

Department of Mines, Minerals and Energy
Division of Gas and Oil
P.O. Box 1416
Abingdon, Virginia 24210
703/676-5423

COMPLETION REPORT



WELL TYPE: Oil Gas Coalbed Methane or Injection well

Date Well Completed: 6/2/97 Total Depth of Well: LTD - 2545 DTD - 2548

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: COAL SEAMS* Formation Stimulated With: 75Q FOAM W/
1700# 12/20 SAND - 350000 SCF N2 - 202 BF - SCREENED OUT
 Perforated: 1647 to: 2169.5 No. of Perforations: 13 Size: 0.34"
 Formation Broke Down at: N/A PSIG Average Injection Rate: 6.3 (25.2) BPM
 ISIP: 1513 PSIG 5 Min SIP: 1406 PSIG Average Injection Pressure 3660
 Date Stimulated: 5/19/97

*U HORSEPEN, M HORSEPEN, C-SEAM, WARCREEK, UNNAMED "C", BECKLEY, L HORSEPEN, POCO #7

RE-STIMULATION

Zone 1: COAL SEAMS* Formation Stimulated With: 70Q FOAM W/
38900 # 12/20 SD - 753000 SCF N2 - 666 BF
 Perforated: to: No. of Perforations: Size:
 Formation Broke Down at: N/A PSIG Average Injection Rate: 16.9 (56.3)
 ISIP: 1719 PSIG 5 Min SIP: 1579 PSIG Average Injection Pressure 3480
 Date Stimulated: 6/2/97

Zone 3: Formation Stimulated With:

Perforated: to: No. of Perforations: Size:
 Formation Broke Down at: PSIG Average Injection Rate:
 ISIP: PSIG 5 Min SIP: PSIG Average Injection Pressure
 Date Stimulated:

FINAL PRODUCTION: Natural X After Stimulation
BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED
 Zone (1)
 Zone (2)
 Zone (3)
 Final Production if Gas
 Zones are Commingled 22 MCFD 6 Hours Tested 350 PSIG 48 Hours Tested

*Use additional sheets with this format, if more than three (3) zones were stimulated.

Permittee: EQUITABLE RESOURCES ENERGY COMPANY (Company)

By: Joseph A. [Signature] (Signature)

Department of Mines, Minerals and Energy
Division of Gas and Oil

Operations Name: T BISE
Permit #: 3237

Well #: VCP3596
VA File #: DI-0828

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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VCP3596 in the
KENADY District of the DICKENSON County, Virginia on 1ST day,
AUGUST month, 1997.

LOCATION

County: DICKENSON District: KENADY
Surface Elevation: 2322.6 Elev of Kelly Bushing: 2332.6 Quadrangle: CANEY RIDGE
4100 Ft. S of Latitude 37 02 30 and 7700 Ft. W of Longitude 82 25 00

DRILLING DATA

Date Drilling Commenced: 5/7/97 Drilling Contractor: UNION DRILLING
Date Drilling Completed: 5/10/97 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD - 2545 DTD - 2549

GEOLOGICAL DATA

Fresh Water at:	284	feet	DAMP	GPM	1855	feet	DAMP	GPM
		feet		GPM		feet		GPM
		feet		GPM		feet		GPM
Salt Water at:		feet		GPM		feet		GPM
		feet		GPM		feet		GPM
		feet		GPM		feet		GPM

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 HORSEPEN	1646	1648	2			
WARCREEK	1818	1820	2			
L HORSEPEN	1914	1916	2			
POCO#7	2168	2170	2			
POCO #5 RIDER	2280	2282	2			
POCO #2	2430	2435	5			

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

ELECTRIC LOGS AND SURVEYS

List logs run on wellbore: GR/DEN/TMP

Did log disclose vertical location of a coal seam? Yes No

SURVEY RESULTS

DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL	DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL
200	1/4°	1400	1°
210	1/4°	1452	1°
270	1/4°	1600	3/4°
450	1/2°	1800	3/4°
650	1 1/4°	2000	1/2°
758	1°	2165	1/2°
850	3/4°	2200	3/4°
897	3/4°	2278	3/4°
1015	3/4°	2393	1°
1050	3/4°	2400	1°
1200	1°		

CASING AND TUBING

	SIZE	TOP	BOTTOM	LENGTH	CEMENT USED IN CU/FT	DATE CEMENTED	PACKERS OR BRIDGE PLUGS		
							KIND	SIZE	SET AT
<u>Conductor</u>									
<u>Surface</u>	11 3/4		40	30	GROUTED	5/7/96			
<u>Water Protection</u>	8 5/8		320	310	160(177)	5/8/97			
<u>Coal Protection</u>									
<u>Other Casing and Tubing Left in Well</u>	4 1/2		2533	2523	545(703)	5/10/97			
	2 3/8		2329.5						

Liners

REMARKS: Shut down, 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	SAND, SHALE & THIN COALS			0	1646	1646	
	U HORSEPEN			1646	1648	2	
	SAND, SHALE & THIN COALS			1648	1818	170	
	WARCREEK			1818	1820	2	
	SAND, SHALE & THIN COALS			1820	1914	94	
	L HORSEPEN			1914	1916	2	
	SAND, SHALE & THIN COALS			1916	2168	252	
	POCO #7			2168	2170	2	
	SAND, SHALE & THIN COALS			2170	2280	110	
	POCO #5 RIDER			2280	2282	2	
	SAND, SHALE & THIN COALS			2282	2430	148	
	POCO #2			2430	2435	5	
	SAND, SHALE & THIN COALS			2435	2545	110	
LOGGER'S TOTAL DEPTH					2545		

Permittee: EQUITABLE RESOURCES ENERGY COMPANY (Company)

By: Joseph A. Chung (Signature)

7,700'

Latitude 37° 02' 30"

4,100'

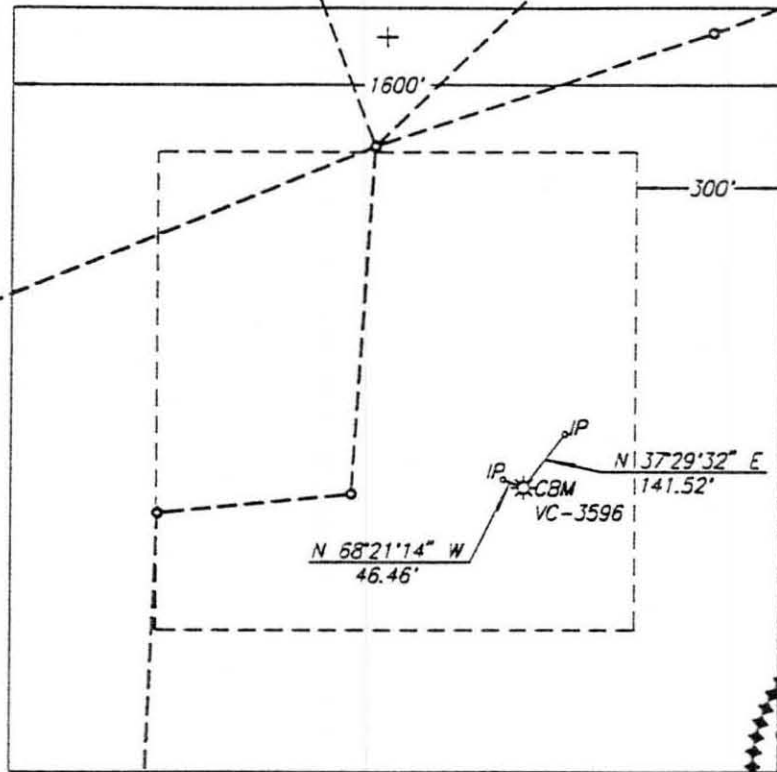
Longitude 82° 25' 00"

Charles P. Odum - surface, oil & gas
c/o William Odum
10 Acres
VICC - coal (D-42)
Lease No. 244943L
Gas 1.34 Ac. 2.28%

Lease No. PO-148 / T-625
Alley - Hutchinson
116.83 Acres
Clinchfield Coal Company /
Pyxis Resources Company - surface & coal
Pine Mountain Oil & Gas, Inc. - oil & gas
Gas 1.87 Ac. 3.18%

James Hamilton - surface 2/3 int., oil & gas 1/3 int.
James P. Lee - surface 1/3 int., oil & gas 1/3 int.
Susan C. Lantz - oil & gas 1/3 int.
64.55 Acres
VICC - coal (D-42)
Lease No. 244943L
Gas 7.28 Ac. 12.39%

PO-148 / T-624
W. H. Aston
21.3 Acres
Clinchfield Coal Company /
Pyxis Resources Company - surface & coal
Pine Mountain Oil & Gas, Inc. - oil & gas
Gas 13.58 Ac. 23.11%



Lease No. PO-148 / T-626
Thomas Bise
1001 Acres
Clinchfield Coal Company /
Pyxis Resources Company - surface & coal
Pine Mountain Oil & Gas, Inc. - oil & gas
Gas 34.70 Ac. 59.04%



FINAL PLAT

Area of Unit = 58.77 Ac.

Well Coordinates: (VA St. Plane S. Zone,
Calculated from CCC coordinates)
N 277,847 E 849,260

Well Coordinates: (Clinchfield Coal Co.)
S 25,300.05 W 17,435.71

Well elevation determined by GPS
survey from BM MLB 1576

WELL LOCATION PLAT

COMPANY Equitable Resources Energy Company WELL NAME AND NUMBER VC-3596
TRACT NO. T-626 ELEVATION 2320.97 QUADRANGLE Caney Ridge
COUNTY Dickenson DISTRICT Kenady SCALE 1" = 400' DATE 6-25-1997
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.

Glenn F. Phillips

Licensed Professional Engineer or Licensed Land Surveyor