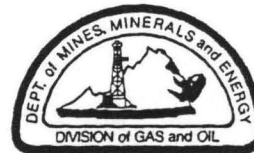
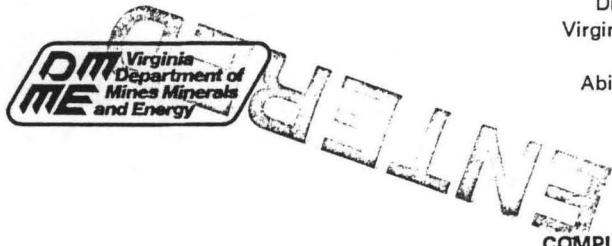


Bu-434

Department of Mines, Minerals and Energy
Division of Gas and Oil

Operations Name: CBM-PGP-64
Permit #: _____

Department of Mines, Minerals, and Energy
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 or Injection well.

Date Well Completed: October 22, 1990 Total Depth of Well: 2170'

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: No records kept. 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: _____

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: _____

Zone 3: _____ 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 After Stimulation
BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED

Zone (1) _____

Zone (2) _____

Zone (3) _____

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

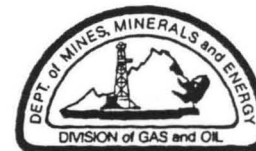
* Use additional sheets with this format, if more than three (3) zones were stimulated.

Permittee: Pocahontas Gas Partnership (Company)

By: [Signature] (Signature)



Department of Mines, Minerals, and Energy
 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, s 1.36, the undersigned Permittee submits this report on Well CBM-PGP-64 in the Hurricane District of the Buchanan City/County, Virginia on this _____ day, _____ month, 19 91.

LOCATION

City/County: Buchanan District: Hurricane
 Surface Elevation: 2136.87' Elevation of Kelly Bushing: _____ Quadrangle: Keen Mountain
6287' Ft. S. of Latitude 37 12' 30" and 6758' Ft. W. of Longitude 81 57' 30"
 or, State Plane Coordinates: Zone 5 N 330728.22' E 986310.62'

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

DRILLING DATA

Date Drilling Commenced: October 11, 1990 Drilling Contractor: Noah Horn Well Drilling
 Date Drilling Completed: October 17, 1990 Rig Type: x Rotary Cable Tool
 Total Depth of Well: 2170'

GEOLOGICAL DATA

| | | | | | |
|-----------------|------------|------------|-----------|------------|-----------|
| Fresh Water at: | <u>N/R</u> | Feet _____ | GPM _____ | Feet _____ | GPM _____ |
| | | Feet _____ | GPM _____ | Feet _____ | GPM _____ |
| | | Feet _____ | GPM _____ | Feet _____ | GPM _____ |
| Salt Water at: | | Feet _____ | GPM _____ | Feet _____ | GPM _____ |
| | | Feet _____ | GPM _____ | Feet _____ | GPM _____ |
| | | Feet _____ | GPM _____ | Feet _____ | GPM _____ |

COAL SEAMS:

| <u>NAME</u> | <u>TOP</u> | <u>BOTTOM</u> | <u>THICKNESS</u> | <u>MINING IN AREA</u> | | <u>MINED OUT</u> |
|----------------------------------|------------|---------------|------------------|-----------------------|-----------|------------------|
| | | | | <u>YES</u> | <u>NO</u> | |
| <u>See DGO-GO-14, Appendix A</u> | | | | | | |
| _____ | | | | | | |
| _____ | | | | | | |
| _____ | | | | | | |

GAS AND OIL SHOWS:

| <u>FORMATION</u> | <u>TOP</u> | <u>BOTTOM</u> | <u>THICKNESS</u> | <u>IPF (MCFD/BOPD)</u> | <u>PRESSURE</u> | <u>HOURS TESTED</u> |
|------------------------------|------------|---------------|------------------|------------------------|-----------------|---------------------|
| <u>Pocahontas No. 3 Seam</u> | | | | | | |
| _____ | | | | | | |
| _____ | | | | | | |

Department of Mines, Minerals and Energy
 Division of Gas and Oil

Operations Name: CBM-PGP-64
 Permit #: _____

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: Deviation, Gamma, Caliper

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

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> |
|------------------------|--|------------------------|--|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

* Use additional sheets if necessary.

CASING AND TUBING

| | <u>SIZE</u> | <u>TOP</u> | <u>BOTTOM</u> | <u>CEMENT USED LENGTH</u> | <u>DATE IN CU/FT</u> | <u>PACKERS OR BRIDGE PLUGS</u> | | | |
|---|-------------|------------|---------------|---------------------------|----------------------|--------------------------------|-------------|-------------|---------------|
| | | | | | | <u>CEMENTED</u> | <u>KIND</u> | <u>SIZE</u> | <u>SET AT</u> |
| <u>Conductor</u> | 16" | 0 | 20'-0 | 20'-0 | Cemented to Surface | | | | |
| <u>Surface</u> | 13 3/8" | 0 | 749.48' | 749.48' | Cemented to Surface | | | | |
| <u>Water Protection</u> | 13 3/8" | 0 | 749.48' | 749.48' | Cemented to Surface | | | | |
| <u>Coal Protection</u> | 13 3/8" | 0 | 749.48' | 749.48' | Cemented to Surface | | | | |
| <u>Other Casing and Tubing Left In Well</u> | 5 1/2" | 0 | 2066.53' | 2066.53' | - | | | | |

Liners

REMARKS: Shut down, fishing jobs, depths and dates, caving, lost circulation, etc.

Department of Mines, Minerals and Energy
Division of Gas and Oil

Operations Name: CBM-PGP-64
Permit #: _____

DRILLER'S LOG

Compiled by No drillers log kept.

| <u>GEOLOGIC</u> <u>AGE</u> | <u>FORMATION</u> | <u>GENERAL</u> <u>LITHOLOGY</u> | <u>COLOR</u> | <u>DEPTH</u> | | <u>THICKNESS</u> | <u>REMARKS</u> |
|-------------------------------|------------------|------------------------------------|--------------|--------------|---------------|------------------|----------------|
| | | | | <u>TOP</u> | <u>BOTTOM</u> | | |

Permittee: Pogahontas Gas Partnership (Company)

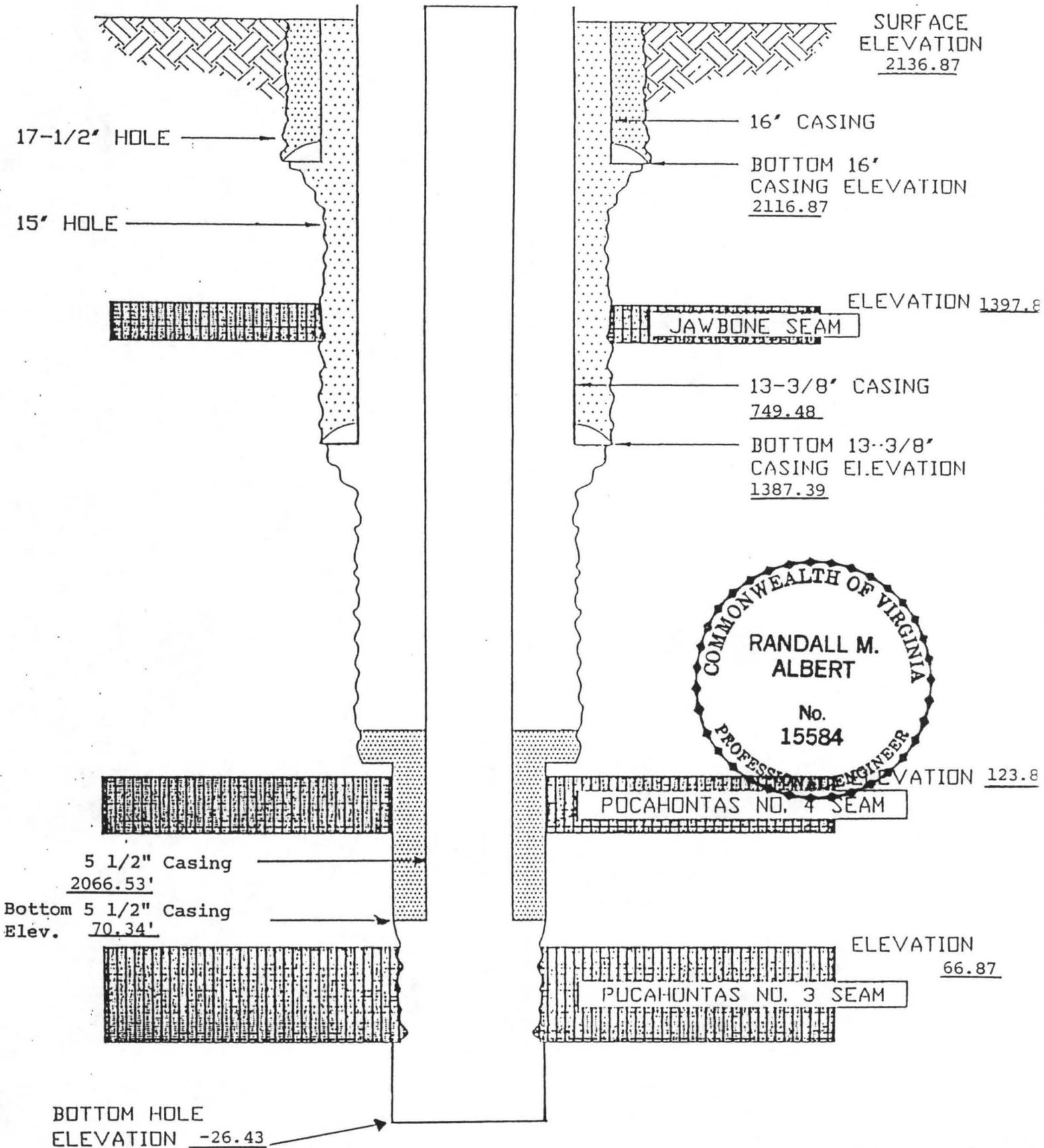
By: *L. Dall H. Albert* (Signature)

Attachment DGO-GO-14, Appendix A

CBM-PGP-64

Surface Elevation: 2136.87

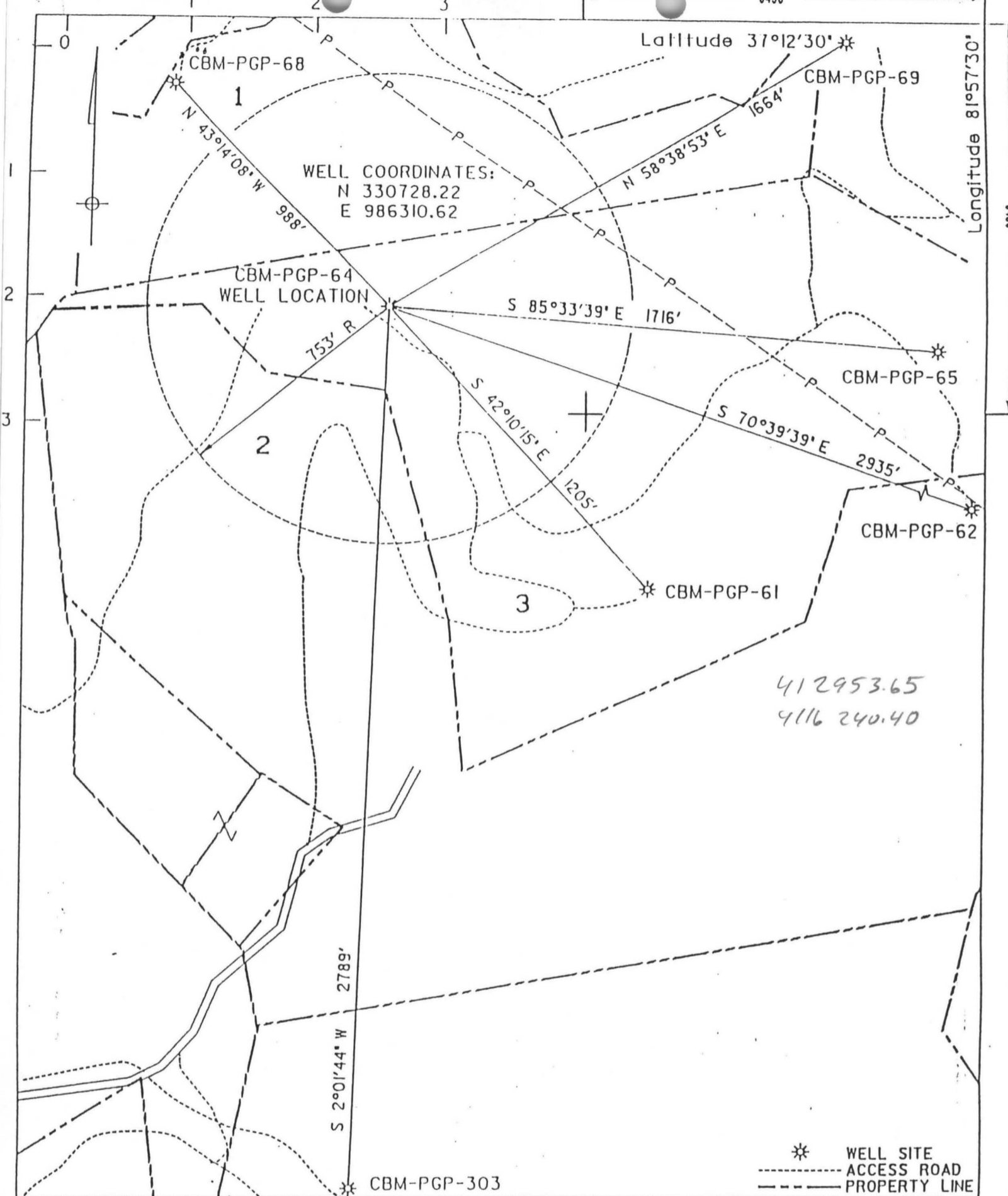
| <u>Seam</u> | <u>Thickness</u> | <u>Depth To Top</u> | <u>BOC Elevation</u> | <u>Mining In Area</u> | | <u>Mine Name</u> | <u>Seam Name</u> |
|-------------|------------------|-------------------------|--------------------------|---------------------------|-----------|-------------------------|----------------------|
| | | | | <u>Yes</u> | <u>No</u> | | |
| RA | 2.50 | 558.00 | 1576.37 | | x | Red Ash | |
| J3 | 2.00 | 702.00 | 1431.87 | | x | Jawbone | (3) |
| JB | 3.00 | 742.00 | 1391.87 | | x | Jawbone | |
| CS | 1.00 | 945.00 | 1190.87 | | x | Castle | |
| US | 2.00 | 1131.00 | 1001.87 | | x | Upper Seaboard | |
| GC | 3.00 | 1202.00 | 931.87 | | x | Greasy Creek | |
| SE | 2.00 | 1232.50 | 902.37 | | x | Sewell | |
| LS | 2.00 | 1290.00 | 844.87 | | x | Lower Seaboard | |
| UH | 0.00 | 1375.00 | 761.87 | | x | Upper Horsepen | |
| MH | 2.00 | 1397.00 | 737.87 | | x | Middle Horsepen | |
| C | 3.00 | 1475.00 | 658.87 | | x | Castle | |
| P11 | 0.00 | 1485.00 | 651.87 | | x | Pocahontas (11) | |
| P10 | 2.00 | 1512.00 | 622.87 | | x | Pocahontas (10) | |
| LH | 2.00 | 1567.00 | 567.87 | | x | Lower Horsepen | |
| P9 | 2.00 | 1619.50 | 515.37 | | x | Pocahontas (9) | |
| P9L | 2.00 | 1636.00 | 498.87 | | x | Pocahontas (9) Lower | |
| P5 | 0.00 | 1997.00 | 139.87 | | x | Pocahontas (5) | |
| P4 | 2.00 | 2015.00 | 119.87 | | x | Pocahontas (4) | |
| P3 | 5.00 | 2075.00 | 56.87 | | x | Pocahontas (3) | |



POCAHONTAS GAS PARTNERSHIP

WELL BOREHOLE
AND
CASING SIZE SCHEMATIC

BU-484 API 45-027-21821



COMPANY Poahontas Gas Partnership
 ADDRESS P.O. Box 200, Mavisdale, VA 24627
 WELL NAME CBM-PGP-64
 FARM _____ TRACT MacRae-II
 LEASE NO. _____ ELEVATION 2136.87'
 ACRES 6979 QUADRANGLE Keen Mtn.
 COUNTY Buchanan DISTRICT Hurricane
 REG. ENGINEER VA REG. NO. 15584
 CERT. LAND SURVEYOR _____ CERT. NO. _____
 FILE NO. _____ DRAWING NO. _____
 DATE _____ SCALE 1" = 400'

This plat is X new _____ updated.
 This plat _____ is X is not based on a mine
 coordinate system established for the areas
 of the well location.

WELL LOCATION MAP
 WELL NO. CBM-PGP-64

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

Revised
 CERTIFICATION OF WELL PLAT
 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 the Virginia Gas
 and Oil Board and Department of Mines,
 Minerals and Energy.
 No. 15584
 Registered Engineer of Professional Engineer
 Land Surveyor In Charge