



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: 143
 Company: Equitable Production Company
 File Number: DI-1489
 Operations Name: V-536777 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 6/9/2006 Drilling Contractor: Gasco
 Date drilling completed: 6/15/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 5,465
 Log Total Depth (feet): 5,481 Formation At Total Depth: Olentangy

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

Permitted State Plane X: 848,624 Final Plat State Plane X: 848,628
 Permitted State Plane Y: 300,196 Final Plat State Plane Y: 300,200

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
final plat 536777	V-536777 final plat.tif

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
104	1/4	INCH

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
1,932	1/4	INCH

Coal Seams

List of Attached Items:

Description	FileName
coal seam 536777	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
gas shows 536777	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 536777	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
csg 536777	Casing Data.doc
tbg 536777	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
driller's log 536777	Drillers Log.doc

9. Comments

Kathy w/ Erex called and asked this be rejected as the plat was not attached.

10. Signature

Permitee: Equitable Production Company Date: 4/2/2007 (Company)

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

INTERNAL USE ONLY

Submit Date: 4/2/2007

Status: Inspr Approved

Date: 4/2/2007

Final PDF Date: 4/3/2007

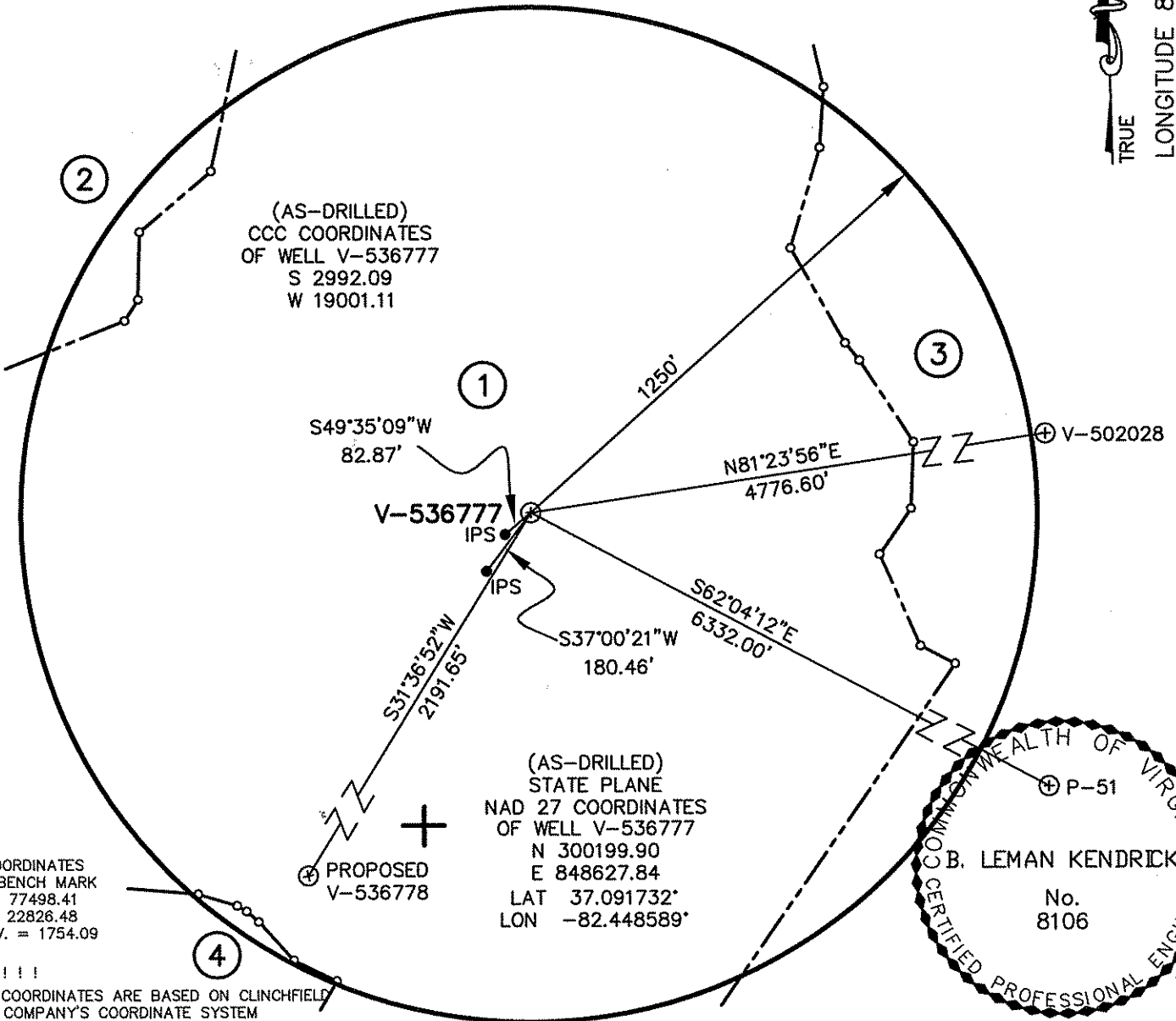
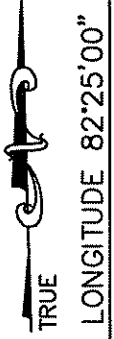
TOTAL UNIT AREA
= 112.69 ACRES

FINAL PLAT

LATITUDE 37°07'30"

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

The undersigned hereby certifies that the final location is within ten (10) feet of the location shown on the well plat dated NOVEMBER 17, 2005.



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.

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

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WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-536777
TRACT No. LEASE NO. 241493L ELEVATION 1925.42 (GPS) QUADRANGLE CANEY RIDGE
COUNTY DICKENSON DISTRICT KENADY SCALE: 1" = 400' DATE JUNE 15, 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. Leman Kendrick 6/15/06 (AFFIX SEAL)
LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR

①

LEASE No. 241493L
STEINMAN DEVELOPMENT CO.
200.00 ACRES
FREDDIE DOTSON 1/2 INTEREST;
GARY DOTSON 1/2 INTEREST;
JUSTINE DOTSON LIFE ESTATE -
surface
STEINMAN DEVELOPMENT CO. -
coal, oil & gas
GAS 97.95 AC. 86.92%

②

LEASE No. 241561L
THE BROWN FAMILY TRUST
240.00 ACRES
THE BROWN FAMILY TRUST - surface, coal, oil & gas
GAS 1.50 AC. 1.33%

③

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 12.99 AC. 11.53%

④

UNLEASED
JOHNNY RAY MULLINS
29.49 ACRES
JOHNNY RAY MULLINS - surface, coal, oil & gas
GAS 0.25 AC. 0.22%

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THOMPSON & LITTON

40 Main Street
P.O. Box 1869
Clintwood, Virginia 24228

EQUITABLE PRODUCTION COMPANY
V-536777
WELL PLAT SUPPLEMENT
SHEET 2

PROJECT No.:
8156 PLAT

SCALE: 1" = 400'

DATE: JUNE 15, 2006

Coal Seams & Open Mines

<u>Type</u>	<u>From</u>
Coal	210'-11',275'-76',380'-81',780'-83',1120'-21',
Coal	1403'-04',1660'-61'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
2,045	TSTM
3,022	No Show
3,964	TSTM
4,948	TSTM
5,465	TSTM

Survey Results

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
199	1/4
417	1/4
604	1/4
794	1/4
1,013	1/2
1,199	1/2
1,409	1/2
1,598	1/2
1,807	1/2
2,045	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented Cement Baskets
16	19	17 1/2			
11 3/4	314	15	224.20	06/10/2006	94
7	1994	8 7/8	531.00	06/12/2006	360
4 1/2	5437	6 1/2	519.17	06/14/2006	

Tubing Size
2 3/8

Footage
5,307.15

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Base LEE	1,978.00	2,556.00	578.00
RVCF	2,556.00	2,586.00	30.00
AVIS	2,586.00	2,932.00	346.00
MXTN	2,932.00	0.00	0.00
LLIM	3,358.00	3,414.00	56.00
BGLM	3,414.00	3,964.00	550.00
WEIR	3,964.00	4,188.00	224.00
WEIR Sh	4,188.00	4,424.00	236.00
SNBY	4,424.00	4,493.00	69.00
BEREA	4,493.00	4,578.00	85.00
CLEV	4,578.00	4,648.00	70.00
TLB	4,648.00	4,780.00	132.00
UHRN	4,780.00	4,820.00	40.00
MHRN	4,820.00	5,186.00	366.00
LHRN	5,186.00	5,366.00	180.00
OLNG	5,366.00	5,465.00	99.00