

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

Operations Name: James Dunn VC3035  
Permit #: 2794

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 VC3035 in the Lipps District of the Wise County, Virginia on 2nd day December month, 1994.

LOCATION

County: Wise District: Lipps  
Surface Elevation: 2674.95 Elevation of Kelly Bushing: 2684.95 Quadrangle: Caney Ridge  
12350 FT. S. of Latitude 37°02'30" and 4100 FT. W. of Longitude 82°27'30"

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

DRILLING DATA

Date Drilling Commenced: 10-29-94 Drilling Contractor: Union Drilling  
Date Drilling Completed: 11-2-94 Rig Type:  Rotary  Cable Tool  
Total Depth of Well: LTD=2830 DTD=2825

GEOLOGICAL DATA

Fresh Water at: 40 Feet Damp GPM \_\_\_\_\_ Feet \_\_\_\_\_ GPM  
400 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
X-Seam	2333	2336	3			
Poco #8 (Split)	2443	2449	6			
Poco #4	2631	2633	2			

GAS AND OIL SHOWS: None Reported

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

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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
191	3/4°	1735	1°
400	1/4°	1952	1°
541	3/4°	2109	3/4°
600	1°	2160	3/4°
615	1°	2214	3/4°
838	1/2°	2330	3/4°
1055	3/4°	2362	3/4°
1255	1/2°	2525	1°
1455	1/4°	2719	1°
1591	1/4°		

#### CASING AND TUBING

	SIZE	TOP	BOTTOM	LENGTH	CEMENT USED	DATE	PACKERS OR BRIDGE PLUGS			
					IN CU/FT	CEMENTED	KIND	SIZE	SET AT	
<u>Conductor</u>										
<u>Surface</u>	11 3/4"		28'							
<u>Water Protection</u>	8 5/8"		320'	310'	90(106)	10-30-94				
<u>Coal Protection</u>										
<u>Other Casing and Tubing Left in Well</u>	4 1/2"		2790'	2780'	484(697)	11-2-94				

#### Liners

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

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## DRILLER'S LOG

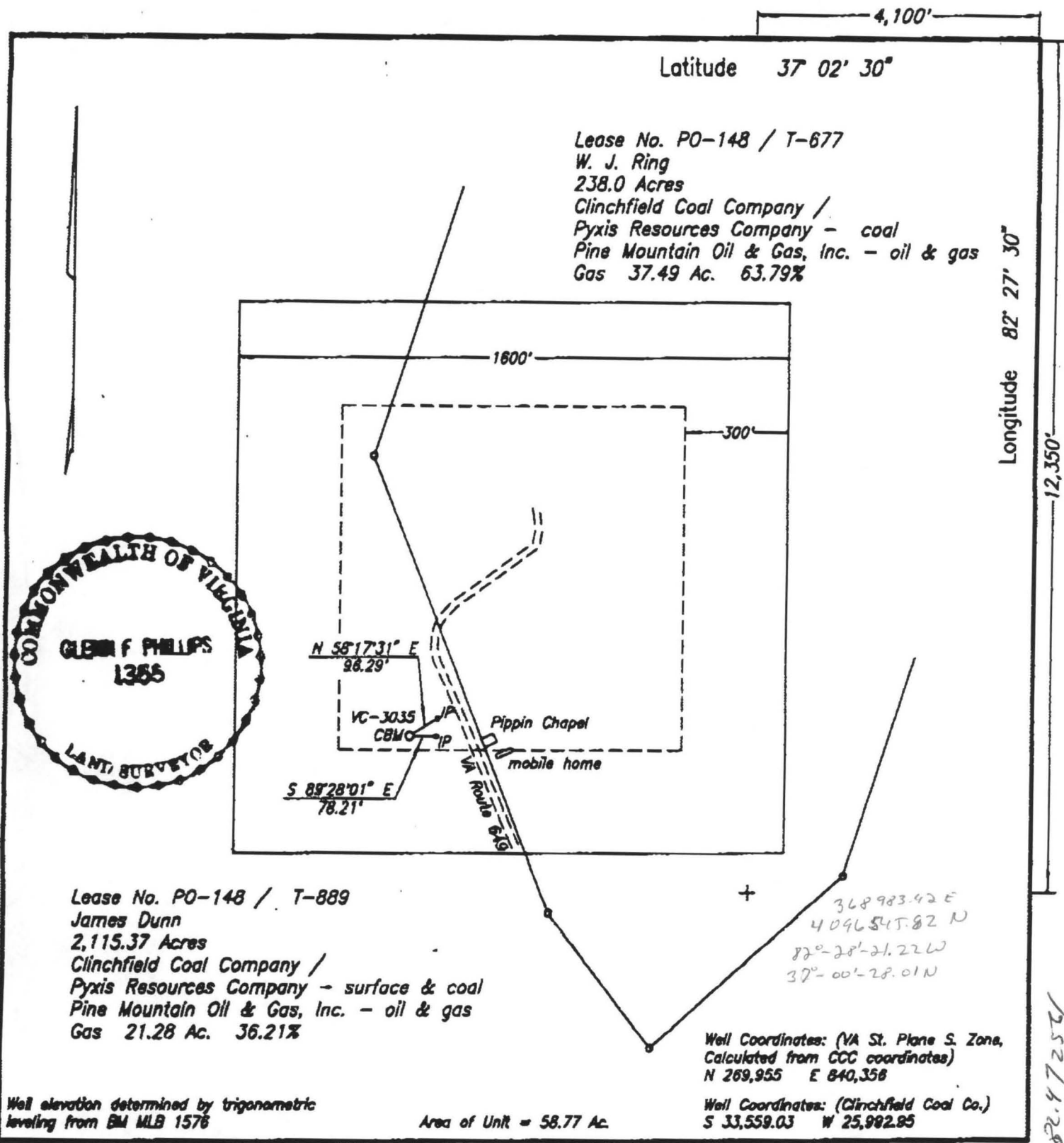
Compiled by Engineering

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DEPTH		THICKNESS	REMARKS
				TOP	BOTTOM		
Pennsylvanian	Sand, Shale & Thin Coals			0	2333	2333	
	X-Seam Coal			2333	2336	3	
	Sand, Shale & Thin Coals			2336	2443	107	
	Poco #8 Coal (Split)			2443	2449	6	
	Sand Shale & Thin Coals			2449	2631	182	
	Poco #4 Coal			2631	2633	2	
	Sand Shale & Thin Coals			2633	2830	197	

Logger's Total Depth 2830

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph R. Cury (Signature)



WELL LOCATION PLAT

24-G-85

COMPANY Equitable Resources Exploration WELL NAME AND NUMBER VC-3035  
 TRACT NO. PO-148 / T-889 ELEVATION 2674.95 QUADRANGLE Caney Ridge  
 COUNTY Wise DISTRICT Lipps SCALE 1" = 400' DATE 7-21-1993

This Plat is a new plat X; an updated plat       ; or 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.

Glenn F. Phillips  
 Licensed Professional Engineer or Licensed Land Surveyor

82.47252  
37.00770

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

Operations Name: JAMES DUNN VC3035  
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WS-412

Confid.  
2-10-95

Department of Mines, Minerals and Energy  
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COMPLETION REPORT

WELL TYPE: Oil  Gas  Coalbed Methane  or Injection  well

Date Well Completed: 11-10-94 Total Depth of Well: LTD=2830 DTD=2825

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/19000# 12/20 SAND - 1023580 SCF N2 - 2102 BF - 700 gal 7.5% HCL ACID

Perforated: 2112.5 TO 2632 No. of Perforations: 17 Perforation Size: .34"

Formation Broke Down at: 1131 PSIG Average Injection Rate: 16.22 BPM (52 DH)

ISIP 2117 PSIG 5 MIN SIP 2064 PSIG Average Injection Pressure 3573 PSIG

Date Stimulated 11-10-94

\*C-SEAM, UNNAMED"C", BECKLEY, L.HORSEPEN, X-SEAM, POCO #9, POCO #8, POCO #7, POCO #4

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 10 MCFD 6 Hours Tested 580 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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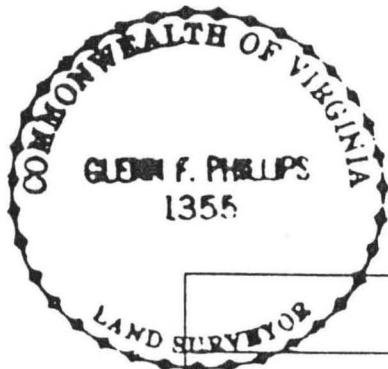
Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph R. O'Leary (Signature)



4,100'

Latitude 37° 02' 30"



Lease No. PO-148 / T-677

W. J. Ring

238.0 Acres

Clinchfield Coal Company /

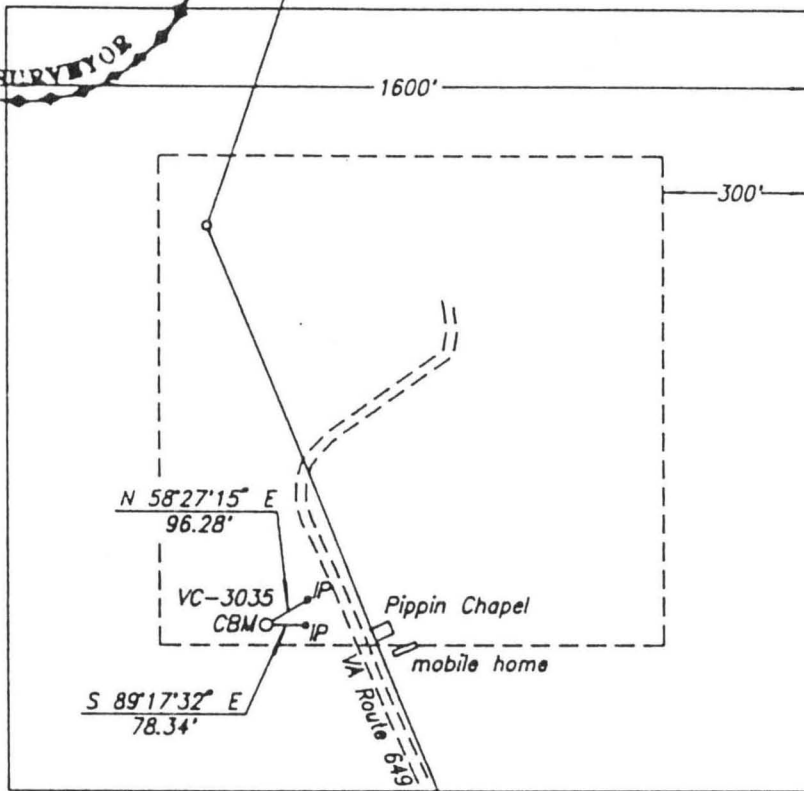
Pyxis Resources Company - coal

Pine Mountain Oil & Gas, Inc. - oil & gas

Gas 37.49 Ac. 63.79%

Longitude 82° 27' 30"

12,350'



Lease No. PO-148 / T-889

James Dunn

2,115.37 Acres

Clinchfield Coal Company /

Pyxis Resources Company - surface & coal

Pine Mountain Oil & Gas, Inc. - oil & gas

Gas 21.28 Ac. 36.21%

**FINAL PLAT**

Well Coordinates: (VA St. Plane S. Zone,  
Calculated from CCC coordinates)  
N 269,955 E 840,356

Well Coordinates: (Clinchfield Coal Co.)  
S 33,558.79 W 25,993.08

Well elevation determined by trigonometric  
leveling from BM MLB 1576

Area of Unit = 58.77 Ac.

WELL LOCATION PLAT

24-C-85

COMPANY Equitable Resources Exploration WELL NAME AND NUMBER VC-3035  
 TRACT NO. PO-148 / T-889 ELEVATION 2674.74 QUADRANGLE Caney Ridge  
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This Plat is a new plat    ; an updated plat    ; or a final location plat x

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*Glen F. Phillips*

Licensed Professional Engineer or Licensed Land Surveyor