



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: 389
Company: Equitable Production Company
File Number: DI-1615
Operations Name: V-536797 W/PL
Operation Type: Gas/Pipeline
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 1/3/2007 Drilling Contractor: Gasco
Date drilling completed: 1/8/2007 Rig Type: Rotary Cable Tool
Driller's Total Depth (feet): 5,414
Log Total Depth (feet): 5,426 Formation At Total Depth: Cleveland Shale

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

Permitted State Plane X: 845,468 Final Plat State Plane X: 845,473
Permitted State Plane Y: 279,139 Final Plat State Plane Y: 279,138

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Final Plat 536797	V-536797 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 Seam 536797	Coal Seams.doc

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas & Oil 536797	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 536797	Survey Results.doc

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Csg 536797	Casing Data.doc
Tbg 536797	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 536797	Drillers Log.doc

9. Comments

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

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: 6/26/2007

Status: Inspr Approved

Date: 6/27/2007

Final PDF Date: 7/6/2007

TOTAL UNIT AREA
= 112.69 ACRES

FINAL PLAT

LATITUDE 37°02'30"

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

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

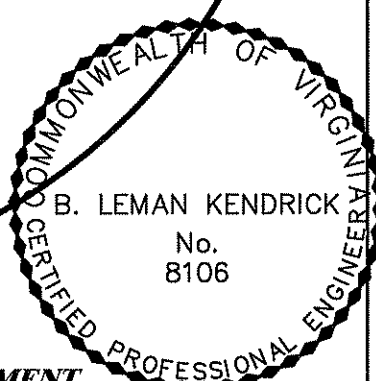
STATE PLANE
NAD 27 COORDINATES
OF WELL V-536797
N 279138.48
E 845472.71
LAT 37.033572°
LON -82.456389°

CCC COORDINATES
OF WELL V-536797
S 24168.16
W 21270.95

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.

NOTE !!
SEE WELL PLAT SUPPLEMENT
SHEETS 2 & 3 FOR TRACT INFORMATION.



WELL LOCATION PLAT

COMPANY Equitable Production Company WELL NAME AND NUMBER V-536797

TRACT No. LEASE NO. 904576 ELEVATION 2452.54 (GPS) QUADRANGLE CANEY RIDGE

COUNTY DICKENSON DISTRICT KENADY SCALE: 1" = 400' DATE JANUARY 8, 2007

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. J. Smith 1/8/07

(AFFIX SEAL)

LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR

X:\2007 Project\Desim\8630_V-536797.dwg, 8630_AS-D.dwg

①

LEASE No. 904576 / D-40
N.B. SALYER
133.037 ACRES
ACIN, LLC, et al - surface, oil & gas
GAS 37.59 AC. 33.36%

②

LEASE No. 904576L / DI-42
JOSEPH D. SALYERS
93.221 ACRES
ACIN, LLC, et al - surface, oil & gas
GAS 6.06 AC. 5.38%

③

LEASE No. 245217L
JAMES HAMILTON, et al
54.55 ACRES
JAMES HAMILTON, et al - oil & gas
GAS 0.54 AC. 0.48%

④

LEASE No. 223068L
THE HAGAN ESTATES, INC. - surface, oil & gas
54.00 ACRES
GAS 37.42 AC. 33.20%

⑤

LEASE No. 223068L
THE HAGAN ESTATES, INC. - surface, oil & gas
54.00 ACRES
GAS 0.48 AC. 0.43%

or

LEASE No. 905132L
12.29 ACRES
CLIFFORD F. WILLIAMS, et al - surface, oil & gas
GAS 0.48 AC. 0.43%

⑥

LEASE No. 223068L
THE HAGAN ESTATES, INC. - surface, oil & gas
54.00 ACRES
GAS 0.51 AC. 0.45%

or

LEASE No. 905136
13.45 ACRES
MARGARET MEADE BOLLING, et al - surface, oil & gas
GAS 0.51 AC. 0.45%

⑦

LEASE No. 905136L
13.45 ACRES
MARGARET MEADE BOLLING, et al - surface, oil & gas
GAS 0.46 AC. 0.41%

⑧

LEASE No. 905132L
12.29 ACRES
CLIFFORD WILLIAMS, et al - oil & gas
GAS 5.99 AC. 5.32%

⑨

LEASE No. 904576L / DI-38
DANIEL SALYER
76.645 ACRES
ACIN, LLC, et al - surface, oil & gas
GAS 17.65 AC. 15.66%

⑩

LEASE No. 906639
DONALD & DOROTHY LEDWELL - Life Estate
surface, oil & gas
BRIAN LEDWELL - Remainder interest
surface, oil & gas
9.00 ACRES
GAS 4.23 AC. 3.75%

⑪

LEASE No. 223068L
THE HAGAN ESTATES, INC. - surface, coal, oil & gas
54.00 ACRES
GAS 0.76 AC. 0.67%

or

LEASE No. 904576
DANIEL SALYER
ACIN, LLC, et al. - surface, coal, oil & gas (DI-38)
GAS 0.76 AC. 0.67%

⑫

LEASE No. 906639
DONALD & DOROTHY LEDWELL - Life Estate in 1/2
surface, oil & gas
BRIAN LEDWELL - 1/2 Interest & Remainder Interest in 1/2
surface, oil & gas
1.00 ACRE
GAS 1.00 AC. 0.89%



THOMPSON & LITTON

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

EQUITABLE PRODUCTION COMPANY
WELL No. V-536797
WELL PLAT SUPPLEMENT
SHEET 2

PROJECT No.:
8630 AS-D

SCALE: 1" = 400'

DATE: JANUARY 8, 2007

Coal Seams & Open Mines

<u>Type</u>	<u>From</u>
Coal	110'-11',205'-06',290'- 91',470'-71',600'-01'
Coal	810'-11',1010'-11',1090'- 91',1305'-06',1395'-96'
Coal	1450'-51',1830'-31'1990'- 91',2170'-71',2325'-26'
Coal	2445'-46',2520'-21'

Gas and Oil Shows

Gas Tests

<u>Depth</u>	<u>Remarks</u>
3,915	TSTM
4,575	TSTM
5,132	TSTM
5,227	59MCF/D
5,424	133MCF/D

**Survey
Results**

<u>Depth</u>	<u>Direction/Distance/Degrees From True Vertical</u>
196	1/4
385	1/4
575	1/4
764	1/4
953	1/4
1,142	1/4
1,331	1/4
1,520	1/4
1,710	1/4
1,899	1/4
2,089	1/4
2,278	1/2
2,468	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	259.60	Y	01/03/2007	94
7	742	8 7/8	265.50	Y	01/04/2007	436
4 1/2	5365	6 1/2	618.70	N	01/08/2007	

Tubing Size
2 3/8

Footage
5,215.25

Drillers
Log

<u>Formation Name</u>	<u>Depth Top</u>	<u>Depth Bottom</u>	<u>Formation Thickness</u>
Sandy Shale	0.00	35.00	35.00
Sand Stone	35.00	110.00	75.00
Coal	110.00	111.00	1.00
Sandy Shale	111.00	205.00	94.00
Coal	205.00	206.00	1.00
Sand Stone	206.00	290.00	84.00
Coal	290.00	291.00	1.00
Sand Stone	291.00	470.00	179.00
Coal	470.00	471.00	1.00
Sandy Shale	471.00	520.00	49.00
Sand Stone	520.00	600.00	80.00
Coal	600.00	601.00	1.00
Sandy Shale	601.00	680.00	79.00
Sand Stone	680.00	767.00	87.00
Sandy Shale	767.00	810.00	43.00
Coal	810.00	811.00	1.00
Sand Stone	811.00	1,010.00	199.00
Coal	1,010.00	1,011.00	1.00
Sandy Shale	1,011.00	1,090.00	79.00
Coal	1,090.00	1,091.00	1.00
Sand Stone	1,091.00	1,220.00	129.00
Sandy Shale	1,220.00	1,305.00	85.00
Coal	1,305.00	1,306.00	1.00
Sandy Shale	1,306.00	1,395.00	89.00
Coal	1,395.00	1,396.00	1.00
Sand Stone	1,396.00	1,450.00	54.00
Coal	1,450.00	1,451.00	1.00
Sandy Shale	1,451.00	1,550.00	99.00
Sand Stone	1,550.00	1,830.00	280.00
Coal	1,830.00	1,831.00	1.00
Sandy Shale	1,831.00	1,990.00	159.00
Coal	1,990.00	1,991.00	1.00
Sandy Shale	1,991.00	2,170.00	179.00
Coal	2,170.00	2,171.00	1.00
Sandy Shale	2,171.00	2,235.00	64.00
Sand Stone	2,235.00	2,325.00	90.00
Coal	2,325.00	2,326.00	1.00
Sand Stone	2,326.00	2,430.00	104.00
Sandy Shale	2,430.00	2,445.00	15.00
Coal	2,445.00	2,446.00	1.00
Sandy Shale	2,446.00	2,520.00	74.00
Coal	2,520.00	2,521.00	1.00
Sandy Shale	2,521.00	2,560.00	39.00
Red Rock	2,560.00	2,580.00	20.00
Sandy Shale	2,580.00	3,107.00	527.00

RVCF	3,107.00	3,144.00	37.00
AVIS	3,184.00	3,244.00	60.00
MXTN	3,598.00	3,729.00	131.00
LLIM	4,000.00	4,056.00	56.00
BGLM	4,056.00	4,642.00	586.00
WEIR	4,642.00	4,888.00	246.00
WEIR Sh	4,888.00	5,122.00	234.00
SNBY	5,122.00	5,197.00	75.00
BEREA	5,197.00	5,249.00	52.00
CLEV	5,249.00	5,350.00	101.00
TLBD	5,350.00	5,414.00	64.00