/Anhy.	3686	3993	307	
	Price	Sand/siltstones	3993	4012	19	
		Sandstone	4012	4019	7	
		Siltstones/shales	4019	4162	143	
		LTD		4162		

LATITUDE 36° 40' 00"

NOTE !!!

ELEVATIONS ARE BASED ON BM T186
LOCATED APPROX. 150' SOUTH OF THE
INTERSECTION OF RT. 617 AND 50'
WEST OF RT. 58

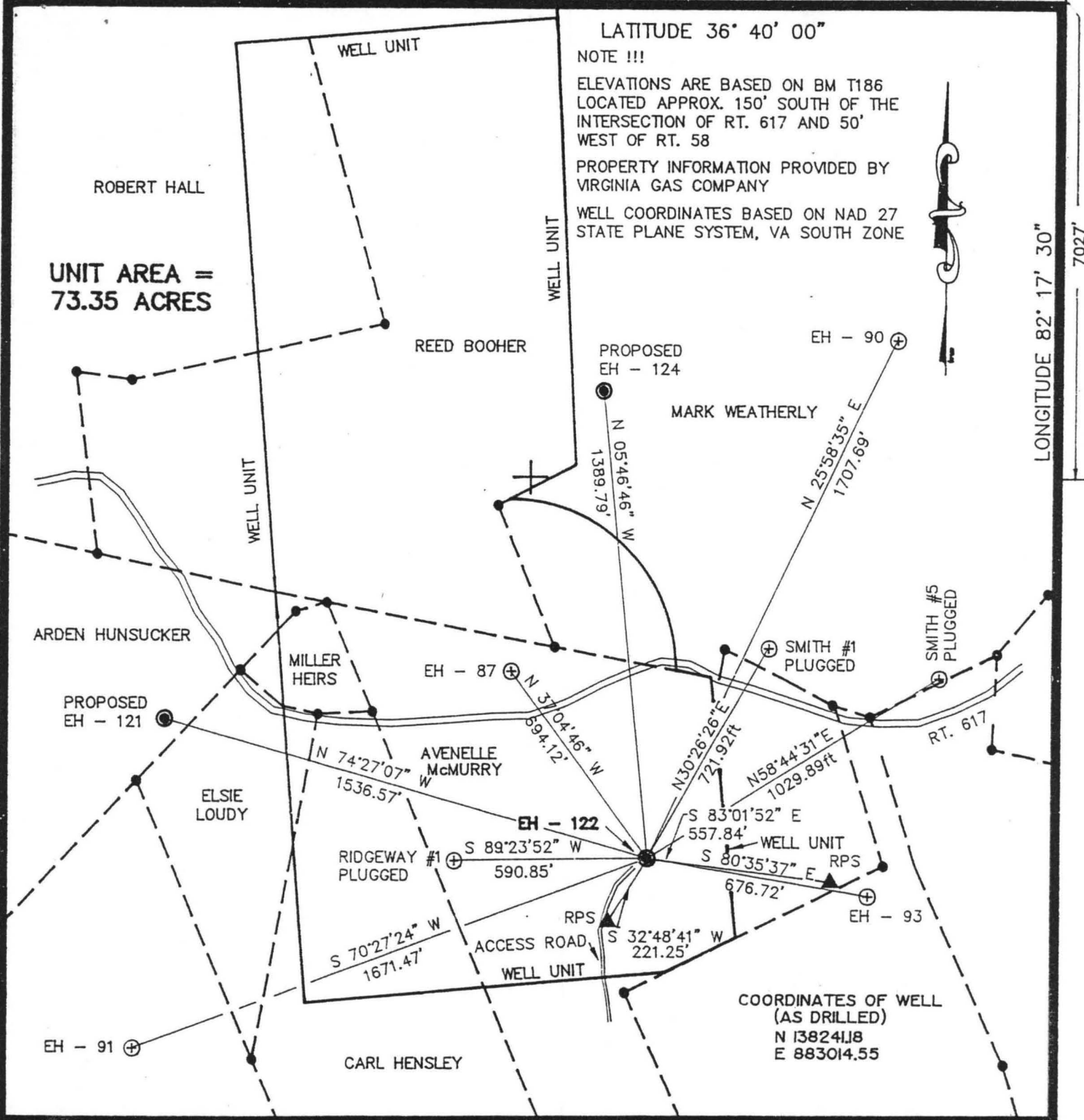
PROPERTY INFORMATION PROVIDED BY
VIRGINIA GAS COMPANY

WELL COORDINATES BASED ON NAD 27
STATE PLANE SYSTEM, VA SOUTH ZONE



LONGITUDE 82° 17' 30"

7027

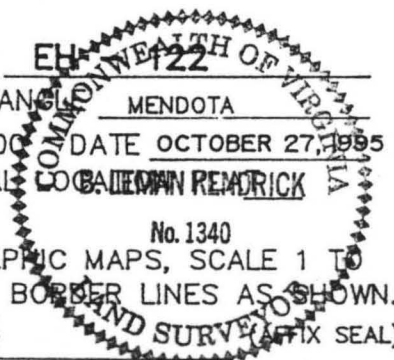


WELL LOCATION PLAT

COMPANY Virginia Gas Company WELL NAME AND NUMBER EH-122
 TRACT No. McMURRY ELEVATION 1599.84 (Trig) QUADRANGLE MENDOTA
 COUNTY SCOTT DISTRICT FULKERSON SCALE: 1" = 400' DATE OCTOBER 27, 1995
 THIS PLAT IS A NEW PLAT X ; AN UPDATED PLAT ; OR A FINAL
 PROPOSED TOTAL DEPTH OF WELL =

+ DENOTES THE LOCATION OF A WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 24,000, LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

B. Deane Rendall 10/27/95
 LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR



Division of Gas and Oil
Virginia Gas and Oil Inspector
P.O. Box 1416
Abingdon, Virginia 24210
703/676-5423

COMPLETION REPORT

WELL TYPE: Oil ___ Gas ___ Coalbed Methane ___ Storage x or Injection ___ well.

Date Well Completed: 1/22/96 Total Depth of Well: LTD = 4162'

Attach the Drilling Report, if not previously submitted. In addition submit any changes in casing or tubing that were approved after the Drilling Report, was submitted.

STIMULATION RECORD

Zone 1: Little Valley Formation Stimulated With: 500 Gal. 15X: 1,500,000 SCF Nitrogen

Perforated: 3334' To 3676' ; No. of Perforations: 152 Holes; Perforation Size: .39
Formation Broke Down at: 4047 Psi; Average Injection Rate: 81,000 scf/min;
ISIP 2775 Psi; 5 Min. SIP 2457 Psi; Average Injection Pressure: 3700 Psi
Date stimulated: 1/17/96.

Zone 2: _____ Formation Stimulated With: _____

Perforated: _____ To _____ No. of Perforations: _____ Perforation Size: _____
Formation Broke Down at: _____ PSIG Average Injection Rate: _____ BPM
ISIP _____ PSIG _____ MIN SIP _____ PSIG Average Injection Pressure: _____ PSIG
Date stimulated: _____.

FINAL PRODUCTION: _____ Natural x After Stimulation

	BOD	MCFD	HOUR TESTED	ROCK PRESSURE	HOURS TESTED
Zone (1)	<u>Little Valley</u>	<u>283 Mcfd</u>	<u>4 Hrs</u>	<u>1010 Psig</u>	<u>72 Hrs.</u>
Zone (2)	_____	_____	_____	_____	_____

Final Production if Gas Zones are Comingled _____ MCFD _____ Hours Tested _____ PSIG _____ Hours Tested

*Use additional sheets with this format if more than three (3) zones were stimulated.

Permittee: Virginia Gas Company (Company)

By: *C. W. Mueller* (Signature)