



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: 398
 Company: Equitable Production Company
 File Number: DI-1638
 Operations Name: V-536778 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 1/15/2007 Drilling Contractor: Gasco
 Date drilling completed: 1/20/2007 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 5,565
 Log Total Depth (feet): 5,565 Formation At Total Depth LOWER HURON

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

Permitted State Plane X: 847,402 Final Plat State Plane X: 847,401
 Permitted State Plane Y: 298,383 Final Plat State Plane Y: 298,385

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 536778	V-536778 final plat .tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
340	wet	
70	1/2-3/4	INCH

Salt Water At:

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

Coal Seams

List of Attached Items:

Description	FileName
Coal Seams 536778	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas & Oil Shows 536778	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 536778	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
csg 536778	Casing Dat1.doc
Tbg 536778	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 536778	Drillers Log.doc

9. Comments

The drillers Log is incomplete. The csg. cmt. to surface needs to be in a separate column.
completed drillers log & updated cmt csg KT 06/21

10. Signature

Permitee: Equitable Production Company Date: 6/25/2007 (Company)

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

INTERNAL USE ONLY

Submit Date: 6/25/2007

Status: Inspr Approved

Date: 6/27/2007

Final PDF Date: 7/6/2007

TOTAL UNIT AREA
= 112.69 ACRES

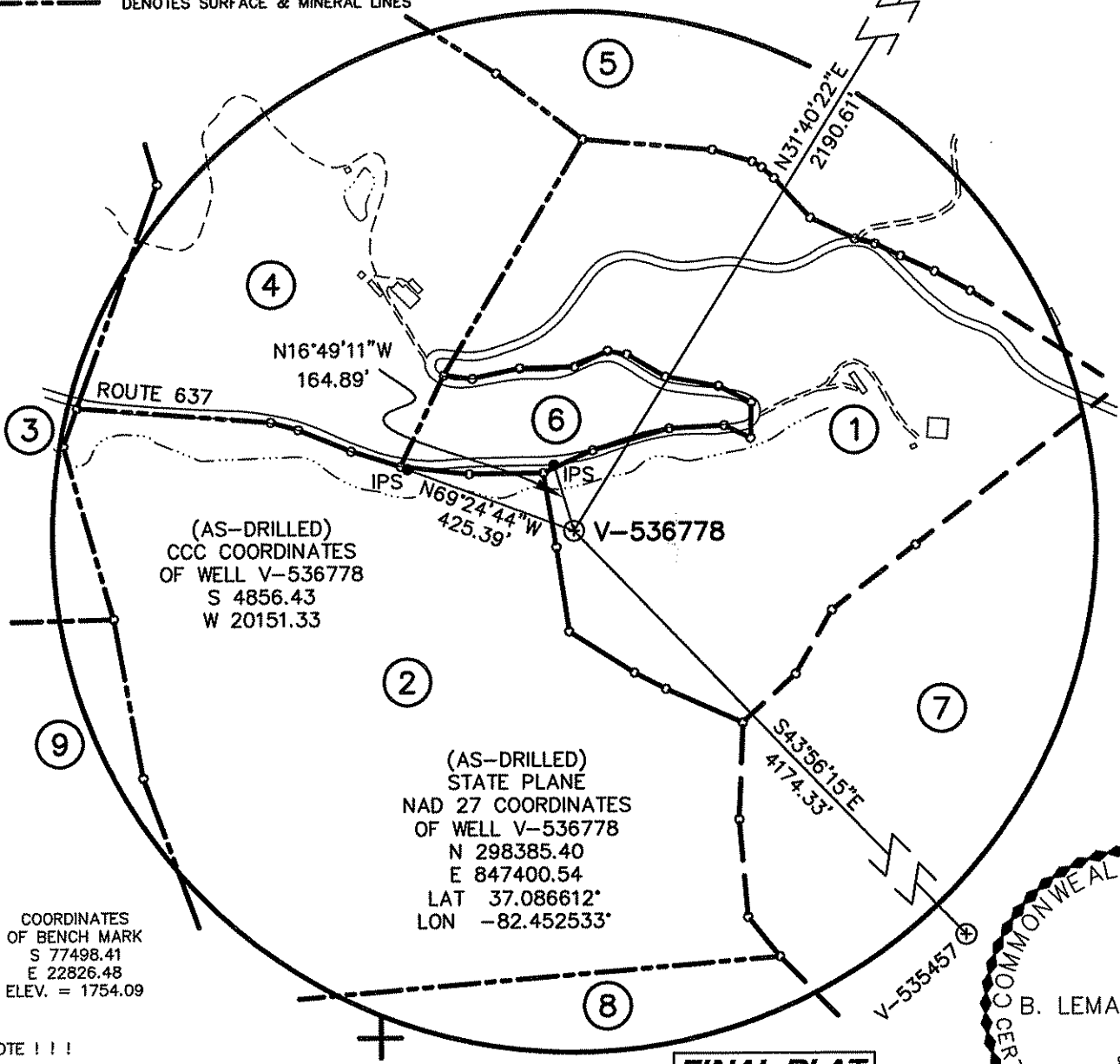
10461'

LATITUDE 37°07'30"

NOTE !!
SEE WELL PLAT SUPPLEMENT
SHEET 2 FOR TRACT INFORMATION.

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

LONGITUDE 82°25'00"

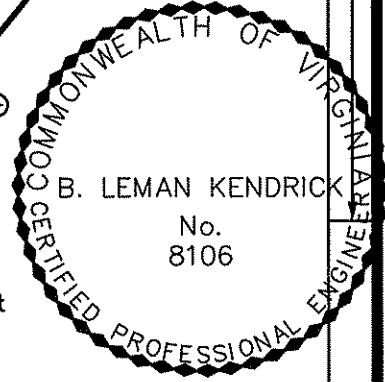


COORDINATES OF BENCH MARK
S 77498.41
E 22826.48
ELEV. = 1754.09

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.

FINAL PLAT

The undersigned hereby certifies that the final location is within ten (10) feet of the location shown on the well plat dated September 21, 2006.



WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-536778

TRACT No. LEASE No. 906496 ELEVATION 1938.78 (GPS) QUADRANGLE CANEY RIDGE

COUNTY DICKENSON DISTRICT KENADY SCALE: 1" = 400' DATE JANUARY 16, 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. Lemman Kendrick 1/16/07

LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR (AFFIX SEAL)

X:\2007 Project Design\8157 V-536778\Drawn\8157 AS-D.dwg

①

LEASE No. 906496
JOHNNY RAY MULLINS
29.49 ACRES
JOHNNY RAY MULLINS - surface, coal, oil & gas
GAS 25.75 AC. 22.85%

②

LEASE No. 906497
WELFORD DOTSON
36.932 ACRES
LEATHA JUNE STANLEY - surface
WELFORD DOTSON - life estate in surface
WELFORD DOTSON - coal, oil & gas
GAS 36.91 AC. 32.75%

③

LEASE No. 906499
M.N. & EDNA WALLEN HEIRS
33.62 ACRES
M.N. & EDNA WALLEN HEIRS - surface, oil & gas
LEASE No. 904576L / DI-44
JOSEPH B. STANLEY
400.451 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 1.00 AC. 0.89%

④

LEASE No. 906498
WELFORD DOTSON
24.909 ACRES
WELFORD DOTSON - surface, coal, oil & gas
GAS 16.73 AC. 14.85%

⑤

LEASE No. 241493L
STEINMAN DEVELOPMENT COMPANY
200.00 ACRES
STEINMAN DEVELOPMENT COMPANY - coal, oil & gas
GAS 8.66 AC. 7.68%

⑥

UNLEASED
ARCUS BLAINE REDDEN
3.47 ACRES
ARCUS BLAINE REDDEN - surface, coal, oil & gas
GAS 3.47 AC. 3.08%

⑦

LEASE No. 241490 / T-665
A.J. MULLINS
699.65 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC. - oil & gas
GAS 15.35 AC. 13.62%


⑧

LEASE No. 906500
WALKER & BARBARA HALSAPPLE
20.39 ACRES
WALKER & BARBARA HALSAPPLE - surface, oil & gas
LEASE No. 904576L / DI-23
P.H. KENNEDY
45.695 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 3.64 AC. 3.23%

⑨

UNLEASED
J.L. WALLEN HEIRS
35.00 ACRES
J.L. WALLEN HEIRS - surface, oil & gas
LEASE No. 904576L / DI-44
JOSEPH B. STANLEY
400.451 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 1.18 AC. 1.05%

X:\2007 Project Design\8157_V-53677\kwa\8157_AS-D.dwg


THOMPSON & LITTON
312 Clintwood Main Street
Suite 201
P.O. Box 1869
Clintwood, Virginia 24228

EQUITABLE PRODUCTION COMPANY
WELL No. V-536778
WELL PLAT SUPPLEMENT
SHEET 2

PROJECT No.:
V-536778
SCALE: 1" = 400'
DATE: JANUARY 16, 2007

**Coal Seams & Open
Mines**

<u>Type</u>	<u>From</u>
Coal	85'-86',170'-71',250'-51',315'- 16',530'-31'
Coal	685'-86',795'-96',985'- 86',1170'-71',1330'-31'
Coal	1510'-11',1850'-51',2025'-26'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
2,687	TSTM
3,254	TSTM
4,040	TSTM
4,450	TSTM
4,629	TSTM

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
197	1/4
384	1/4
574	1/4
763	1/4
953	1/4
1,141	1/4
1,331	1/4
1,520	1/4
1,709	1/4
1,899	1/4
2,088	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	21	15				
9 5/8	314	12 1/4	157.30	y	01/15/2007	94
7	2127	8 7/8	453.90	y	01/17/2007	363
4 1/2	5535	6 1/2	538.00	n	01/20/2007	

Tubing Size
2 3/8

Footage
5,365.90

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Sand Stone	0.00	15.00	15.00
Sandy Shale	15.00	85.00	70.00
Coal	85.00	86.00	1.00
Sandy Shale	86.00	100.00	14.00
Sand Stone	100.00	160.00	60.00
Sandy Shale	160.00	170.00	10.00
Coal	170.00	171.00	1.00
Sand Stone	171.00	250.00	79.00
Coal	250.00	251.00	1.00
Sandy Shale	251.00	315.00	64.00
Coal	315.00	316.00	1.00
Sand Stone	316.00	340.00	24.00
Sandy Shale	340.00	530.00	190.00
Coal	530.00	531.00	1.00
Sandy Shale	531.00	540.00	9.00
Sand Stone	540.00	685.00	145.00
Coal	685.00	686.00	1.00
Coal	795.00	796.00	1.00
Sandy Shale	796.00	985.00	189.00
Coal	985.00	986.00	1.00
Sand Stone	986.00	1,170.00	184.00
Coal	1,170.00	1,171.00	1.00
Sandy Shale	1,171.00	1,330.00	159.00
Coal	1,330.00	1,331.00	1.00
Sand Stone	1,331.00	1,510.00	179.00
Coal	1,510.00	1,511.00	1.00
Sandy Shale	1,511.00	1,605.00	94.00
Sand Stone	1,605.00	1,850.00	245.00
Coal	1,850.00	1,851.00	1.00
Sandy Shale	1,851.00	1,910.00	59.00
Sand Stone	1,910.00	2,025.00	115.00
Coal	2,025.00	2,026.00	1.00
Base LEE	2,064.00	0.00	0.00
RVCF	2,600.00	2,648.00	48.00
AVIS	2,648.00	2,686.00	38.00
MXTN	2,978.00	3,408.00	430.00
LLIM	3,408.00	3,472.00	64.00
BGLM	3,472.00	4,026.00	554.00
WEIR	4,026.00	4,234.00	208.00
WEIR Sh	4,234.00	4,476.00	242.00
SNBY	4,476.00	4,549.00	73.00
BEREA	4,549.00	4,618.00	69.00
CLEV	4,618.00	4,704.00	86.00
TLB	4,704.00	4,874.00	170.00
UHRN	4,874.00	4,913.00	39.00
MHRN	4,913.00	5,252.00	339.00

LHRN	5,252.00	5,466.00	214.00
OLNG	5,466.00	5,565.00	99.00