



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: 1093
Company: Equitable Production Company
File Number: RU-0470
Operations Name: V-537767
Operation Type: Gas
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 9/7/2007 Drilling Contractor: Gasco
Date drilling completed: 9/13/2007 Rig Type: Rotary Cable
Driller's Total Depth (feet): 5827.00
Log Total Depth (feet): 5851.00 Formation At Total Depth: BEREA

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

Permitted State Plane X: 932822.00 Final Plat State Plane X: 932823.00
Permitted State Plane Y: 274308.00 Final Plat State Plane Y: 274309.00

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 537767	V-537767 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
264	wet	
435	wet	
650	wet	

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams:

List of Attached Items:

Description	FileName
Coal Seams 537767	Coal Seams.doc

Gas and Oil Shows:

List of Attached Items:

Description	FileName
Gas & Oil Shows 537767	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?

5. Survey Results (As required by 4VAC25-150-280.B.2)

List of Attached Items:

Description	FileName
Survey Results 537767	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing 537767	Casing Data.doc
Tubing 537767	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 537767	Drillers Log.doc

9. Comments

10. Signature

Permitee: Equitable Production Company Date: 2/11/2008

Signed By: Michael D. Butcher Title: Regional Manager-Drilling

INTERNAL USE ONLY

Submit Date: 2/11/2008

Status: A

Date: 2/27/2008

Final PDF Date: 2/28/2008

9,255'

Well Coordinates: (Geographic N27)
37.029989° 82.156708°

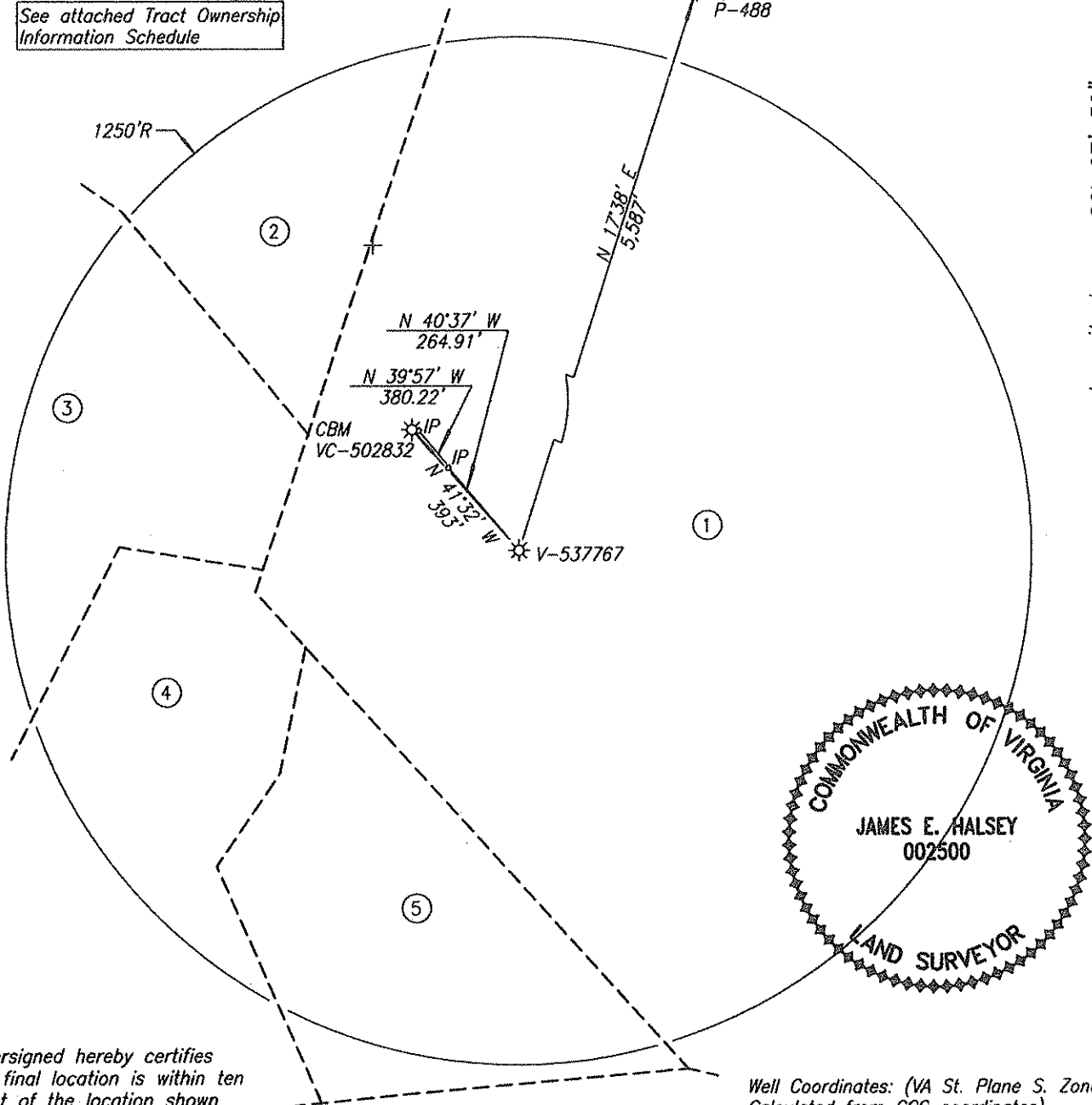
Latitude 37° 02' 30"

See attached Tract Ownership
Information Schedule

Approx. Loc.
P-488

Longitude 82° 07' 30"

4,265'



The undersigned hereby certifies
that the final location is within ten
(10') feet of the location shown
on the well plat dated 6-26-2007.

Well elevation determined by GPS survey
from HARN Monument P-424

FINAL PLAT

Area of Unit = 112.69 Ac.

Well Coordinates: (VA St. Plane S. Zone,
Calculated from CCC coordinates)
N 274,309 E 932,823

Well Coordinates: (Clinchfield Coal Co.)
S 25,472.90 E 66,129.19

WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-537767
TRACT NO. LS. No. 241490L/T-483 ELEVATION 2,509.37' QUADRANGLE Duty
COUNTY Russell DISTRICT Castlewood SCALE 1" = 400' DATE 9-10-2007

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.

James E. Halsey
Licensed Professional Engineer or Licensed Land Surveyor

Coal Seams & Open Mines
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Type

Coal

Coal

Coal

From

130'-31',190'-91',320'-

21',350'-51',560'-64'

705'-06',1045'-46',1100'-

01',1170'-71',1265'-66'

1380'-81',1450'-51',1735'-

36',1940'-41',2160'-61'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
3,625	No Show
4,005	No Show
5,019	TSTM
5,675	TSTM
5,827	TSTM

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
200	1/4
400	1/4
576	1/4
767	1/4
952	1/4
1,142	1/4
1,342	1/4
1,542	1/4
1,742	1/4
1,942	1/4
2,142	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
20	21	21 1/2				
18	40	21 1/2				
13 3/8	403	16 1/4	472.00	y	09/08/2007	227', 271
9 5/8	624	12 1/4	395.30	y	09/09/2007	492', 536'
7	2260	8 7/8	545.90	y	09/10/2007	626
4 1/2	5435	6 3/8	564.90	n	09/12/2007	

Tubing Size
2 3/8

Footage
5,260.25

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
OverBurden	0.00	36.00	36.00
Sand Stone	36.00	90.00	54.00
Sandy Shale	90.00	130.00	40.00
Coal	130.00	131.00	1.00
Sand Stone	131.00	190.00	59.00
Coal	190.00	191.00	1.00
Sand Stone	191.00	320.00	129.00
Coal	320.00	321.00	1.00
Sandy Shale	321.00	350.00	29.00
Coal	350.00	351.00	1.00
Sandy Shale	351.00	560.00	209.00
Coal	560.00	564.00	4.00
Sandy Shale	564.00	574.00	10.00
Sand Stone	574.00	705.00	131.00
Coal	705.00	706.00	1.00
Sandy Shale	706.00	885.00	179.00
Sand Stone	885.00	1,045.00	160.00
Coal	1,045.00	1,046.00	1.00
Sandy Shale	1,046.00	1,100.00	54.00
Coal	1,100.00	1,101.00	1.00
Sand Stone	1,101.00	1,170.00	69.00
Coal	1,170.00	1,171.00	1.00
Sandy Shale	1,171.00	1,265.00	94.00
Coal	1,265.00	1,266.00	1.00
Sand Stone	1,266.00	1,380.00	114.00
Coal	1,380.00	1,381.00	1.00
Sandy Shale	1,381.00	1,450.00	69.00
Coal	1,450.00	1,451.00	1.00
Sandy Shale	1,451.00	1,530.00	79.00
Sand Stone	1,530.00	1,735.00	205.00
Coal	1,735.00	1,736.00	1.00
Sandy Shale	1,736.00	1,850.00	114.00
Sand Stone	1,850.00	1,940.00	90.00
Coal	1,940.00	1,941.00	1.00
Sand Stone	1,941.00	2,160.00	219.00
Coal	2,160.00	2,161.00	1.00
Sandy Shale	2,161.00	2,270.00	109.00
Sand Stone	2,270.00	2,465.00	195.00
Red Rock	2,465.00	2,500.00	35.00
Sandy Shale	2,500.00	2,976.00	476.00
RVCF	2,976.00	3,110.00	134.00
AVIS	3,110.00	3,202.00	92.00
MXTN	3,643.00	4,178.00	535.00
LLIM	4,178.00	4,250.00	72.00
BGLM	4,250.00	5,069.00	819.00
WEIR	5,069.00	5,353.00	284.00

WEIR Sh	5,353.00	5,658.00	305.00
SNBY	5,658.00	5,694.00	36.00
BEREA	5,694.00	5,699.00	5.00
TD	5,827.00	0.00	0.00