



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: 270
 Company: Equitable Production Company
 File Number: RU-0413
 Operations Name: V-537301 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 10/13/2006 Drilling Contractor: Gasco
 Date drilling completed: 10/20/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 6,626
 Log Total Depth (feet): 6,645 Formation At Total Depth Cleveland Shale

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

Permitted State Plane X 902,597 Final Plat State Plane X: 902,598
 Permitted State Plane Y: 258,897 Final Plat State Plane Y: 258,899

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
final plat 537301	V-537301 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
50	damp	
600	damp	

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
coal seams 537301	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
gas shows 537301	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 537301	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
csg 537301	Casing Data.doc
tbg 537301	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 537301	Drillers Log.doc

9. Comments

10. Signature

Permitee: Equitable Production Company Date: 6/2/2007 (Company)

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

INTERNAL USE ONLY

Submit Date: 6/2/2007

Status: Inspr Approved

Date: 10/4/2007

Final PDF Date: 10/4/2007

Well Coordinates: (Geographic N27)
36.984436° 82.258067°

Latitude 37° 00' 00"

2,350'

Longitude 82° 15' 00"

5,670'

Lease No. 241490L / T-547
Hiram A. Kiser
29.02 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. - CBM
Unleased
Joseph Kiser Heirs - oil & gas
Gas 3.88 Ac. 3.44%

Lease No. 241490L / T-525
Dawson
6,000 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 & CBM
Gas 106.50 Ac. 94.51%

①

V-535433

N 58°07' E
241.81'

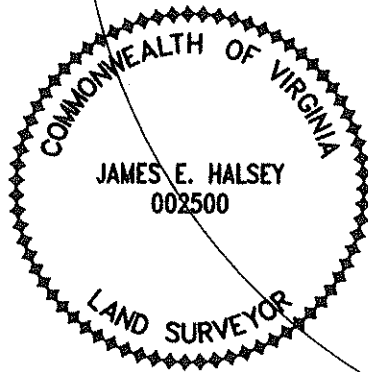
IP IP N 78°51' E
3,047'

V-537301

N 68°10' E
318.39'

②

③



Lease No. 241490L / T-1018
John F. McElhenney
1,662.93 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 & CBM
Gas 2.31 Ac. 2.05%

DMLR Permit
No. 1101863

Well Coordinates: (VA St. Plane S. Zone,
Calculated from CCC coordinates)
N 258,899 E 902,598

Well Coordinates: (Clinchfield Coal Co.)
S 42,058.38 E 36,566.89

The undersigned hereby certifies
that the final location is within ten
(10') feet of the location shown
on the well plat dated 8-04-2006.

Well elevation determined by GPS
survey from BM F 109

FINAL PLAT

Area of Unit = 112.69 Ac.

WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-537301
TRACT NO. Lease 241490L / T-525 ELEVATION 2,858.93' QUADRANGLE St. Paul
COUNTY Russell DISTRICT Castlewood SCALE 1" = 400' DATE 10-16-2006

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

<u>Type</u>	<u>From</u>
Coal	160'-61',270'-71',390'-91',656'-60',850'-51'
Coal	1045'-46',1165'-66',1325'-26',1430'-31',1480'-81'
Coal	1600'-01',1925'-26',1985'-86',2150'-51',2340'-41'
Coal	2510'-11',2590'-91',2740'-41',2860'-61'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
3,975	TSTM
4,985	TSTM
5,850	TSTM
6,473	TSTM

Survey Results

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
200	1/4
390	1/4
580	1/4
670	1/4
857	1/4
1,047	1/4
1,237	1/4
1,425	1/4
1,616	1/4
1,805	1/4
1,995	1/2
2,184	1/2
2,374	1/2
2,563	1/2
2,753	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Date Cemented Cmtd To Surface	Cement Baskets
20	44	21 1/2			
13 3/8	583	16 1/4	395.30	10/14/2006	451' & 495'
7	2970	8 7/8	1,160.85	10/16/2006	606' & 628'
4 1/2	6566	6 1/2	497.65	10/19/2006	

Tubing
Size
2 3/8

Footage
6,445.05

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Base LEE	2,830.00	0.00	0.00
RVCF	3,686.00	3,876.00	190.00
AVIS	3,896.00	4,006.00	110.00
MXTN	4,420.00	0.00	0.00
LLIM	4,946.00	5,032.00	86.00
BGLM	5,032.00	5,852.00	820.00
WEIR	5,852.00	6,064.00	212.00
WEIR Sh	6,064.00	6,398.00	334.00
SNBY	6,398.00	6,442.00	44.00
BEREA	6,442.00	6,482.00	40.00
CLEV	6,482.00	0.00	0.00