RECEIVED DIVISION OF

GAS & OIL

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

Operations Name: S HORN VC3553 Permit #: 3044 WS-478

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: 4-29-96 Total Depth of Well: LTD = 2755 DTD = 2750

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: 70Q FOAM

W/24685# 10/20 SAND - 1,115,900 SCF N2 - 848 BF

No. of Perforations; 17 Perforation size: .34 Perforated: 1704 to 2607

Formation Broke Down at: 2064 PSIG Average Injection Rate: 36 (DH) BPM

PSIG 5 ISIP: 1728 Min SIP: 1680 PSIG Average Injection Pressure:3710

Date Stimulated: 4-29-96

* GREASY CREEK, UNNAMED "B", M.HORSEPEN, WARCREEK, L HORSEPEN, X-SEAM RIDER, X-SEAM, POCO #9, POC

#7, POCO #5

Formation Stimulated With: Zone 2:

Perforation size: Perforated: to No. of Perforations:

Formation Broke Down at: PSIG Average Injection Rate:

PSIG Average Injection Pressure: ISIP: PSIG Min SIP:

Date Stimulated:

Formation Stimulated With: Zone 3:

Perforated: No. of Perforations: Perforation size: to

Formation Broke Down at: PSIG Average Injection Rate:

ISIP: **PSIG** Min SIP: PSIG Average Injection Pressure:

Date Stimulated:

FINAL PRODUCTION: After Stimulation Natural ROCK PRESSURE HOURS TESTED

HOURS TESTED MCFD

Zone (1)

Zone (2)

Zone (3) Final Production if Gas Zones are Commingled 71 MCFD 6 Hours Tested 400 PSIG 48 Hours Tested

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

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

Operations Name: <u>S HORN VC3553</u> Permit #; 3044 WS-478

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 VC3553 in the LIPPS District of the WISE County, Virginia on 14th day, JUNE month, 1996. LOCATION District: LIPPS County: WISE Surface Elevation: 2706.00 Elevation of Kelly Bushing: 2716.00 Quadrangle: COEBURN 3590 FT S. of Latitude 37°00'00" and 8250 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: 04-19-96 Drilling Contractor: Union Drilling Date Drilling Completed: 04-23-96 Rig Type: x Rotary __ Cable Tool Total Depth of Well: LTD=2755 DTD=2750 **GEOLOGICAL DATA** DAMP **GPM GPM** Fresh Water at: 71 feet feet **GPM** feet feet **GPM GPM GPM** Salt Water at: feet feet **GPM GPM** feet feet

COAL SEAMS:

MINING IN AREA

NAME

TOP

BOTTOM THICKNESS YES NO MINED OUT

UPPER SEABOARD COAL 1555 1557 2 LOWER HORSEPEN COAL 2227 2229 X SEAM COAL 2268 2270 2 3 POCO #7 COAL 2494 2497 POCO #5 COAL 2604 2607 3

GAS AND OIL SHOWS: NONE REPORTED

FORMATION TOP BOTTOM THICKNESS IPF (MCFD/BOPD) PRESSURE HOURS TESTED

Department of Mines, Minerals and Energy

Division of Gas and Oil

Operations Name: S HORN VC3553

Permit #: 3044 WS-478

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 X No

SURVEY RESULTS

DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL	DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL
219	3/4°	1782	3/4°
414	1/4"	1982	3/4°
711	1°	2113	3/4°
911	1°	2182	1°
1111	1°	2225	1°
1148	1°	2368	1°
1274	3/4°	2608	1°
1348	1/2°	2700	1°
1548	1/4°		

CASING AND TUBING

	SIZE TOP	воттом	LENGTH	CEMENT USED (IN CU/FT)	DATE CEMENTED	PACKERS OR BRIDGE PLUGS KIND SIZE SET AT
Conductor						
Surface	11 3/4"	30'				
Water Protection	7'	585'	575'	90(106)	04-20-96	
Coal Protection						
Other Casing and Tubing Left in Well	4 1/2" 2 3/8"	2730' 2685'	2720'	280(353)	04-23-96	

Liners

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

Form DGO-GO-14

Rev. 9/91

Operations Name: S HORN VC3553

Permit #: 3044 WS-478

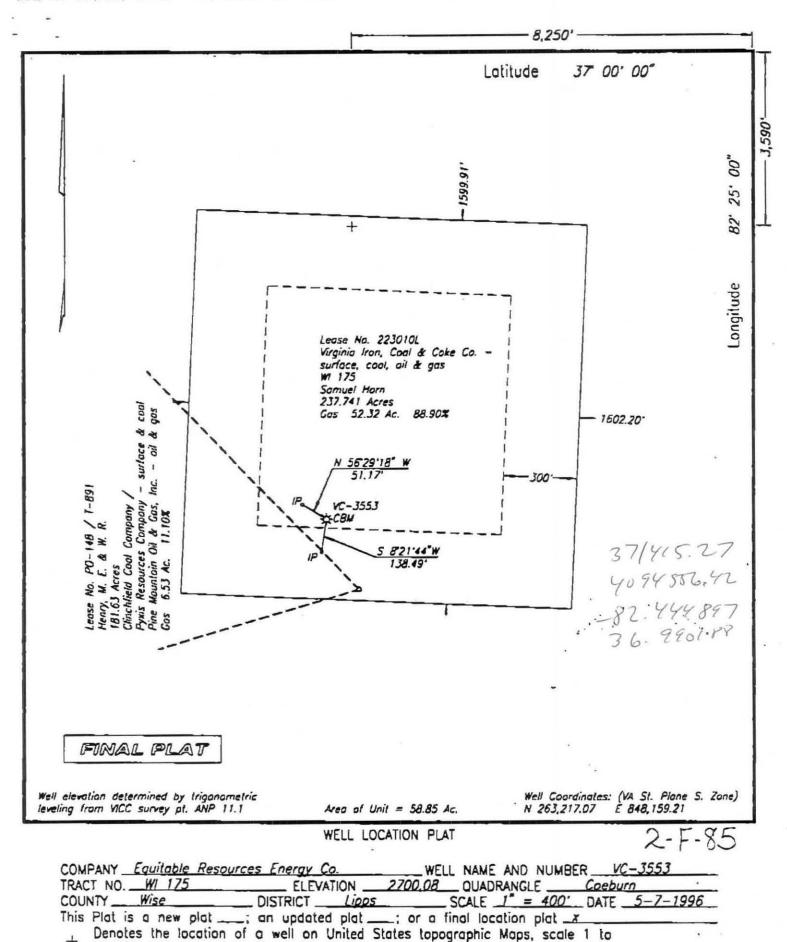
DRILLER'S LOG

Compiled by Engineering

AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DEP'	TH BOTTOM	THICKNESS	REMARKS
Pennsylvanian	Sand, Shale & Thin	Coals		0	1555	1555	
	UPPER SEABOAR	D COAL		1555	1557	2	
	Sand, Shale & Thin	Coals		1557	2227	670	
	LOWER HORSEPE	N COAL		2227	2229	2	
	Sand, Shale & Thin	Coals		2229	2268	39	
	X SEAM COAL			2268	2270	2	
	Sand, Shale & Thin	Coals		2270	2494	224	
	POCO #7 COAL			2494	2497	3	
	Sand, Shale & Thin	Coals		2497	2604	107	
	POCO #5 COAL			2604	2607	3	
	Sand, Shale & Thin	Coals		2607	2755	148	
	Logger's Total Dept	th			2755		

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By



icensed Professional Engineer or Licensed Land Surveyor

24,000, latitude and longitude lines being represented by border lines as shown.

DIVISION OF

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

Operations Name: S HORN VC3553
Permit #: 3044 WS-478

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: 4-29-96 Total Depth of Well: ITD = 2755 DTD = 2750

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: 70Q FOAM

W/24685# 10/20 SAND - 1,115,900 SCF N2 - 848 BF

Perforated: 1704 to 2607 No. of Perforations: 17 Perforation size: 34

131P. 1728 POIG 5 Min DIP. 1000 POIG Average lajection Pressure: 0710

Date Stimulated: 4-29-96

* GREASY CREEK, UNNAMED "B", M.HORSEPEN, WARCREEK, L HORSEPEN, X-SEAM RIDER, X-SEAM, POCO #9, POC

#7, POOO #5

Zone 2: Formation Stimulated With:

A SANCTON CONTRACTOR OF THE PROPERTY OF THE PR

Derforated: to No of Derforations: Derforation size:

Formation Broke Down at: PSIG Average Injection Rate:

ISIP: PSIG Min SIP PSIG Average Injection Prossure:

Date Silmulated:

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

Zone (1)

BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED

Zone (1) Zune (2)

Zone (3)

Final Production if Gas Zones are Commingled 71 MCFD 6 Hours Tested 400 PSIG 48 Hours Tested

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

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph L. Chury (Signature)

FORM DGO-GO-15 Rev. 9/91 Department of Mines, Minerals and Energy Operations Name: S HORN VC3553
Division of Gas and Oil Permit #: 3044 WS-478

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 VC3553 in the LIPPS District of the WISE County, Virginia on 14th day, JUNE month, 19 96.

LOCATION

County: WISE

District: LIPPS

Surface Elevation: 2706.00

Elevation of Kelly Bushing: 2716.00

Quadrangle: COEBURN

3590 FT S. of Latitude 37°00'00" and 8250 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: 04-19-96

Drilling Cont

Drilling Contractor: Union Drilling

YES

NO

MINED OUT

Date Drilling Completed:

04-23-96

Rig Type: x Rotary __ Cable Tool

Total Depth of Well: 1 TD=2755 DTD=2750

GEOLOGICAL DATA

71 **GPM** Frech Water at: foot DAMP foot CPM **GPM** feet **GPM** feet Salt Water at: **GPM** feet **GPM** feet **GPM** feet **GPM** feet

COAL SEAMS:

MINING IN AREA

THICKNESS NAME TOP BOTTOM UPPER SEABOARD COAL 1555 1557 2 2 LOWER HORSEPEN COAL 2227 2229 2 2268 2270 X SEAM COAL POCO #7 COAL 2494 2497 3 POCO #5 COAL 2604 2607 3

GAS AND OIL SHOWS: NONE REPORTED

FORMATION TOP BOTTOM THICKNESS IPF (MCFD/BOPD) PRESSURE HOURS TESTED

Operations Name: S HORN VC3553
Permit #: 3044 WS-478

Cuttings or samples are are not X available for examination by a member of the Virginia Division of Mineral Resources

Cuttings or samples 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 X No

SURVEY RESULTS

DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL	DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL
219	3/4°	1782	3/4°
414	1/4°	1982	3/4°
711	1°	2113	3/4°
911	1°	2182	1°
1111	1°	2225	1°
1148	1°	2368	1°
1274	3/4°	2608	1°
1348	1/2°	2700	1°
1548	1/4°		

CASING AND TUBING

	SIZE TOP	BOTTOM	<u>LENGTH</u>	CEMENT USED (IN CU/FT)	DATE CEMENTED	PACKERS OR BRIDGE PLUGS KIND SIZE SET AT
Conductor						
Surface	11 3/4"	30'				
Water Protection	7'	585'	575'	90(106)	04-20-96	
Coal Protection						
Other Casing and Tubing Left in Well	4 1/2" 2 3/8"	2730' 2685'	2720'	280(353)	04-23-96	

Liners

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

Form DGO-GO-14

RECEIVED
DIVISION OF

GAS & OIL

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

Operations Name: S HORN VC3553
Permit #: 3044 WS-478

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: 4-29-96 Total Depth of Well: LTD = 2755 DTD = 2750

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: 70Q FOAM

W/24685# 10/20 SAND - 1,115,900 SCF N2 - 848 BF

Perforated: 1704 to 2607 No. of Perforations; 17 Perforation size: .34

Formation Broke Down at: 2064 PSIG Average Injection Rate: 36 (DH) BPM

ISIP: 1728 PSIG 5 Min SIP: 1680 PSIG Average Injection Pressure: 3710

Date Stimulated: 4-29-96

* GREASY CREEK, UNNAMED "B", M.HORSEPEN, WARCREEK, L HORSEPEN, X-SEAM RIDER, X-SEAM, POCO #9, POC #7, POCO #5

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:

Date Stirnulated:

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)

Zono (2)

Zone (3)

Final Production if Gas Zones are Commingled 71 MCFD 6 Hours Tested 400 PSIG 48 Hours Tested

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

Permittee: _EQUITABLE RESOURCES EXPLORATION (Company)

By: (Signature)

Operations Name: <u>S HORN VC3553</u> Permit #; 3044 WS-478

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. LIPPS District of the WI JUNE month, 19 96.		gned Permittee s ty, Virginia on		VC3553 in the
LOCATION				
County: WISE Surface Elevation: 2706.00 3590 FT S. of Latitude S		District: <u>LIPP</u> of Kelly Bushing 8250 FT W.		adrangle: <u>COEBURN</u>
Attach a final location plat as	required by VR 480)-05-22.1, § 1.36	i.	
DRILLING DATA				
Date Drilling Commenced: Date Drilling Completed: Total Depth of Well: LTD=2	14-23-96		Contractor: <u>Union Drilling</u> pe: <u>x</u> Rotary Cab	
GEOLOGICAL DATA				
Fresh Water at: 71	feet DAMP	GPM GPM	feet feet	GPM GPM
Salt Water at:	feet feet	GPM GPM	feet feet	GPM GPM
COAL SEAMS:				MINING IN AREA
NAME UPPER SEABOARD COAL LOWER HORSEPEN COAL X SEAM COAL POCO #7 COAL POCO #5 COAL	TOP 1555 2227 2268 2494 2604	BOTTOM 1557 2229 2270 2497 2607	THICKNESS YES 2 2 2 3 3	NO MINED OUT

FORMATION

GAS AND OIL SHOWS: NONE REPORTED

TOP

BOTTOM

THICKNESS

IPF (MCFD/BOPD)

PRESSURE

HOURS TESTED

Department of Mines, Minerals and Energy

Division of Gas and Oil

Operations Name: S HORN VC3553 Permit #: 3044 WS-478

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 X No

SURVEY RESULTS

DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL	DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL
219	3/4°	1782	3/4°
414	1/4°	1982	3/4°
711	1°	2113	3/4°
911	1°	2182	1°
1111	1°	2225	1°
1148	1°	2368	1°
1274	3/4°	2608	1°
1348	1/2°	2700	1°
1548	1/4°	E	

CASING AND TUBING

	SIZE TOP	BOTTOM	LENGTH	CEMENT USED (IN CU/FT)	DATE CEMENTED	PACKERS OR BRIDGE PLUGS KIND SIZE SET AT
Conductor						
Surface	11 3/4"	30'				
Water Protection	7'	585'	575'	90(106)	04-20-96	
Coal Protection						
Other Casing and Tubing Left in Well	4 1/2" 2 3/8"	2730' 2685'	2720'	280(353)	04-23-96	

Liners

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

Form DGO-GO-14 Rev. 9/91

Operations Name: S HORN VC3553
Permit #: 3044 WS-478

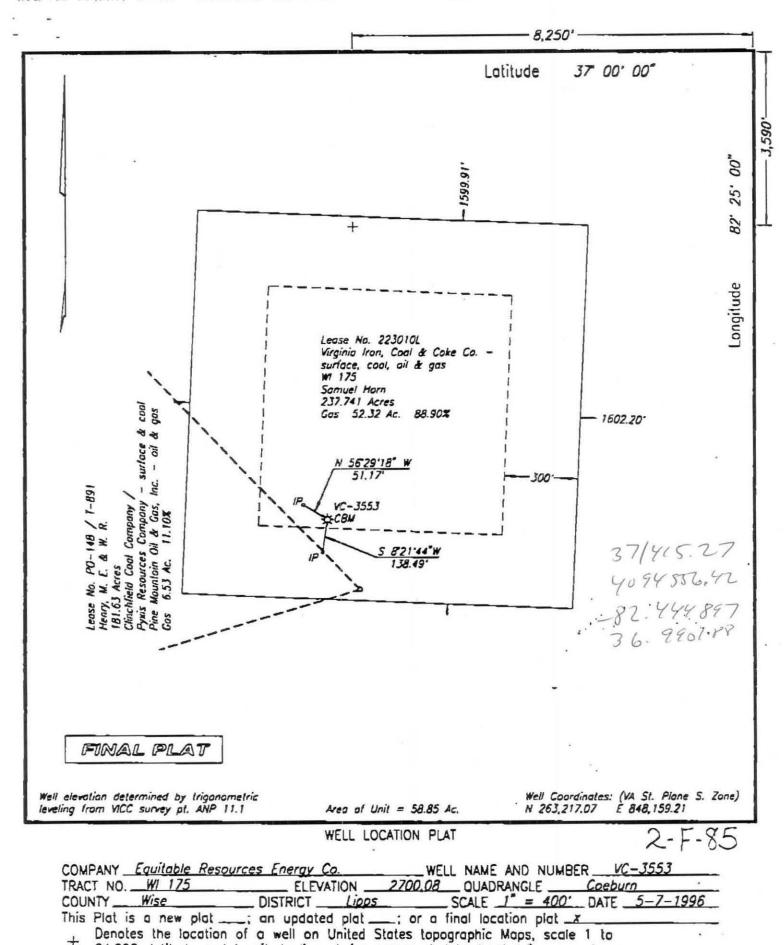
DRILLER'S LOG

Compiled by Engineering

AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DEPTH TOP BO	H OTTOM	<u>THI</u>	CKNESS	REMARKS
Pennsylvanian	Sand, Shale & Thir	Coals		0	1555		1555	
	UPPER SEABOAR	D COAL		1555	1557		2	
	Sand, Shale & Thir	Coals		1557	2227		670	
	LOWER HORSEPE	EN COAL		2227	2229		2	
	Sand, Shale & Thir	Coals		2229	2268		39	
	X SEAM COAL			2268	2270		2	
	Sand, Shale & Thir	Coals		2270	2494		224	
	POCO #7 COAL			2494	2497		3	
	Sand, Shale & Thin Coals			2497	2604		107	
	POCO #5 COAL			2604	2607		3	
	Sand, Shale & Thin	Coals		2607	2755		148	
	Logger's Total Dep	th			2755			

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Vosept a. Jun



icensed Professional Engineer or Licensed Land Surveyor

24,000, latitude and longitude lines being represented by border lines as shown.

DIVISION OF

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

Operations Name: S HORN VC3553 Permit #: 3044 WS-478

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: 4-29-96 Total Depth of Well: ITD = 2755 DTD = 2750

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: 70Q FOAM

W/24685# 10/20 SAND - 1,115,900 SCF N2 - 848 BF

to 2607 Perforated: 1704 No. of Perforations; 17 Perforation size: 34

Pala 5 Min OIP. 1000 POIG Average Injection Pressure: 3740 ISIP. 1728

Date Stimulated: 4-29-96

* GREASY CREEK, UNNAMED "B", M.HORSEPEN, WARCREEK, L HORSEPEN, X-SEAM RIDER, X-SEAM, POCO #9, POC

#7, POCO #5

Zone 3:

Zone (3)

Formation Stimulated With: Zone 2:

Darfaratad. No of Deferations Derfaration size

Formation Broke Down at: PSIG Average Injection Rate:

PEIG Min SIP ISIP. PSIG Average Injection Pressure:

Date Silmulated:

Perforated: No. of Perforations. Parforation size.

Formation Broke Down at: PSIG Average Injection Rate:

ISIP: PSIG Min SIP: PSIG Average Injection Pressure:

Date Stimulated:

FINAL PRODUCTION: Natural After Stimulation ROCK PRESSURE HOURS TESTED

Formation Stimulated With:

BOD MCFD HOURS TESTED

Zone (1) Zune (2)

Final Production if Gas Zones are Commingled 71 MCFD 6 Hours Tested 400 PSIG 48 Hours Tested * Use additional sheets with this format, if more than three (3) zones were stimulated.

Permittee: _EQUITABLE RESOURCES EXPLORATION (Company)

(Signature)

FORM DGU-GU-15 Rev. 9/91

Department of Mines, Minerals and Errerry Operations Name: S HORN VC3553 Division of Gas and Oil Permit #: 3044 WS-478

> 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 VC3553 in the LIPPS District of the WISE County, Virginia on 14th JUNE month, 1996.

LOCATION

County: WISE Surface Elevation: 2706.00 District: LIPPS

Elevation of Kelly Bushing: 2716.00

Quadrangle: COEBURN

3590 FT S. of Latitude 37°00'00" and 8250 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: 04-19-96

Drilling Contractor: Union Drilling

Date Drilling Completed: 04-23-96

DAMP

Rig Type: x Rotary __ Cable Tool

Total Depth of Well: | TD=2755 DTD=2750

GEOLOGICAL DATA

Froch Water at:

foot feet

GPM **GPM**

foot feet CPM **GPM**

Salt Water at:

feet feet **GPM GPM** feet feet **GPM GPM**

COAL SEAMS:

MINING IN AREA

MINED OUT

NAME	TOP	BOTTOM	THICKNESS	YES
UPPER SEABOARD COAL	1555	1557	2	
LOWER HORSEPEN COAL	2227	2229	2	
X SEAM COAL	2268	2270	2	
POCO #7 COAL	2494	2497	3	
POCO #5 COAL	2604	2607	3	

GAS AND OIL SHOWS: NONE REPORTED

FORMATION TOP THICKNESS BOTTOM

IPF (MCFD/BOPD)

PRESSURE

NO

HOURS TESTED

Operations Name: S HORN VC3553
Permit #: 3044 WS-478

Cuttings or samples are not X available for examination by a member of the Virginia Division of Mineral Resources

Cuttings or samples 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 X No

SURVEY RESULTS

DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL	DEPTH OF SURVEY	DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL
219	3/4°	1782	3/4°
414	1/4°	1982	3/4°
711	1°	2113	3/4°
911	1°	2182	1°
1111	1°	2225	1°
1148	1°	2368	1°
1274	3/4°	2608	1°
1348	1/2°	2700	1°
1548	1/4°		

CASING AND TUBING

	SIZE TOP	BOTTOM	LENGTH	CEMENT USED (IN CU/FT)	DATE CEMENTED	PACKERS OR BRIDGE PLUGS KIND SIZE SET AT
Conductor						
Surface	11 3/4"	30'				
Water Protection	7'	585'	575'	90(106)	04-20-96	
Coal Protection						
Other Casing and Tubing Left in Well	4 1/2" 2 3/8"	2730' 2685'	2720'	280(353)	04-23-96	

Liners

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

Form DGO-GO-14 Rev. 9/91

Operations Name: S HORN VC3553
Permit #: 3044 WS-478

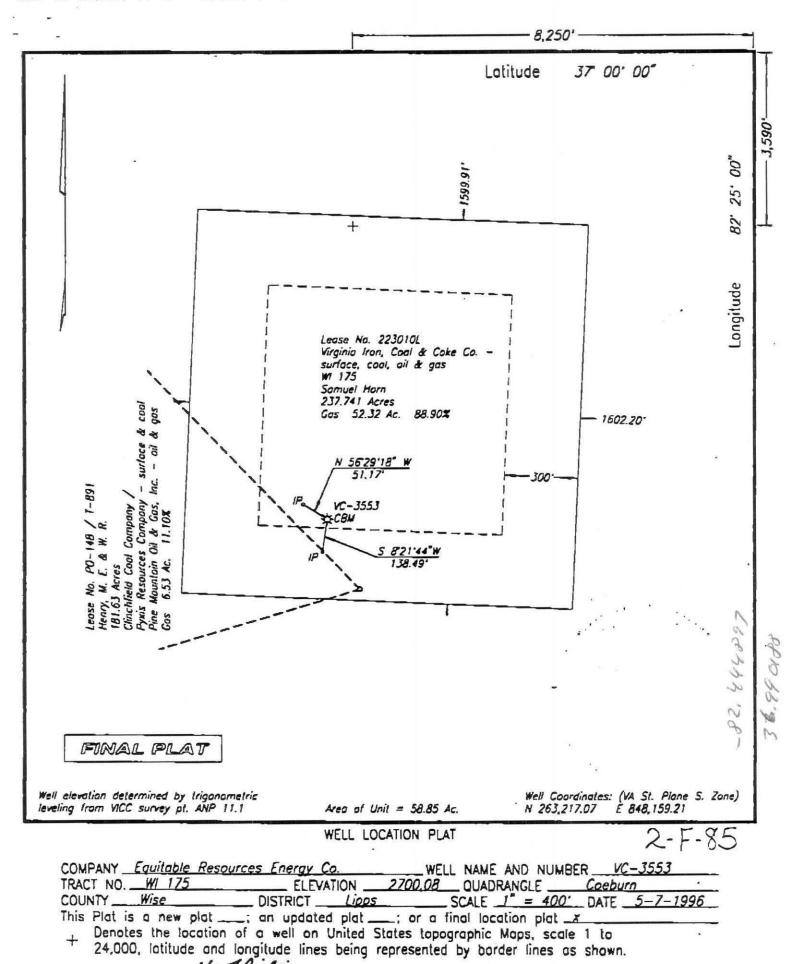
DRILLER'S LOG

Compiled by Engineering

AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DE TOP	PTH BOTTOM	<u>TH</u>	ICKNESS	REMARKS
Pennsylvanian	Sand, Shale & Thin Coals		0	1555		1555		
	UPPER SEABOARD COAL			1555	1557		2	
	Sand, Shale & Thin Coals LOWER HORSEPEN COAL Sand, Shale & Thin Coals X SEAM COAL Sand, Shale & Thin Coals			1557	2227		670	
				2227	2229		2	
				2229	2268		39	
				2268	2270		2	
				2270	2494		224	
	POCO #7 COAL			2494	2497		3	
	Sand, Shale & Thir	n Coals		2497	2604		107	
	POCO #5 COAL			2604	2607		3	
	Sand, Shale & Thir	Coals		2607	2755		148	
\bar{x}	Logger's Total Dep	oth			2755			

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

y: Voseph a. 1



icensed Professional Engineer or Licensed Land Surveyor