



Commonwealth of Virginia
 Department of Mines, Minerals, and Energy
 Division of Gas and Oil
 P.O. Box 1416; Abingdon, VA 24212
 Telephone: (276) 676-5423

Tracking Number: 191
 Company: Equitable Production Company
 File Number: BU-3001
 Operations Name: V-536792 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 10/30/2006 Drilling Contractor: Gasco
 Date drilling completed: 11/7/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 6,427
 Log Total Depth (feet): 6,458 Formation At Total Depth: Olentangy

2. Final Location Plat (as required by 4 VAC25-150-360.C.)

Permitted State Plane X: 942,058 Final Plat State Plane X: 942,062
 Permitted State Plane Y: 283,403 Final Plat State Plane Y: 283,407

Plat Previously Submitted Or...

List of Attached Items:

| Description | FileName |
|-------------------|-------------------------|
| final plat 536792 | V-536792 final plat.tif |

3. Geological Data

Fresh Water At:

| Depth (in feet) | Rate | Unit of Measure |
|-----------------|------|-----------------|
| 1,550 | wet | INCH |
| 480 | 3/4 | INCH |

Salt Water At:

| Depth (in feet) | Rate | Unit of Measure |
|-----------------|------|-----------------|
|-----------------|------|-----------------|

Coal Seams

List of Attached Items:

| Description | FileName |
|-------------------|----------------|
| coal seams 536792 | Coal Seams.doc |

Gas and Oil Shows

List of Attached Items:

| Description | FileName |
|------------------|-----------------------|
| gas shows 536792 | Gas and Oil Shows.doc |

4. Electric Logs (As required by 4VAC25-150-280.A.)

List all logs run: GR/Temp/Induction/Density/Neutron

Did logs disclose vertical locations of a coal seam? Yes No

5. Survey Results (As required by 4VAC25-150-280.B.2)

List of Attached Items:

| Description | FileName |
|----------------|--------------------|
| surveys 536792 | Survey Results.doc |

6. Casing and Tubing Program

List of Attached Items:

| Description | FileName |
|-------------|-----------------|
| csg 536792 | Casing Data.doc |
| tbg 536792 | Tubing Size.doc |

7. Remarks

Use this space to note any conditions or occurrences, such as lost circulation, fishing jobs, junk left in hole, sidetracks, squeeze jobs, etc., not shown above. Include data and depth of condition/occurrence.

8. Drillers Log

Compiled By: _____

List of Attached Items:

| Description | FileName |
|---------------------|------------------|
| drillers log 536792 | Drillers Log.doc |

9. Comments

The plat does not have the 10' certification

10. Signature

Permittee: Equitable Production Company Date: 4/2/2007 (Company)

Signed By: L. Todd Tetrick Title: Director of Drilling (Signature)

INTERNAL USE ONLY

Submit Date: 4/2/2007

Status: Inspr Approved

Date: 4/9/2007

Final PDF Date: 4/9/2007

LATITUDE 37°05' 00"

373'

**TOTAL UNIT AREA
= 112.69 ACRES**

CCC
COORDINATES OF
WELL V-536792
S 16,023.12
E 75,004.33

LEASE NO. 241490L/T-570
W.J. Buskell
1075 ACRES
HEARTWOOD FORESTLAND FUND IV, L.P.-Surface
DICKENSON-RUSSELL COAL CO., LLC /
ALPHA LAND & RESERVES, LLC / ACIN, LLC /
WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC - oil, gas & cbm
Gas 112.69 AC. 100%



LONGITUDE 82° 07' 30"

9874'



N 83° 49' 19" W
+/-2570'

V-536792

PP-2
(Spike/Nail)

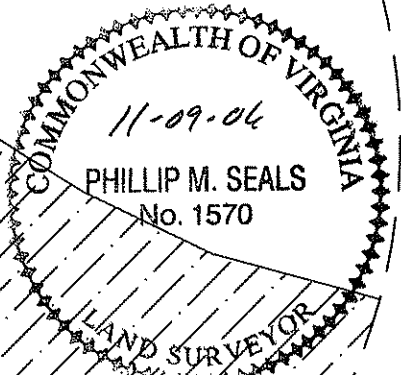
N 21° 56' 36" E
265.08'

S 89° 48' 24" W
154.37'

PP-1
(Spike/Nail)

V-503627

S 85° 09' 12" W
+/-4239'



FINAL PLAT

The undersigned hereby certifies that the final location is within ten (10') feet of the location shown on the well plat dated 10-25-05.

NOTE:

WELL COORDINATES ARE BASED ON CLINCHFIELD COAL COMPANY'S MINE COORDINATE SYSTEM.
STATE PLANE WELL COORDINATES & ELEVATIONS WERE DETERMINED BY GPS & TRIGONOMETRIC METHODS BASED ON BENCH MARK P-424.
PROPERTY INFORMATION PROVIDED BY EQUITABLE PRODUCTION COMPANY.

LAT. & LONG.
(NAD 27 DECIMAL DEGREES)
OF WELL V-536792
37.055939
82.126279

WELL LOCATION PLAT

COMPANY EQUITABLE PRODUCTION CO. WELL NAME OR NUMBER V-536792

TRACT NO. 241490L/ T-570 QUADRANGLE Duty

DISTRICT Hurricane

WELL COORDINATES (VIRGINIA STATE PLANE) N 283,407.36 E 942,061.69

ELEVATION 1,911.82 METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.

COUNTY Buchanan SCALE: 1" = 400' DATE 11-9-06

THIS PLAT IS A NEW PLAT ; AN UPDATED PLAT ; OR A FINAL LOCATION PLAT

⊕ 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.

LICENSED LAND SURVEYOR

(AFFIX SEAL)

Coal Seams & Open Mines

| <u>Type</u> | <u>From</u> |
|-------------|---|
| Coal | 160'-61',250'-51',385'-86',415'- 16',635'-36' |
| Coal | 710'-11',770'-71',900'-01',965'- 66',1170'-71' |
| Coal | 1660'-62' |

| |
|--------------------------|
| Gas and Oil Shows |
|--------------------------|

Gas Tests

| <u>Depth</u> | <u>Remarks</u> |
|--------------|----------------|
| 2,748 | No Show |
| 4,567 | TSTM |
| 5,093 | TSTM |

**Survey
Results**

| <u>Depth</u> | <u>Direction/Distance/Degrees From True Vertical</u> |
|--------------|--|
| 197 | 1/4 |
| 384 | 1/4 |
| 564 | 1/4 |
| 753 | 1/4 |
| 943 | 1/4 |
| 1,132 | 1/4 |
| 1,321 | 1/4 |
| 1,511 | 1/4 |

| |
|------------------------|
| Casing Data |
|------------------------|

| Casing Outside Diameter | Casing Interval | Hole Size | Cement used in Cu. ft. | Date Cemented Cmtd To Surface | Cement Baskets |
|-------------------------------|--------------------|-----------|------------------------------|--|-------------------|
| 16 | 35 | 17 1/2 | | | |
| 11 3/4 | 315 | 15 | 224.20 | 10/30/2006 | 132' & 139' |
| 7 | 1512 | 8 7/8 | 421.50 | 11/01/2006 | 442' & 452' |
| 4 1/2 | 6386 | 6 1/2 | 632.15 | 11/07/2006 | |

Tubing
Size
2 3/8

Footage
6,176.53

Drillers
Log

| <u>Formation Name</u> | <u>Depth Top</u> | <u>Depth Bottom</u> | <u>Formation Thickness</u> |
|------------------------------|-------------------------|----------------------------|-----------------------------------|
| Base LEE | 1,414.00 | 0.00 | 0.00 |
| RVCF | 2,452.00 | 2,554.00 | 102.00 |
| AVIS | 2,622.00 | 2,690.00 | 68.00 |
| MXTN | 3,305.00 | 3,477.00 | 172.00 |
| LLIM | 3,705.00 | 3,755.00 | 50.00 |
| BGLM | 3,755.00 | 4,600.00 | 845.00 |
| WEIR | 4,600.00 | 4,872.00 | 272.00 |
| WEIR Sh | 4,872.00 | 5,162.00 | 290.00 |
| SNBY | 5,162.00 | 5,218.00 | 56.00 |
| BEREA | 5,218.00 | 5,224.00 | 6.00 |
| CLEV | 5,224.00 | 0.00 | 0.00 |
| LHRN | 6,117.00 | 6,350.00 | 233.00 |
| OLNG | 6,350.00 | 0.00 | 0.00 |