



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: 826
 Company: Equitable Production Company
 File Number: WS-0784
 Operations Name: V-536894 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 12/5/2006 Drilling Contractor: Gasco
 Date drilling completed: 12/13/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 5,100
 Log Total Depth (feet): 5,114 Formation At Total Depth LOWER HURON

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

Permitted State Plane X 818,760 Final Plat State Plane X: 818,760
 Permitted State Plane Y: 288,921 Final Plat State Plane Y: 288,921

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 536894	V-536894 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
140	4	INCH
510	1/2-1	INCH

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
Coal Seams 536894	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas & Oil Shows 536894	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 536894	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing 536894	Casing Data.doc
Tubing 536894	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 536894	Drillers Log.doc

9. Comments

10. Signature

Permitee: Equitable Production Company Date: 12/13/2007 (Company)

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

INTERNAL USE ONLY

Submit Date: 12/13/2007

Status: Inspr Approved

Date: 12/14/2007

Final PDF Date: 12/28/2007

2,215'

Well Coordinates: (Geographic N27)
37.057306° -82.549237°

Latitude 37° 05' 00"

Lease No. 241490L / T-905
William Hudson
433.28 Acres
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 & CBM
Gas 112.63 Ac. 99.95%

Longitude 82° 32' 30"

9,490'

DMLR Permit
No. 1201490

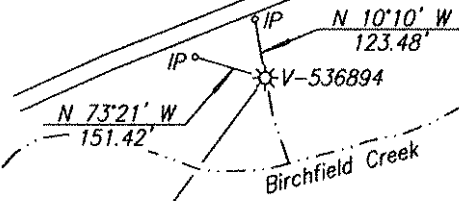
1250'R

DMLR Permit
No. 1201490

Heartwood Forestland Fund IV, L.P. - surface

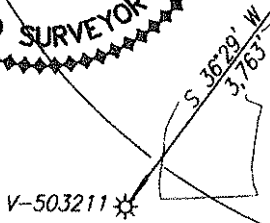
Va. Rte. 634

COMMONWEALTH OF VIRGINIA
JAMES E. HALSEY
002500
LAND SURVEYOR



Birchfield Creek

DMLR Permit
No. 1201684



Lease No. 241490L / T-880
A. J. Stallard
87.09 Acres
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 & CBM
Gas 0.06 Ac. 0.05%

FINAL PLAT

The undersigned hereby certifies
that the final location is within ten
(10') feet of the location shown
on the well plat dated 9-25-2006.

Well elevation determined by GPS
survey from VICC Sta. PD 6.2

Area of Unit = 112.69 Ac.

Well Coordinates: (Va. St. Plane S. Zone,
NAD 27, calculated from NAD 83 coord.)
N 288,920.62 E 818,760.01

WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-536894
TRACT NO. T-905 ELEVATION 1,628.69' QUADRANGLE Pound
COUNTY Wise DISTRICT Roberson SCALE 1" = 400' DATE 12-14-2006
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**

Type

Coal

Coal

Coal

From

120'-21',145'-46',180'-
81',220'-21'

335'-36',490'-91',560'-
61',780'-81'

855'-56',1100'-
01',1310'-11',1550'-51'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
2,749	No Show
3,062	No Show
3,781	TSTM
4,126	TSTM

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
197	1/4
385	1/4
574	1/4
953	1/4
1,143	1/4
1,332	1/4
1,521	1/4
1,711	1/2
1,900	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
16	35	17 1/2				
11 3/4	314	15	165.20	y	12/05/2006	94
7	1994	8 3/4	531.00	y	12/08/2006	359
4 1/2	5073	6 3/8	430.40	n	12/13/2006	

Tubing Size
2 3/8

Footage
4,902.95

Drillers Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
OverBurden	0.00	25.00	25.00
Sandy Shale	25.00	120.00	95.00
Coal	120.00	121.00	1.00
Sand Stone	121.00	145.00	24.00
Coal	145.00	146.00	1.00
Sand Stone	146.00	180.00	34.00
Coal	180.00	181.00	1.00
Sandy Shale	181.00	220.00	39.00
Coal	220.00	221.00	1.00
Sand Stone	221.00	280.00	59.00
Sandy Shale	280.00	335.00	55.00
Coal	335.00	336.00	1.00
Sand Stone	336.00	490.00	154.00
Coal	490.00	491.00	1.00
Sandy Shale	491.00	560.00	69.00
Coal	560.00	561.00	1.00
Sand Stone	561.00	780.00	219.00
Coal	780.00	781.00	1.00
Sandy Shale	781.00	820.00	39.00
Sand Stone	820.00	855.00	35.00
Coal	855.00	856.00	1.00
Sandy Shale	856.00	1,100.00	244.00
Coal	1,100.00	1,101.00	1.00
Sandy Shale	1,101.00	1,310.00	209.00
Coal	1,310.00	1,311.00	1.00
Sandy Shale	1,311.00	1,410.00	99.00
Sandy Shale	1,410.00	1,550.00	140.00
Coal	1,550.00	1,551.00	1.00
Sandy Shale	1,551.00	1,590.00	39.00
Sand Stone	1,590.00	1,790.00	200.00
Sandy Shale	1,790.00	2,035.00	245.00
Red Rock	2,035.00	2,040.00	5.00
Sandy Shale	2,040.00	2,095.00	55.00
Red Rock	2,060.00	2,095.00	35.00
Sandy Shale	2,095.00	2,528.00	433.00
RVCF	2,528.00	2,564.00	36.00
AVIS	2,564.00	2,638.00	74.00
LLIM	3,178.00	3,250.00	72.00
BGLM	3,250.00	3,770.00	520.00
WEIR	3,770.00	3,932.00	162.00
WEIR Sh	3,932.00	4,166.00	234.00
SNBY	4,166.00	4,231.00	65.00
BEREA	4,231.00	4,256.00	25.00
CLEV	4,256.00	4,366.00	110.00
TLB	4,366.00	4,456.00	90.00
UHRN	4,456.00	4,500.00	44.00
MHRN	4,500.00	4,754.00	254.00
LHRN	4,754.00	4,972.00	218.00
White Shale	4,972.00	5,100.00	128.00

