

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: 5/19/97 Total Depth of Well: LTD - 2777 DTD - 2770



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/
36300# 12/20 SAND - 670000 SCF N2

Perforated: 1889.5 to: 2405.5 No. of Perforations: 11 Size: 0.34"
Formation Broke Down at: 2042 PSIG Average Injection Rate: 11.8 (39) BPM
ISIP: 1657 PSIG 5 Min SIP: 1525 PSIG Average Injection Pressure 3780
Date Stimulated: 5/19/97

*U HORSEPEN, C-SEAM, WARCREEK, UNNAMED "C", BECKLEY, L HORSEPEN, X-SEAM, POCO #7

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	X	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>16</u>	<u>MCFD</u>	<u>6</u>	Hours Tested
			<u>440</u>	PSIG
			<u>48</u>	Hours Tested

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

Permittee: EQUITABLE RESOURCES ENERGY COMPANY (Company)

By: Joseph A. Army (Signature)

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

Operations Name: H ADKINS
Permit #: 3202

Well #: VCP3611
VA File #: DI-0823

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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VCP3611 in the
KENADY District of the DICKENSON County, Virginia on 1ST day,
AUGUST month, 1997.

LOCATION

County: DICKENSON District: KENADY
Surface Elevation: 2544.6 Elev of Kelly Bushing: 2554.6 Quadrangle: CANEY RIDGE
8400 Ft. S of Latitude 37 02 30 and 10660 Ft. W of Longitude 82 25 00

DRILLING DATA

Date Drilling Commenced: 5/2/97 Drilling Contractor: UNION DRILLING
Date Drilling Completed: 5/6/97 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD - 2777 DTD - 2770

GEOLOGICAL DATA

Fresh Water at:	130 feet	2.5-3" STREAM	GPM	344 feet	1.5-2" STREAM	GPM
	2618 feet	DAMP	GPM	feet		GPM
			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>
U HORSEPEN	1889	1891	2			
UNNAMED "C"	2068	2070	2			
BECKLEY	2086	2088	2			
L HORSEPEN	2148	2150	2			
POCO #7	2403	2406	3			
POCO #5	2498	2500	2			
POCO #2	2633	2637	4			

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>
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2770

ODOR

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

Operations Name: H ADKINS
 Permit #: 3202

Well #: VCP3611
 VA File #: DI-0823

Cuttings or samples are are not available for examination by a member of the Virginia Division of Mineral Resources
 Cuttings or samples have 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 X No

SURVEY RESULTS

DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL	DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL
200	1/4°	1600	3/4°
272	1/4°	1800	3/4°
400	1/2°	2000	1°
476	1/2°	2141	1°
540	1/2°	2200	1°
600	1/2°	2230	1°
800	1/2°	2288	1°
1000	1/2°	2400	3/4°
1200	1/2°	2589	1°
1400	1/2°	2619	1°

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		30	20	GROUTED	5/2/97	
<u>Water Protection</u>							
	8 5/8		539	529	160(189)	5/3/97	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	4 1/2		2711	2701	600(774)	5/6/97	
	2 3/8		2566.02				

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			0	1889	1889	
	U HORSEPEN			1889	1891	2	
	SAND, SHALE & THIN COALS			1891	2068	177	
	UNNAMED "C"			2068	2070	2	
	SAND, SHALE & THIN COALS			2070	2086	16	
	BECKLEY			2086	2088	2	
	SAND, SHALE & ;THIN COALS			2088	2148	60	
	L HORSEPEN			2148	2150	2	
	SAND, SHALE & THIN COALS			2150	2403	253	
	POCO #7			2403	2406	2	
	SAND, SHALE & THIN COALS			2406	2498	92	
	POCO #5			2498	2500	2	
	SAND, SHALE & THIN COALS			2500	2633	133	
	POCO #2			2633	2637	4	
SAND, SHALE & ;THIN COALS			2637	2777	140		
	LOGGER'S TOTAL DEPTH				2777		

Permittee: EQUITABLE RESOURCES ENERGY COMPANY (Company)

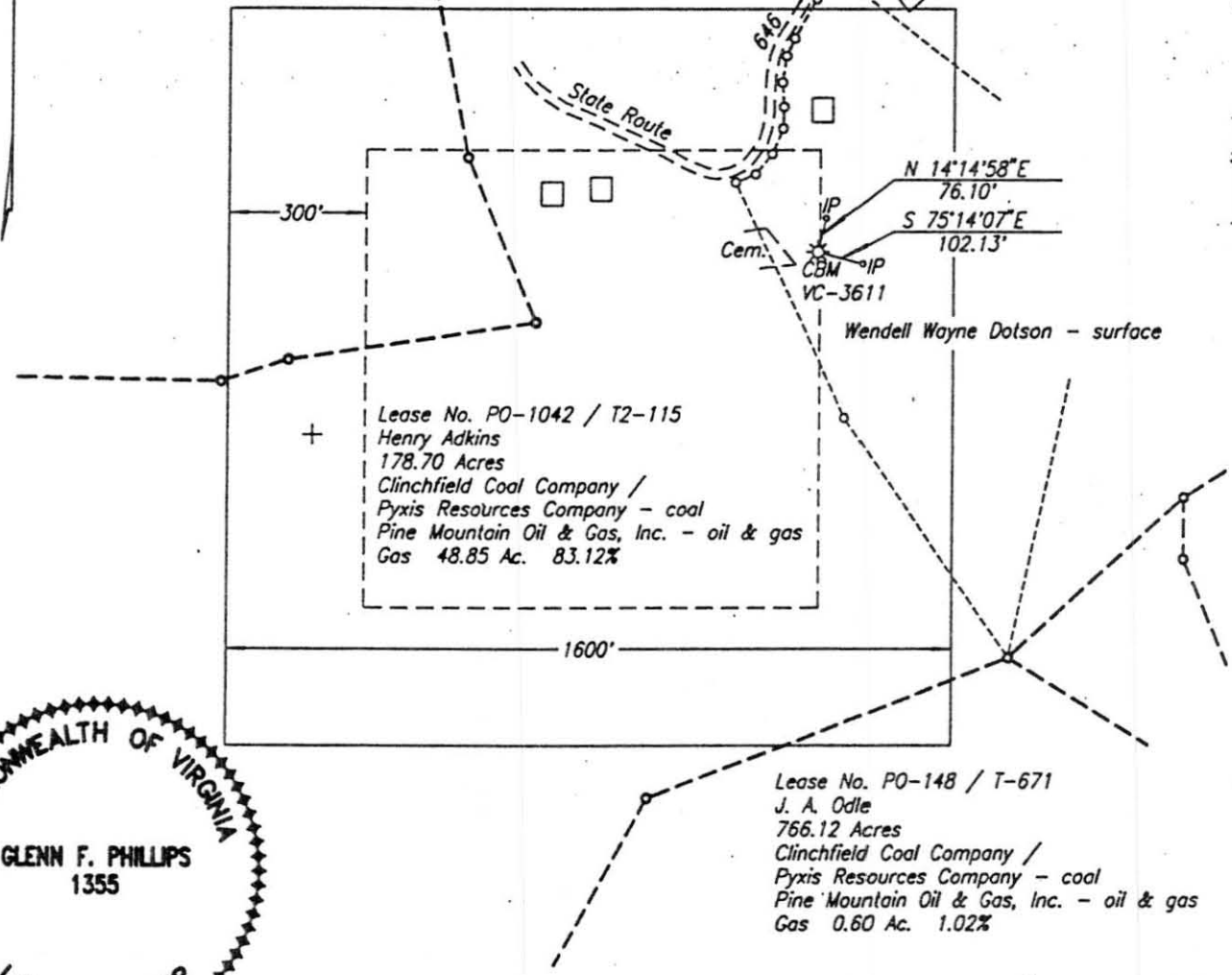
By: Joseph A. Perry (Signature)

Latitude 37° 02' 30"

Longitude 82° 25' 00"

Lease No. PO-148 / T-638
 G. W. Chapman
 106 Acres
 Clinchfield Coal Company /
 Pyxis Resources Company - coal
 Pine Mountain Oil & Gas, Inc. - oil & gas
 Gas 9.32 Ac. 15.86%

Note: Road & House locations
 taken from the Caney Ridge
 USGS 7.5 minute quad



Well elevation determined by GPS
 Survey from BM MLB 1576

FINAL PLAT

Area of Unit = 58.77 Ac.

Lease No. PO-148 / T-671
 J. A. Odle
 766.12 Acres
 Clinchfield Coal Company /
 Pyxis Resources Company - coal
 Pine Mountain Oil & Gas, Inc. - oil & gas
 Gas 0.60 Ac. 1.02%

Well Coordinates: (VA St. Plane S. Zone,
 Calculated from CCC coordinates)
 N 273,653 E 846,110

Well Coordinates: (Clinchfield Coal Co.)
 S 29,622.40 W 20,405.26

WELL LOCATION PLAT

18-G-85

COMPANY Equitable Resources Energy Company WELL NAME AND NUMBER VC-3611
 TRACT NO. T2-115 ELEVATION 2544.59 QUADRANGLE Caney Ridge
 COUNTY Dickenson DISTRICT Kenady SCALE 1" = 400' DATE 5-2-1997

This Plat is a new plat ; 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