

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 10/07/1998 Total Depth of Well: LTD - 2774 DTD - 2790

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 : U HORS, CSEAM, WARCK, UN C, BECKLY, L HORS, XSEAM, POCO9, POCO5 RIDER

Formation Stimulated With: 70Q FOAM

Total Sand Used: 18200 lbs Sand Size: 12/20 Total Acid: 800 gal. Acid Strength: 7.5%

N2 Used: 771200 SCF Total Fluid Injected: 656 bbls.

Perforated: 1809.5 to 2493.5 No. of Perforations: 19 Size: 0.34 "

Formation Broke Down at: 1735 PSIG Average Injection Rate: 75 BPM

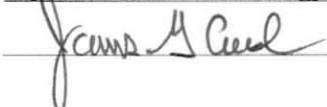
ISIP: 1058 PSIG 5 Min SIP: 980 PSIG Average Injection Pressure: 3498

Date Stimulated: 10/07/1998

FINAL PRODUCTION: _____ Natural X After Stimulation
BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED

Final Production If Gas
Zones are Commingled 47 MCF 6 Hours Tested 125 PSIG 48 Hours Tested

Permittee: Equitable Resources Energy Company (Company)

By:  (Signature)

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DRILLING REPORT

Pursuant to VR-480-05-22.1 § 1.36, the undersigned Permittee submits this report on Well VCP3728 in the KENADY District of DICKENSON County, Virginia on the 19 day, January month, 1999 .

LOCATION

County: DICKENSON District: KENADY
Surface Elevation: 2469.32 Elev of Kelly Bushing: 2479.32 Quadrangle: CANEY RIDGE
5061 Ft. S of Latitude 37 ° 02 ' 30 " and 2074 Ft. W of Longitude 82 ° 22 ' 30 "

DRILLING DATA

Date Drilling Commenced: 09/17/1998 Drilling Contractor: UD 15
Date Drilling Completed: 09/21/1998 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD - 2774 DTD - 2790

GEOLOGICAL DATA

Fresh Water at:
300 feet DAMP 2300 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>
L JAWBONE	1168	1171	3			
U HORSEPEN	1809	1811	2			
C SEAM	1935	1936	1			
WAR CREEK	1965	1966	1			
UNNAMED C	2006	2007	1			
BECKLY	2045	2046	1			
L HORSEPEN	2098	2099	1			
X SEAM	2159	2160	1			
POCO #9	2177	2190	13			
POCO #5-R	2491	2494	3			

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>
		2489		ODOR		
		2503		ODOR		

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>
385	0.25°	433	0.25°
533	0.25°	741	0.25°
941	0.25°	1000	0.25°
1200	0.50°	1400	0.50°
1600	0.50°	1800	0.50°
2000	0.50°	2120	0.50°
2172	0.50°	2280	0.50°
2388	0.75°	2489	0.75°
2503	0.75°		

CASING AND TUBING

	<u>SIZE</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>	<u>CEMENT USED IN CU/FT</u>	<u>DATE CEMENTED</u>	<u>PACKERS OR BRIDGE PLUGS KIND SIZE SET AT</u>
<u>Conductor Pipe</u>	11.750	0.00	38.00	38.00			
<u>Surface Casing</u>	8.625	0.00	485.00	485.00	295	9/18/98	
<u>Production Casing</u>	4.500	0.00	2758.00	2758.00	711	9/21/98	
<u>Tubing String 1</u>	2.375	0.00	2649.00	2649.00			

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

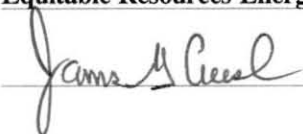
DRILLER'S LOG

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	L JAWBONE			1168	1171	3	
PENN	U HORSEPEN			1809	1811	2	
PENN	C SEAM			1935	1936	1	
PENN	WAR CREEK			1965	1966	1	
PENN	UNNAMED C			2006	2007	1	
PENN	BECKLY			2045	2046	1	
PENN	L HORSEPEN			2098	2099	1	
PENN	X SEAM			2159	2160	1	
PENN	POCO #9			2177	2190	13	
PENN	POCO #5-R			2491	2494	3	
LOGGER'S TOTAL DEPTH					2774		

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

Permittee: Equitable Resources Energy Company (Company)

By:  (Signature)

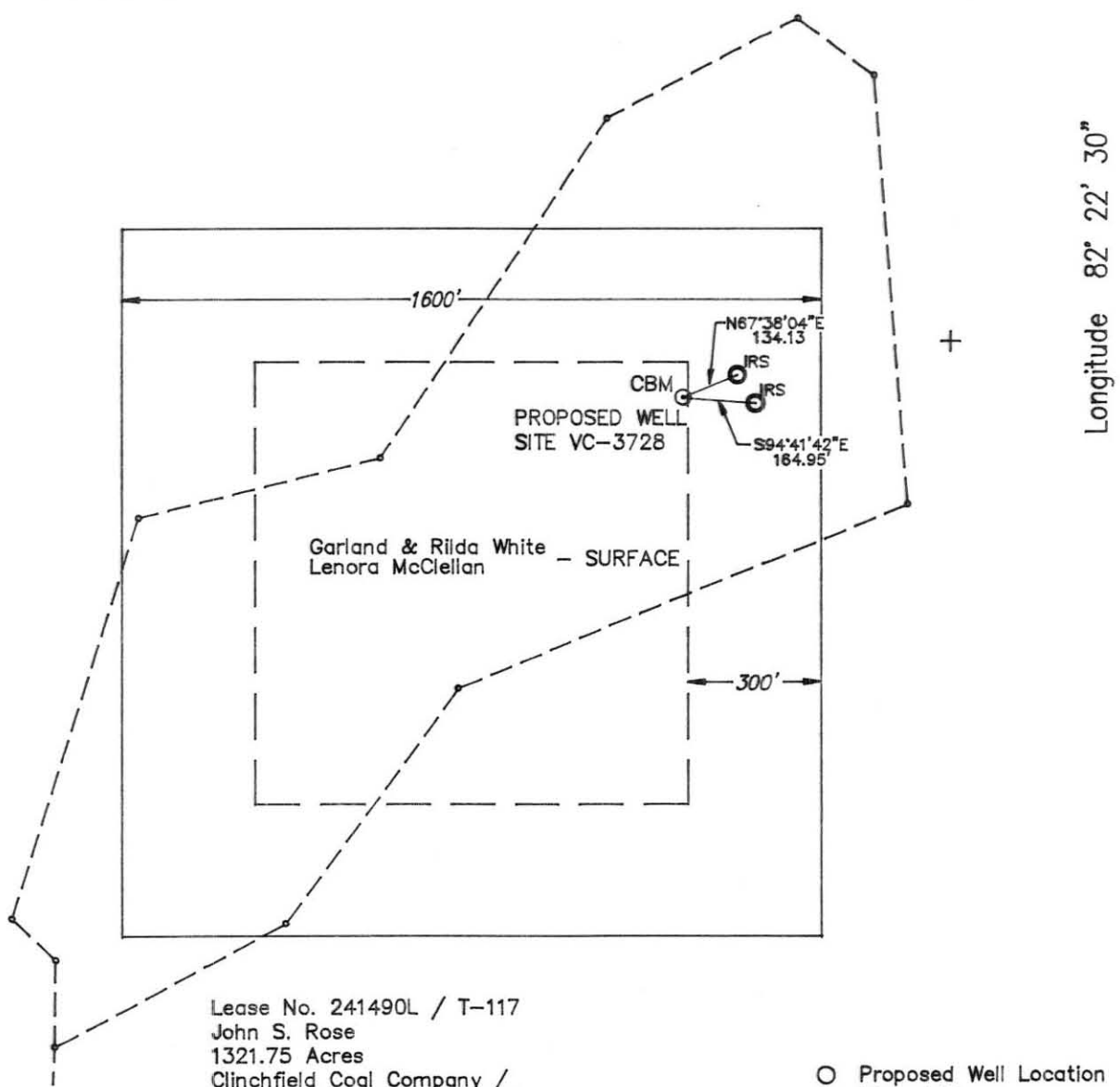
Note: Elevation determined by
Trigonometric Leveling from
EREC Well VC-1872 references.

Latitude 37° 02' 30"

2,074'

5,061'

Longitude 82° 22' 30"



Garland & Rilda White - SURFACE
Lenora McClellan

Lease No. 241490L / T-117
John S. Rose
1321.75 Acres
Clinchfield Coal Company /
Pyxis Resources Company / surface & coal
Pine Mountain Oil & Gas, Inc. - oil & gas
Gas 58.77 Ac. 100%

- Proposed Well Location
- Mineral Line
- - - Surface Line

Well Coordinates: (VA St. Plane S. Zone,
Calculated from CCC coordinates)
N 276,129 E 867,045

Well Coordinates: (Clinchfield Coal Co.)
S 26,279.90 E 389.15

Area of Unit = 58.77 Ac.

WELL LOCATION PLAT

COMPANY Equitable Resources Energy Company WELL NAME AND NUMBER VC-3728
TRACT NO. T-117 ELEVATION 2464.59 QUADRANGLE Caney Ridge
COUNTY Dickenson DISTRICT Kenady SCALE 1" = 400' DATE 09-18-98

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.

Greg Mullins
Licensed Land Surveyor

