



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: 108  
 Company: Equitable Production Company  
 File Number: DI-1576  
 Operations Name: VC-536088 W/PL  
 Operation Type: Coalbed/Pipeline  
 Drilling Report Type: Original

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

#### 1. Drilling Data

Date drilling commenced: 9/8/2006      Drilling Contractor: GASCO  
 Date drilling completed: 9/11/2006      Rig Type:  Rotary    Cable Tool  
 Driller's Total Depth (feet): 2,675  
 Log Total Depth (feet): 2,674      Coal Seam At Total Depth PENN COAL

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

Permitted State Plane X 900,159      Final Plat State Plane X: 900,156  
 Permitted State Plane Y: 304,438      Final Plat State Plane Y: 304,436  
 Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
536088	536088 FINAL PLAT.pdf

#### 3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
2,186	1/2	INCH

Salt Water At:

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

List of Attached Items:

Description	FileName
536088	536088 COAL SEAMS.jpg

*Gas and Oil Shows*

List of Attached Items:

Description	FileName
536088	536088 GAS AND OIL SHOWS.jpg

**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
536088	536088 SURVEY RESULTS.jpg

**6. Casing and Tubing Program**

List of Attached Items:

Description	FileName
536088	536088 CASING AND TUBING.jpg

**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.

CEMENT BASKETS: 397

**8. Drillers Log**

Compiled By: TODD TETRICK

List of Attached Items:

Description	FileName
536088	536088 DRILLERS LOG.pdf

**9. Comments**

**10. Signature**

Permitee: Equitable Production Company Date: 1/11/2007 (Company)

Signed By: TODD TETRICK Title: MANAGER (Signature)

**INTERNAL USE ONLY**

Submit Date: 1/11/2007

Status: Inspr Approved

Date: 2/23/2007

Final PDF Date: 2/26/2007

TOTAL UNIT AREA  
= 58.77 ACRES

- DENOTES MINERAL LINE
- - - DENOTES SURFACE LINE
- · - · - DENOTES SURFACE & MINERAL LINES
- XXXX DENOTES DMLR PERMIT #1201855

**FINAL PLAT**

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

LEASE No. 241591L  
CHARLES B. COUNTS  
34.42 ACRES / 140.58 ACRES  
CHARLES B. COUNTS, et al - surface, oil & gas  
LEASE No. 244792 / TC-180  
HAGAN & RASNAKE  
1388.30 ACRES  
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA  
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal  
PINE MOUNTAIN OIL & GAS, INC. - CBM  
GAS 37.51 AC. 63.83%

LATITUDE 37°07'30"

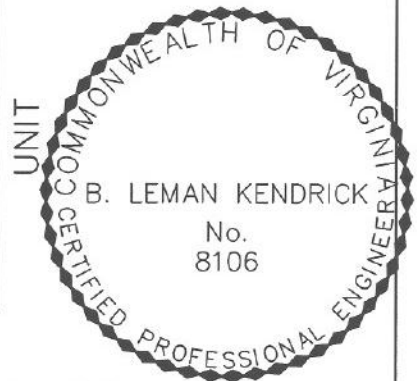
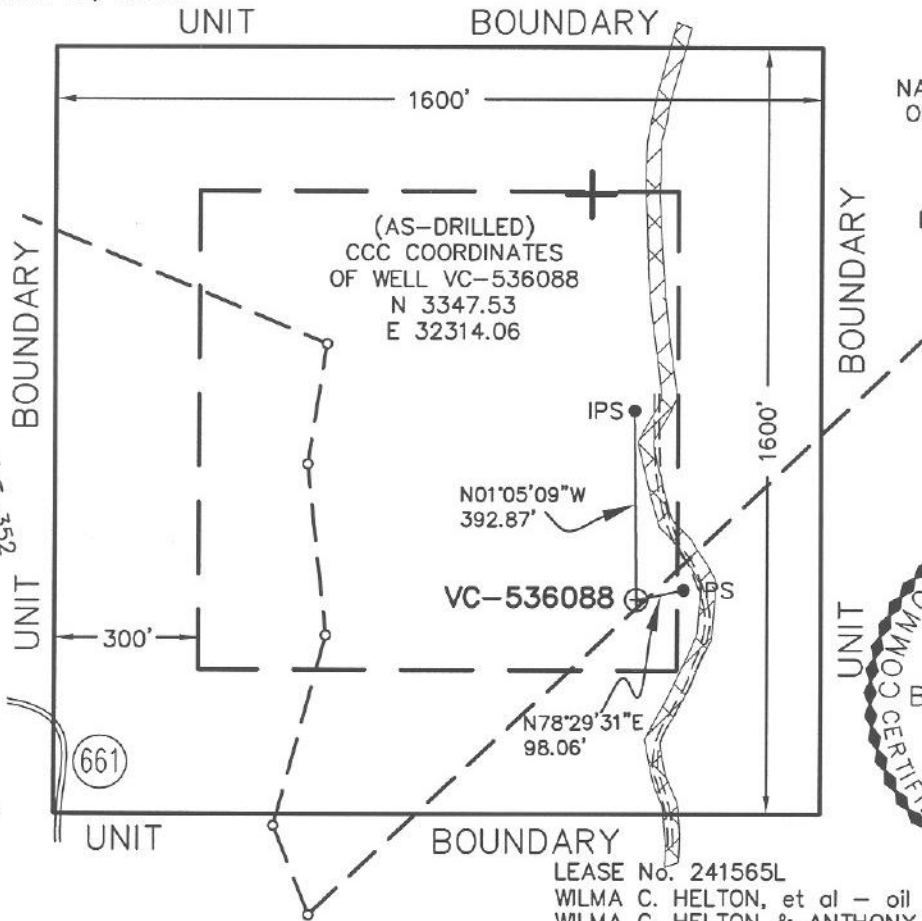
LONGITUDE 82°15'00"

TRUE

5776'

(AS-DRILLED)  
STATE PLANE  
NAD 27 COORDINATES  
OF WELL VC-536088  
N 304436.10  
E 900155.93  
LAT 37.109144°  
LON -82.272648°

LEASE No. 241490 / T-352  
E.J. RASNICK  
91.83 ACRES  
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA  
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal  
PINE MOUNTAIN OIL & GAS, INC. - oil, gas & CBM  
GAS 13.60 AC. 23.14%



LEASE No. 241565L  
WILMA C. HELTON, et al - oil & gas  
WILMA C. HELTON & ANTHONY WEINGARTEN - surface  
238.00 ACRES  
LEASE No. 244792 / TC-180  
HAGAN & RASNAKE  
1388.30 ACRES  
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA  
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal  
PINE MOUNTAIN OIL & GAS, INC. - CBM  
GAS 7.66 AC. 13.03%

COORDINATES  
OF BENCH MARK  
S 77498.41  
E 22826.48  
ELEV. = 1754.09

NOTE !!!  
WELL COORDINATES ARE BASED ON CLINCHFIELD  
COAL COMPANY'S COORDINATE SYSTEM  
CLINCHFIELD COAL COMPANY COORDINATES ARE  
CALCULATED FROM STATE PLANE WELL COORDINATES.  
PROPERTY INFORMATION PROVIDED BY EQUITABLE  
PRODUCTION COMPANY.  
ELEVATIONS ARE BASED ON NGS CONTROL ST. PAUL 2.

WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER VC-536088  
TRACT No.                      LEASE NO. 241591L ELEVATION 2315.68 (GPS) QUADRANGLE NORA  
COUNTY DICKENSON DISTRICT ERVINTON SCALE: 1" = 400' DATE SEPTEMBER 12, 2006  
THIS PLAT IS A NEW PLAT   ; AN UPDATED PLAT   ; OR A FINAL LOCATION PLAT x  
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. Lemman Kendrick* 9/12/06

(AFFIX SEAL)

LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR

X:\2006 PROJECT DESIGN\8641-11 VC-536088.dwg, 9/12/2006 3:27:28 PM

**Coal Seams & Open Mines**

<u>Type</u>	<u>From</u>
Coal	100'-01',452'-55',770'-71',905'-06',1085'-87',
Coal	1450'-51',1801'-02',1841'-42',1908'-09',1997'-98',
Coal	2045'-46',2186'-87',2480'-81',2510'-11',2550'-52'

**Gas and Oil Shows**

**Gas Tests**

<u>Depth</u>	<u>Remarks</u>
200	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	No Show
2,400	No Show

Survey Results

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

**Casing Data**

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
12 3/4	0- 22	15				
8 5/8	0- 536	12 1/4	377.60	✓	09/09/2006	397
4 1/2	0- 2238	6 1/2	561.00	✓	09/11/2006	

<u>Tubing Size</u>	<u>Footage</u>
2 3/8	2,108.80'
5/8	2,116.85'



**Drillers Log**

Permit: 7528

Well: VC536088

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Ailv	898.00	900.00	2.00
sand & shale	900.00	985.00	85.00
Raven	985.00	988.00	3.00
sand & shale	988.00	1,110.50	122.50
Jawbone Rider	1,110.50	1,112.80	2.30
sand & shale	1,112.80	1,144.00	31.20
Jawbone	1,144.00	1,146.00	2.00
sand & shale	1,146.00	1,254.00	108.00
Tiller	1,254.00	1,255.20	1.20
sand & shale	1,255.20	1,367.50	112.30
Upper Seaboard A	1,367.50	1,369.00	1.50
sand & shale	1,369.00	1,400.00	31.00
Upper Seaboard	1,400.00	1,401.00	1.00
sand & shale	1,401.00	1,505.50	104.50
Greasv Creek	1,505.50	1,507.40	1.90
sand & shale	1,507.40	1,591.00	83.60
Middle Seaboard	1,591.00	1,591.80	0.80
sand & shale	1,591.80	1,623.00	31.20
Lower Seaboard	1,623.00	1,623.00	0.00
sand & shale	1,623.00	1,696.50	73.50
Unnamed A	1,696.50	1,698.90	2.40
sand & shale	1,698.90	1,778.50	79.60
Middle Horsemen	1,778.50	1,780.30	1.80
sand & shale	1,780.30	1,857.00	76.70
C Seam	1,857.00	1,858.50	1.50
sand & shale	1,858.50	1,888.00	29.50
War Creek	1,888.00	1,889.50	1.50
sand & shale	1,889.50	1,916.50	27.00
Becklev	1,916.50	1,918.00	1.50
sand & shale	1,918.00	2,009.50	91.50
Lower Horsemen	2,009.50	2,011.30	1.80
sand & shale	2,011.30	2,053.50	42.20
X Seam	2,053.50	2,055.00	1.50
sand & shale	2,055.00	2,102.50	47.50
Pocahontas #9	2,102.50	2,103.70	1.20
sand & shale	2,103.70	2,375.50	271.80
Pocahontas #6	2,375.50	2,376.20	0.70
sand & shale	2,376.20	2,675.00	298.80

**Total Depth of Well: 2,675.00**

Permitee: EQUITABLE PRODUCTION COMPANY (Company)

By:  (Signature)

12/29/06