



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: 376
Company: Equitable Production Company
File Number: WS-0772
Operations Name: V-536763 W/PL
Operation Type: Gas/Pipeline
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 3/18/2006 Drilling Contractor: Gasco
Date drilling completed: 3/24/2006 Rig Type: Rotary Cable Tool
Driller's Total Depth (feet): 6,330
Log Total Depth (feet): 6,309 Formation At Total Depth: Olentangy

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

Permitted State Plane X: 842,816 Final Plat State Plane X: 842,822
Permitted State Plane Y: 272,641 Final Plat State Plane Y: 272,642

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 536763	VC-536763 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
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Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
Coal Seam 536763	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas & Oil Shows 536763	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
Survey Results 536763	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
csg 536763	Casing Dat1.doc
Tbg 536763	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 536763	Drillers Log 536763.doc

9. Comments

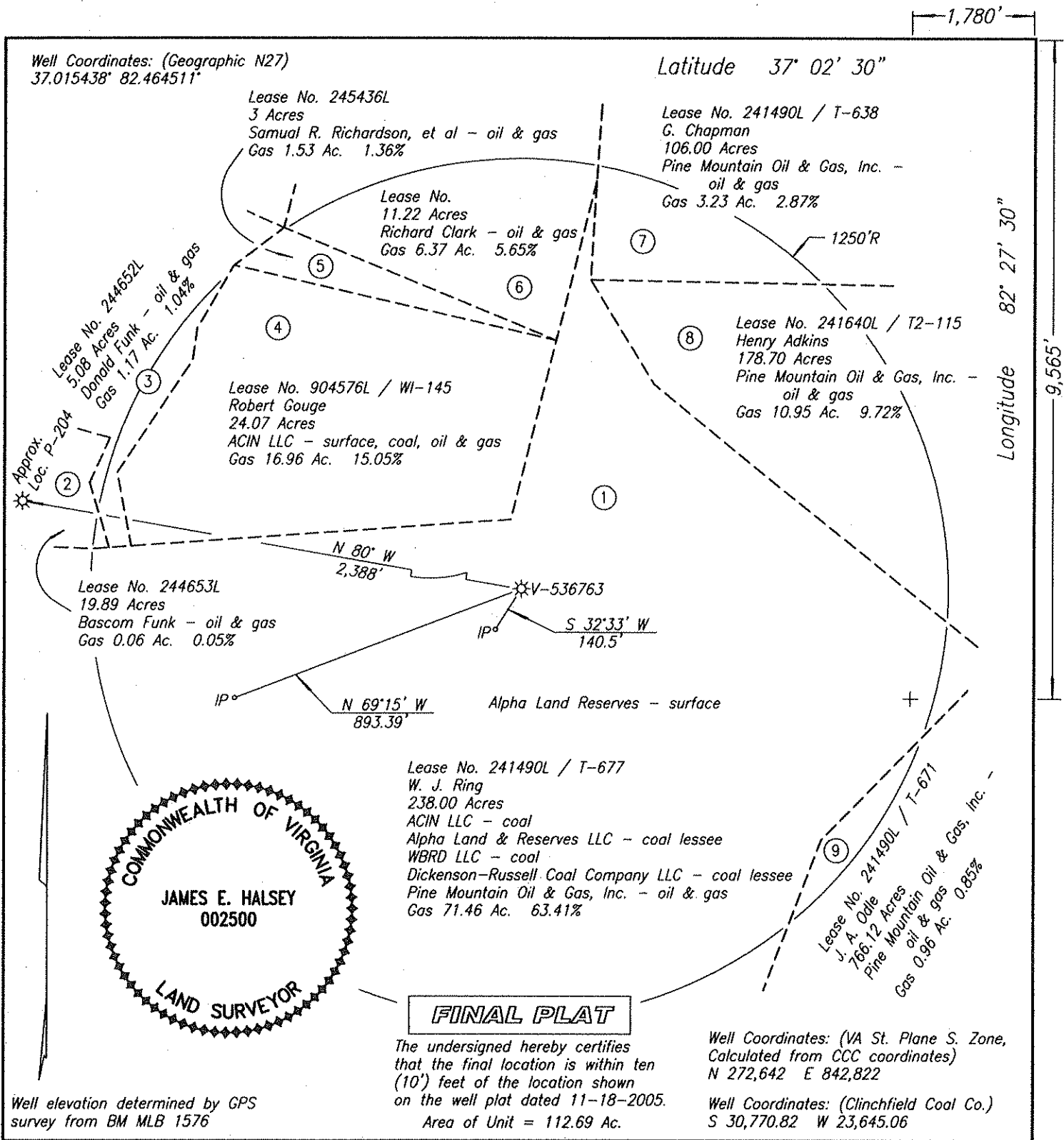
The cmt. to surface for csg.
The cmt. to surface for csg. needs to be in a seperate column.
corrected csg & updated drillers log 06/21 KT

10. Signature

Permitee: Equitable Production Company Date: 6/26/2007 (Company)

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

INTERNAL USE ONLY	
Submit Date: <u>6/26/2007</u>	
Status: <u>Inspr Approved</u>	Date: <u>6/27/2007</u>
Final PDF Date: <u>7/6/2007</u>	



WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-536763
 TRACT NO. T-677 ELEVATION 2,561.6' QUADRANGLE Caney Ridge
 COUNTY Wise DISTRICT Lipps SCALE 1" = 400' DATE 3-20-2006

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.

James E. Halsey
 Licensed Professional Engineer or Licensed Land Surveyor

**Coal Seams & Open
Mines**

Type

Coal

Coal

From

407'-08',611'-12',1003'-

04',1216'-17',1495'-1500'

1875'-76',1920'-21',2005'-

06',2048'-49',2420'-21'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
3,685	No Show
4,239	No Show
5,010	No Show
5,657	No Show
6,330	TSTM

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
202	1/4
402	1/4
544	1/4
733	1/4
920	1/4
1,140	1/4
1,332	1/4
1,520	1/4
1,802	1/2
2,020	1/2
2,207	1/2
2,426	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
16	22	17 1/2				
11 3/4	314	15	289.10	y	03/19/2006	95
7	2482	8 7/8	437.33	y	03/20/2006	360
4 1/2	6270	6 1/2	524.55	n	03/24/2006	

Tubing Size
2-3/8"

Footage
6,077.20

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
OverBurden	0.00	22.00	22.00
Sandy Shale	22.00	138.00	116.00
Sand Stone	138.00	190.00	52.00
Sandy Shale	190.00	210.00	20.00
Sand Stone	210.00	407.00	197.00
Coal	407.00	408.00	1.00
Sandy Shale	408.00	611.00	203.00
Coal	611.00	612.00	1.00
Sandy Shale	612.00	1,003.00	391.00
Coal	1,003.00	1,004.00	1.00
Shale	1,004.00	1,115.00	111.00
Sandy Shale	1,115.00	1,175.00	60.00
Sand Stone	1,175.00	1,216.00	41.00
Coal	1,216.00	1,217.00	1.00
Sandy Shale	1,217.00	1,245.00	28.00
sandstone	1,245.00	1,460.00	215.00
Shale	1,460.00	1,495.00	35.00
Coal	1,495.00	1,500.00	5.00
Shale	1,500.00	1,520.00	20.00
sandstone stk	1,520.00	1,630.00	110.00
Sand Stone	1,630.00	1,875.00	245.00
Coal	1,875.00	1,876.00	1.00
Sand Stone	1,876.00	1,920.00	44.00
Coal	1,920.00	1,921.00	1.00
sandstone stk	1,921.00	2,005.00	84.00
Coal	2,005.00	2,006.00	1.00
Shale	2,006.00	2,020.00	14.00
Shale	2,020.00	2,048.00	28.00
Coal	2,048.00	2,049.00	1.00
Sandy Shale	2,049.00	2,420.00	371.00
Coal	2,420.00	2,421.00	1.00
Sandy Shale	2,421.00	2,565.00	144.00
Sand Stone	2,565.00	2,660.00	95.00
Sandy Shale	2,660.00	2,730.00	70.00
Sand Stone	2,730.00	2,940.00	210.00
RVCF	3,190.00	3,236.00	46.00
AVIS	3,270.00	3,338.00	68.00
MXTN	3,810.00	3,930.00	120.00
LLIM	4,100.00	4,172.00	72.00
BGLM	4,172.00	4,740.00	568.00
WEIR	4,740.00	4,990.00	250.00
WEIR Sh	4,990.00	5,216.00	226.00
SNBY	5,216.00	5,301.00	85.00
BEREA	5,301.00	5,358.00	57.00
CLEV	5,358.00	5,460.00	102.00
TLB	5,460.00	5,580.00	120.00

UHRN	5,580.00	5,625.00	45.00
MHRN	5,625.00	5,964.00	339.00
LHRN	5,964.00	6,158.00	194.00
OLNG	6,158.00	0.00	0.00