

*Confid. until
13-92*

DS-618

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: 1-13-92 Total Depth of Well: LTD=2584 DTD=2589

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

C-SEAM

Zone 1: BECKLEY, UNNAMED "C", WARCREEK, Formation Stimulated With: 70 Q FOAM/LE
W/10254 # 12/20 SAND - 713000 SCF N2 - 666 BF

Perforated: 1840 TO 1927.5 No. of Perforations: 12 Perforation Size: .34"
Formation Broke Down at: 2240 PSIG Average Injection Rate: 12.2 BPM (38.7 DH)
ISIP 1530 PSIG 5 MIN SIP 1370 PSIG Average Injection Pressure 3505 PS
Date Stimulated 1-13-92

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 _____ PS
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 _____ PS
Date Stimulated _____

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

Zone (1) _____
Zone (2) _____
Zone (3) _____

Final Production if Gas Zones are Commingled 47 MCFD 6 Hours Tested 405 PSIG 48 Hours Test

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

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: *Joseph A. [Signature]* (Signature)

ENTERED

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 VC2145 in the ERVINTON District of the DICKENSON City/County, Virginia on 24 day, FEBRUARY month, 19 92.

LOCATION

City/County: DICKENSON District: ERVINTON
Surface Elevation: 2368.30 Elevation of Kelly Bushing: 2374.3 Quadrangle: DUTY
1120 FT. S. of Latitude 37° 05' 00" and 11120 FT. W. of Longitude 82° 12' 30"

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

DRILLING DATA

Date Drilling Commenced: 12-31-91 Drilling Contractor: GASCO DRILLING INC.
Date Drilling Completed: 1-4-92 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD=2584 DTD=2589

GEOLOGICAL DATA

Fresh Water at:	_____	Feet	_____	GPM	_____	Feet	_____	GPM
Salt Water at:	<u>2517</u>	Feet	<u>WET</u>	<u>-GPM</u>	_____	Feet	_____	GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		
				YES	NO	MINED OUT
WARCREEK	1833	1836	3		X	
BECKLEY	1926	1929	3			

GAS AND OIL SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
NONE RECORDED						

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

Electric logs run on wellbore: SDL/TEMP/GR

Would 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
50	1/2°	1556	3/4°
50	3/4°	1756	3/4°
50	2°	1875	1°
50	1 1/2°	1915	3/4°
50	1°	2115	3/4°
56	3/4°	2315	3/4°
56	3/4°	2348	3/4°
		2589	3/4°

CASING AND TUBING

	SIZE	TOP	BOTTOM	LENGTH	CEMENT USED (IN CU/FT)	DATE CEMENTED	PACKERS OR BRIDGE PLUG KIND SIZE SET AT
<u>Conductor</u>	11 3/4"		30	24			
<u>Surface</u>	8 5/8"		382	376.7	115(136)	1-2-92	
<u>Water Protection</u>	4 1/2"		2031	2021	438(565)	1-5-92	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	2 3/8"		1992				
<u>Liners</u>							

REMARKS: Shut down, fishing jobs, depths and dates, caving, lost circulation, etc.
SHUT DOWN FOR NEW YEARS DAY.

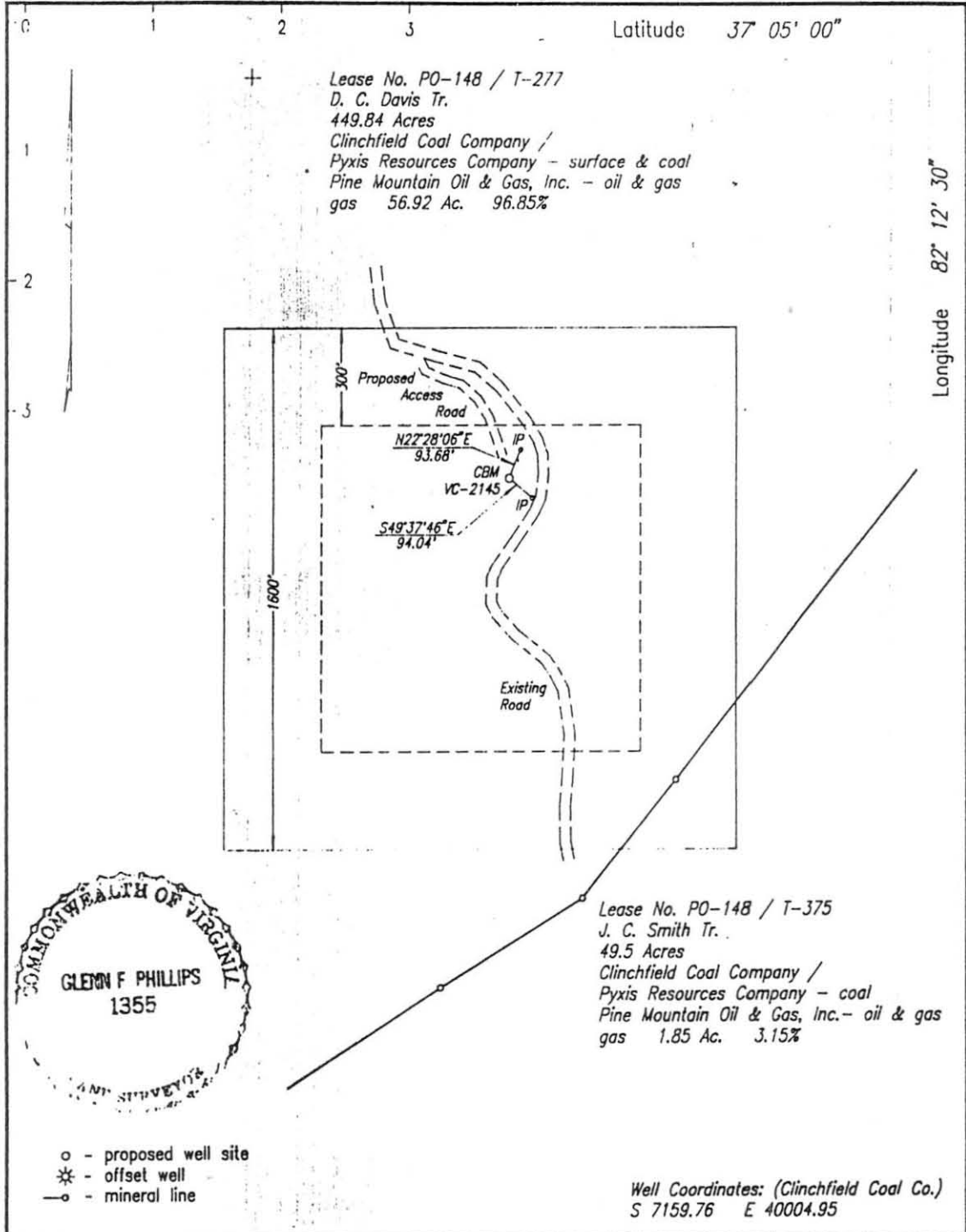
DRILLER'S LOG

Compiled by ENGINEERING

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DEPTH		THICKNESS	REMARKS
				TOP	BOTTOM		
ENNSYLVANIAN ↓	SAND, SHALE & THIN COALS			0	1833	1833	
	WARCREEK COAL			1833	1836	3	
	SAND, SHALE & THIN COALS			1836	1926	90	
	BECKLEY COAL			1926	1929	3	
	SAND, SHALE & THIN COALS			1929	2584	655	
	LOGGER'S TOTAL DEPTH			2584			

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: *Joseph A. Colby* (Signature)



COMPANY Equitable Resources Exploration
 ADDRESS 1989 E. Stone Dr., Kingsport, TN 37660
 WELL NAME VC-2145
 FARM D. C. Davis Tr. TRACT T-277
 LEASE NO. PO-148 ELEVATION 2368.30
 ACRES 449.84 QUADRANGLE Duty
 COUNTY Dickenson DISTRICT Ervinton
 REG. ENGINEER _____ REG. NO. _____
 CERT. LAND SURVEYOR X CERT. NO. 1355
 FILE NO. _____ DRAWING NO. _____
 DATE June 27, 1991 SCALE 1"=400'

This plat is x new _____ updated
 This plat x is _____ is not based on a mine
 coordinate system established for the areas
 of the well locations.

FORM DGO-GO-5

WELL LOCATION MAP
 Well No. VC-2145

+ Denotes Location of Well on United States
 Topographic Maps, Scale 1 to 24,000, Latitude
 and Longitude Lines Being Represented by
 Border Lines as Shown.

CERTIFICATION OF WELL PLAT

I, the undersigned hereby certify that this
 plat is correct to the best of my knowledge
 and belief, and shows all the information
 required by law and the regulations of the
 VA Well Review Board.

Glenn F. Phillips
 Registered Engineer or Certified
 Land Surveyor in Charge