



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: 192
 Company: Equitable Production Company
 File Number: BU-3003
 Operations Name: V-536789 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 7/28/2006 Drilling Contractor: Gasco
 Date drilling completed: 8/9/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 7,059
 Log Total Depth (feet): 7,061 Formation At Total Depth Rhinestreet Shale

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

Permitted State Plane X 936,665 Final Plat State Plane X: 936,667
 Permitted State Plane Y: 278,363 Final Plat State Plane Y: 278,366

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
final plat	V-536789 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
105	Wet	INCH
453	wet	INCH
646	wet	INCH

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
coal seams 536789	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
gas show 536789	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 536789	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
csg 536789	Casing Data.doc
tbg 536789	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
drillersl log 536789	Drillers Log.doc

9. Comments

The plat does not have the 10' certification.

10. Signature

Permitee: 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

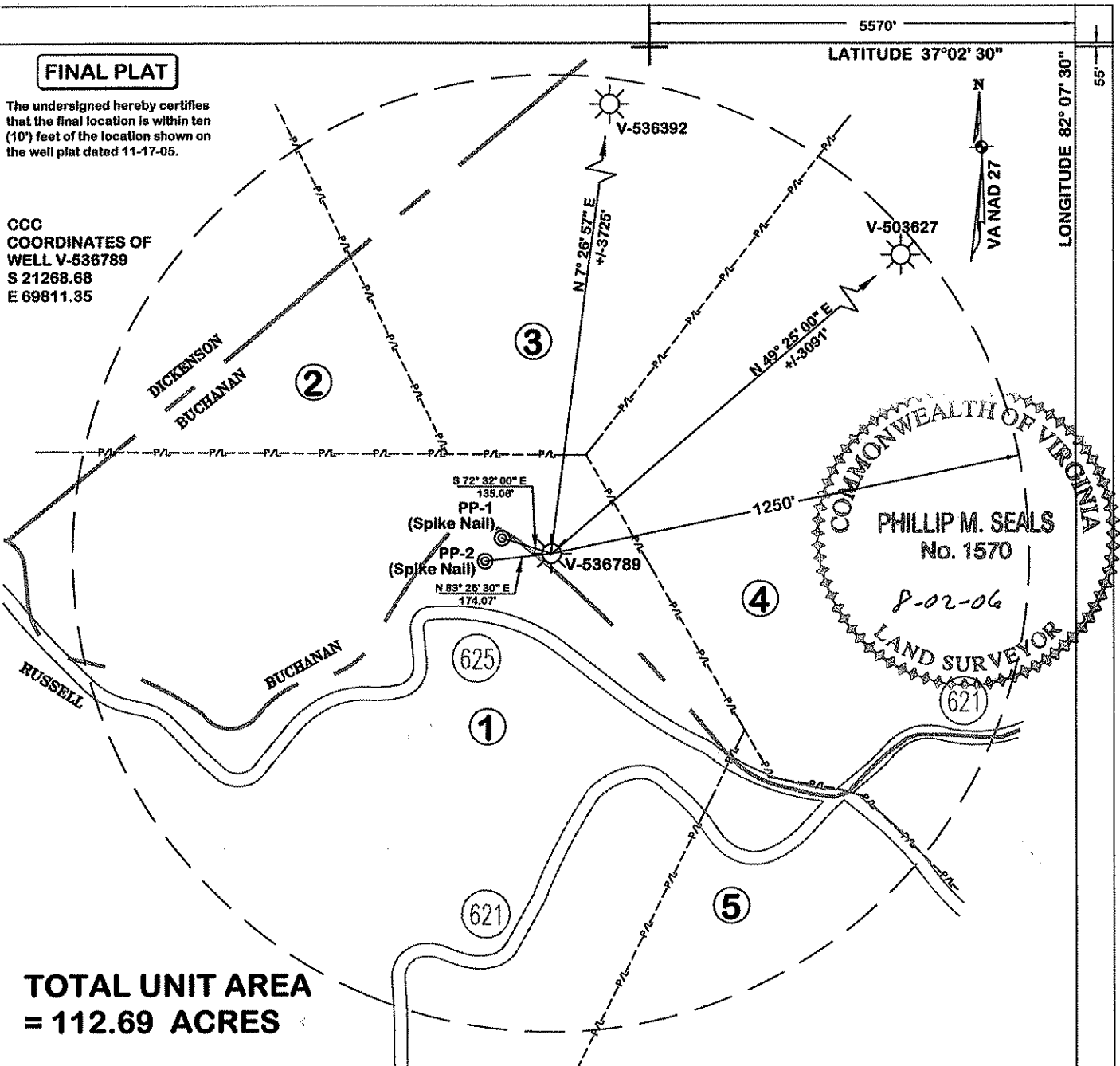
Date: 4/9/2007

Final PDF Date: 4/9/2007

FINAL PLAT

The undersigned hereby certifies that the final location is within ten (10') feet of the location shown on the well plat dated 11-17-05.

CCC
COORDINATES OF
WELL V-536789
S 21268.68
E 69811.35



**TOTAL UNIT AREA
= 112.69 ACRES**

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-536789
37.041532
82.144084

WELL LOCATION PLAT

COMPANY EQUITABLE PRODUCTION CO. WELL NAME OR NUMBER V-536789
 TRACT NO. 241490L/ T-483 QUADRANGLE Duty
 DISTRICT Hurricane
 WELL COORDINATES (VIRGINIA STATE PLANE) N 278366.00 E 936667.41
 ELEVATION 2572.02 METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.
 COUNTY Buchanan SCALE: 1" = 400' DATE 8-2-06
 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.

Phillip M. Seals

LICENSED LAND SURVEYOR

(AFFIX SEAL)

EXHIBIT PL-1

Property Ownership Information for EPCO Well # V-536789

①

LEASE NO. 241490L/T-483
ROBERT RASNAKE
519.46
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 46.20AC. 41.00%

②

LEASE NO. 241490L/T-348
JAMES RASNAKE
215.00 ACRES
DICKENSON-RUSSELL COAL CO., LLC /
ALPHA LAND & RESERVES, LLC / ACIN, LLC /
WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC - oil, gas & cbm
GAS 10.13 AC. 8.99%

③

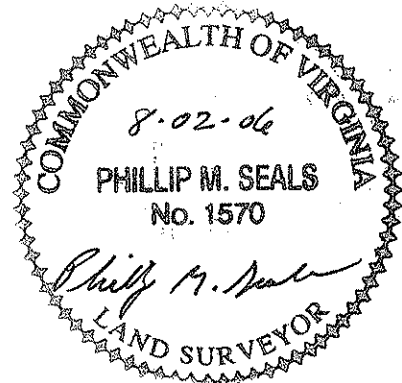
LEASE NO. 241490L/T-621
G.A. WARDER
72.00 ACRES
DICKENSON-RUSSELL COAL CO., LLC /
ALPHA LAND & RESERVES, LLC / ACIN, LLC /
WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC - oil, gas & cbm
Gas 19.91AC. 17.67%

④

LEASE NO. 241490L/T-519
V.R. SUTHERLAND
82.00 ACRES
DICKENSON-RUSSELL COAL CO., LLC /
ALPHA LAND & RESERVES, LLC / ACIN, LLC /
WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC - oil, gas & cbm
GAS 29.41AC. 26.10%

⑤

LEASE NO. 241490L/T-487
V.R. SUTHERLAND
21.00 ACRES
DICKENSON-RUSSELL COAL CO., LLC /
ALPHA LAND & RESERVES, LLC / ACIN, LLC /
WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC - oil, gas & cbm
GAS 7.04 AC. 6.24%



Coal Seams & Open Mines

<u>Type</u>	<u>From</u>
Coal	17'-18',120'-21',215'-16',460'-61',890'-91'
Coal	1140'-41',1275'-76',1360'-61',1480'-81',1840'-41'
Coal	1950'-51',2000'-01',2160'-62',2175'-76',2240'-45'
Open Mine	348'-53',540'-50'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
3,542	No Show
4,227	No Show
5,042	TSTM
5,085	2850 mcf
5,638	737 mcf

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
200	1/4
545	1/4
733	1/4
922	1/4
1,112	1/4
1,301	1/4
1,491	1/4
1,680	1/4
1,868	1/4
2,056	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Date Cemented Cmtd To Surface	Cement Baskets
20	21	21 1/2			
13 3/8	425	16 1/4	488.52	07/29/2006	289 & 299
9 5/8	622	12 1/4	354.00	07/30/2006	492 & 536
7	2039	8 7/8	439.00	07/31/2006	669
4 1/2	7037	6 3/8	419.64	08/08/2006	

Tubing
Size
2 3/8

Footage
6,639.90

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Base LEE	1,924.00	2,922.00	998.00
RVCF	2,922.00	3,095.00	173.00
AVIS	3,095.00	3,598.00	503.00
MXTN	3,598.00	4,148.00	550.00
LLIM	4,148.00	4,207.00	59.00
BGLM	4,207.00	5,026.00	819.00
WEIR	5,026.00	5,254.00	228.00
WEIR Sh	5,254.00	5,636.00	382.00
SNBY	5,636.00	5,680.00	44.00
BEREA	5,680.00	5,688.00	8.00
CLEV	5,688.00	5,994.00	306.00
OLNG	5,994.00	6,584.00	590.00
LHRN	6,584.00	6,923.00	339.00
RHST	6,923.00	7,059.00	136.00