

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

COMPLETION REPORT

RECEIVED
DIVISION OF
GAS & OIL
FEB 1997

WELL TYPE: Oil Gas Coalbed Methane or Injection well

Date Well Completed: 11-15-96 Total Depth of Well: LTD = 2594 DTD = 2605

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: 70Q FOAM
W/ 28900# 12/20 SAND - 746000 SCF N2 - 622 BF
Perforated: 1758 to 2412.5 No. of Perforations: 18 Perforation size: .34
Formation Broke Down at: 1374 PSIG Average Injection Rate: 19.6 BPM
ISIP: 1341 PSIG 5 Min SIP: 1250 PSIG Average Injection Pressure: 3724
Date Stimulated: 11-15-96

* C-SEAM, WARCREEK, BECKLEY, L HORSEPEN, X-SEAM, POCO #5, POCO #3, POCO #2

Zone 2: Formation Stimulated With:
Perforated: to No. of Perforations: Perforation size:
Formation Broke Down at: PSIG Average Injection Rate:
ISIP: PSIG Min SIP: PSIG Average Injection Pressure:
Date Stimulated:

Zone 3: Formation Stimulated With:
Perforated: to No. of Perforations: Perforation size:
Formation Broke Down at: PSIG Average Injection Rate:
ISIP: PSIG 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 28 MCFD 6 Hours Tested 440 PSIG 48 Hours Tested

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

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph A. Almy (Signature)

Department of Mines, Minerals and Energy
 Division of Gas and Oil
 P. O. Box 1410
 Abingdon, Virginia 24210
 703/676-5423

DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VC2939 in the KENADY District of the DICKENSON County, Virginia on 5TH day, FEBRUARY month, 19 97.

LOCATION

County: DICKENSON District: KENADY
 Surface Elevation: 2269.39 Elevation of Kelly Bushing: 2279.36 Quadrangle: CANEY RIDGE
2670 FT S. of Latitude 37° 02' 30" and 3250 FT W. of Longitude 82° 25' 00"

Attach a final location plat as required by VR 480-05-22.1, § 1.36.

DRILLING DATA

Date Drilling Commenced: 10-29-96 Drilling Contractor: Union Drilling
 Date Drilling Completed: 11-04-96 Rig Type: Rotary Cable Tool
 Total Depth of Well: LTD=2594 DTD=2605

GEOLOGICAL DATA

Fresh Water at:	200 feet	DAMP	GPM	1160 feet	DAMP	GPM
	feet		GPM	feet		GPM
Salt Water at:	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>
BECKLEY	1849	1851	2			
L HORSEPEN	1909	1911	2			
POCO #2	2409	2413	4			

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: DEN/TMP/GR

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°	1600	3/4°
232	1/4°	1800	1°
263	1/4°	1843	1°
400	1/4°	2043	3/4°
600	1/2°	2200	1°
800	1/2°	2263	1°
1000	1/2°	2379	1°
1200	1/2°	2409	1°
1400	3/4°		

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"		31'	21'			
<u>Water Protection</u>	8 5/8"		450'	440'	114(135)	10-31-96	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	4 1/2" 2 3/8"		2456' 2426'	2446'	342(431)	11-04-96	
<u>Liners</u>							

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

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POCO #2	2409	2413	4			

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DRILLER'S LOG

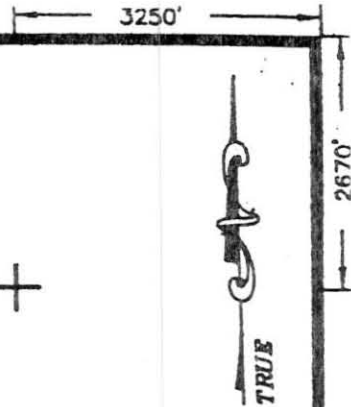
Compiled by Engineering

<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>		
Pennsylvanian	SAND, SHALE & THIN COALS			0	1849	1849	
	BECKLEY			1849	1851	2	
	SAND, SHALE & THIN COALS			1851	1909	58	
	L HORSEPEN			1909	1911	2	
	SAND, SHALE & THIN COALS			1911	2409	498	
	POCO #2			2409	2413	4	
	SAND, SHALE & THIN COALS			2413	2594	181	
	Logger's Total Depth				2594		

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: *Joseph A. Almy* (Signature)

JANDY LYON



LATITUDE 37°02'30"

TOTAL UNIT AREA = 58.77 ACRES

UNIT BOUNDARY

LS #241490L / T-684
 SARAH J. STALLARD
 106.38 ACRES
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY - surface
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY 60% - coal
 PINE MOUNTAIN OIL & GAS, INC. 60% - oil & gas
 V.I.C.C. 40% - coal, oil, & gas
 GAS 41.56 AC. 70.72 %

COORDINATES OF WELL
 S 23770.07
 W 12990.69
 (AS DRILLED)

VC-2939



BOUNDARY UNIT

BOUNDARY UNIT

LONGITUDE 82°25'00"

LS #244792L / TC-156
 WILLIAM G. BAKER et. als. - surface & gas
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY - coal & oil
 346.46 ACRES
 GAS 17.03 AC. 28.98 %

LS #241490L / T-683
 THOS. BISE
 47.50 ACRES
 CLINCHFIELD COAL COMPANY/
 PYXIS RESOURCES COMPANY - coal
 PINE MOUNTAIN OIL & GAS, INC. - oil & gas
 GAS 0.18 AC. 0.30 %

COORDINATES
 OF BENCHMARK
 S 24976.42
 W 15875.05
 ELEV. = 1911.14'

STATE PLANE COORDINATES
 OF WELL VC-2939
 N 279190.62
 E 853768.74



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 AN IRON PIN FOUND REFERENCE POINT FOR EREC WELL VC-3216.

WELL LOCATION PLAT

11-G-85

COMPANY Equitable Resources Energy Co. WELL NAME AND NUMBER VC - 2939
 TRACT No. 241490L / T-684 ELEVATION 2269.39 (Trig) QUADRANGLE CANEY RIDGE
 COUNTY DICKENSON DISTRICT KENADY SCALE: 1" = 400' DATE OCT. 31, 1996
 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 10/31/96

(AFFIX SEAL)

LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR