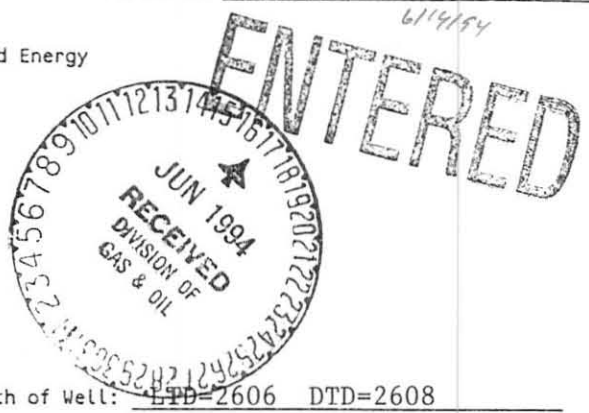


DL-725

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

Operations Name: E. S. Counts VCP 2979
Permit #: 2600

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 X or Injection ___ well

Date Well Completed: 3-17-94 Total Depth of Well: 2606 DTD=2608

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/ 17800# 12/20 sand - 1002310 SCF N₂ - 2261 BF

Perforated: 1493 TO 2012 No. of Perforations: 16 Perforation Size: .34"
Formation Broke Down at: 1083 PSIG Average Injection Rate: 6.11 BPM (20.4 DH)
ISIP 2345 PSIG 5 MIN SIP 1523 PSIG Average Injection Pressure 3733 PSIG
Date Stimulated 3-17-94

*Greasy Creek, M. Seaboard, U. Horsepen, M. Horsepen, C-Seam, Warcreek, Beckley, L. Horsepen

Zone 2: _____ Formation Stimulated With: _____ and X-Seam

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 _____ X After Stimulation

	BOD	MCFD	HOURS TESTED	ROCK PRESSURE	HOURS TESTED
Zone (1)					
Zone (2)					
Zone (3)					
Final Production if Gas Zones are Commingled	<u>27</u>	<u>6</u>	<u>6</u> Hours Tested	<u>310</u> PSIG	<u>48</u> Hours Tested

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

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)
By: Joseph A. Aung (Signature)

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

Operations Name: E.S. COUNTS VCP2979
Permit #: 2600

Department of Mines, Minerals and Energy
Division of Gas and Oil
P. O. Box 1416
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 VCP 2979 in the SAND LICK District of the DICKENSON County, Virginia on 30th day, MARCH month, 19 94.

LOCATION

County: DICKENSON District: SANDLICK
Surface Elevation: 2272.87' Elevation of Kelly Bushing: 2282.87 Quadrangle: NORA
6910 FT. S. of Latitude 37° 07' 30" and 8640 FT. W. of Longitude 82° 15' 00"

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

DRILLING DATA

Date Drilling Commenced: 1-22-94 Drilling Contractor: UNION DRILLING
Date Drilling Completed: 1-26-94 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD=2606 DTD=2608

GEOLOGICAL DATA

Fresh Water at: 267 Feet DAMP GPM Feet GPM
1341 Feet DAMP GPM Feet GPM
Salt Water at: Feet GPM Feet GPM
 Feet GPM Feet GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		
				YES	NO	MINED OUT
JAWBONE	1088	1091	3			
TILLER	1207	1209	2			
U. SEABOARD	1310	1312	2			
WARCREEK	1842	1844	2			
L. HORSEPEN	1959	1962	3			
X-SEAM	2011	2013	2			
POCO #2 (SPLIT)	2475	2478	3			

GAS AND OIL SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
		2608		60M		

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: SLD/TEMP/GR

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
192	3/4°	1702	1/2°
376	3/4°	1735	1/2°
397	3/4°	1843	1/2°
597	1 1/4°	1961	1/2°
797	1°	2010	1/2°
1020	1 1/4°	2210	1 1/2°
1220	1°	2410	1 1/2°
1420	3/4°	2508	1 1/2°
1562	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"		37'				
<u>Water Protection</u>	8 5/8"		320'	310'	110(130)	1-22-94	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	4 1/2" 2 3/8"		2563' 2064.71'	2553'	560(722)	1-26-94	

Liners

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

DRILLER'S LOG

Compiled by ENGINEERING

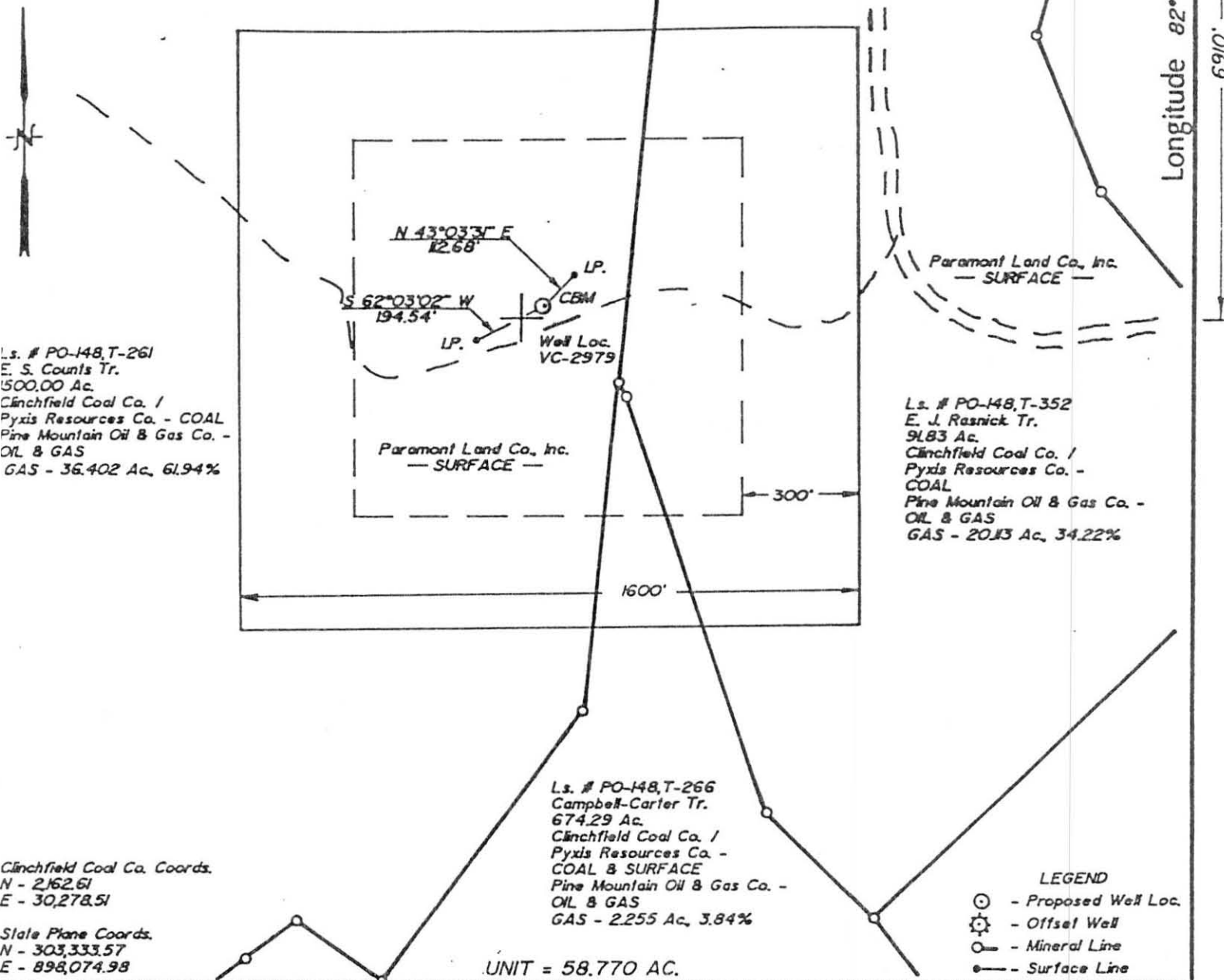
GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DEPTH		THICKNESS	REMARKS
				TOP	BOTTOM		
ENNSYLVANIAN	SAND, SHALE & THIN COALS			0	1088	1088	
	JAWBONE COAL			1088	1091	3	
	SAND, SHALE & THIN COALS			1091	1207	116	
	TILLER COAL			1207	1209	2	
	SAND, SHALE & THIN COALS			1209	1310	101	
	UPPER SEABOARD COAL			1310	1312	2	
	SAND, SHALE & THIN COALS			1312	1842	530	
	WARCREEK COAL			1842	1844	2	
	SAND, SHALE & THIN COALS			1844	1959	115	
	LOWER HORSEPEN COAL			1959	1962	3	
	SAND, SHALE & THIN COALS			1962	2011	49	
	X-SEAM COAL			2011	2013	2	
	SAND, SHALE & THIN COALS			2013	2475	462	
	POCO #2 COAL (SPLIT)			2475	2478	3	
ISSISSIPPIAN	SAND, SHALE & THIN COALS			2478	2545	67	
	RED ROCK & SHALE			2545	2606	61	

LOGGERS' TOTAL DEPTH 2606

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph A. Almy (Signature)

determined by
metric leveling from
Clinchfield # 6.



L.s. # PO-148, T-261
E. S. Counts Tr.
1500.00 Ac.
Clinchfield Coal Co. /
Pyxis Resources Co. - COAL
Pine Mountain Oil & Gas Co. -
OIL & GAS
GAS - 36.402 Ac, 61.94%

L.s. # PO-148, T-352
E. J. Rasnick Tr.
91.83 Ac.
Clinchfield Coal Co. /
Pyxis Resources Co. -
COAL
Pine Mountain Oil & Gas Co. -
OIL & GAS
GAS - 20.13 Ac, 34.22%

L.s. # PO-148, T-266
Campbell-Carter Tr.
674.29 Ac.
Clinchfield Coal Co. /
Pyxis Resources Co. -
COAL & SURFACE
Pine Mountain Oil & Gas Co. -
OIL & GAS
GAS - 2.255 Ac, 3.84%

Clinchfield Coal Co. Coords.
N - 2162.61
E - 30278.51

State Plane Coords.
N - 303,333.57
E - 898,074.98

LEGEND
 ⊙ - Proposed Well Loc.
 ⊕ - Offset Well
 ○ - Mineral Line
 — - Surface Line

WELL LOCATION PLAT

19-H-87

DWG. # 321

Company Equitable Resources Exploration Well Name and Number VC-2979

Tract No. T-261 Elevation 2272.87 Quadrangle Nora

County Dickenson District Ervin Scale: 1"=400' Date 07-20-93

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.

W. H. Baldrige



(Affix Seal)