



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: 622  
Company: Equitable Production Company  
File Number: WS-0782  
Operations Name: V-535962 W/PL  
Operation Type: Gas/Pipeline  
Drilling Report Type: Original

### DRILLING REPORT (DGO-GO-14)

#### 1. Drilling Data

Date drilling commenced: 1/31/2007      Drilling Contractor: Gasco  
Date drilling completed: 2/6/2007      Rig Type:  Rotary     Cable Tool  
Driller's Total Depth (feet): 6,362  
Log Total Depth (feet): 6,361      Formation At Total Depth: Olentangy

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

Permitted State Plane X: 872,437      Final Plat State Plane X: 872,431  
Permitted State Plane Y: 240,973      Final Plat State Plane Y: 240,974

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 535962	V-535962 final plat.tif

#### 3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
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Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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**Coal Seams**

List of Attached Items:

Description	FileName
Coal Seams 535962	Coal Seams.doc

**Gas and Oil Shows**

List of Attached Items:

Description	FileName
Gas & Oil Shows 535962	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 535962	Survey Results.doc

**6. Casing and Tubing Program**

List of Attached Items:

Description	FileName
Csg. 535962	Casing Data.doc
Tbg. 535962	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 535962	Drillers Log.doc

**9. Comments**

**10. Signature**

Permitee: Equitable Production Company Date: 8/30/2007 (Company)

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

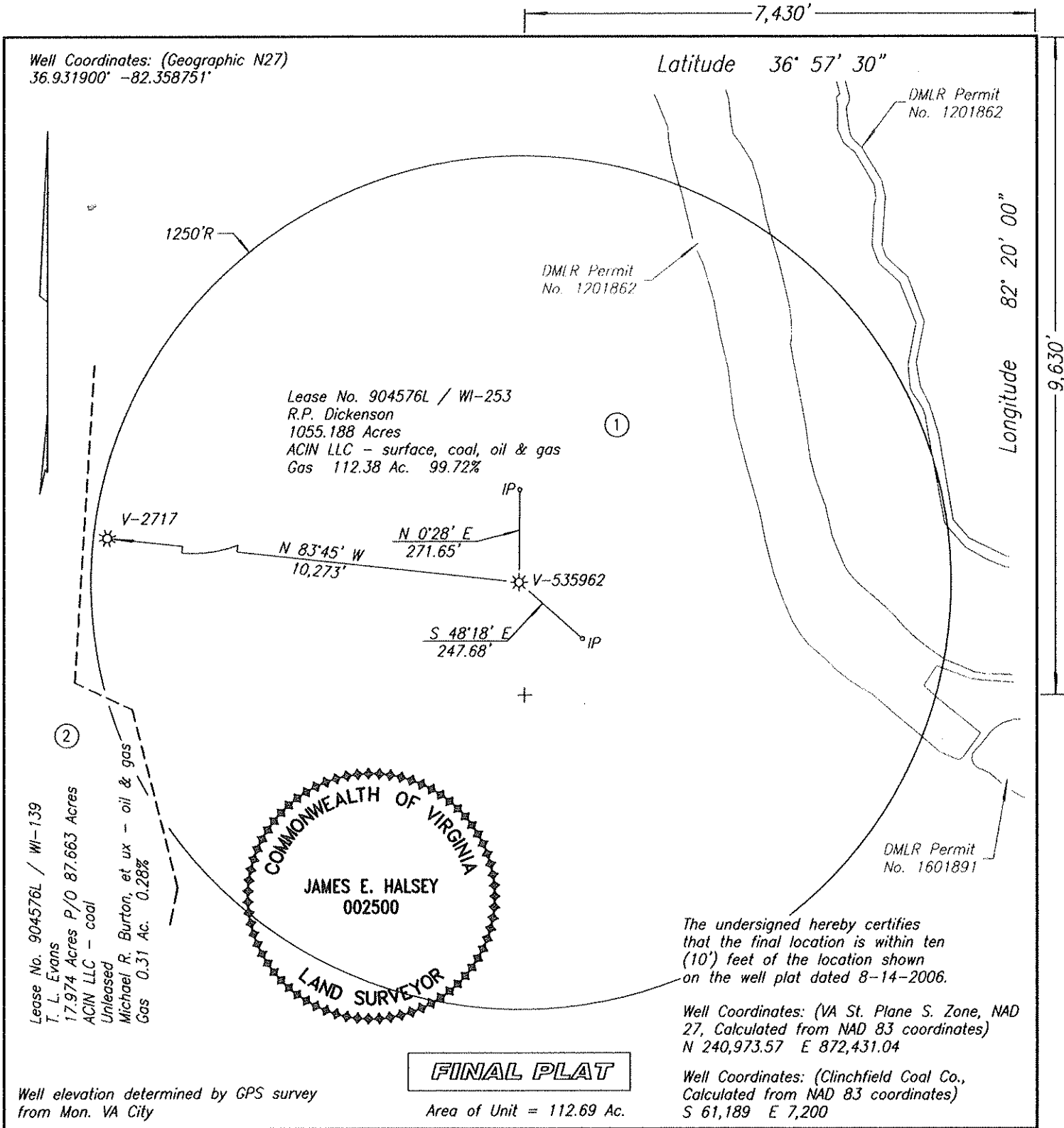
**INTERNAL USE ONLY**

Submit Date: 8/30/2007

Status: Inspr Approved

Date: 8/31/2007

Final PDF Date: 8/31/2007



WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-535962  
 TRACT NO. WI-253 ELEVATION 1,891.78' QUADRANGLE St. Paul  
 COUNTY Wise DISTRICT Lipps SCALE 1" = 400' DATE 2-09-2007  
 This Plat is a new plat    ; an updated plat    ; or a final location plat x

+ 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.

James E. Halsey  
 Licensed Professional Engineer or Licensed Land Surveyor

**Coal Seams & Open  
Mines**

**Type**  
Coal

**From**  
156'-58',780'-81',1185'-  
86',1521'-22',1624'-25'

<b>Gas and Oil Shows</b>
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**Gas Tests**

<b><u>Depth</u></b>	<b><u>Remarks</u></b>
154	No Show
200	No Show
400	No Show
600	No Show
800	No Show
1,000	No Show
1,200	No Show
1,400	No Show
1,600	No Show
1,800	No Show
1,904	No Show
2,400	No Show
2,600	No Show
2,800	No Show
3,587	No Show
4,840	TSTM
5,250	TSTM
5,424	TSTM

**Survey  
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
158	0
200	0
400	1/4
600	1/4
800	1/4
1,000	1/4
1,200	1/4
1,400	1/4
1,600	1/2
1,800	1/2
1,904	1/2
2,150	1/4
2,400	1/4
2,600	1/4
2,800	1/4

<b>Casing Data</b>
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Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
12 3/4	31	15				
9 5/8	313	12 1/4	141.60	y	01/31/2007	94
7	1860	8 7/8	397.40	y	02/02/2007	359
4 1/2	6307	6 1/2	618.70	n	02/06/2007	



Tubing Size  
2 3/8

Footage  
6,150.35

**Drillers**  
**Log**

<b><u>Formation Name</u></b>	<b><u>Depth Top</u></b>	<b><u>Depth Bottom</u></b>	<b><u>Formation Thickness</u></b>
OverBurden	0.00	25.00	25.00
Sand Stone	25.00	156.00	131.00
Coal	156.00	158.00	2.00
Sandy Shale	158.00	360.00	202.00
Sand Stone	360.00	458.00	98.00
Streaked Sandys shale	458.00	780.00	322.00
Coal	780.00	781.00	1.00
Streaked Sandys shale	781.00	950.00	169.00
Sand Stone	950.00	1,100.00	150.00
Sandy Shale	1,100.00	1,185.00	85.00
Coal	1,185.00	1,186.00	1.00
Sandy Shale	1,186.00	1,400.00	214.00
Streaked Sandstone	1,400.00	1,521.00	121.00
Coal	1,521.00	1,522.00	1.00
Streaked Sandys shale	1,522.00	1,566.00	44.00
Sand Stone	1,566.00	1,624.00	58.00
Coal	1,624.00	1,625.00	1.00
Sandy Shale	1,625.00	1,690.00	65.00
Sand Stone	1,690.00	1,810.00	120.00
Sandy Shale	1,810.00	1,936.00	126.00
Sand Stone	1,936.00	2,016.00	80.00
Streaked Sandys shale	2,016.00	2,696.00	680.00
RVCF	2,696.00	2,891.00	195.00
AVIS	2,891.00	2,930.00	39.00
MXTN	3,360.00	3,665.00	305.00
LLIM	3,872.00	3,960.00	88.00
BGLM	3,960.00	4,770.00	810.00
WEIR	4,770.00	4,924.00	154.00
WEIR Sh	4,924.00	5,226.00	302.00
SNBY	5,226.00	5,304.00	78.00
BEREA	5,304.00	5,403.00	99.00
LHRN	5,988.00	6,249.00	261.00
OLNG	6,234.00	6,362.00	128.00