



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: 159
 Company: Equitable Production Company
 File Number: BU-2999
 Operations Name: V-536787 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 3/16/2006 Drilling Contractor: GASCO
 Date drilling completed: 3/25/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 6,619
 Log Total Depth (feet): 6,620 Formation At Total Depth: LOWER HURON

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

Permitted State Plane X: 941,549 Final Plat State Plane X: 941,551
 Permitted State Plane Y: 280,009 Final Plat State Plane Y: 280,009

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
536787	536787 WELL LOCATION PLAT(FINAL).pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
197	2-3	INCH

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
536787	536787 COAL SEAMS.jpg

Gas and Oil Shows

List of Attached Items:

Description	FileName
536787	536787 GAS AND OIL SHOWS.jpg

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

List all logs run: GR/DENSITY/TEMP/INDUCTION/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
536787	536787 SURVEY RESULTS.jpg

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
536787	536787 CASING DATA.jpg

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.

CEMENT BASKETS: 170 AND 396

8. Drillers Log

Compiled By: TODD TETRICK

List of Attached Items:

Description	FileName
536787	536787 DRILLERS LOG.pdf

9. Comments

10. Signature

Permitee: Equitable Production Company Date: 1/25/2007 (Company)

Signed By: TODD TETRICK Title: MANAGER (Signature)

INTERNAL USE ONLY

Submit Date: 1/25/2007

Status: Inspr Approved

Date: 2/23/2007

Final PDF Date: 2/26/2007

LATITUDE 37°05'00"

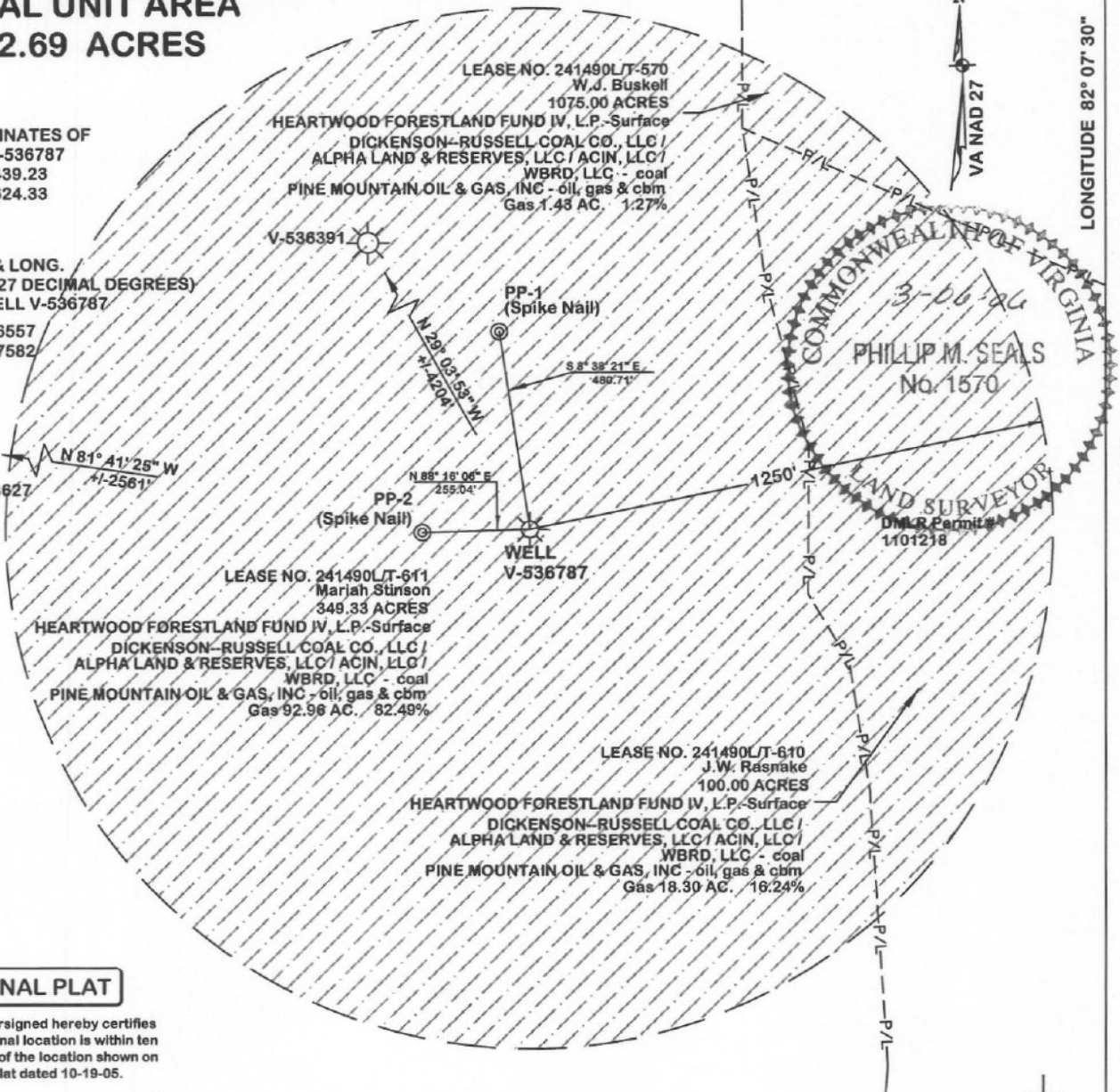
754'

**TOTAL UNIT AREA
= 112.69 ACRES**

CCC
COORDINATES OF
WELL V-536787
S 19439.23
E 74624.33

LAT. & LONG.
(NAD 27 DECIMAL DEGREES)
OF WELL V-536787
37.046557
82.127582

VAD-703627
N 81° 41' 25" W
41-2561'



FINAL PLAT

The undersigned hereby certifies that the final location is within ten (10') feet of the location shown on the well plat dated 10-19-05.

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.

Note: Proposed V-536787 is located on Clinchfield Coal Company's Black Tunder Surface Mine, DMLR Permit# 1101218

WELL LOCATION PLAT

COMPANY EQUITABLE PRODUCTION CO. WELL NAME OR NUMBER V-536787
TRACT NO. 241490L/ T-611 QUADRANGLE Duty
DISTRICT Hurricane
WELL COORDINATES (VIRGINIA STATE PLANE) N 280,008.55 E 941,550.54
ELEVATION 1972.06 METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.
COUNTY Buchanan SCALE: 1" = 400' DATE 3-6-06
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.

Form DGO-GO-7
Rev. 1-98
890.43

Phillip M. Seals

LICENSED LAND SURVEYOR

(AFFIX SEAL)

Coal Seams & Open Mines

<u>Type</u>	<u>From</u>
Coal	230'-31',245'-46',410'-11',475'-76',500'-01',640'-41',
Coal	660'-61',725'-26',915'-16',979'-80',1050'-51',
Coal	1070'-71',1675'-77'

Gas and Oil Shows**Gas Tests**

<u>Depth</u>	<u>Remarks</u>
2,296	No Show
2,611	No Show
3,495	No Show
4,620	No Show
5,114	No Show
5,237	TSTM

Survey Results

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
197	1/4
382	1/4
571	1/4
760	1/4
948	1/4
1,135	1/4
1,324	1/4
1,512	1/4

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
20	0- 44	21 1/2				
16	0- 132	16 1/2				
12 3/4	0- 166	15				
9 5/8	0- 310	12 1/4	501.50	Y	03/07/2006	170
7	0- 1512	8 7/8	395.20	Y	03/08/2006	396
4 1/2	6565.9	6 1/4	632.15	Y	03/17/2006	
Tubing Size		Footage				
2 3/8		6,305.15				

Drillers Log

Permit: 7038

Well: V536787

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Base LEE	1,920.00	0.00	0.00
BLUESTONE	2,030.00	2,150.00	120.00
RVCF	2,456.00	2,564.00	108.00
AVIS	2,654.00	2,710.00	56.00
MXTN	3,312.00	3,484.00	172.00
LLIM	3,722.00	3,788.00	66.00
BGLM	3,788.00	4,612.00	824.00
WEIR	4,612.00	4,904.00	292.00
WEIR Sh	4,904.00	5,215.00	311.00
SNBY	5,215.00	5,256.00	41.00
BEREA	5,256.00	0.00	0.00
CLEV	5,256.00	0.00	0.00
LHRN	6,188.00	6,440.00	252.00
OLNG	6,440.00	0.00	0.00

Total Depth of Well: 6,619.00

Permitee: EQUITABLE PRODUCTION COMPANY (Company)

By:  (Signature)

10/2/06