

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

Operations Name: VICC VP2713
Permit #: 3000 WS-477

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: 5-2-96 Total Depth of Well: LTD = 6042 DTD = 6035

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: BEREA Formation Stimulated With: 75Q FOAM
W/ 60490# 20/40 SAND - 833700 SCF N2 - 436 BF
Perforated: 5842 to 5920 No. of Perforations: 19 Perforation size: .34"
Formation Broke Down at: N/A PSIG Average Injection Rate: 40 BPM (DH)
ISIP: 1995 PSIG 5 Min SIP: 1781 PSIG Average Injection Pressure: 3176
Date Stimulated: 4-22-96

Zone 2: BIG LIME Formation Stimulated With: 50Q FOAMED ACID
W/ 3000 GAL 15% HCL ACID - 293700 SCF N2 - 369 BF
Perforated: 5138 to 5194 No. of Perforations: 8 Perforation size: .34"
Formation Broke Down at: 1062 PSIG Average Injection Rate: 12 BPM (DH)
ISIP: 1180 PSIG 5 Min SIP: 1076 PSIG Average Injection Pressure: 2145
Date Stimulated: 4-22-96

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: _____
Date Stimulated: _____

FINAL PRODUCTION: _____ Natural X After Stimulation
BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED
Zone (1)
Zone (2)
Zone (3)
Final Production if Gas Zones are Commingled 555 MCFD 6 Hours Tested 670 PSIG 48 Hours Tested

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

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)
By: *Justin P. Puskar* (Signature)

Department of Mines, Minerals and Energy
 Division of Gas and Oil
 P. O. Box 1410
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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VP2713 in the LIPPS District of the WISE County, Virginia on 31ST day, MAY month, 1996.

LOCATION

County: WISE District: LIPPS
 Surface Elevation: 2740.1 Elevation of Kelly Bushing: 2750.1 Quadrangle: COEBURN
11980 FT S. of Latitude 37° 00' 00" and 6620 FT W. of Longitude 82° 25' 00"

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

DRILLING DATA

Date Drilling Commenced: 4-8-96 Drilling Contractor: UNION DRILLING
 Date Drilling Completed: 4-12-96 Rig Type: X Rotary Cable Tool
 Total Depth of Well: LTD = 6042 DTD = 6035

GEOLOGICAL DATA

Fresh Water at:	<u>182</u> feet <u>DAMP</u> GPM	<u> </u> feet <u> </u> GPM
	<u>1758</u> feet <u>DAMP</u> GPM	<u> </u> feet <u> </u> GPM
	<u> </u> feet <u> </u> GPM	<u> </u> feet <u> </u> GPM
Salt Water at:	<u> </u> feet <u> </u> GPM	<u> </u> feet <u> </u> GPM

COAL SEAMS:

MINING IN AREA

<u>NAME</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>THICKNESS</u>	<u>YES</u>	<u>NO</u>	<u>MINED OUT</u>
	<u>348</u>	<u>351</u>	<u>3</u>			
	<u>1322</u>	<u>1325</u>	<u>3</u>			
	<u>2062</u>	<u>2064</u>	<u>2</u>			
	<u>2201</u>	<u>2203</u>	<u>2</u>			
	<u>2362</u>	<u>2366</u>	<u>4</u>			
	<u>2411</u>	<u>2414</u>	<u>3</u>			

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>

DRILLER'S LOG

Compiled by GEOLOGY

<u>AGE</u>	<u>FORMATION</u>	<u>GENERAL LITHOLOGY</u>	<u>COLOR</u>	<u>DEPTH</u>		<u>THICKNESS</u>	<u>REMARKS</u>
				<u>TOP</u>	<u>BOTTOM</u>		
PENNSYLVANIAN	SAND & SHALE			0	1670	1670	
	LEE SANDS			1670	2602	932	
	SAND & SHALE			2602	3480	878	
MISSISSIPPI	RAVENCLIFF			3480	3583	103	
	SAND & SHALE			3583	4005	422	
	MAXON SANDS			4005	4232	227	
	SAND & SHALE			4232	4494	262	
	LITTLE LIME			4494	4578	84	
	BIG LIME			4578	5212	634	
	BORDEN (WEIR)			5212	5692	480	
	COFFEE SHALE			5692	5782	90	
	BEREA			5782	5888	106	
DEVONIAN	SHALE			5888	6042	154	
	LOGGER'S TOTAL DEPTH				6042		

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: *Justin P. Pooker* (Signature)

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: DEN/TMP/GR

Did log disclose vertical location of a coal seam? Yes ___ No X

SURVEY RESULTS

<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL</u>	<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL</u>
<u>200</u>	<u>1/2°</u>	<u>1525</u>	<u>1 3/4°</u>
<u>351</u>	<u>1/2°</u>	<u>1776</u>	<u>1 1/4°</u>
<u>520</u>	<u>1/2°</u>	<u>1992</u>	<u>1 1/4°</u>
<u>670</u>	<u>1°</u>	<u>2400</u>	<u>3°</u>
<u>907</u>	<u>1/2°</u>	<u>2064</u>	<u>1 1/4°</u>
<u>1107</u>	<u>1 1/4°</u>	<u>2192</u>	<u>1 1/4°</u>
<u>1307</u>	<u>1 1/4°</u>	<u>2203</u>	<u>1 1/4°</u>
<u>1325</u>	<u>1 1/4°</u>	<u>2365</u>	<u>1 1/4°</u>
		<u>2650</u>	<u>1 3/4°</u>

CASING AND TUBING

	<u>SIZE</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>	<u>CEMENT USED (IN CU/FT)</u>	<u>DATE CEMENTED</u>	<u>PACKERS OR BRIDGE PLUGS KIND SIZE SET AT</u>
<u>Conductor</u>	16"		19'				
<u>Surface</u>	11 3/4"		647'	637'	300(354)	4-10-96	
<u>Water Protection</u>							
<u>Coal Protection</u>	8 5/8"		2629'	2619'	410(529) 114(135)	4-14-96 4-14-96	
<u>Other Casing and Tubing Left in Well</u>	4 1/2" 2 3/8"		6013' 5865'	6003'	286(360)	4-19-96	

Liners

REMARKS: Shut down, fishing jobs, depths and dates, caving, lost circulation, etc.
OPEN MINE SHAFT 564-571'; LOST CIRCULATION

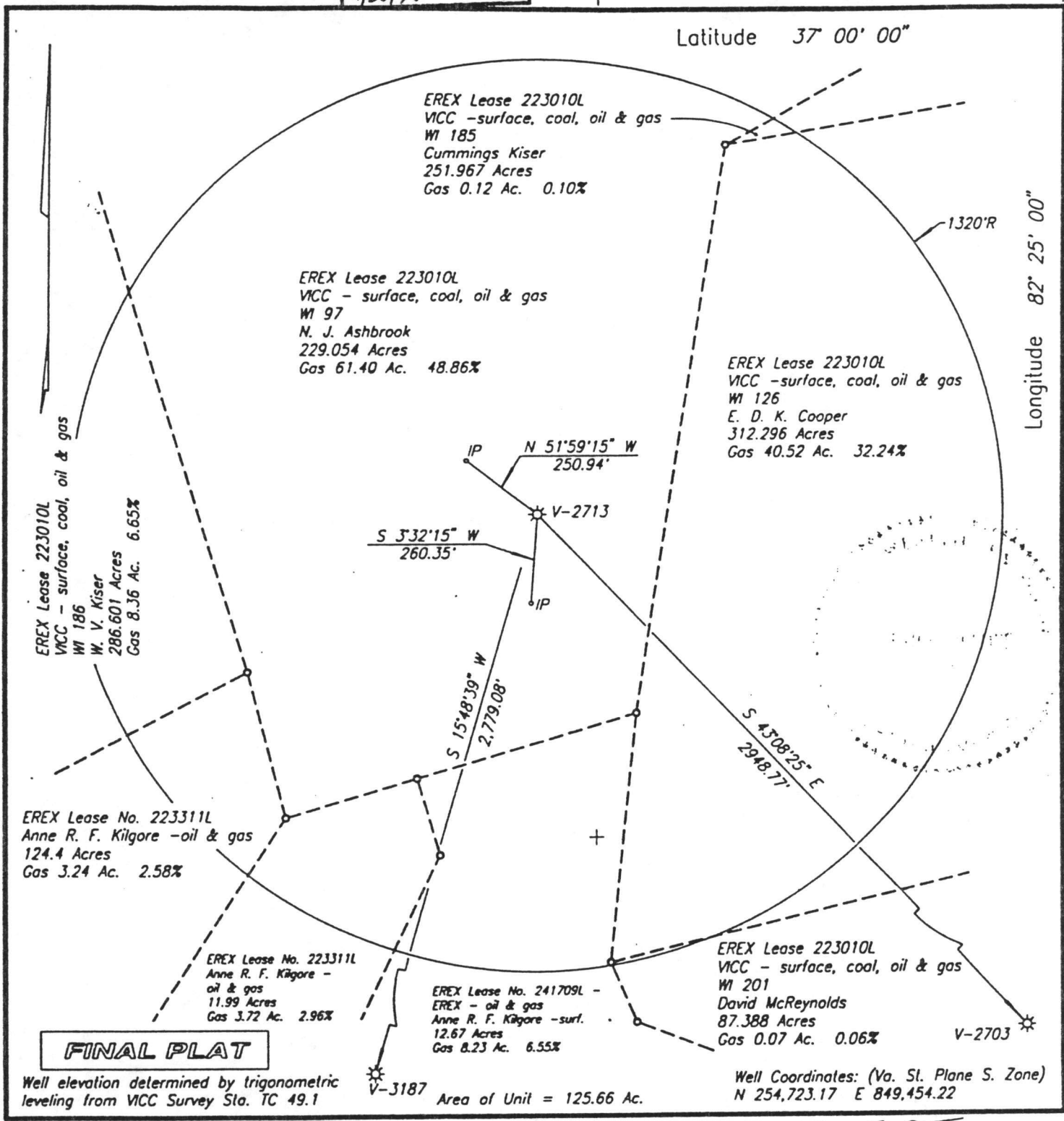
4/26/96

6,620'

Latitude 37° 00' 00"

Longitude 82° 25' 00"

11,980'



FINAL PLAT

Well elevation determined by trigonometric leveling from VCC Survey Sta. TC 49.1

Area of Unit = 125.66 Ac.

Well Coordinates: (Va. Sl. Plane S. Zone)
N 254,723.17 E 849,454.22

WELL LOCATION PLAT

12-F-85

COMPANY Equitable Resources Exploration WELL NAME AND NUMBER V-2713
 TRACT NO. WI 97 ELEVATION 2739.20 QUADRANGLE Coeburn
 COUNTY Wise DISTRICT Lipps SCALE 1" = 400' DATE 4-23-1996

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.

Alan F. Phillips
 Licensed Professional Engineer or Licensed Land Surveyor

