



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: 49
 Company: Equitable Production Company
 File Number: WS-0769
 Operations Name: V-536849 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 8/24/2006 Drilling Contractor: GASCO
 Date drilling completed: 8/27/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 4,193
 Log Total Depth (feet): 4,200 Formation At Total Depth Olentangy

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

Permitted State Plane X 813,573 Final Plat State Plane X: 4,200
 Permitted State Plane Y: 228,251 Final Plat State Plane Y: 4,193

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
536849	536849 FINAL PLAT.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
1/2-1	262	GPM
11/2-1	471	GPM

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
536849	536849 COAL SEAMS.jpg

Gas and Oil Shows

List of Attached Items:

Description	FileName
536849	536849 gas 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
536849	536849 SURVEY.jpg

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
536849	536849 CASING.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: 138

8. Drillers Log

Compiled By: TODD TETRICK

List of Attached Items:

Description	FileName
536849	536849 DRILLERS LOG.pdf

9. Comments

10. Signature

Permitee: Equitable Production Company Date: 11/22/2006 (Company)

Signed By: TODD TETRICK Title: MANAGER (Signature)

INTERNAL USE ONLY

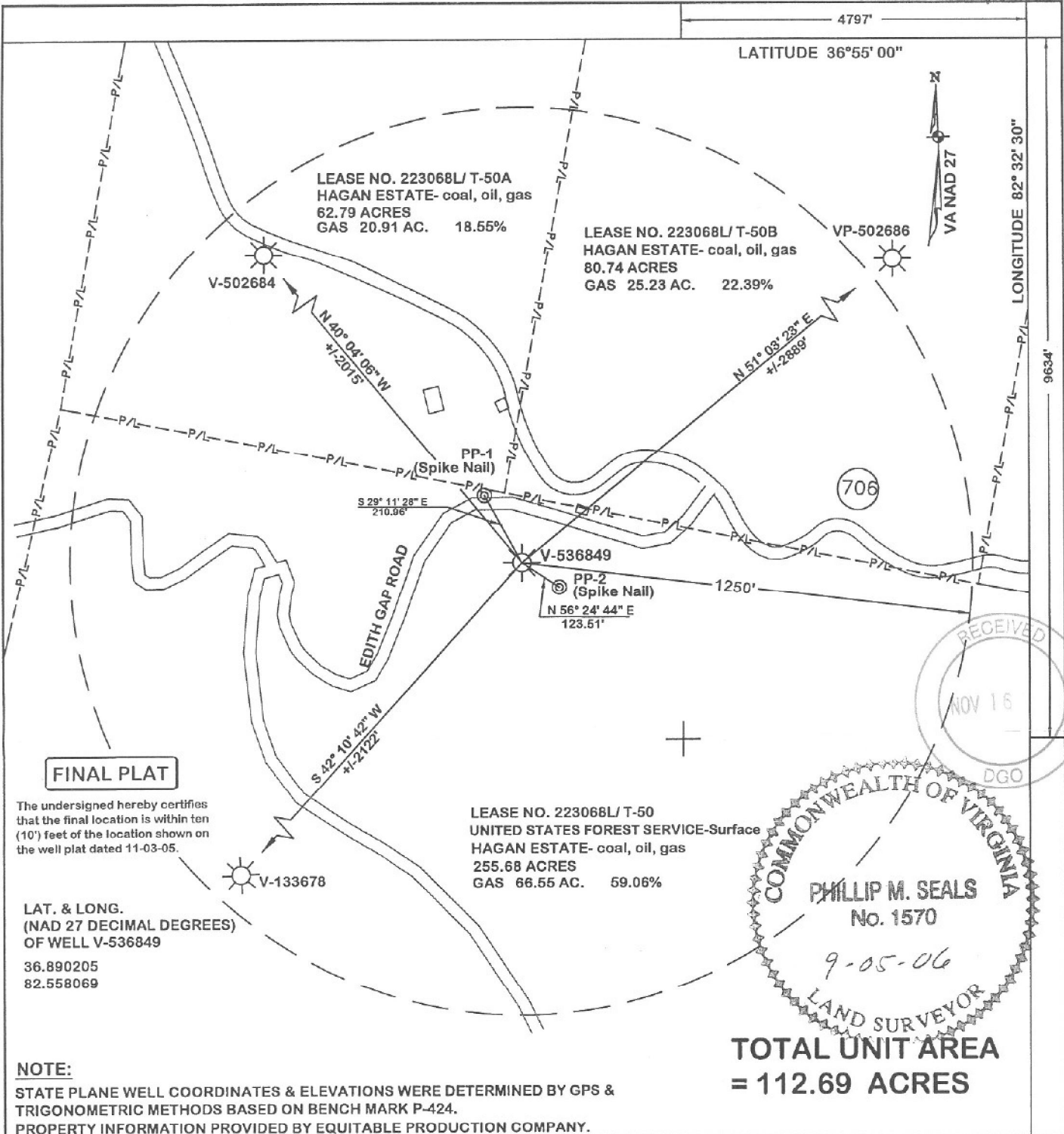
Submit Date: 11/22/2006

Status: Inspr Approved

Date: 11/28/2006

Final PDF Date: 2/1/2007

WS-769

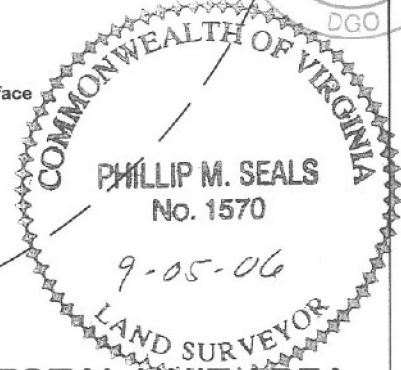


FINAL PLAT

The undersigned hereby certifies that the final location is within ten (10') feet of the location shown on the well plat dated 11-03-05.

LAT. & LONG.
(NAD 27 DECIMAL DEGREES)
OF WELL V-536849
36.890205
82.558069

LEASE NO. 223068L/T-50
UNITED STATES FOREST SERVICE-Surface
HAGAN ESTATE- coal, oil, gas
255.68 ACRES
GAS 66.55 AC. 59.06%



**TOTAL UNIT AREA
= 112.69 ACRES**

NOTE:

STATE PLANE WELL COORDINATES & ELEVATIONS WERE DETERMINED BY GPS & TRIGONOMETRIC METHODS BASED ON BENCH MARK P-424.
PROPERTY INFORMATION PROVIDED BY EQUITABLE PRODUCTION COMPANY.

WELL LOCATION PLAT

COMPANY EQUITABLE PRODUCTION CO. WELL NAME OR NUMBER V-536849
TRACT NO. T-50 QUADRANGLE Wise
DISTRICT Gladeville
WELL COORDINATES (VIRGINIA STATE PLANE) N 228,249.63 E 813,570.73
ELEVATION 3292.71 METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.
COUNTY Wise SCALE: 1" = 400' DATE 9-5-06
THIS PLAT IS A NEW PLAT ; AN UPDATED PLAT ; OR A FINAL LOCATION PLAT X

⊕ 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

Type

Coal

From

165'-166', 380'-381'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
199	No Show
389	No Show
1,365	No Show
1,933	No Show
2,881	TSTM
3,281	TSTM

Survey Results

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
199	1/4
389	1/4

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
16	0- 20	17 1/2				
9 5/8	0- 447	12 1/4	236.00	✓	08/24/2006	138
4 1/2	0- 4162	6 1/2	532.62		08/27/2006	

<u>Tubing Size</u>	<u>Footage</u>
2 3/8	3,780.35

Drillers Log

Permit: 7174

Well: V536849

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Base LEE	0.00	374.00	0.00
RVCF	1,126.00	1,172.00	46.00
AVIS	1,172.00	1,290.00	118.00
MXTN	1,634.00	0.00	0.00
LLIM	2,130.00	2,206.00	76.00
BGLM	2,206.00	2,876.00	670.00
WEIR	2,876.00	3,146.00	270.00
WEIR Sh	3,146.00	3,272.00	126.00
SNBY	3,272.00	3,356.00	84.00
BEREA	3,356.00	3,370.00	14.00
CLEV	3,370.00	3,504.00	134.00
TLB	3,504.00	3,596.00	92.00
UHRN	3,596.00	3,642.00	46.00
MHRN	3,642.00	3,924.00	282.00
LHRN	3,924.00	4,100.00	176.00
OLNG	4,100.00	0.00	0.00

Total Depth of Well: 4,193.00

Permitee: EQUITABLE PRODUCTION COMPANY (Company)

By:  (Signature)

11/12/06