



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: 482
 Company: Equitable Production Company
 File Number: DI-1659
 Operations Name: V-537704 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 2/26/2007 Drilling Contractor: Gasco
 Date drilling completed: 3/7/2007 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 6,804
 Log Total Depth (feet): 6,820 Formation At Total Depth Olentangy

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

Permitted State Plane X 935,033 Final Plat State Plane X: 935,039
 Permitted State Plane Y: 280,648 Final Plat State Plane Y: 280,653

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 537704	V-537704 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
195	wet	
426	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	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas & Oil Shows 537704	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 537704	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Csg 537704	Casing Data.doc
Tbg 537704	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.

Lost circ @ 321'-326' and 516'-520' open mines, cemented 13 3/8" and 9 5/8" casing accordingly

8. Drillers Log

Compiled By: _____

List of Attached Items:

Description	FileName
Drillers Log 537704	Drillers Log.doc

9. Comments

10. Signature

Permitee: Equitable Production Company Date: 7/3/2007 (Company)

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

INTERNAL USE ONLY

Submit Date: 7/3/2007

Status: Inspr Approved

Date: 7/6/2007

Final PDF Date: 7/6/2007

Well Coordinates: (Geographic N27)
37.047638° 82.149961°

Latitude 37° 05' 00"

7,300'

Longitude 82° 07' 30"

13,005'

Lease No. 241490L / T-349
James Rasnake
388.52 Acres
Heartwood Forestland Fund IV, L.P. - surface
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Pine Mountain Oil & Gas, Inc. - oil & gas
Gas 26.57 Ac. 23.58%

Lease No. 241490L / T-348
James Rasnake
215.46 Acres
Heartwood Forestland Fund IV, L.P. - surface
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Pine Mountain Oil & Gas, Inc. - oil & gas
Gas 76.05 Ac. 67.49%

S 80°44' W
151.70'
IP

S 51°43' W
261.28'
IP

N 54°05' E
2,538'

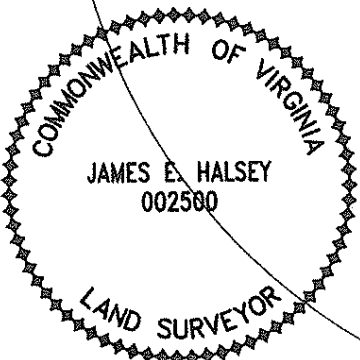
N 68°05' E
434'

V-537704

VC-2471

V-536392

Lease No. 241490L / T-621
C. A. Warder
72 Acres
Heartwood Forestland Fund IV, L.P. - surface
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Pine Mountain Oil & Gas, Inc. - oil & gas
Gas 10.07 Ac. 8.93%



FINAL PLAT

Area of Unit = 112.69 Ac.

Well Coordinates: (VA St. Plane S. Zone,
Calculated from CCC coordinates)
N 280,653 E 935,039

Well Coordinates: (Clinchfield Coal Co.)
S 19,046.96 E 68,097.11

The undersigned hereby certifies
that the final location is within ten
(10') feet of the location shown
on the well plat dated 12-04-2006.

Well elevation determined by GPS survey
from Mon. Sandy

WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-537704
TRACT NO. LS. No. 241490L/T-348 ELEVATION 2,482.72' QUADRANGLE Duty
COUNTY Dickenson DISTRICT Ervinton SCALE 1" = 400' DATE 3-02-2007

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

Open Mine

From

105'-06',185'-86',390'-

91',490'-91',730'-31'

790'-91',975'-76',1120'-

21',1205'-06',1390'-91'

1705'-06',1940'-41'

321'-26,516'-20'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
3,005	TSTM
3,942	TSTM
5,007	168 MCF/D
5,542	168 MCF/D
5,608	168 MCF/D
6,804	84 MCF/D

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
198	1/4
387	1/4
575	1/4
763	1/4
952	1/4
1,141	1/4
1,331	1/4
1,520	1/4
1,710	1/4
1,899	1/4
2,089	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
18	24	21 1/2				
13 3/8	403	16 1/4	513.30	y	2/26/2007	315
9 5/8	623	12 1/4	354.00	y	02/27/2007	491
7	2125	8 7/8	509.10	y	02/28/2007	667
4 1/2	6768	6 3/8	632.15	n	03/06/2007	

Tubing Size
2 3/8

Footage
6,635.90

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
OverBurden	0.00	4.00	4.00
Sand Stone	4.00	105.00	101.00
Coal	105.00	106.00	1.00
Sandy Shale	106.00	140.00	34.00
Sand Stone	140.00	185.00	45.00
Coal	185.00	186.00	1.00
Sandy Shale	186.00	321.00	135.00
Open Mine	321.00	326.00	5.00
Sandy Shale	326.00	345.00	19.00
Sand Stone	345.00	390.00	45.00
Coal	390.00	391.00	1.00
Sandy Shale	391.00	490.00	99.00
Coal	490.00	491.00	1.00
Sand Stone	491.00	516.00	25.00
Open Mine	516.00	520.00	4.00
Sandy Shale	520.00	650.00	130.00
Sand Stone	650.00	730.00	80.00
Coal	730.00	731.00	1.00
Sandy Shale	731.00	790.00	59.00
Coal	790.00	791.00	1.00
Sand Stone	791.00	940.00	149.00
Sandy Shale	940.00	975.00	35.00
Coal	975.00	976.00	1.00
Sand Stone	976.00	1,120.00	144.00
Coal	1,120.00	1,121.00	1.00
Sandy Shale	1,121.00	1,205.00	84.00
Coal	1,205.00	1,206.00	1.00
Sand Stone	1,206.00	1,390.00	184.00
Coal	1,390.00	1,391.00	1.00
Sandy Shale	1,391.00	1,545.00	154.00
Sand Stone	1,545.00	1,705.00	160.00
Coal	1,705.00	1,706.00	1.00
Sandy Shale	1,706.00	1,790.00	84.00
Sand Stone	1,790.00	1,940.00	150.00
Coal	1,940.00	1,941.00	1.00
Sandy Shale	1,941.00	2,852.00	911.00
RVCF	2,852.00	2,978.00	126.00
AVIS	3,035.00	3,106.00	71.00
MXTN	3,702.00	3,999.00	297.00
LLIM	4,088.00	4,146.00	58.00
BGLM	4,146.00	4,954.00	808.00
WEIR	4,954.00	5,236.00	282.00
WEIR Sh	5,236.00	5,529.00	293.00
SNBY	5,529.00	5,585.00	56.00
BEREA	5,585.00	5,593.00	8.00
CLEV	5,593.00	0.00	0.00

LHRN	6,472.00	6,706.00	234.00
OLNG	6,706.00	0.00	0.00
TD	6,804.00	0.00	0.00