

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 09/08/1998 Total Depth of Well: LTD - 2922 DTD - 2917

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 : M SEAB, L SEAB, U HORS, M HORS, CSEAM, L HORS, POCO4 RIDER, POCO4

Formation Stimulated With: 70Q FOAM

Total Sand Used: 18133 lbs Sand Size: 12/20 Total Acid: 0 gal. Acid Strength:

N2 Used: 795300 SCF Total Fluid Injected: 663 bbls.

Perforated: 1795 to 2746 No. of Perforations: 16 Size: 0.34 "

Formation Broke Down at: 1767 PSIG Average Injection Rate: 20 BPM

ISIP: 1289 PSIG 5 Min SIP: 1080 PSIG Average Injection Pressure: 3608

Date Stimulated: 09/08/1998

ENTERED

FINAL PRODUCTION: _____ Natural _____ X _____ After Stimulation

BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED

Final Production If Gas
Zones are Commingled

10 MCF 6 Hours Tested 340 PSIG 48 Hours Tested

Permittee: Equitable Resources Energy Company (Company)

By: *James M. Cuel* (Signature)

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 VCP3759 in the KENADY District of DICKENSON County, Virginia on the 12 day, November month, 1998 .

LOCATION

County: DICKENSON District: KENADY
Surface Elevation: 2775.29 Elev of Kelly Bushing: 2785.29 Quadrangle: ST PAUL
1450 Ft. S of Latitude 37 ° 00 ' 00 " and 11607 Ft. W of Longitude 82 ° 15 ' 00 "

DRILLING DATA

Date Drilling Commenced: 08/29/1998 Drilling Contractor: UD 15
Date Drilling Completed: 09/03/1998 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD - 2922 DTD - 2917

GEOLOGICAL DATA

Fresh Water at:
344 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>
U JAWBONE	1224	1226	2			
L JAWBONE	1252	1255	3			
M SEABOARD	1795	1797	2			
L SEABOARD	1841	1843	2			
U HORSEPEN	1957	1958	1			
M HORSEPEN	2014	2015	1			
C SEAM	2135	2137	2			
L HORSEPEN	2267	2268	1			
POCO #4-R	2719	2723	4			
POCO #4	2745	2747	2			

GAS AND OIL SHOWS:

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>THICKNESS</u>	<u>IPF (MCFD/BOPD)</u>	<u>PRESSURE</u>	<u>HOURS TESTED</u>
------------------	------------	---------------	------------------	------------------------	-----------------	---------------------

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:

CCL
 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	0.00°	400	0.25°
448	0.25°	600	0.25°
800	0.50°	1000	0.50°
1200	0.50°	1221	0.50°
1248	0.50°	1448	0.50°
1648	0.50°	1834	0.75°
1893	0.75°	2093	0.75°
2128	0.75°	2249	0.75°
2449	0.75°	2649	1.00°
2715	0.75°		

CASING AND TUBING

	<u>SIZE</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>	<u>CEMENT</u>	<u>DATE</u>	<u>PACKERS OR</u>
					<u>USED</u>	<u>CEMENTED</u>	<u>BRIDGE PLUGS</u>
					<u>IN CU/FT</u>		<u>KIND SIZE SET AT</u>
<u>Conductor Pipe</u>	11.750	0.00	29.00	29.00			
<u>Surface Casing</u>	8.625	0.00	617.00	617.00	177	8/30/98	
<u>Production Casing</u>	4.500	0.00	2862.00	2862.00	792	9/3/98	
<u>Tubing String 1</u>	2.375	0.00	2833.00	2833.00			

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

OPEN MINE SHAFT @ 568'; LOST ALL CIRCULATION

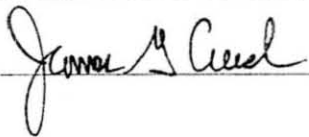
DRILLER'S LOG

Compiled by: Engineering

<u>AGE</u>	<u>FORMATION*</u>	<u>GENERAL LITHOLOGY</u>	<u>COLOR</u>	<u>DEPTH</u>		<u>THICKNESS</u>	<u>REMARKS</u>
				<u>TOP</u>	<u>BOTTOM</u>		
PENN	U JAWBONE			1224	1226	2	
PENN	L JAWBONE			1252	1255	3	
PENN	M SEABOARD			1795	1797	2	
PENN	L SEABOARD			1841	1843	2	
PENN	U HORSEPEN			1957	1958	1	
PENN	M HORSEPEN			2014	2015	1	
PENN	C SEAM			2135	2137	2	
PENN	L HORSEPEN			2267	2268	1	
PENN	POCO #4-R			2719	2723	4	
PENN	POCO #4			2745	2747	2	
LOGGER'S TOTAL DEPTH					2922		

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

Permittee: Equitable Resources Energy Company (Company)

By:  (Signature)

11607'

LATITUDE 37°00'00"

LONGITUDE 82°15'00"

1450'

LS #241640L / T2-185
 BROOKS, HOLBROOK ET AL TR.
 60.00 ACRES
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY
 - coal
 JAMES & GOLDIE PHILLIPS
 surface, oil & gas
 GAS 1.54 AC. 2.62 %

TOTAL UNIT AREA
 = 58.77 ACRES

--- DENOTES MINERAL LINE
 - - - - DENOTES SURETY LINE



LS #241640L / T2-185
 BROOKS, HOLBROOK ET AL TR.
 60.00 ACRES
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY
 - coal
 CARL PHILLIPS
 surface, oil & gas
 GAS 2.57 AC. 4.37 %

LS #241640L / T2-252
 121.02 ACRES
 JOHN D. ERVIN

BOUNDARY

CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY - coal, surface
 PINE MOUNTAIN OIL & GAS, INC.
 - oil & gas
 GAS 28.96 AC. 49.27 %

LS #241640L / T-62
 6.47 ACRES
 G.H. HOLBROOK
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY
 - coal
 PINE MOUNTAIN OIL & GAS, INC.
 - oil & gas
 GAS 2.08 AC. 3.54 %

BOUNDARY

UNIT

S 54°56'17" E
 169.05'

VC-3759
 S 00°52'25" W
 277.27'

CURTIS KISER
 - surface

LS #241640L / T2-186
 58 ACRES
 DAVID BLAIR
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY
 - coal
 PINE MOUNTAIN OIL & GAS, INC.
 - oil & gas
 GLENN HAMMACKER
 - surface
 GAS 10.44 AC. 17.76 %

LS #241640L / T2-185
 BROOKS, HOLBROOK ET AL TR.
 60.00 ACRES
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY
 - coal
 E. BERRY COMPTON, JR.
 surface, oil & gas
 GAS 0.52 AC. 0.9 %

AS-DRILLED
 COORDINATES OF WELL
 S 37835.02
 E 27312.74

AS-DRILLED
 STATE PLANE COORDINATES
 OF WELL VC-3759
 N 263489.04
 E 893506.80

LS #241490L / T-525
 DAWSON COAL & COKE CO.
 6000 ACRES
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY
 - coal
 PINE MOUNTAIN OIL & GAS, INC.
 - oil & gas
 GAS 12.66 AC. 21.54 %

UNIT BOUNDARY

NOTE !!!

WELL COORDINATES ARE BASED ON CLINCHFIELD
 COAL COMPANY'S MINE COORDINATE SYSTEM.
 STATE PLANE WELL COORDINATES ARE CALCULATED
 FROM CLINCHFIELD COAL COMPANY COORDINATES.
 PROPERTY INFORMATION PROVIDED BY EQUITABLE
 RESOURCES ENERGY COMPANY.

ELEVATIONS ARE BASED ON GPS SURVEY FROM BM F 109.

FINAL PLAT

WELL LOCATION PLAT

COMPANY Equitable Resources Energy Co. WELL NAME AND NUMBER VC - 3759
 TRACT No. LS #241640L/T2-186 ELEVATION 2727.27 (GPS) QUADRANGLE ST. PAUL
 COUNTY DICKENSON DISTRICT KENADY SCALE: 1" = 400' DATE AUGUST 31, 1998
 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. Lemman Kendrick 8/31/98

(AFFIX SEAL)

LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR