

conf- 3-23-93

WS-344

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

Operations Name: LUCINDA HORN VCP2627
Permit #: 2155

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: 12-22-92 Total Depth of Well: LTD=255 DTD=2570

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/LE
W/17844# 12/20 SAND - 1431350 SCF N2 - 2294 BF

Perforated: 1248.5 TO 2272.5 No. of Perforations: 15 Perforation Size: .34"
Formation Broke Down at: N/A PSIG Average Injection Rate: 8.2 BPM
ISIP 2595 PSIG 5 MIN SIP 1832 PSIG Average Injection Pressure 3701 PSIG
Date Stimulated 12-22-92

*RAVEN, JAWBONE RIDER, TILLER, M. SEABOARD, WARCREEK, BECKLEY, L. HORSEPEN

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 17 MCFD 6 Hours Tested 255 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 A. Long (Signature)

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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VCP 2627 in the GLADEVILLE District of the WISE County, Virginia on 8th day, JANUARY month, 19 93.

LOCATION

County: WISE District: GLADEVILLE
Surface Elevation: 2632.20' Elevation of Kelly Bushing: 2642.2 Quadrangle: FLAT GAP
450 FT. S. of Latitude 37° 02' 30" and 3490 FT. W. of Longitude 82° 37' 30"

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

DRILLING DATA

Date Drilling Commenced: 12-8-92 Drilling Contractor: UNION DRILLING
Date Drilling Completed: 12-14-92 Rig Type: X Rotary Cable Tool
Total Depth of Well: LTD=2557 DTD=2570

GEOLOGICAL DATA

Fresh Water at: 40 Feet 1/2" STREAM GPM Feet GPM
 Feet 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	1248	1250	2			
TILLER	1534	1537	3			
WARCREEK	2151	2153	2			
BECKLEY	2201	2203	2			
L. HORSEPEN	2272	2274	2			

GAS AND OIL SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
		2082/2479/2570		ODOR		

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
221	$\frac{1}{4}^{\circ}$	1889	$\frac{1}{2}^{\circ}$
390	1°	2082	$\frac{1}{2}^{\circ}$
616	$\frac{1}{4}^{\circ}$	2259	1°
837	$\frac{1}{2}^{\circ}$	2479	1°
1022	$\frac{1}{2}^{\circ}$		
1241	$\frac{1}{4}^{\circ}$		
1428	$\frac{1}{2}^{\circ}$		
1645	$\frac{1}{4}^{\circ}$		

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"		25'				
<u>Surface</u>	8 5/8"		370		130(153)	12-9-92	
<u>Water Protection</u>	4 1/2"		2386'	2376'	480(618)	12-14-92	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	2 3/8"		2338'				

Liners

REMARKS: Shut down, fishing jobs, depths and dates, caving, lost circulation, etc.
1-8-93 LOST BTM OF SAND PUMP (FISH); LEFT IN HOLE BELOW BOTTOM PERFS

DRILLER'S LOG

Compiled by ENGINEERING

GEOLOGIC AGE	GENERAL FORMATION	LITHOLOGY	COLOR	DEPTH		THICKNESS	REMARKS
				TOP	BOTTOM		
ENNSYLVANIAN ↓	SAND, SHALE & THIN COALS			0	1248	1248	
	RAVEN COAL			1248	1250	2	
	SAND, SHALE & THIN COALS			1250	1534	284	
	TILLER COAL			1534	1537	3	
	SAND, SHALE & THIN COALS			1537	2151	614	
	WARCREEK COAL			2151	2153	2	
	SAND, SHALE & THIN COALS			2153	2201	48	
	BECKLEY COAL			2201	2203	2	
	SAND, SHALE & THIN COALS			2203	2272	69	
	LOWER HORSEPEN COAL			2272	2274	2	
SAND, SHALE & THIN COALS			2274	2557	283		
LOGGER'S TOTAL					2557		

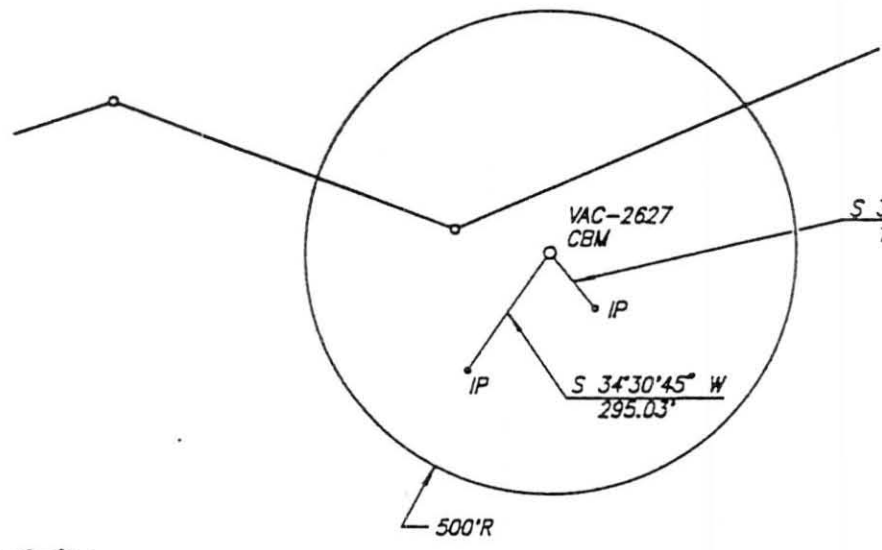
Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph A. Long (Signature)

3,490'
Latitude + 37° 02' 30"
450'

Lease No. PO-148 / T-935
J. H. Addington
811 Acres
Clinchfield Coal Company /
Pyxis Resources Company - surface & coal
Pine Mountain Oil & Gas, Inc. - oil & gas
gas 5.42 Ac. 30.06%

Longitude 82° 37' 30"



37° 02' 25.08"
82° 38' 13.03"
354468.25 E
41100392.64 N
292916.73 E
283844.46 N



Lease No. PO-148 / T-938
Lucinda Horn
207 Acres
Clinchfield Coal Company /
Pyxis Resources Company - surface & coal
Pine Mountain Oil & Gas, Inc. - oil & gas
gas 12.61 Ac. 69.94%

Note: Well is Located Approximately
100' East of the Boundary of DMLR
Permit No. 1100574
(Red River Coal Company)

Well elevation determined by trigonometric leveling from BM Y-320

Area of Unit = 18.03 Ac.

Well Coordinates: (Clinchfield Coal Co.)
S 21,687.66 W 73,923.58

WELL LOCATION PLAT

COMPANY Equitable Resources Exploration WELL NAME AND NUMBER VAC-2627
TRACT NO. PO-148 / T-938 ELEVATION 2632.20 QUADRANGLE Flat Gap
COUNTY Wise DISTRICT Gladeville SCALE 1" = 400' DATE 7-31-1992

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