



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: 312
 Company: Equitable Production Company
 File Number: DI-1556
 Operations Name: V-536394 W/PL
 Operation Type: Gas/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 10/5/2006 Drilling Contractor: Gasco
 Date drilling completed: 10/13/2006 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 5,253
 Log Total Depth (feet): 5,256 Formation At Total Depth: Cleveland Shale

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

Permitted State Plane X: 921,792 Final Plat State Plane X: 921,787
 Permitted State Plane Y: 309,677 Final Plat State Plane Y: 309,674

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
final plat 536394	V-536394 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 536394	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
gas & oil shows 536394	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	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Csg 536394	Casing Data.doc
tbg 536394	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 536394	Drillers Log.doc

9. Comments

Revise drilling complete date
the plat is for a different well
Verify if 4 1/2" casing was cemented to surface
The driller's log should start at the surface
Inspector meant to reject this but accidentally approved, please comply with comments and re-submit.
corrected drilling complete date and added correct plat KT 06/18
The plat is for 536364 not 536394 please submit again

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: <u>6/26/2007</u>	
Status: <u>Inspr Approved</u>	Date: <u>6/27/2007</u>
Final PDF Date: <u>7/3/2007</u>	



Cloverleaf Square, Building B
Big Stone Gap, VA 24219
www.eqt.com

TEL 276.523.5003
FAX 276.523.7852 Operations
276.523.7857 Land

October 12, 2006

Mr. Bob Wilson, Director
Commonwealth of Virginia
Department of Mines, Minerals and Energy
Division of Gas and Oil
P.O. Box 1416
Abingdon, Virginia 24212

RE: Drilled Well Number V-536394 Final Plat.

Dear Mr. Wilson:

Pursuant to Gas and Oil Regulations 4 VAC 25-150-360,C, please find attached the "FINAL WELL LOCATION PLAT" for the above referenced EPC well V-536394 dated October 5, 2006.

Should you have any questions or need additional information, contact me at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "George B. Heflin".

George B. Heflin, CPL
Regional Land Manager

Enclosures

Cc: Kathy Tawney
Susie Peters
Natalie Anderson
Plat Book

TOTAL UNIT AREA
= 112.69 ACRES

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

FINAL PLAT

The undersigned hereby certifies that the final location is within ten (10) feet of the location shown on the well plat dated February 27, 2006.

9489'

LATITUDE 37°10'00"

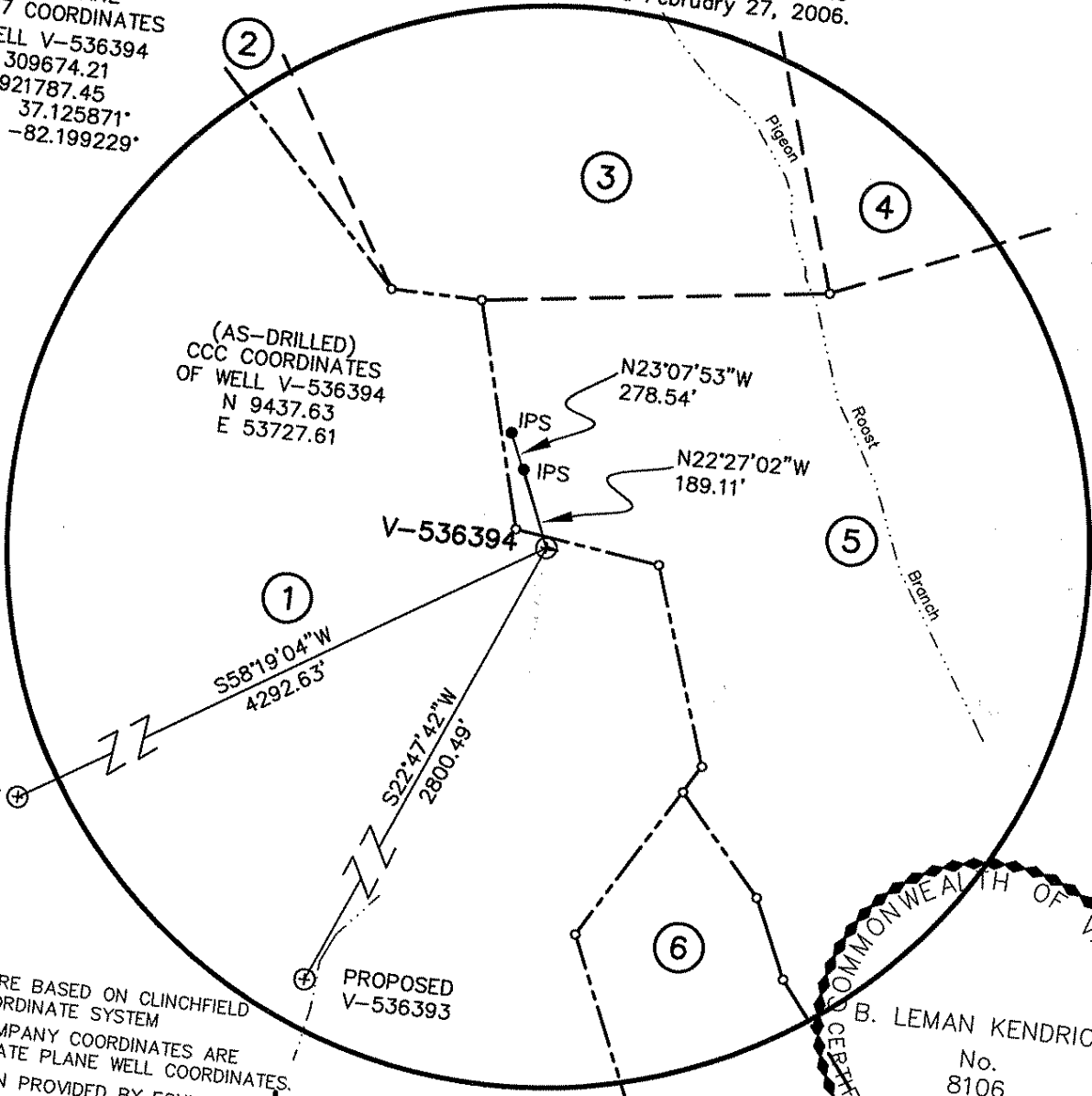
LONGITUDE 82°10'00"

(AS-DRILLED)
STATE PLANE
NAD 27 COORDINATES
OF WELL V-536394
N 309674.21
E 921787.45
LAT 37.125871°
LON -82.199229°

(AS-DRILLED)
CCC COORDINATES
OF WELL V-536394
N 9437.63
E 53727.61

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.



COMMONWEALTH OF VIRGINIA
B. LEMAN KENDRICK
No. 8106
CERTIFIED PROFESSIONAL ENGINEER

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

COMPANY Equitable Production Company WELL LOCATION PLAT
 ACT No. LEASE NO. 241490L/T-313 WELL NAME AND NUMBER V-536394
 COUNTY DICKENSON DISTRICT SANDLICK ELEVATION 1895.76 (GPS)
 QUADRANGLE PRATER
 THIS PLAT IS A NEW PLAT ; AN UPDATED PLAT ; OR A FINAL LOCATION PLAT X
 PROPOSED TOTAL DEPTH OF WELL = SCALE: 1" = 400' DATE OCTOBER 5, 2006
 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.
 LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR B. Lemman Kendrick 10/5/06 (AFFIX SEAL)

1
LEASE No. 241490 / T-313
JOHN KISER HEIRS
1874.41 ACRES
HEARTWOOD FORESTLAND FUND IV, LP - surface
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC. - oil & gas
GAS 53.46 AC. 47.44%

2

LEASE No. 241490 / T-2063
A. H. COMPTON
123.00 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC. - oil & gas
GAS 0.75 AC. 0.66%

3

LEASE No. 241640 / T2-235
L.D.R. OWENS
47.00 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC. - oil & gas
GAS 15.58 AC. 13.83%

4

LEASE No. 241490 / T-309
ANCIL JOHNSON
246.00 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
PINE MOUNTAIN OIL & GAS, INC. - oil & gas
GAS 2.95 AC. 2.62%

5

LEASE No. 906403
CLEMON L. & GLORIA O. JACKSON - (remainder) surface, oil & gas
DEWEY E. O'QUINN (life estate)
81.00 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 35.17 AC. 31.21%

6

LEASE No. 906461
CARL & LINDA GILBERT - surface, oil & gas
20.75 ACRES
DICKENSON-RUSSELL COAL COMPANY, LLC/ALPHA
LAND & RESERVES, LLC/ACIN, LLC/WBRD, LLC - coal
GAS 4.78 AC. 4.24%



THOMPSON & LITTON

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

EQUITABLE PRODUCTION COMPANY
WELL No. V-536394
WELL PLAT SUPPLEMENT
SHEET 2

PROJECT No.:
8391 AS-D

SCALE: 1" = 400'

DATE: OCTOBER 5, 2006

Coal Seams & Open Mines
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Type

Coal

Coal

Coal

Coal

From

90'-91',315'-16',340'-41',410'-11',610'-11'

760'-61',1045'-46',1170'-71',1235'-36',1260'-61'

1420'-21',1500'-01',1565'-66',1695'-96',1835'-36'

2080'-81'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
3,282	TSTM
3,564	TSTM
3,990	419 MCFD
4,409	419 MCFD

Survey Results

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
196	1/4
383	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	1/2
1,900	1/2
2,089	1/2

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
16	30	17 1/2				
11 3/4	331	15	224.20	Y	10/04/2006	70
7	2174	8 7/8	577.00	Y	10/09/2006	397
4 1/2	5193	6 1/2	484.20	N	10/12/2006	

Tubing Size
2 3/8

Footage
5,002.00

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
OverBurden	0.00	5.00	5.00
sandstone	5.00	90.00	85.00
Coal	90.00	91.00	1.00
Sandy Shale	91.00	110.00	19.00
sandstone	110.00	215.00	105.00
Sandy Shale	215.00	280.00	65.00
sandstone	280.00	315.00	35.00
Coal	315.00	316.00	1.00
Sandy Shale	316.00	340.00	24.00
Coal	340.00	341.00	1.00
sandstone	341.00	410.00	69.00
Coal	410.00	411.00	1.00
Sandy Shale	411.00	524.00	113.00
sandstone	524.00	610.00	86.00
Coal	610.00	611.00	1.00
Sandy Shale	611.00	760.00	149.00
Coal	760.00	761.00	1.00
sandstone	761.00	1,045.00	284.00
Coal	1,045.00	1,046.00	1.00
Sandy Shale	1,046.00	1,170.00	124.00
Coal	1,170.00	1,171.00	1.00
Sandy Shale	1,171.00	1,235.00	64.00
Coal	1,235.00	1,236.00	1.00
Sandy Shale	1,236.00	1,260.00	24.00
Coal	1,260.00	1,261.00	1.00
sandstone	1,261.00	1,330.00	69.00
Sandy Shale	1,330.00	1,420.00	90.00
Coal	1,420.00	1,421.00	1.00
sandstone	1,421.00	1,500.00	79.00
Coal	1,500.00	1,501.00	1.00
Sandy Shale	1,501.00	1,565.00	64.00
Coal	1,565.00	1,566.00	1.00
Sandy Shale	1,566.00	1,695.00	129.00
Coal	1,695.00	1,696.00	1.00
sandstone	1,696.00	1,835.00	139.00
Coal	1,835.00	1,836.00	1.00
Sandy Shale	1,836.00	2,074.00	238.00
Base LEE	2,074.00	2,726.00	652.00
RVCF	2,726.00	2,786.00	60.00
AVIS	2,786.00	2,842.00	56.00
MXTN	3,116.00	3,682.00	566.00
LLIM	3,682.00	3,740.00	58.00
BGLM	3,740.00	4,393.00	653.00
WEIR	4,393.00	4,668.00	275.00
WEIR Sh	4,668.00	5,019.00	351.00
SNBY	5,019.00	5,048.00	29.00

BEREA	5,048.00	5,074.00	26.00
CLEV	5,074.00	5,253.00	179.00