



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: 1243
Company: Equitable Production Company
File Number: DI-0419
Operations Name: P-550427
Operation Type: Gas
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 1/14/2008 Drilling Contractor: Gasco
Date drilling completed: 1/19/2008 Rig Type: Rotary Cable
Driller's Total Depth (feet): 5471.00
Log Total Depth (feet): 5491.00 Formation At Total Depth: LOWER HURON

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

Permitted State Plane X: 855377.16 Final Plat State Plane X: 855377.64
Permitted State Plane Y: 326003.20 Final Plat State Plane Y: 326003.76

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 550427	V-550427 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 550427	Coal Seams.doc

Gas and Oil Shows:

List of Attached Items:

Description	FileName
Gas & Oil Shows 550427	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?

5. Survey Results (As required by 4VAC25-150-280.B.2)

List of Attached Items:

Description	FileName
Survey Results 550427	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing 550427	Casing Data.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.

No tubing ran

8. Drillers Log

Compiled By: _____

List of Attached Items:

Description	FileName
Drillers Log 550427	Drillers Log.doc

9. Comments

10. Signature

Permitee: Equitable Production Company Date: 4/16/2008

Signed By: Michael D. Butcher Title: Regional Manager - Drilling

INTERNAL USE ONLY

Submit Date: 4/16/2008

Status: A

Date: 5/2/2008

Final PDF Date: 6/9/2008

TOTAL UNIT AREA
= 18.03 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 DECEMBER 17, 2007.

LATITUDE 37°10'00"

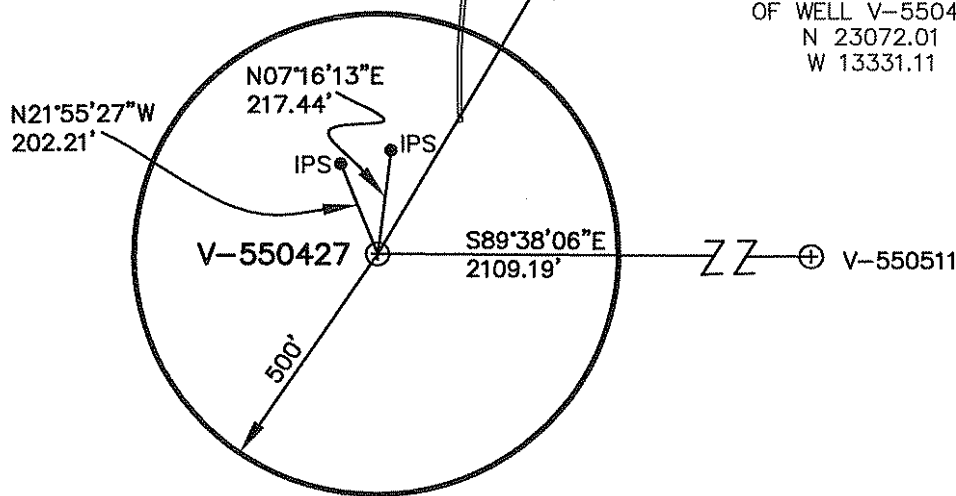
LONGITUDE 82°25'00"



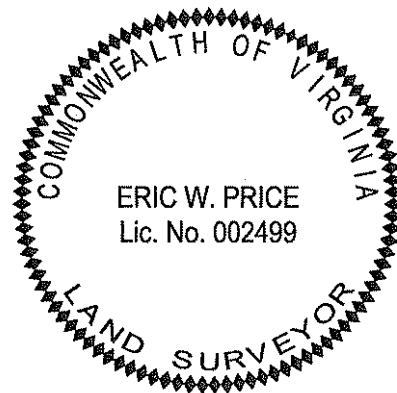
LEASE No. 906621
SOLOMON FLEMING
89.00 ACRES
LARRY MULLINS - surface, oil & gas
DICKENSON-RUSSELL COAL COMPANY,
LLC/ALPHA LAND & RESERVES, LLC/ACIN,
LLC/WBRD, LLC - coal
GAS 18.03 AC. 100.00%

CCC COORDINATES
OF WELL V-550427
N 23072.01
W 13331.11

STATE PLANE
NAD 27 COORDINATES
OF WELL V-550427
N 326003.76
E 855377.64
LAT 37.163318
LON -82.429149



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.

WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-550427
TRACT No. LEASE NO. 906621 ELEVATION 1832.73 (GPS) QUADRANGLE CLINTWOOD
COUNTY DICKENSON DISTRICT CLINTWOOD SCALE: 1" = 400' DATE JANUARY 14, 2008
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.

Eric W. Price 1-14-08 (AFFIX SEAL)
LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR

8871 PLAT.DWG



**Coal Seams & Open
Mines**

Type
Coal

From
257'-58',1008'-09',1188'-
89',1481'-82',

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
197	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
2,000	TSTM
2,200	TSTM
2,403	TSTM
3,124	TSTM
3,844	TSTM
4,369	TSTM
5,471	TSTM

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
197	1/4
400	1/4
600	1/4
800	1/4
1,000	1/4
1,200	1/4
1,400	1/4
1,600	1/4
1,800	1/4
2,000	1/4
2,200	1/4
2,403	1/4

Casing Data

Casing Outside Diameter	Casing Interval	Hole Size	Cement used in Cu. ft.	Cmtd To Surface	Date Cemented	Cement Baskets
12 3/4	23	15				
9 5/8	315	12 1/4		y	01/15/2008	88
7	2309	8 7/8	534.00	y	01/16/2008	220
4 1/2	5428	6 3/8	502.46	n	01/19/2008	

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
Sand Stone	5.00	38.00	33.00
Sandy Shale	38.00	257.00	219.00
Coal	257.00	258.00	1.00
Sandy Shale	258.00	1,008.00	750.00
Coal	1,008.00	1,009.00	1.00
Sandy Shale	1,009.00	1,188.00	179.00
Coal	1,188.00	1,189.00	1.00
Sandy Shale	1,189.00	1,481.00	292.00
Coal	1,481.00	1,482.00	1.00
Streaked Sandys shale	1,482.00	2,403.00	921.00
Shale	2,403.00	2,734.00	331.00
AVIS	2,734.00	2,871.00	137.00
MXTN	2,871.00	3,311.00	440.00
LLIM	3,311.00	3,372.00	61.00
BGLM	3,372.00	3,830.00	458.00
WEIR	3,830.00	4,050.00	220.00
WEIR Sh	4,050.00	4,335.00	285.00
SNBY	4,335.00	4,402.00	67.00
BEREA	4,402.00	4,448.00	46.00
CLEV	4,448.00	4,553.00	105.00
TLB	4,553.00	4,709.00	156.00
UHRN	4,709.00	4,751.00	42.00
MHRN	4,751.00	5,077.00	326.00
LHRN	5,077.00	5,277.00	200.00
TD	5,471.00	0.00	0.00