

Department of Mines, Minerals and Energy
Division of Gas and Oil
P. O. Box 1416
Abingdon, Virginia 24210
703/676-5423

ENTERED

COMPLETION REPORT

WELL TYPE: Oil Gas Coalbed Methane or Injection well

Date Well Completed: 11-28-91 Total Depth of Well: LTD=2569 DTD=2565

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

GREASY CREEK, M. HORSEPEN, WARCREEK, L. HORSEPEN, POCO #9
Zone 1: U. SEABOARD "A" U. SEABOARD, Formation Stimulated With: 70 Q FOAM
W/ 12550 # 12/20 SAND - 587720 SCF N2 - 584 BF
Perforated: 1337.5 TO 2078 No. of Perforations: 14 Perforation Size: .34"
Formation Broke Down at: 1220 PSIG Average Injection Rate: 14.73
ISIP 1761 PSIG 5 MIN SIP 1339 PSIG Average Injection Pressure 3075 P
Date Stimulated 11-2-91

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 _____ P
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 _____ P
Date Stimulated _____

FINAL PRODUCTION: _____ Natural BOD After Stimulation MCFD
Zone (1) _____ HOURS TESTED _____ ROCK PRESSURE _____ HOURS TESTED _____
Zone (2) _____
Zone (3) _____

Final Production if Gas Zones are Commingled *42 MCFD 6 Hours Tested 200 PSIG 48 Hours Tes
*NOT ABSOLUTE

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

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)
By: Joseph A. O'Leary (Signature)

CONFIDENTIAL UNTIL 3/18/92



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: LDT/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
90	1/4°	1185	1°
200	3/4°	1385	3/4°
350	1/2°	1585	1°
370	1/2°	1785	1°
385	1/2°	1890	3/4°
450	1/8°	2070	3/4°
650	1/8°	2270	3/4°
885	3/4°	2480	3/4°
985	1 1/4°	2565	3/4
1010	1 1/4°		

CASING AND TUBING

	SIZE	TOP	BOTTOM	LENGTH	CEMENT USED (IN CU/FT)	DATE CEMENTED	PACKERS OR BRIDGE PLU KIND SIZE SET A
<u>Conductor</u>	11 3/4"		28'	22'			
<u>Surface</u>	8 5/8"		358'	352'	105 (124)	10-22-91	
<u>Water Protection</u>	4 1/2"		2188'	2182'	458 (591)	10-24-91	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	2 3/8"		2127'				
<u>Liners</u>							

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

DRILLER'S LOG

Compiled by R.J. MACDONALD

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DEPTH		THICKNESS	REMARKS
				TOP	BOTTOM		
PENNSYLVANIAN ↓	SAND, SHALE, & THIN COALS			0	1520	1520	
	GREASY CREEK COAL			1520	1523	3	
	SAND, SHALE, & THIN COALS			1523	1962	439	
	LOWER HORSEPEN COAL			1962	1965	3	
	SAND, SHALE, & THIN COALS			1965	2530	565	
MISSISSIPPIAN	RED ROCK & SHALE			2530	2569	39	
	LOGGER'S TOTAL DEPTH			2569			

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By: Joseph A. Army (Signature)

Department of Mines, Minerals and Energy
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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VC 2150 in the SAND LICK District of the DICKENSON City/County, Virginia on 18TH day, NOVEMBER month, 19 91.

LOCATION

City/County: DICKENSON District: SAND LICK
 Surface Elevation: 2334.87' Elevation of Kelly Bushing: 2342.0 Quadrangle: NORA
8700 FT. S. of Latitude 37° 07' 30" and 7900 FT. W. of Longitude 82° 17' 30"

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

DRILLING DATA

Date Drilling Commenced: 10-21-91 Drilling Contractor: GASCO DRILLING CO., INC.
 Date Drilling Completed: 10-24-91 Rig Type: X Rotary Cable Tool
 Total Depth of Well: LTD=2569' DTD=2565'

GEOLOGICAL DATA

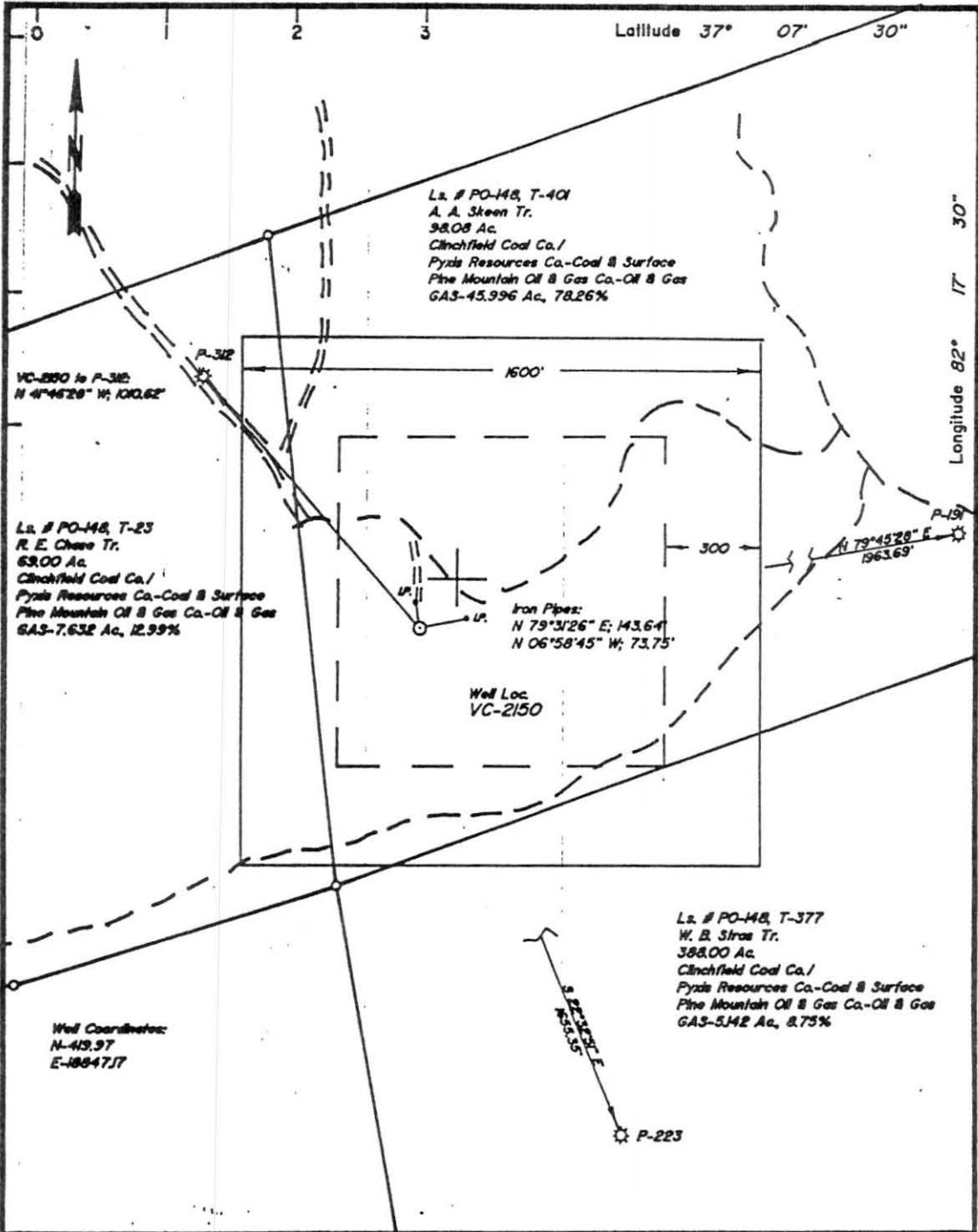
Fresh Water at: Feet GPM Feet GPM
 Salt Water at: Feet GPM Feet GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		
				YES	NO	MINED OUT
GREASY CREEK	1520	1523	3		X	
LOWER HORSEPEN	1962	1965	3			

GAS AND OIL SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
		1585		21 MCFD		
		1785		26 MCFD		
		1890		26 MCFD		
		2070		26 MCFD		
		2270		26 MCFD		
		2480		26 MCFD		



COMPANY Equitable Resources Exploration

ADDRESS 1989 E. Stone Dr., Kingsport, TN 37660

WELL NAME VC-2150

FARM A. A. Skeen TRACT T-401

LEASE NO. PO-148 ELEVATION 2334.57

ACRES 98.08 QUADRANGLE Nora

COUNTY Dickenson DISTRICT Sand Lick

REG. ENGINEER X REG. NO. 6992

CERT. LAND SURVEYOR _____ CERT. NO. _____

FILE NO. _____ DRAWING NO. 2982

DATE July 3, 1991 SCALE 1" = 400'

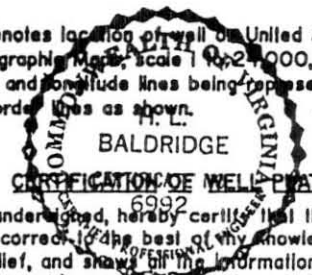
This plot is X new _____ updated

This plot X is _____ is not based on a mine coordinate system established for the area of the well location.

FORM 5

WELL LOCATION MAP
WELL NO. VC-2150

+ Denotes location of well on United States Topographic Maps, scale 1" = 2,000', latitude and longitude lines being represented by border lines as shown.



I, the undersigned, hereby certify that this plot 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.

H. L. Baldridge
Registered Engineer or Certified Land Surveyor in Charge

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