

Department of Mines, Minerals and Energy  
Division of Gas and Oil  
P.O. Box 1416  
Abingdon, Virginia 24210  
540/676-5423

COMPLETION REPORT

WELL TYPE: COALBED METHANE

Date Well Completed 12/20/1998 Total Depth of Well: LTD - 2876 DTD - 2882

Attach the Drilling Report; if not previously submitted. In addition, submit any changes in casing or tubing that were approved after the Drilling Report was submitted.

STIMULATION RECORD

Zone 1 : POCO 5, POCO 3

Formation Stimulated With: 70Q FOAM

Total Sand Used: 12104 lbs Sand Size: 16/30 Total Acid: 0 gal. Acid Strength:

N2 Used: 0 SCF Total Fluid Injected: 319 bbls.

Perforated: 2542 to 2636 No. of Perforations: 8 Size: 0.44 "

Formation Broke Down at: N/A PSIG Average Injection Rate: 20 BPM

ISIP: 1854 PSIG 5 Min SIP: 1643 PSIG Average Injection Pressure: 2106

Date Stimulated: 12/03/1998

Zone 2 : POCO 7, POCO 8

Formation Stimulated With: 70Q FOAM

Total Sand Used: 480 lbs Sand Size: 16/30 Total Acid: 0 gal. Acid Strength:

N2 Used: 0 SCF Total Fluid Injected: 0 bbls.

Perforated: 2355 to 2451 No. of Perforations: 12 Size: 0.44 "

Formation Broke Down at: PSIG Average Injection Rate: 0 BPM

ISIP: 0 PSIG 0 Min SIP: 0 PSIG Average Injection Pressure: 0

Date Stimulated: 12/07/1998

Zone 3 : L HORSEPEN, X-SEAM, POCO 9

Formation Stimulated With: 70Q FOAM

Total Sand Used: 16700 lbs Sand Size: 16/30 Total Acid: 0 gal. Acid Strength:

N2 Used: 0 SCF Total Fluid Injected: 398 bbls.

Perforated: 2197 to 2287 No. of Perforations: 16 Size: 0.34 "

Formation Broke Down at: N/A PSIG Average Injection Rate: 23 BPM

ISIP: 0 PSIG 0 Min SIP: 0 PSIG Average Injection Pressure: 3375

Date Stimulated: 12/09/1998

Zone 4 : BECKLEY, UNNAMED "C"

Formation Stimulated With: 70Q FOAM

Total Sand Used: 28039 lbs Sand Size: 16/30 Total Acid: 0 gal. Acid Strength:

N2 Used: 0 SCF Total Fluid Injected: 305 bbls.

Perforated: 2113 to 2145 No. of Perforations: 12 Size: 0.50 "

Formation Broke Down at: 3031 PSIG Average Injection Rate: 22 BPM

ISIP: 1607 PSIG 5 Min SIP: 1337 PSIG Average Injection Pressure: 2734

Date Stimulated: 12/18/1998

FINAL PRODUCTION: After Stimulation

BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED

Final Production If Gas  
Zones are Commingled

13 MCF 6 Hours Tested 200 PSIG 48 Hours Tested

Permittee: Equitable Resources Energy Company (Company)

By: [Signature] (Signature)

ENTERED

Department of Mines, Minerals and Energy  
 Division of Gas and Oil  
 P.O. Box 1416  
 Abingdon, Virginia 24210  
 540/676-5423

**DRILLING REPORT**

Pursuant to VR-480-05-22.1 § 1.36, the undersigned Permittee submits this report on Well VCP3766 in the LIPPS  
 District of WISE County, Virginia on the 12 day, April month, 1999 .

LOCATION

County: WISE District: LIPPS  
 Surface Elevation: 2612.31 Elev of Kelly Bushing: 2622.31 Quadrangle: CANEY RIDGE  
8946 Ft. S of Latitude 37 ° 02 ' 30 " and 2697 Ft. W of Longitude 82 ° 27 ' 30 "

DRILLING DATA

Date Drilling Commenced: 11/03/1998 Drilling Contractor: UD 15  
 Date Drilling Completed: 11/07/1998 Rig Type: X Rotary      Cable Tool  
 Total Depth of Well: LTD - 2876 DTD - 2882

GEOLOGICAL DATA

Fresh Water at:  
 282 feet DAMP

Salt Water at:

COAL SEAMS:

<u>NAME</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>THICKNESS</u>	<u>MINING IN AREA</u>		
				<u>YES</u>	<u>NO</u>	<u>MINED OUT</u>
UNNAMED C	2113	2114	1			
BECKLY	2143	2145	2			
L HORSEPEN	2197	2199	2			
X SEAM	2243	2245	2			
POCO #9	2286	2287	1			
POCO #8	2355	2356	1			
POCO #7	2438	2451	13			
POCO #5	2542	2543	1			
POCO #3	2635	2636	1			

GAS AND OIL SHOWS:

FORMATION      TOP    BOTTOM    THICKNESS    IPF (MCFD/BOPD)    PRESSURE    HOURS TESTED

Cuttings or samples are not available for examination by a member of the Virginia Division of Mineral Resources  
 Cuttings or samples have not been furnished to the Virginia Division of Mineral Resources

ELECTRIC LOGS AND SURVEYS

List logs run on wellbore:

DEN  
 GR  
 TMP

Did log disclose vertical location of a coal seam ? Yes

SURVEY RESULTS

<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREE FROM TRUE VERTICAL</u>	<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREE FROM TRUE VERTICAL</u>
200	0.25°	400	0.25°
600	0.25°	800	0.25°
1000	0.25°	1150	0.25°
1289	0.25°	1489	0.50°
1689	0.50°	1889	0.50°
2089	0.75°	2107	0.75°
2137	0.75°	2192	0.75°
2218	0.75°	2349	1.00°
2539	1.00°	2700	1.00°

CASING AND TUBING

	<u>SIZE</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>	<u>CEMENT</u>	<u>DATE</u>	<u>PACKERS OR BRIDGE PLUGS</u>		
					<u>USED IN CU/FT</u>	<u>CEMENTED</u>	<u>KIND</u>	<u>SIZE</u>	<u>SET AT</u>
<u>Conductor Pipe</u>	11.750	0.00	39.00	39.00					
<u>Surface Casing</u>	8.625	0.00	309.00	309.00	130	11/4/98			
<u>Production Casing</u>	4.500	0.00	2837.00	2837.00	771	11/7/98			
<u>Tubing String 1</u>	2.375	0.00	2681.00	2681.00					

REMARKS: Shutdown, fishing jobs, depths and dates, caving, lost circulation, etc.

DRILLER'S LOG

Compiled by: Engineering

AGE	FORMATION*	GENERAL LITHOLOGY	COLOR	DEPTH		THICKNESS	REMARKS
				TOP	BOTTOM		
PENN	UNNAMED C			2113	2114	1	
PENN	BECKLY			2143	2145	2	
PENN	L HORSEPEN			2197	2199	2	
PENN	X SEAM			2243	2245	2	
PENN	POCO #9			2286	2287	1	
PENN	POCO #8			2355	2356	1	
PENN	POCO #7			2438	2451	13	
PENN	POCO #5			2542	2543	1	
PENN	POCO #3			2635	2636	1	
LOGGER'S TOTAL DEPTH					2876		

\*Formations between coal seams are Sand, Shale and Thin Coals

Permittee: Equitable Resources Energy Company (Company)

By: James M. Cudde (Signature)

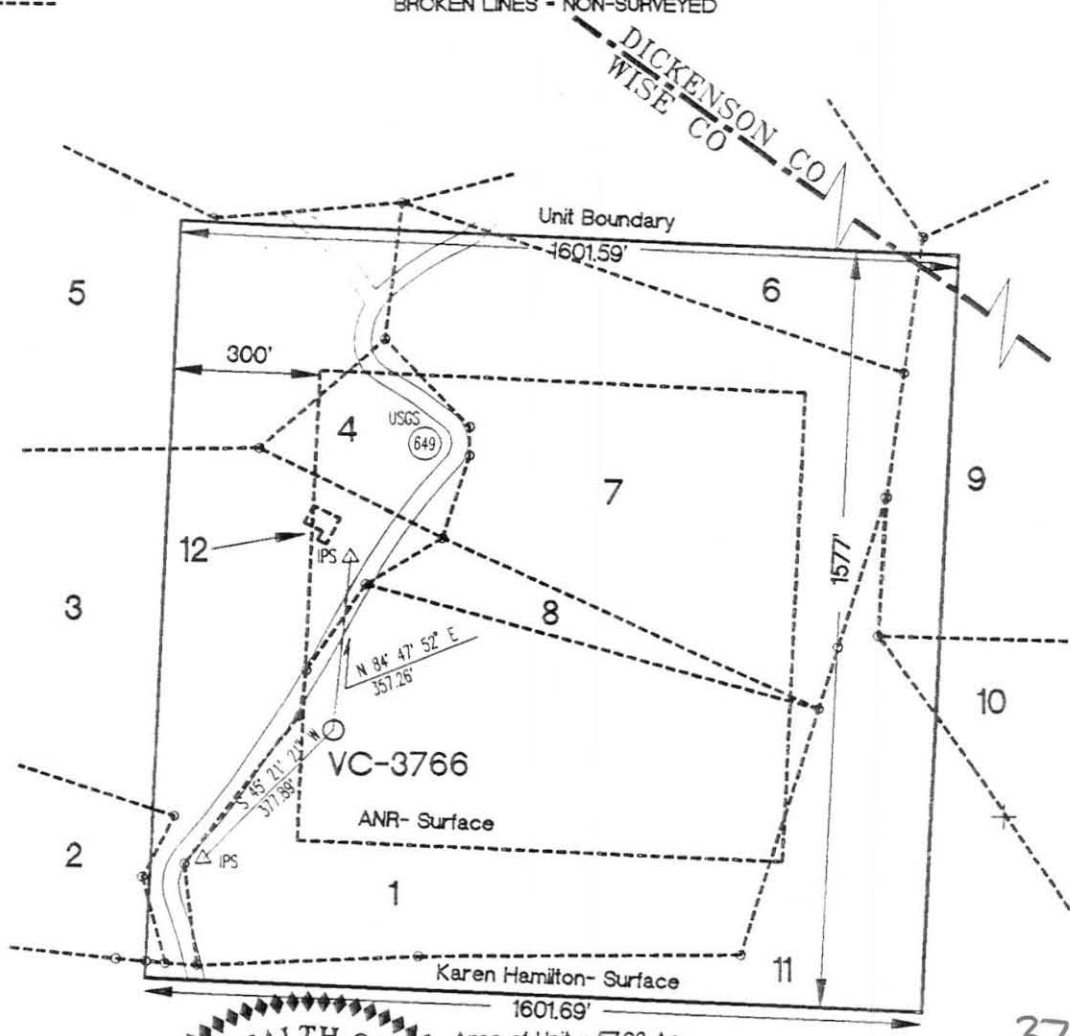
THIS PLAT SHOWS THE PROPOSED WELL AND ITS COORDINATES. PROPERTY LINE INFORMATION, SURFACE AND MINERAL OWNERSHIP ARE BASED ON PRELIMINARY INFORMATION PROVIDED BY EQUITABLE RESOURCES AND IS SUBJECT TO CHANGE BEFORE FINAL APPROVAL.

Latitude 37°02'30" 2697'

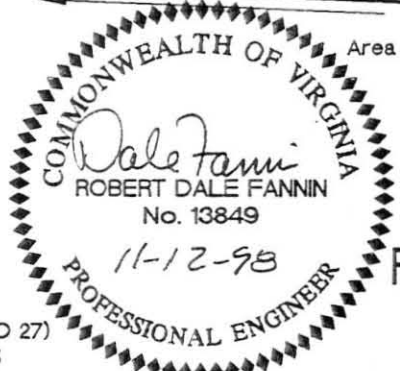
Longitude 82°27'30"

Surface - - - - -  
Mineral - - - - -

WELL ELEVATION IS BASED ON TRIG LEVELING FROM 'ROSE CEMETARY' PROPERTY LINES: SOLID LINE - SURVEYED BROKEN LINES - NON-SURVEYED



Area of Unit = 57.98 Ac.



**FINAL**

Note: See supplemental sheet(s) for tract information

37.01 01.463  
37.0170726  
82.28 03.276  
82.4675 76

WELL COORDINATES:  
VA. ST. PLANE S. ZONE (NAD 27)  
N 273,282.90 E 841,954.65

COMPANY Equitable Resources Energy Co. WELL NAME AND NO. VC-3766  
TRACT NO. WI 145 ELEVATION: 2612.25 (Trig) QUADRANGLE: Caney Ridge, VA  
COUNTY: Wise DISTRICT: Lipps SCALE: 1"=400' DATE: 11/12/98

This plat is a new plat ; an updated plat ; or a final location plat  **FINAL**  
+ Denotes the location of a well on United States topographic Maps, scale 1 to 24,000, latitude and the longitude lines being represented by border lines as shown.

*Dale Fannin*

- |   |   |
|---|---|
| <p>1 Ls. # 223010L (Well Tract)<br/>ANR Coal Co. LLC-WI 145<br/>Robert Gouge<br/>16.077 Ac.<br/>ANR--Surface, Coal, Oil + Gas<br/>Gas 16.077 Ac., 27.73%</p> <p>2 Ls. # 244652L<br/>Donald Funk-- Oil + Gas<br/>5.08 Ac.<br/>Lease No. 244943L<br/>ANR Coal Co. LLC-Coal WI 145<br/>Gas 0.12 Ac., 0.20%</p> <p>3 Ls. # 244653L<br/>Bascom Funk- Oil + Gas<br/>19.89 Ac.<br/>Lease No. 244943L<br/>ANR Coal Co., LLC-Coal WI 145<br/>Gas 6.326 Ac., 10.91%</p> <p>4 Ls. # _____<br/>Danny Hamilton-2.0 Ac.<br/>- Oil and Gas<br/>Ls # 244943L<br/>ANR Coal Co., LLC-Coal WI 145<br/>Gas 2.00 Ac., 3.45%</p> <p>5 Ls. # 244661L.<br/>Orlena S. Hamilton - Oil + Gas<br/>26.869 Ac.<br/>Ls # 244943L<br/>ANR Coal Co., LLC-Coal WI 145<br/>Gas 3.98 Ac., 6.89%</p> <p>6 Ls. # 245430L<br/>Lillian Burke<br/>7.0 Ac.<br/>- Oil and Gas<br/>Ls # 244943L<br/>ANR Coal Co., LLC-Coal WI 145<br/>Gas 2.50 Ac., 4.32%</p> <p>7 Ls. # _____<br/>Richard Clark-11.22 Ac.<br/>Oil and Gas<br/>Ls # 244943L<br/>ANR Coal Co., LLC-Coal WI 145<br/>Gas 15.96 Ac., 27.51%</p> | <p>8 Ls. # 245436L<br/>Samual R. Richardson, et.al.-3 Ac.<br/>oil and gas<br/>Ls # 244943L<br/>ANR Coal Company, LLC- Coal WI 145<br/>Gas 1.493 Ac., 2.57%</p> <p>9 Ls. # 241490L, T-638<br/>G. W. Chapman<br/>106.00 Ac.<br/>CLINCHFIELD COAL COMPANY/<br/>PYXIS RESOURCES COMPANY<br/>- Coal<br/>PINE MOUNTAIN OIL AND GAS<br/>- Oil and Gas<br/>Gas 1.98 Ac., 3.42%</p> <p>10 Ls. # 241640L, T2-115<br/>Henry Adkins<br/>178.70 Ac.<br/>CLINCHFIELD COAL COMPANY/<br/>PYXIS RESOURCES COMPANY<br/>- Coal<br/>PINE MOUNTAIN OIL AND GAS<br/>- Oil and Gas<br/>Gas 0.23 Ac., 0.39%</p> <p>11 Ls. # 241490L, T-677<br/>W. J. Ring<br/>238 Ac.<br/>CLINCHFIELD COAL COMPANY/<br/>PYXIS RESOURCES COMPANY<br/>- Coal<br/>PINE MOUNTAIN OIL AND GAS<br/>- Oil and Gas<br/>Gas 7.25 Ac., 12.50%</p> <p>12 Ls. # _____<br/>Big Caney Water Corporation<br/>0.064 Ac.<br/>- Oil and Gas<br/>Ls # 244943L<br/>ANR Coal Co., LLC-Coal WI 145<br/>Gas 0.064 Ac., 0.11%</p> |
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Equitable Resources Energy Co.  
Well Plat Supplement Page 1 of 1

FANNIN  
ENGINEERING

Well No.- VC-3766  
Date: 11/12/98

