

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

Operations Name: D C DAVIS
Permit #: 3502

Well #: VC3713
VA File #: DI-0867

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: Oil ___ Gas ___ Coalbed Methane X or Injection ___ well

Date Well Completed: 10/28/97 Total Depth of Well: LTD - 2583 DTD - 2590

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/
15300# 12/20 SAND - 655,000 SCF N2 - 592 BF

Perforated:	<u>1851.5</u>	to:	<u>2060.5</u>	No. of Perforations:	<u>13</u>	Size:	<u>0.34"</u>
Formation Broke Down at:	<u>1836</u>	PSIG		Average Injection Rate:	<u>47</u>	BPM	
ISIP:	<u>1607</u>	PSIG	5 Min SIP: <u>1552</u>	PSIG Average Injection	<u>3726</u>	Pressure	
Date Stimulated:	<u>10/28/97</u>						

* C-SEAM, WARCREEK, UNNAMED "C", BECKLEY, X-SEAM

Zone 2: _____ 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:	_____						

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	<u>X</u>	After Stimulation				
	<u>BOD</u>	<u>MCFD</u>	<u>HOURS TESTED</u>	<u>ROCK PRESSURE</u>	<u>HOURS TESTED</u>			
Zone (1)								
Zone (2)								
Zone (3)								
Final Production if Gas								
Zones are Commingled	<u>55</u>	<u>MCFD</u>	<u>6</u>	<u>Hours Tested</u>	<u>22</u>	<u>PSIG</u>	<u>48</u>	<u>Hours Tested</u>

*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)

ENTERED

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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VC3713 in the
ERVINTON District of the DICKENSON County, Virginia on 2nd day,
JANUARY month, 1998.

LOCATION

County: DICKENSON District: ERVINTON
Surface Elevation: 2368.38 Elev of Kelly Bushing: 2378.38 Quadrangle: NORA
1870 Ft. S of Latitude 37 05 00 and 345 Ft. W of Longitude 82 15 00

DRILLING DATA

Date Drilling Commenced: 10/8/97 Drilling Contractor: UNION DRILLING
Date Drilling Completed: 10/12/97 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD - 2583 DTD - 2590

GEOLOGICAL DATA

Fresh Water at:	310	feet	DAMP	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>
KENNEDY	685	687	2			
AILY	835	837	2			
RAVEN	942	944	2			
JAWBONE	1074	1078	4			
WARCREEK	1888	1890	2			
BECKLEY	1943	1946	3			
X-SEAM	2059	2061	2			

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>
		<u>2381/2563/</u>	<u>2590</u>	<u>ODOR</u>		

Cuttings or samples are

are not
have not

 available for examination by a member of the Virginia Division of Mineral Resources
 Cuttings or samples have

are not
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

<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL</u>	<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL</u>
152	1/4°	1742	1/2°
312	1/4°	1849	1/2°
512	1/4°	1942	1 1/2°
623	1/2°	2055	1 3/4°
823	1/2°	2255	1 1/2°
1023	1/2°	2340	1 1/2°
1223	1 1/2°	2540	1 1/2°
1360	1 3/4°		
1560	1/2°		
1581	1/2°		

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</u>	11 3/4		32	25	GROUTED		
<u>Surface</u>							
<u>Water Protection</u>	8 5/8		410	400	140(165)	10/9/97	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	4 1/2		2550	2540	520(655)	10/12/97	
	2 3/8		2288.7				

Liners

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

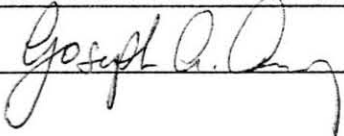
DRILLER'S LOG

Compiled by: ENGINEERING

AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DEPTH		THICKNESS	REMARKS
				TOP	BOTTOM		
PENN	SAND, SHALE & THIN COALS	KENNEDY		0	685	685	
	SAND, SHALE & THIN COALS	AILY		685	687	2	
	SAND, SHALE & THIN COALS	RAVEN		687	835	148	
	SAND, SHALE & THIN COALS	JAWBONE		835	837	2	
	SAND, SHALE & THIN COALS	WARCREEK		837	942	105	
	SAND, SHALE & THIN COALS	BECKLEY		942	944	2	
	SAND, SHALE & THIN COALS	X-SEAM		944	1074	130	
	SAND, SHALE & THIN COALS			1074	1078	4	
	SAND, SHALE & THIN COALS			1078	1888	810	
	SAND, SHALE & THIN COALS			1888	1890	2	
	SAND, SHALE & THIN COALS			1890	1943	53	
	SAND, SHALE & THIN COALS			1943	1946	3	
	SAND, SHALE & THIN COALS			1946	2059	113	
	SAND, SHALE & THIN COALS			2059	2061	2	
	SAND, SHALE & THIN COALS			2061	2583	522	

LOGGER'S TOTAL DEPTH 2583

Permittee: EQUITABLE RESOURCES ENERGY COMPANY (Company)

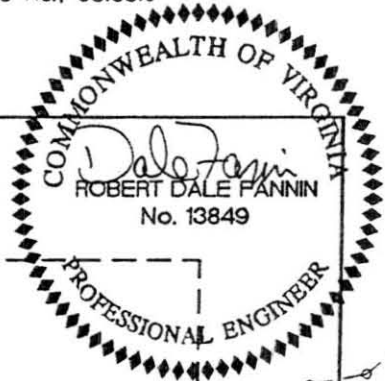
By:  (Signature)

THE PURPOSE OF THIS PLAT IS TO SHOW THE PROPOSED WELL, ITS COORDINATES, AND ELEVATION. PROPERTY LINE INFORMATION, SURFACE OWNERSHIP AND MINERAL OWNERSHIP ARE BASED ON PRELIMINARY INFORMATION PROVIDED BY EQUITABLE RESOURCES AND IS SUBJECT TO CHANGE BEFORE FINAL APPROVAL

Latitude 37°05'00" 345'

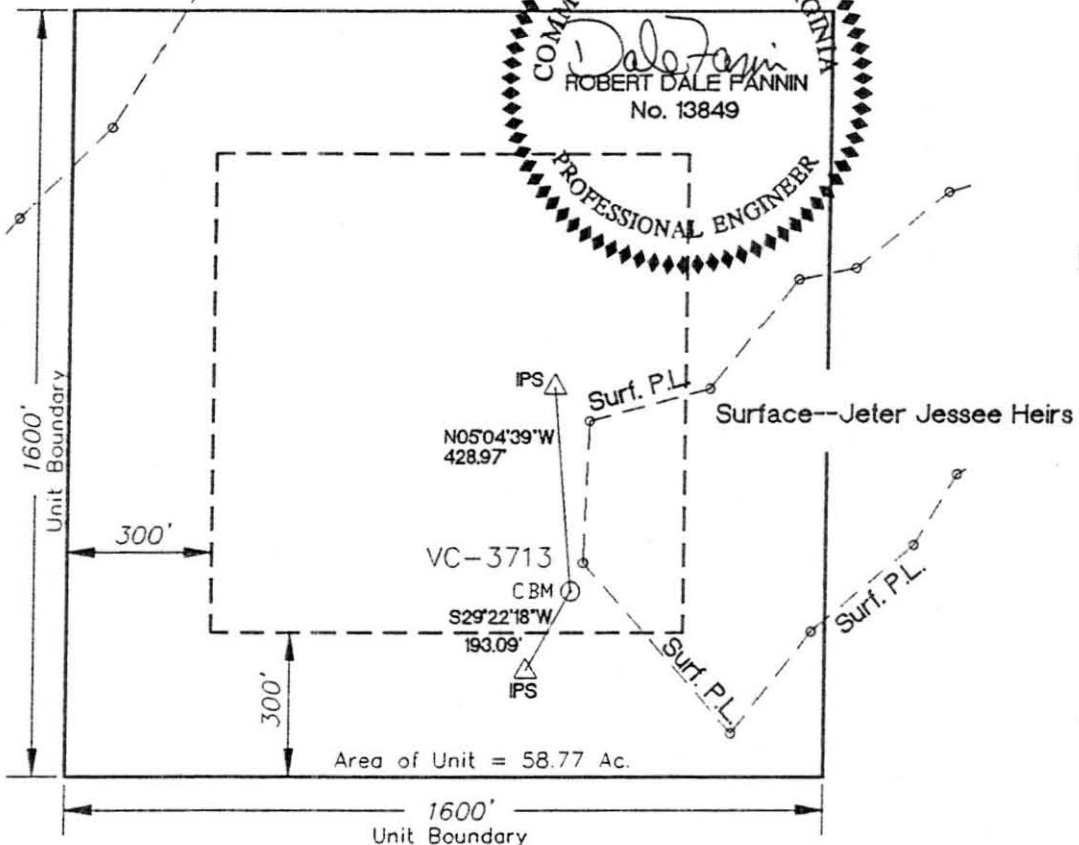
Ls. # PO-241640L/T2-126
J.B. TRIVITT
305.2 Acres
CLINCHFIELD COAL COMPANY/
PRXIS RESOURCES COMPANY - COAL
PINE MOUNTAIN OIL AND GAS-OIL & GAS
Gas 0.972 Ac., 1.65%

Ls. # 241490L/T-277
D.C. DAVIS
449.84 Acres
CLINCHFIELD COAL COMPANY/
PRXIS RESOURCES COMPANY - COAL
PINE MOUNTAIN OIL AND GAS-OIL & GAS
Gas 57.798 Ac., 98.35%



1,870'

Longitude 82°15'00"



Area of Unit = 58.77 Ac.

WELL COORDINATES ARE BASED ON CLINCHFIELD COAL COMPANY'S COORDINATE SYSTEM.
STATE PLANE COORDINATES ARE CALCULATED FROM CLINCHFIELD COAL COMPANY COORDINATES.
WELL ELEVATION IS BASED ON TRIG LEVELING FROM CCC-ASHBY MONUMENT
WELL COORDINATES: State Plane Coords. N 292,928.28 E 905,965.52
Clinchfield Coal Co. Coords. S 7,920.24 E 38,577.33

FINAL

Property Lines:
Solid = Surveyed
Broken = Non-Surveyed

WELL LOCATION PLAT
COMPANY Equitable Resources Energy Company WELL NAME AND NO. VC-3713
TRACT NO. T-277 ELEVATION: 2356.50' (Trig.) QUADRANGLE: NORA, VA
COUNTY: Dickenson DISTRICT: Ervington SCALE: 1"=400' DATE: 12/8/97

This plat is a new plat ; an updated plat ; or a final location plat **FINAL**

+ Denotes the location of a well on United States topographic Maps, scale 1 to 24,000, latitude and the longitude lines being represented by border lines as shown.

Dale Fannin

Licensed Professional Engineer or Licensed Land Surveyor