

1-19-94

DI-713

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

Operations Name: R.W. CHASE VC3038
Permit #: 2538

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: 10-21-93 Total Depth of Well: LTD=2543 DTD=2570

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: 70 Q FOAM
W/16000# 12/20 SAND - 810500 SCF N2 - 1963 BF
Perforated: 1520.5 TO 2224 No. of Perforations: 15 Perforation Size: .34"
Formation Broke Down at: 1389 PSIG Average Injection Rate: 18.7 BPM (62 DH)
ISIP 1900 PSIG 5 MIN SIP 1714 PSIG Average Injection Pressure 3750 PSIG
Date Stimulated 10-21-93

*GREASY CREEK, L.SEABOARD, M.HORSEPEN, WARCREEK, BECKLEY, L.HORSEPEN, POCO #7

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 _____ PSIG
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 _____ PSIG
Date Stimulated _____

FINAL PRODUCTION: Natural After Stimulation
BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED
Zone (1) _____
Zone (2) _____
Zone (3) _____
Final Production if Gas Zones are Commingled 82 MCFD 6 Hours Tested 330 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 R. Army (Signature)

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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VC 3038 in the ERVINTON District of the DICKENSON County, Virginia on 16TH day, NOVEMBER month, 19 93.

LOCATION

County: DICKENSON District: ERVINTON
 Surface Elevation: 2332.09' Elevation of Kelly Bushing: 2342.1 Quadrangle: NORA
8790 FT. S. of Latitude 37°07'30" and 10760 FT. W. of Longitude 82°17'30"

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

DRILLING DATA

Date Drilling Commenced: 10-11-93 Drilling Contractor: UNION DRILLING
 Date Drilling Completed: 10-15-93 Rig Type: X Rotary Cable Tool
 Total Depth of Well: LTD=2543 DID=2570

GEOLOGICAL DATA

Fresh Water at:	<u>168</u> Feet	<u>1/4"STREAM</u> GPM	<u>1899</u> Feet	<u>DAMP</u> GPM
	<u>1467</u> Feet	<u>DAMP</u> GPM	<u> </u> Feet	<u> </u> GPM
Salt Water at:	<u> </u> Feet	<u> </u> GPM	<u> </u> Feet	<u> </u> GPM
	<u> </u> Feet	<u> </u> GPM	<u> </u> Feet	<u> </u> GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		
				YES	NO	MINED OUT
L. HORSEPEN	1951	1953	2			
POCO #7	2217	2222	5			

GAS AND OIL SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
		2570		30 MCFD		

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

ELECTRIC LOGS AND SURVEYS

List logs run on wellbore: LDT/GR/TEMP

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

SURVEY RESULTS

DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL	DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL
<u>203</u>	<u>1°</u>	<u>1650</u>	<u>3/4°</u>
<u>350</u>	<u>1/2°</u>	<u>1808</u>	<u>3/4°</u>
<u>612</u>	<u>3/4°</u>	<u>1891</u>	<u>3/4°</u>
<u>748</u>	<u>1/2°</u>	<u>2066</u>	<u>3/4°</u>
<u>960</u>	<u>1/2°</u>	<u>2224</u>	<u>1/2°</u>
<u>1025</u>	<u>1/2°</u>	<u>2256</u>	<u>1/2°</u>
<u>1214</u>	<u>1/2°</u>	<u>2471</u>	<u>1/2°</u>
<u>1455</u>	<u>1/2°</u>		

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>	13 3/8"		30'	20'			
<u>Surface</u>	8 5/8"		3/8'	308'	115(136)	10-11-93	
<u>Water Protection</u>							
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	4 1/2" 2 3/8"		2391' 2304.98'	2381'	504(650)	10-15-93	

Liners

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

DRILLER'S LOG

Compiled by ENGINEERING

GEOLOGIC AGE	FORMATION	GENERAL		DEPTH		THICKNESS	REMARKS
		LITHOLOGY	COLOR	TOP	BOTTOM		
PENNSYLVANIAN	SAND, SHALE & THIN COALS		0	1951	1951		
	LOWER HORSEPEN COAL		1951	1953	2		
	SAND, SHALE, THIN COALS		1953	2217	264		
	POCO # 7 COAL		2217	2222	5		
	SAND, SHALE, THIN COALS		2222	2547	325		
MISSISSIPPIAN	RED ROCK & SHALE		2547	2570	23		
	DRILLERS TOTAL DEPTH				2570		
	LOGGERS TOTAL DEPTH				2543		

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph L. Long (Signature)

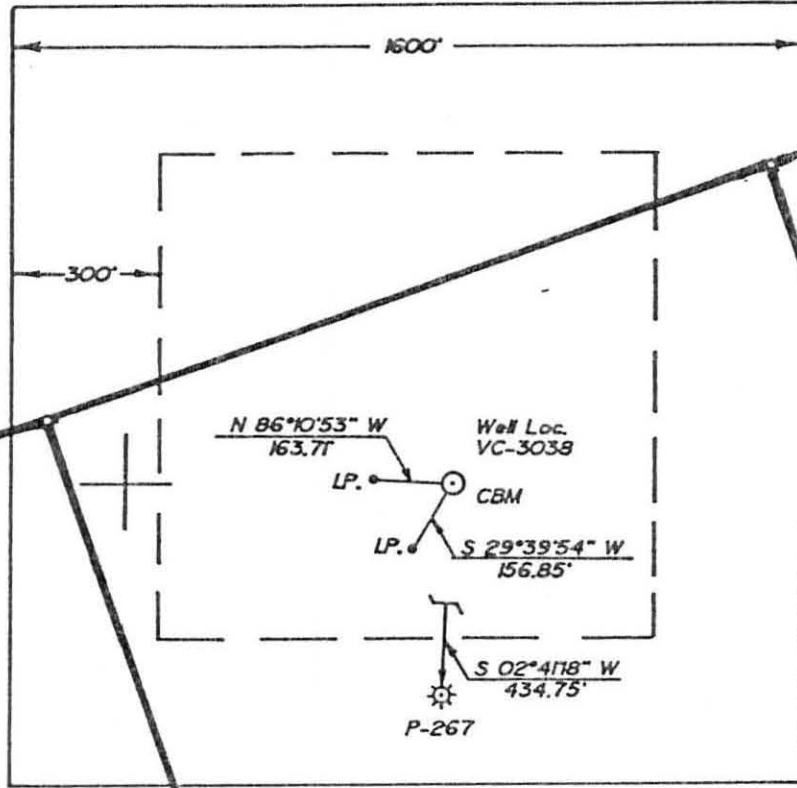
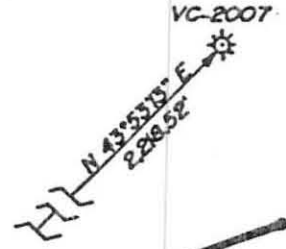
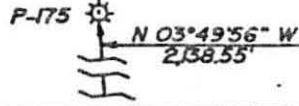
10,760'

Latitude 37° 07' 30"

Longitude 82° 17' 30"

JTE: Elevation determined by Trigonometric leveling from Sandy Monument.

Ls. # PO-148, T-25
Rainwater Ramsey Tr.
1303.00 Ac.
Clinchfield Coal Co. /
Pyxis Resources Co. -
COAL & SURFACE
Pine Mountain Oil & Gas Co. -
OIL & GAS
GAS - 21480 Ac., 36.55%



Ls. # PO-148, T-23
R. E. Chase Tr.
69.00 Ac.
Clinchfield Coal Co. /
Pyxis Resources Co. -
COAL & SURFACE
Pine Mountain Oil & Gas Co. -
OIL & GAS
GAS - 0.265 Ac., 0.45%

Ls. # PO-148, T-7
G. M. Blair Tr.
280.00 Ac.
Clinchfield Coal Co. /
Pyxis Resources Co. -
COAL & SURFACE
Pine Mountain Oil & Gas Co. -
OIL & GAS
GAS - 3.473 Ac., 5.91%

Ls. # PO-148, T-22
R. E. Chase Tr.
60.00 Ac.
Clinchfield Coal Co. /
Pyxis Resources Co. -
COAL & SURFACE
Pine Mountain Oil & Gas Co. -
OIL & GAS
GAS - 33.552 Ac., 57.09%

Clinchfield Coal Co. Coords.
N 314.60
E 15,993.82

State Plane Coords.
N 302,062.56
E 883,728.90

UNIT = 58.770 Ac.

LEGEND
⊙ Proposed Well Loc.
⊙ Offset Well
— Mineral Line
— Surface Line

DWG # 3229

WELL LOCATION PLAT

16-H-87

Company Equitable Resources Exploration Well Name and Number VC-3038

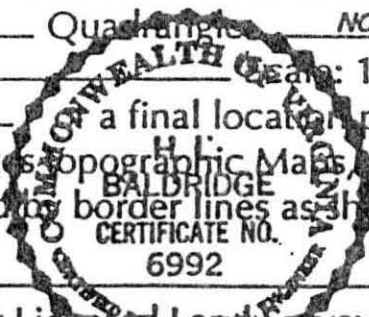
Tract No. T-22 Elevation 2332.09 Quadrangle NORA

County Dickenson District Ervington Scale: 1"=400' Date 08-03-93

This Plat is a new plat X; an updated plat _____; a final location plat _____;

+ 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.

[Handwritten Signature]



(Affix Seal)