



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: 435
 Company: Equitable Production Company
 File Number: DI-1634
 Operations Name: V-537538 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 2/1/2007 Drilling Contractor: Gasco
 Date drilling completed: 2/6/2007 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 5,780
 Log Total Depth (feet): 5,802 Formation At Total Depth LOWER HURON

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

Permitted State Plane X 845,116 Final Plat State Plane X: 845,113
 Permitted State Plane Y: 296,910 Final Plat State Plane Y: 296,908

Plat Previously Submitted Or...

List of Attached Items:

| Description | FileName |
|-------------------|-------------------------|
| Final Plat 537538 | V-537538 final plat.tif |

3. Geological Data

Fresh Water At:

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

Salt Water At:

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

Coal Seams

List of Attached Items:

| Description | FileName |
|-------------------|----------------|
| Coal Seams 537538 | Coal Seams.doc |

Gas and Oil Shows

List of Attached Items:

| Description | FileName |
|------------------------|-----------------------|
| Gas & Oil Shows 537538 | 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 537538 | Survey Results.doc |

6. Casing and Tubing Program

List of Attached Items:

| Description | FileName |
|-------------|------------------------|
| csg 537538 | Casing Dat1 537538.doc |
| Tbg 537538 | 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 Log 537538 | Drillers Log.doc |

9. Comments

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

10. Signature

Permitee: Equitable Production Company Date: 7/3/2007 (Company)

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

INTERNAL USE ONLY

Submit Date: 7/3/2007

Status: Inspr Approved

Date: 7/16/2007

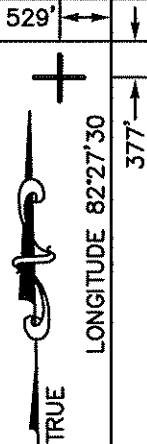
Final PDF Date: 7/16/2007

TOTAL UNIT AREA
= 112.69 ACRES

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

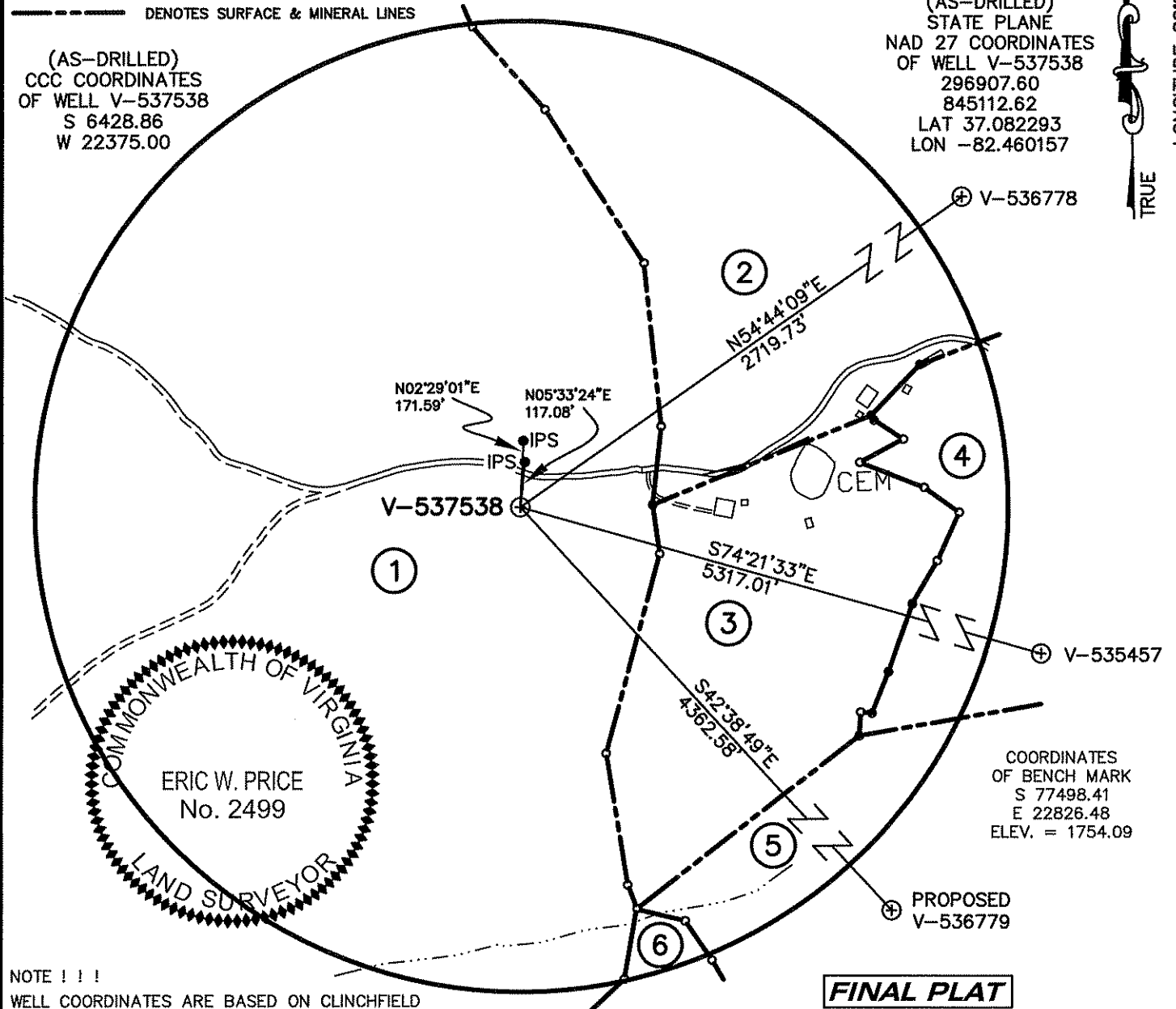
NOTE !!
SEE WELL PLAT SUPPLEMENT
SHEET 2 FOR TRACT INFORMATION.

LATITUDE 37°05'00"



(AS-DRILLED)
CCC COORDINATES
OF WELL V-537538
S 6428.86
W 22375.00

(AS-DRILLED)
STATE PLANE
NAD 27 COORDINATES
OF WELL V-537538
296907.60
845112.62
LAT 37.082293
LON -82.460157



COMMONWEALTH OF VIRGINIA
ERIC W. PRICE
No. 2499
LAND SURVEYOR

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 October 3, 2006.

WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-537538

TRACT No. LEASE NO. 241490L/T-669 ELEVATION 2225.84 (GPS) QUADRANGLE CANEY RIDGE

COUNTY DICKENSON DISTRICT KENADY SCALE: 1" = 400' DATE FEBRUARY 2, 2007

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.

Eric W. Price
_____ 2-2-07

(AFFIX SEAL)

LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR

①

LEASE No. 241490 / T-669
A.B. NICHOLS / R.H. POWERS
460.00 ACRES
HEARTWOOD FORESTLAND FUND IV - surface
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC. - oil & gas
GAS 70.73 AC. - 62.76%

②

LEASE No. 906610
J.L. WALLEN HEIRS
35.00 ACRES
J.L. WALLEN HEIRS - surface, oil & gas
LEASE No. 904576L DI-44
JOSEPH B. STANLEY
400.45 ACRES
DICKENSON-RUSSELL COAL COMPANY,
LLC/ALPHA LAND & RESERVES,
LLC/ACIN, LLC/WBRD, LLC - coal
GAS 17.49 AC. - 15.52%

③

UNLEASED
L. C. & DEBBIE HILL
19.00 ACRES
L. C. & DEBBIE HILL - surface, oil & gas
LEASE No. 904576L DI-44/DI-24
JOSEPH B. STANLEY/P.H. KENNEDY
400.45 ACRES/154.349 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 14.67 AC. - 13.02%

④

UNLEASED
MARGIE CARTY
12.85 ACRES
MARGIE CARTY - surface, oil & gas
LEASE No. 904576L DI-44/DI-24
JOSEPH B. STANLEY/P.H. KENNEDY
400.45 ACRES/154.349
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 5.05 AC. - 4.48%

⑤

UNLEASED
ALBERT R. & GENEVA STANLEY HEIRS - oil & gas
±46.00 ACRES
DENNIS RATLIFF, et al - surface
LEASE No. 904576L DI-24
P. H. KENNEDY
154.349 ACRE
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 4.19 AC. - 3.72%

⑥

LEASE No. 906656
LESLIE VERL STANLEY, et al - oil & gas
11.15 ACRES
JAMES WESLEY BLEVINS, Sr. - surface
LEASE No. 904576L DI-24/DI-10
P.H. KENNEDY/JESSEE DAVIS
154.349 ACRES/128.026 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 0.56 AC. - 0.50%



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

EQUITABLE PRODUCTION COMPANY
WELL No. V-537538
WELL PLAT SUPPLEMENT
SHEET 2

PROJECT No.:
8740 PLAT.DWG

SCALE: 1" = 400'

DATE: FEBRUARY 2, 2007

| |
|--|
| Coal Seams & Open Mines |
|--|

Type

Coal

Coal

Coal

From

204'-05',345'-46',380'-

81',530'-31',730'-31'

764'-95',855'-56',920'-

21',1040'-41',1420'-21'

1590'-91',1640'-41',2015'-

16',2230'-31'

| |
|--------------------------|
| Gas and Oil Shows |
|--------------------------|

Gas Tests

| <u>Depth</u> | <u>Remarks</u> |
|--------------|----------------|
| 2,939 | TSTM |
| 4,252 | TSTM |
| 4,847 | 593 MCF/D |
| 5,780 | 593 MCF/D |

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 |
| 1,142 | 1/4 |
| 1,331 | 1/4 |
| 1,521 | 1/4 |
| 1,710 | 1/4 |
| 1,899 | 1/4 |
| 2,089 | 1/2 |
| 2,279 | 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 | 147.50 | y | 02/01/2007 | 94 |
| 7 | 2347 | 8 7/8 | 509.10 | y | 02/03/2007 | 352 |
| 4 1/2 | 5742 | 6 1/2 | 497.65 | n | 02/06/2007 | |

Tubing Size
2 3/8

Footage
5,647.25

Drillers
Log

| <u>Formation Name</u> | <u>Depth Top</u> | <u>Depth Bottom</u> | <u>Formation Thickness</u> |
|------------------------------|-------------------------|----------------------------|-----------------------------------|
| | 0.00 | 0.00 | 0.00 |
| OverBurden | 0.00 | 3.00 | 3.00 |
| sandstone | 3.00 | 100.00 | 97.00 |
| Sandy Shale | 100.00 | 204.00 | 104.00 |
| Coal | 204.00 | 205.00 | 1.00 |
| sandstone | 205.00 | 345.00 | 140.00 |
| Coal | 345.00 | 345.00 | 0.00 |
| Sandy Shale | 346.00 | 380.00 | 34.00 |
| Coal | 380.00 | 381.00 | 1.00 |
| sandstone | 381.00 | 420.00 | 39.00 |
| Sandy Shale | 420.00 | 530.00 | 110.00 |
| Coal | 530.00 | 531.00 | 1.00 |
| sandstone | 531.00 | 575.00 | 44.00 |
| Sandy Shale | 575.00 | 730.00 | 155.00 |
| Coal | 730.00 | 731.00 | 1.00 |
| Sandy Shale | 731.00 | 794.00 | 63.00 |
| Coal | 794.00 | 795.00 | 1.00 |
| Sandy Shale | 795.00 | 825.00 | 30.00 |
| sandstone | 825.00 | 855.00 | 30.00 |
| Coal | 855.00 | 856.00 | 1.00 |
| sandstone | 856.00 | 890.00 | 34.00 |
| Sandy Shale | 890.00 | 920.00 | 30.00 |
| Coal | 920.00 | 921.00 | 1.00 |
| Sandy Shale | 921.00 | 1,040.00 | 119.00 |
| Coal | 1,040.00 | 1,041.00 | 1.00 |
| sandstone | 1,041.00 | 1,135.00 | 94.00 |
| Sandy Shale | 1,135.00 | 1,265.00 | 130.00 |
| sandstone | 1,265.00 | 1,420.00 | 155.00 |
| Coal | 1,420.00 | 1,421.00 | 1.00 |
| Sandy Shale | 1,421.00 | 1,590.00 | 169.00 |
| Coal | 1,590.00 | 1,591.00 | 1.00 |
| sandstone | 1,591.00 | 1,640.00 | 49.00 |
| Coal | 1,640.00 | 1,641.00 | 1.00 |
| Sandy Shale | 1,641.00 | 1,770.00 | 129.00 |
| sandstone | 1,770.00 | 2,015.00 | 245.00 |
| Coal | 2,015.00 | 2,016.00 | 1.00 |
| Sandy Shale | 2,016.00 | 2,230.00 | 214.00 |
| Coal | 2,230.00 | 2,231.00 | 1.00 |
| sandstone | 2,231.00 | 2,310.00 | 79.00 |
| Sandy Shale | 2,310.00 | 2,836.00 | 526.00 |
| RVCF | 2,836.00 | 2,916.00 | 80.00 |
| AVIS | 2,916.00 | 2,966.00 | 50.00 |
| MXTN | 3,254.00 | 3,683.00 | 429.00 |
| LLIM | 3,683.00 | 3,750.00 | 67.00 |
| BGLM | 3,750.00 | 4,281.00 | 531.00 |
| WEIR | 4,281.00 | 4,486.00 | 205.00 |

| | | | |
|---------|----------|----------|--------|
| WEIR Sh | 4,486.00 | 4,726.00 | 240.00 |
| SNBY | 4,726.00 | 4,803.00 | 77.00 |
| BEREA | 4,803.00 | 4,846.00 | 43.00 |
| CLEV | 4,846.00 | 4,962.00 | 116.00 |
| TLB | 4,962.00 | 5,111.00 | 149.00 |
| UHRN | 5,111.00 | 5,157.00 | 46.00 |
| MHRN | 5,157.00 | 5,598.00 | 441.00 |
| LHRN | 5,598.00 | 5,695.00 | 97.00 |
| OLNG | 5,695.00 | 5,780.00 | 85.00 |