Operations Name: WTGOODLOE VCP3619 Permit #: 3192 DI-821

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 X or Injection _ well

Date Well Completed: 10-31-96

Total Depth of Well: LTD = 2507 DTD = 2505

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.

Formation Stimulated With:

Formation Stimulated With:

STIMULATION RECORD Zone 1: COAL SEAMS* Formation Stimulated With: 70Q FOAM W/25568# 12/20 SAND - 722100 SCF N2 - 529 BF Perforated: 1644.5 No. of Perforations: 17 Perforation size: .34 to 2344.5 Formation Broke Down at: 1868 PSIG Average Injection Rate: 17.8 BPM ISIP: 1274 PSIG Average Injection Pressure: 3719 Min SIP: 1185 PSIG 5 Date Stimulated: 10-31-96

* M HORSEPEN, UNNAMED "C", BECKLEY, L HORSEPEN, X-SEAM, POCO #5, POCO #3

Zone 2:

 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:
 PSIG
 Average Injection Pressure:

Zone 3:

 Perforated:
 to
 No. of Perforations:
 Perforation size:

 Formation Broke Down at:
 PSIG
 Average Injection Rate:
 ISIP:

 ISIP:
 PSIG
 Min SIP:
 PSIG Average Injection Pressure:

 Date Stimulated:
 PSIG
 No. of Perforations:
 Perforation size:

 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
 36
 MCFD
 6
 Hours Tested
 362
 PSIG
 48
 Hours Tested

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

Permittee:	EQUITABLE RESOUR	CES EXPLORATION	(Company)
By:	Joseph Q. (lan	(Signature)
	$\langle \rangle$	Y	

Form DGO-GO-15 Rev. 9/91

Operations Name: WT GOODLOE VCP3619 Permit #: 3192 DI-821

Department of Mines, Minerals and Energy Division of Gas and Oil P. O. Box 1410 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 VCP3619 in the

 KENADY
 District of the
 DICKENSON
 County, Virginia on
 27TH
 day,

 JANUARY
 month, 19 97
 .

LOCATION

 County:
 DICKENSON
 District:
 KENADY

 Surface Elevation:
 2216.3
 Elevation of Kelly Bushing:
 2226.3
 Quadrangle:
 NORA

 6380
 FT S. of Latitude
 37° 05' 00"
 and
 6780
 FT W. of Longitude
 82° 20' 00"

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

DRILLING DATA

Date Drilling Commenced: 10-21-96	Drilling Contractor: Union Drilling			
Date Drilling Completed: 10-24-96	Rig Type: X Rotary Cable Tool			
Total Depth of Well: LTD=2507 DTD=2505				

2202

GEOLOGICAL DATA

Fresh Water at:	187	feet feet	DAMP		GPM GPM	feet feet			SPM SPM	
Salt Water at:		feet feet			GPM GPM	feet feet		C	SPM SPM	
COAL SEAMS:								MIN	ING IN AREA	
NAME		TOP		BOTTO	M	THICKNESS	YES	NO	MINED OUT	
L HORSEPEN		1892		1894		2				

GAO AND OIL SHOWS.	GAS AND	OIL	SHOWS:	
--------------------	---------	-----	--------	--

FORMATION

POCO #5

TOP BOTTOM

2200

THICKNESS IPF (MCFD/BOPD)

2

PRESSURE HOURS TESTED

1715/1786/1810/2000/2198/2505 ODOR

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

SURVEY RESULTS

 \mathbb{Z}

DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL	DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL
200 269 400 585 785 985 1180	1/4° 1/2° 3/4° 1° 3/4° 3/4°	1786 1810 2000 2198 2350	3/4° 3/4° 3/4° 1°
1530 1715	3/4° 3/4°		

CASING AND TUBING

,	<u>SIZE</u>	TOP	BOTTOM	LENGTH	CEMENT USED (IN CU/FT)	DATE <u>CEMENTED</u>	PACKERS OR BRIDGE PLUGS KIND SIZE SET AT
Conductor							
Surface	11 3/4"		33'	23'			
Water Protection	8 5/8"		318'	308'	85(100)	10-22-96	
Coal Protection							
Other Casing and Tubing Left in Well	4 1/2" 2 3/8"		2487' 2420'	2477'	325(410)	10-24-96	
Liners							

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

Logger's Total Depth

Operations Na	me: W	T GOODLO	E VCP3619
Permit #: 3	192	DI-821	

DRILLER'S LOG

Compiled by Engineering

		GENERAL		DE	PTH		
_AGE	FORMATION	LITHOLOGY	COLOR	TOP	BOTTOM	THICKNESS	REMARKS
Pennsylvanian	Sand, Shale & Th	in Coals		0	1892	1892	
	L HORSEPEN			1892	1894	2	
	Sand, Shale & Th	in Coals		1894	2200	306	
	POCO #5			2200	2202	2	
	Sand, Shale & Th	in Coals		2202	2507	305	

2507

Permittee:	EQUITABLE RESOURCES EXPLORATION	(Company)
Ву:	Joseph (r. Com	(Signature)

