



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: 377
 Company: Equitable Production Company
 File Number: DI-1617
 Operations Name: V-536804 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 12/14/2006 Drilling Contractor: Gasco
 Date drilling completed: 12/21/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 4,870
 Log Total Depth (feet): 4,850 Formation At Total Depth Cleveland Shale

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

Permitted State Plane X 846,555 Final Plat State Plane X: 846,549
 Permitted State Plane Y: 304,882 Final Plat State Plane Y: 304,880

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 536804	V-536804 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
134	damp	
340	damp	
3,960	damp	

Salt Water At:

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

Coal Seams

List of Attached Items:

Description	FileName
Coal Seams 536804	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas & Oil Shows 536804	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 536804	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Csg 536804	Casing Data.doc
Tbg 536804	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 536804	Drillers Log.doc

9. Comments

Drillers log is incomplete. Not clear on which csg. strings are cemented to surface.

10. Signature

Permitee: Equitable Production Company Date: 6/26/2007 (Company)

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

INTERNAL USE ONLY

Submit Date: 6/26/2007

Status: Inspr Approved

Date: 6/27/2007

Final PDF Date: 7/6/2007

TOTAL UNIT AREA
= 112.69 ACRES

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

(AS-DRILLED)
CCC COORDINATES
OF WELL V-536804
N 1597.15
W 21273.62

FINAL PLAT LATITUDE 37°07'30"

The undersigned hereby certifies that the final location is within ten (10) feet of the location shown on the well plat dated September 14, 2006.

LONGITUDE 82°25'00"

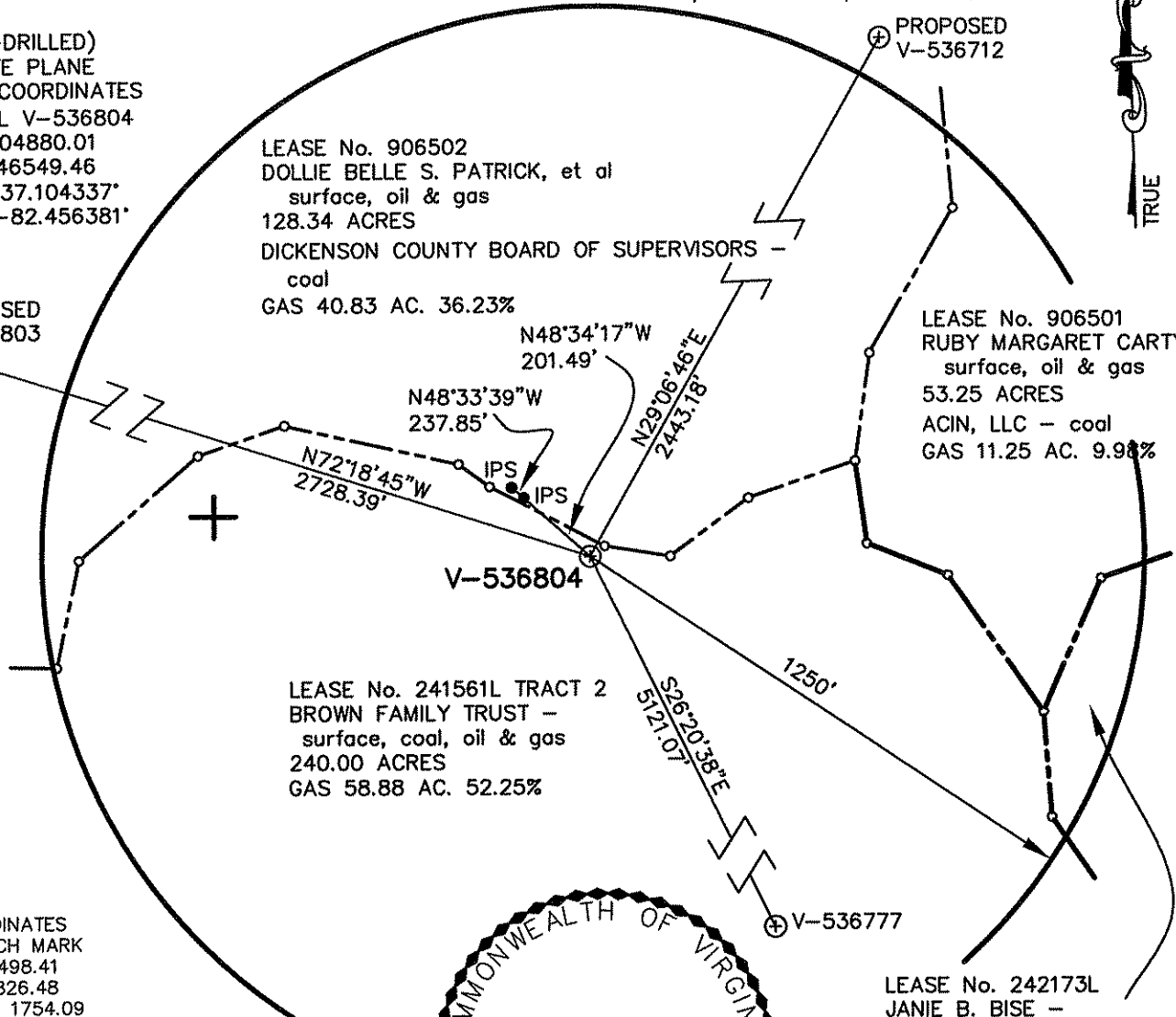
(AS-DRILLED)
STATE PLANE
NAD 27 COORDINATES
OF WELL V-536804
N 304880.01
E 846549.46
LAT 37.104337°
LON -82.456381°

LEASE No. 906502
DOLLIE BELLE S. PATRICK, et al
surface, oil & gas
128.34 ACRES
DICKENSON COUNTY BOARD OF SUPERVISORS -
coal
GAS 40.83 AC. 36.23%

LEASE No. 906501
RUBY MARGARET CARTY -
surface, oil & gas
53.25 ACRES
ACIN, LLC - coal
GAS 11.25 AC. 9.98%

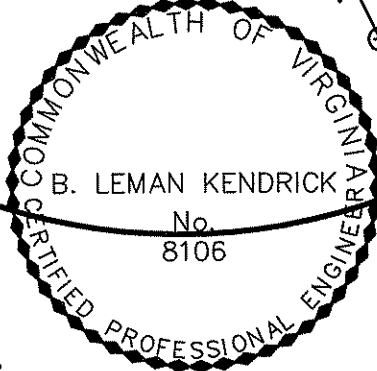
LEASE No. 241561L TRACT 2
BROWN FAMILY TRUST -
surface, coal, oil & gas
240.00 ACRES
GAS 58.88 AC. 52.25%

LEASE No. 242173L
JANIE B. BISE -
7/8 int. surface, oil & gas
CARROLL R. BAKER -
1/16 int. surface, oil & gas
STEVEN BAKER -
1/16 int. surface, oil & gas
46.00 ACRES
ACIN, LLC - coal
GAS 1.73 AC. 1.54%



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 V-536804

TRACT No. LEASE NO. 241561L TR 2 ELEVATION 2145.43 (GPS) QUADRANGLE CANEY RIDGE

COUNTY DICKENSON DISTRICT KENADY SCALE: 1" = 400' DATE JANUARY 8, 2007

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. Leman Kendrick 1/8/07 (AFFIX SEAL)
LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR

X:\2007 Project Design\8538-11 V-536804.dwg 8/5/07 AS:ED.dwg

Coal Seams & Open Mines
--

Type

Coal

Coal

Coal

From

205'-06',250'-51',295'-

96',384'-85',570'-71'

835'-36',945'-46',1045'-

46',1230'-31',1450'-51'

1710'-11',1835'-36',2085'-

86',2150'-51'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
2,813	No Show
3,529	TSTM
3,907	59MCF/D
4,094	59MCF/D
4,715	73MCF/D
4,870	119MCF/D

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
197	1/4
385	1/4
574	1/4
764	1/4
953	1/4
1,142	1/4
1,332	1/4
1,521	1/4
1,710	1/4
1,900	1/4
2,089	1/2
2,277	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
16	25	17 1/2				
11 3/4	318	15	224.20	Y	12/14/2006	98
7	2347	8 7/8	613.80	Y	12/16/2006	448
4 1/2	4810	6 1/2	349.70	N	12/21/2006	

Tubing Size
2 3/8

Footage
4,603.55

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Sandy Shale	0.00	20.00	20.00
Sand Stone	20.00	140.00	120.00
Sandy Shale	140.00	205.00	65.00
Coal	205.00	206.00	1.00
Sandy Shale	206.00	250.00	44.00
Coal	250.00	251.00	1.00
Sand Stone	251.00	295.00	44.00
Coal	295.00	296.00	1.00
Sandy Shale	296.00	384.00	88.00
Coal	384.00	385.00	1.00
Sand Stone	385.00	570.00	185.00
Coal	570.00	571.00	1.00
Sand Stone	571.00	625.00	54.00
Sandy Shale	625.00	835.00	210.00
Coal	835.00	836.00	1.00
Sand Stone	836.00	880.00	44.00
Sandy Shale	880.00	945.00	65.00
Coal	945.00	946.00	1.00
Sand Stone	946.00	1,000.00	54.00
Sandy Shale	1,000.00	1,045.00	45.00
Coal	1,045.00	1,046.00	1.00
Sand Stone	1,046.00	1,145.00	99.00
Sandy Shale	1,145.00	1,230.00	85.00
Coal	1,230.00	1,231.00	1.00
Sand Stone	1,231.00	1,450.00	219.00
Coal	1,450.00	1,451.00	1.00
Sandy Shale	1,451.00	1,540.00	89.00
Sand Stone	1,540.00	1,710.00	170.00
Coal	1,710.00	1,711.00	1.00
Sandy Shale	1,711.00	1,835.00	124.00
Coal	1,835.00	1,836.00	1.00
Sand Stone	1,836.00	1,980.00	144.00
Sandy Shale	1,980.00	2,085.00	105.00
Coal	2,085.00	2,086.00	1.00
Sandy Shale	2,086.00	2,150.00	64.00
Coal	2,150.00	2,151.00	1.00
Sand Stone	2,151.00	2,340.00	189.00
Base LEE	2,226.00	0.00	0.00
Red Rock	2,340.00	2,355.00	15.00
Sandy Shale	2,355.00	2,716.00	361.00
RVCF	2,716.00	2,724.00	8.00
AVIS	2,784.00	2,814.00	30.00
MXTN	3,124.00	0.00	0.00
LLIM	3,518.00	3,586.00	68.00
BGLM	3,586.00	4,062.00	476.00
WEIR	4,062.00	4,306.00	244.00

WEIR Sh	4,306.00	4,548.00	242.00
SNBY	4,548.00	4,618.00	70.00
BEREA	4,618.00	4,642.00	24.00
CLEV	4,642.00	4,760.00	118.00
TLB	4,760.00	0.00	0.00
TD	4,870.00	0.00	0.00