

Corp - 10-28-93

WS-386

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

Operations Name: VICC (GEORGE GIBSON) VC2927
Permit #: 2458

ENTERED

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: 7-30-93 Total Depth of Well: LTD=2773 DTD=2801'

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/22000 # 12/20 SAND - 1242600 SCF N2 - 2698 BF

Perforated: 1978.5 TO 2646 No. of Perforations: 17 Perforation Size: .34"
Formation Broke Down at: 1200 PSIG Average Injection Rate: 18 BPM (60DH)
ISIP 1950 PSIG 5 MIN SIP 1825 PSIG Average Injection Pressure 3760 PSIG
Date Stimulated 7-30-93

*C-SEAM, WARCREEK, BECKLEY, L. HORSEPEN, X-SEAM RIDER, X-SEAM, POCO#7, POCO#4, POCO#3

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	<u>28</u>	<u>6</u>	<u>520</u>	<u>PSIG</u>	<u>48</u>

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

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph A. Adams (Signature)

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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VC2927 in the LIPPS District of the WISE County, Virginia on 24TH day, AUGUST month, 1993.

LOCATION

County: WISE District: LIPPS
Surface Elevation: 2583.37' Elevation of Kelly Bushing: 2593.37' Quadrangle: COEBURN
4700 FT. S. of Latitude 37° 00' 00" and 5925 FT. W. of Longitude 82° 25' 00"
37° 59' 12.63" *82° 26' 12.97"*

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

DRILLING DATA

Date Drilling Commenced: 7-11-93 Drilling Contractor: UNION DRILLING
Date Drilling Completed: 7-16-93 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD=2773 DTD=2801

GEOLOGICAL DATA

Fresh Water at: 133 Feet 1/4"STREAM GPM Feet GPM
1460 Feet 1/4"STREAM 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
RAVEN	1059	1062	3			
JAWBONE (SPLIT)	1178	1188	10			
UNNAMED "B"	1836	1838	2			
L. HORSEPEN	2136	2138	2			
X-SEAM	2190	2193	3			
POCO #7 (SPLIT)	2401	2404	3			
POCO #4 (SPLIT)	2525	2530	5			

GAS AND OIL SHOWS:

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

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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
201	1/4°	1776	1°
387	3/4°	1998	1 1/2°
614	1 1/2°	2219	1 1/4°
709	2 1/4°	2409	1 1/4°
931	1 1/2°	2650	1°
1153	1 1/4°		
1375	2°		
1560	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>	13 3/8"		48'	38'					
<u>Surface</u>	8 5/8"		493'	483'	100(118)	7-12-93			
<u>Water Protection</u>									
<u>Coal Protection</u>									
<u>Other Casing and Tubing Left in Well</u>	4 1/2" 2 3/8"		2725' 2682.04'	2715'	565(729)	7-16-93			

Linere

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

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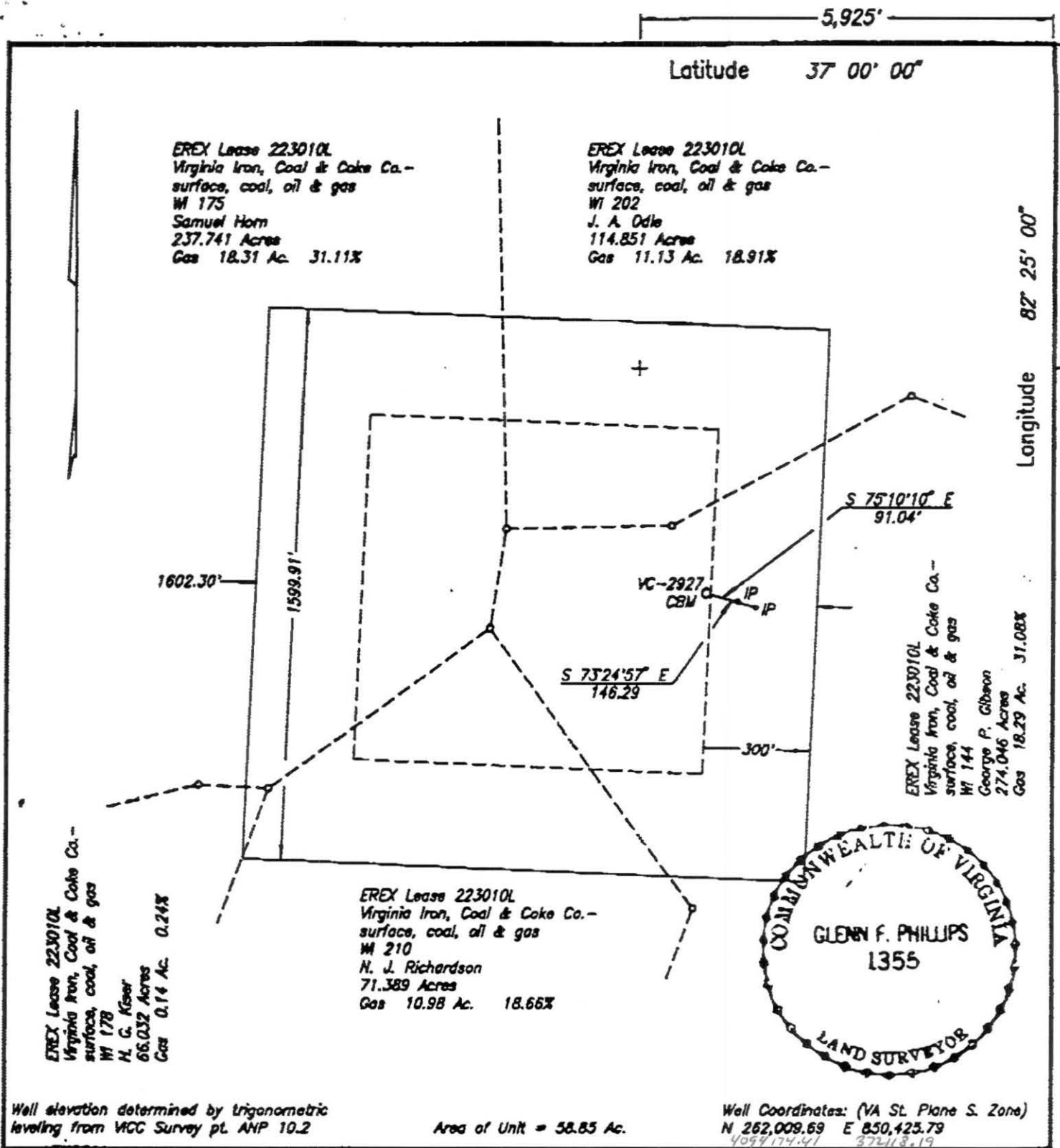
DRILLER'S LOG

Compiled by ENGINEERING

GEOLOGIC AGE	FORMATION	GENERAL		DEPTH		THICKNESS	REMARKS
		LITHOLOGY	COLOR	TOP	BOTTOM		
PENNSYLVANIAN	SAND, SHALE & THIN COALS			0	1059	1059	
	RAVEN COAL			1059	1062	3	
	SAND, SHALE & THIN COALS			1062	1178	116	
	JAWBONE COAL (SPLIT)			1178	1188	10	
	SAND, SHALE & THIN COALS			1188	1836	648	
	UNNAMED "B" COAL			1836	1838	2	
	SAND, SHALE & THIN COALS			1838	2136	298	
	LOWER HORSEPEN COAL			2136	2138	2	
	SAND, SHALE & THIN COALS			2138	2190	52	
	X-SEAM COAL			2190	2193	3	
	SAND, SHALE & THIN COALS			2193	2401	208	
	POCO #7 COAL (SPLIT)			2401	2404	3	
	SAND, SHALE & THIN COALS			2404	2525	121	
	POCO #4 COAL (SPLIT)			2525	2530	5	
MISSISSIPPIAN	SAND, SHALE & THIN COALS			2530	2693	163	
	RED ROCK & SHALE			2693	2801	108	
DRILLER'S TOTAL DEPTH					2801		
LOGGER'S TOTAL DEPTH					2773		

Permitted: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph R. Deery (Signature)



WELL LOCATION PLAT

COMPANY Equitable Resources Exploration WELL NAME AND NUMBER VC-2927
 TRACT NO. 223010L / WI 144 ELEVATION 2583.37 QUADRANGLE Coeburn
 COUNTY Wise DISTRICT Lipps SCALE 1" = 400' DATE 3-11-1993

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