



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: 172  
 Company: Equitable Production Company  
 File Number: DI-1553  
 Operations Name: V-503180 W/PL  
 Operation Type: Gas/Pipeline  
 Drilling Report Type: Original

### DRILLING REPORT (DGO-GO-14)

#### 1. Drilling Data

Date drilling commenced: 12/2/2006 Drilling Contractor: Gasco  
 Date drilling completed: 12/9/2006 Rig Type:  Rotary  Cable Tool  
 Driller's Total Depth (feet): 4,524  
 Log Total Depth (feet): 4,529 Formation At Total Depth Cleveland Shale

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

Permitted State Plane X 893,226 Final Plat State Plane X: 893,228  
 Permitted State Plane Y: 342,262 Final Plat State Plane Y: 342,259

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
plat 503180	V-503180 PLAT.tif

#### 3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
1,380	1	INCH
2,345	1-2	INCH

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
-----------------	------	-----------------

**Coal Seams**

List of Attached Items:

Description	FileName
coal seams 503180	Coal Seams.doc

**Gas and Oil Shows**

List of Attached Items:

Description	FileName
gas shows 503180	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 503180	Survey Results.doc

**6. Casing and Tubing Program**

List of Attached Items:

Description	FileName
csg 503180	Casing Data.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
drl log 503180	Drillers Log.doc

**9. Comments**

**10. Signature**

Permitee: Equitable Production Company Date: 3/26/2007 (Company)

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

**INTERNAL USE ONLY**

Submit Date: 3/26/2007

Status: Inspr Approved

Date: 3/26/2007

Final PDF Date: 3/26/2007

TOTAL UNIT AREA  
= 112.69 ACRES

LATITUDE 37°15'00"

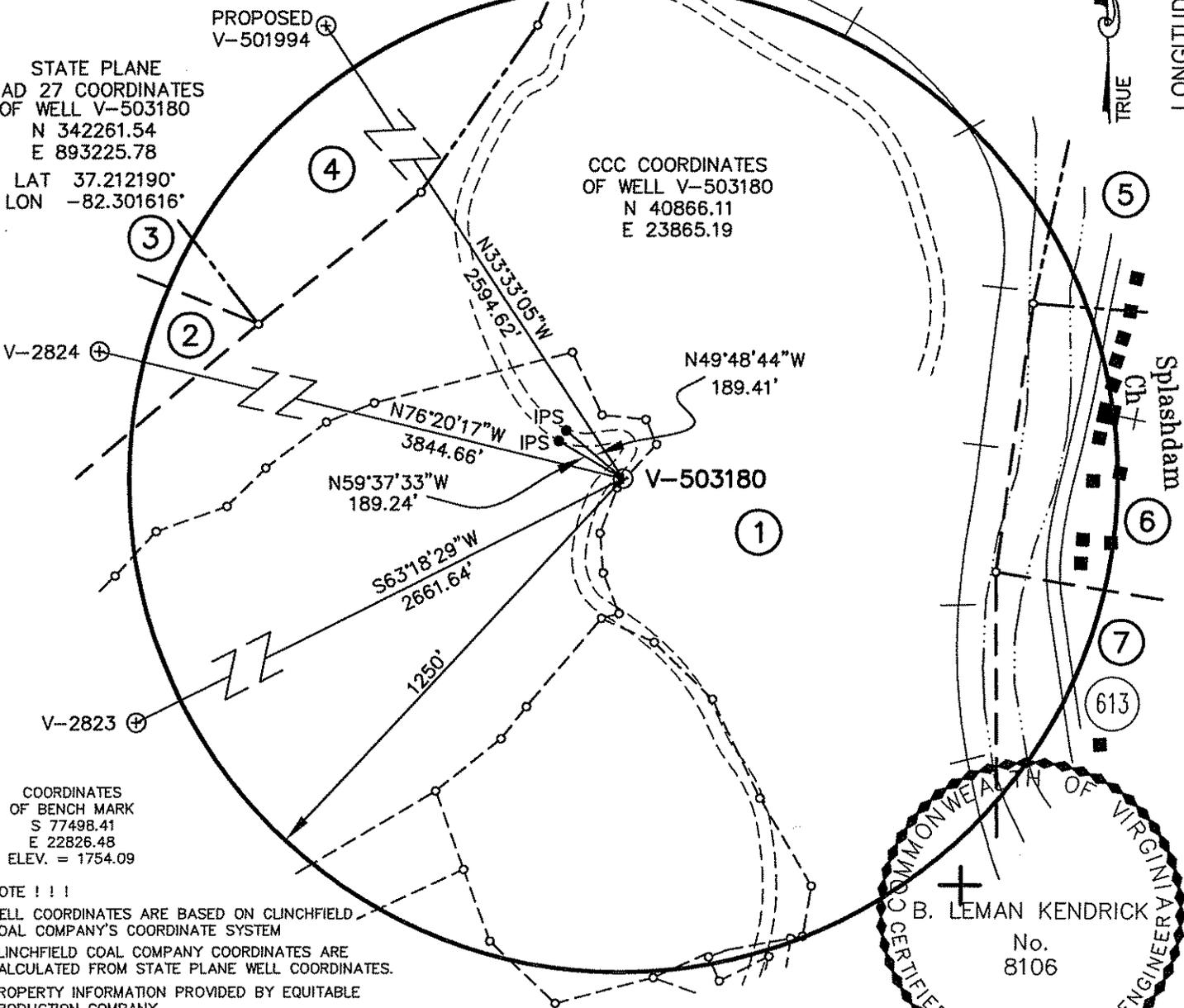
--- DENOTES MINERAL LINE  
- - - - DENOTES SURFACE LINE  
- - - - DENOTES SURFACE & MINERAL LINES

**NOTE !!**

**SEE WELL PLAT SUPPLEMENT  
SHEET 2 FOR TRACT INFORMATION.**

STATE PLANE  
NAD 27 COORDINATES  
OF WELL V-503180  
N 342261.54  
E 893225.78  
LAT 37.212190°  
LON -82.301616°

CCC COORDINATES  
OF WELL V-503180  
N 40866.11  
E 23865.19



WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-503180

TRACT No. LORREIGN MARTIN TRACT ELEVATION 1554.89 (GPS) QUADRANGLE HAYSI

COUNTY DICKENSON DISTRICT WILLIS SCALE: 1" = 400' DATE APRIL 4, 2006

THIS PLAT IS A NEW PLAT x; AN UPDATED PLAT    ; OR A FINAL LOCATION PLAT    

PROPOSED TOTAL DEPTH OF WELL =                     

+ 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.

*B. Leman Kendrick* 4/14/06

(AFFIX SEAL)

LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR

**Coal Seams & Open  
Mines**

**Type**

Coal  
Open Mine

**From**

493'-94',585'-86',774'-75'  
173'-176'

<b>Gas and Oil Shows</b>
--------------------------

**Gas Tests**

<u>Depth</u>	<u>Remarks</u>
198	No Show
400	No Show
600	No Show
800	No Show
1,000	No Show
1,200	No Show
1,400	No Show
1,600	No Show
1,800	No Show
2,000	No Show
2,200	780mcf

**Survey  
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
198	0
400	0
600	1/4
800	1/4
1,000	1/4
1,200	1/4
1,400	1/4
1,600	1/4
1,800	1/4
2,000	1/2
2,200	1/2

<b>Casing Data</b>
------------------------

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	377.60	12/02/2006		132
7	1921	8 3/4	533.20	12/04/2006		920
4 1/2	4479	6 1/2	484.20	12/08/2006		

**Drillers**  
**Log**

<b><u>Formation Name</u></b>	<b><u>Depth Top</u></b>	<b><u>Depth Bottom</u></b>	<b><u>Formation Thickness</u></b>
Base LEE	1,940.00	0.00	0.00
Blue Stone	2,060.00	2,095.00	35.00
MXTN	2,590.00	2,926.00	336.00
LLIM	3,084.00	3,140.00	56.00
BGLM	3,140.00	3,684.00	544.00
WEIR	3,684.00	3,820.00	136.00
WEIR Sh	3,820.00	4,166.00	346.00
SNBY	4,166.00	4,251.00	85.00
BEREA	4,251.00	4,351.00	100.00
CLEV	4,351.00	0.00	0.00