



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: 269
 Company: Equitable Production Company
 File Number: RU-0362
 Operations Name: V-536788 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 9/12/2006 Drilling Contractor: Gasco
 Date drilling completed: 9/19/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 5,915
 Log Total Depth (feet): 5,920 Formation At Total Depth Cleveland Shale

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

Permitted State Plane X 940,166 Final Plat State Plane X: 940,164
 Permitted State Plane Y: 277,842 Final Plat State Plane Y: 277,834

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
final plat 536788	V-536788 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
200	damp	
430	damp	

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
coal seams 536788	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
gas show 536788	Gas and Oil Shows.doc

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
surveys 536788	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
csg 536788	Casing Data.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 536788	Drillers Log.doc

9. Comments

10. Signature

Permitee: Equitable Production Company Date: 6/2/2007 (Company)

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

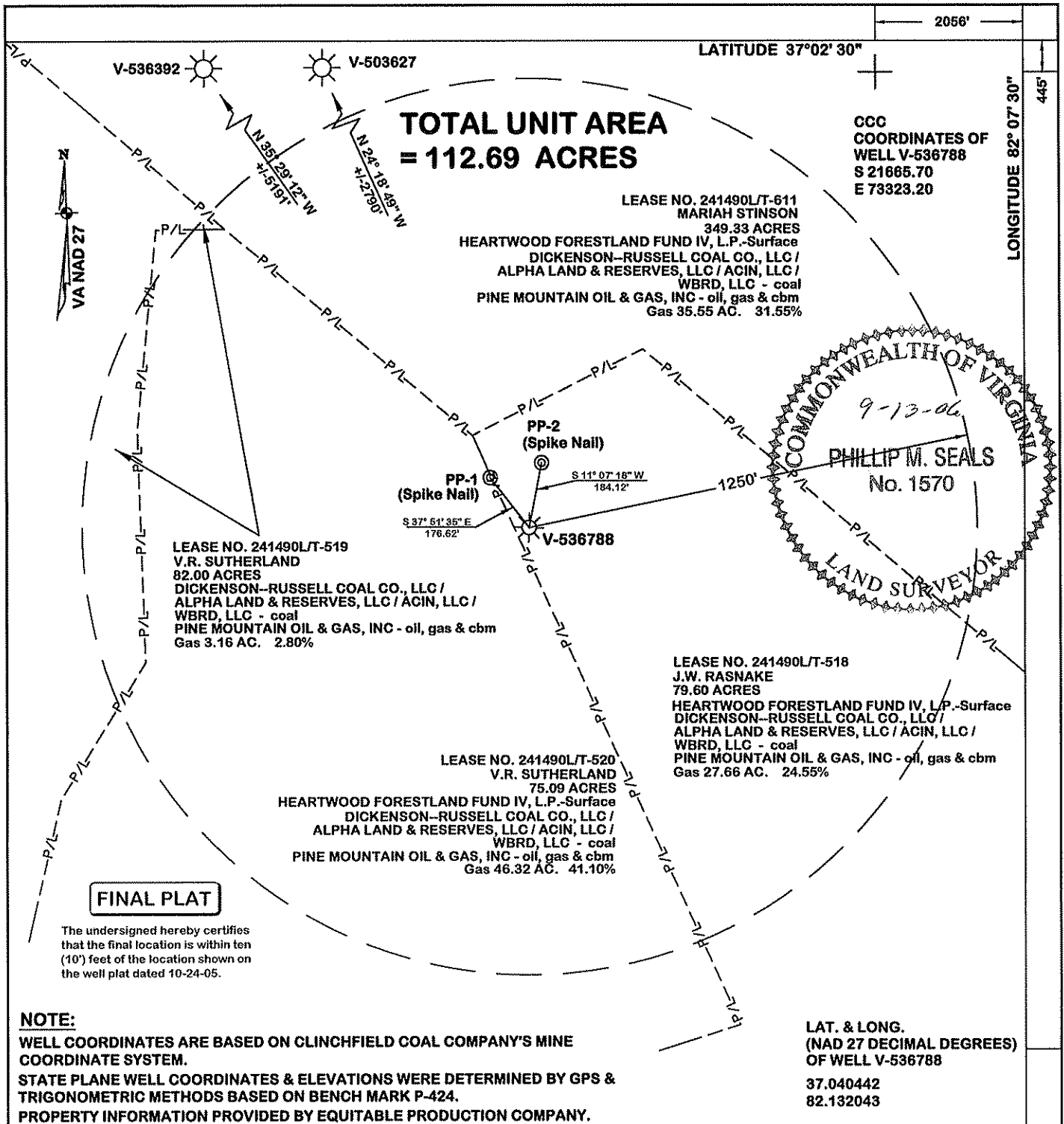
INTERNAL USE ONLY

Submit Date: 6/2/2007

Status: Inspr Approved

Date: 6/4/2007

Final PDF Date: 6/6/2007



FINAL PLAT

The undersigned hereby certifies that the final location is within ten (10') feet of the location shown on the well plat dated 10-24-05.

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-536788

37.040442
82.132043

WELL LOCATION PLAT

COMPANY EQUITABLE PRODUCTION CO. WELL NAME OR NUMBER V-536788
 TRACT NO. 241490L/ T-518 QUADRANGLE Duty
 DISTRICT New Garden
 WELL COORDINATES (VIRGINIA STATE PLANE) N 277,833.90 E 940,163.90
 ELEVATION 2524.00 METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.
 COUNTY Russell SCALE: 1" = 400' DATE 9-13-06
 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

Coal Seams & Open Mines

<u>Type</u>	<u>From</u>
Coal	80'-81',205'-06,455'-56',475'-76',525'-26'
Coal	543'-45',685'-86',910'-11',1075'-76',1300'-01'
Coal	1360'-61',1390'-91',1470'-71',1650'-51',1920'-21'
Open Mine	340'-47'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
3,101	TSTM
4,131	TSTM
5,130	TSTM
5,255	6955 mcf
5,915	957 mcf

Survey Results

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
199	1/4
400	1/4
545	1/4
723	1/4
912	1/4
1,102	1/4
1,291	1/4
1,481	1/4
1,670	1/4
1,860	1/4
2,060	1/4

Casing Data					Date Cemented	
Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Cement Baskets	
18	20	21 1/2				
13 3/8	402	16 1/4	436.60	09/12/2006	271	
9 5/8	627	12 1/4	330.40	09/13/2006	441.2' & 503'	
7	2038	8 7/8	457.40	09/15/2006	668	
4 1/2	5527	6 1/2	462.68	09/19/2006		

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
	0.00	0.00	0.00
Base LEE	0.00	2,178.00	0.00
RVCF	2,942.00	3,096.00	154.00
AVIS	3,096.00	3,216.00	120.00
MXTN	3,686.00	0.00	0.00
LLIM	4,242.00	4,308.00	66.00
BGLM	4,308.00	5,150.00	842.00
WEIR	5,150.00	5,430.00	280.00
WEIR Sh	5,430.00	5,734.00	304.00
SNBY	5,734.00	5,776.00	42.00
BEREA	5,776.00	5,782.00	6.00
CLEV	5,782.00	0.00	0.00