

Department of Mines, Minerals and Energy
 Division of Gas and Oil
 P. O. Box 1416
 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 VCP3097 in the GLADEVILLE District of the WISE County, Virginia on 25TH day, JANUARY month, 19 94.

LOCATION

County: WISE District: GLADEVILLE
 Surface Elevation: 2290.82' Elevation of Kelly Bushing: 2301.0 Quadrangle: FLAT GAP
6250 FT. S. of Latitude 37° 02' 30" and 8950 FT. W. of Longitude 82° 42' 30"

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

DRILLING DATA

Date Drilling Commenced: 12-14-93 Drilling Contractor: UNION DRILLING
 Date Drilling Completed: 12-20-93 Rig Type: Rotary Cable Tool
 Total Depth of Well: LTD=2723 DTD=2720

GEOLOGICAL DATA

Fresh Water at: 97 Feet 3" STREAM ~~GPM~~ 20 Feet 6" STREAM ~~GPM~~
578 Feet DAMP ~~GPM~~ 50 Feet 5" STREAM ~~GPM~~
~~Salt Water at:~~ 1083 Feet 1/8" STREAM ~~GPM~~ Feet GPM
 Feet GPM Feet GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		
				YES	NO	MINED OUT
U. CLINTWOOD (SPLIT)	771	803	32			
DORCHESTER	937	939	2			
NORTON (SPLIT)	1000	1037	37			
RAVEN	1893	1898	5			
WARCREEK	2490	2492	2			
L. HORSEPEN	2622	2626	4			

GAS AND OIL SHOWS: NONE REPORTED

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

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: LDT/GR/TEMP

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
140	3/4°	1548	3/4°
222	3/4°	1609	1/2°
433	1/4°	1765	BULL'S EYE
522	3/4°	1951	3/4°
742	3/4°	2166	3/4°
784	3/4°	2355	3/4°
944	1/2°	2538	1/2°
1143	1/2°	2632	1°
1333	3/4°	2720	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>	16"		37"	27'			
<u>Surface</u>	11 3/4"		96'	86'			
<u>Water Protection</u>	8 3/8"		326'	310'	100(118)	12-15-93	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	4 1/2" 2 3/8"		2687' 2650	2677'	540(697)	12-21-93	

Liners

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

DRILLER'S LOG

Compiled by ENGINEERING

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	COLOR	DEPTH		THICKNESS	REMARKS
				TOP	BOTTOM		
PENNSYLVANIAN	SAND, SHALE & THIN COALS			0	771	771	
	UPPER CLINTWOOD COAL (SPLIT)			771	803	32	
	SAND, SHALE & THIN COALS			803	937	134	
	DORCHESTER COAL			937	939	2	
	SAND, SHALE & THIN COALS			939	1000	61	
	NORTON COAL (SPLIT)			1000	1037	37	
	SAND, SHALE & THIN COALS			1037	1893	856	
	RAVEN COAL			1893	1898	5	
	SAND, SHALE & THIN COALS			1898	2490	592	
	WARCREEK COAL			2490	2492	2	
	SAND, SHALE & THIN COALS			2492	2622	130	
LOWER HORSEPEN COAL			2622	2626	4		
SAND, SHALE & THIN COALS			2626	2723	97		
	LOGGER'S TOTAL DEPTH				2723		

Permittee: EQUITABLE RESOURCES-EXPLORATION (Company)

By: Joseph W. Kelley (Signature)

SCALED
8950'

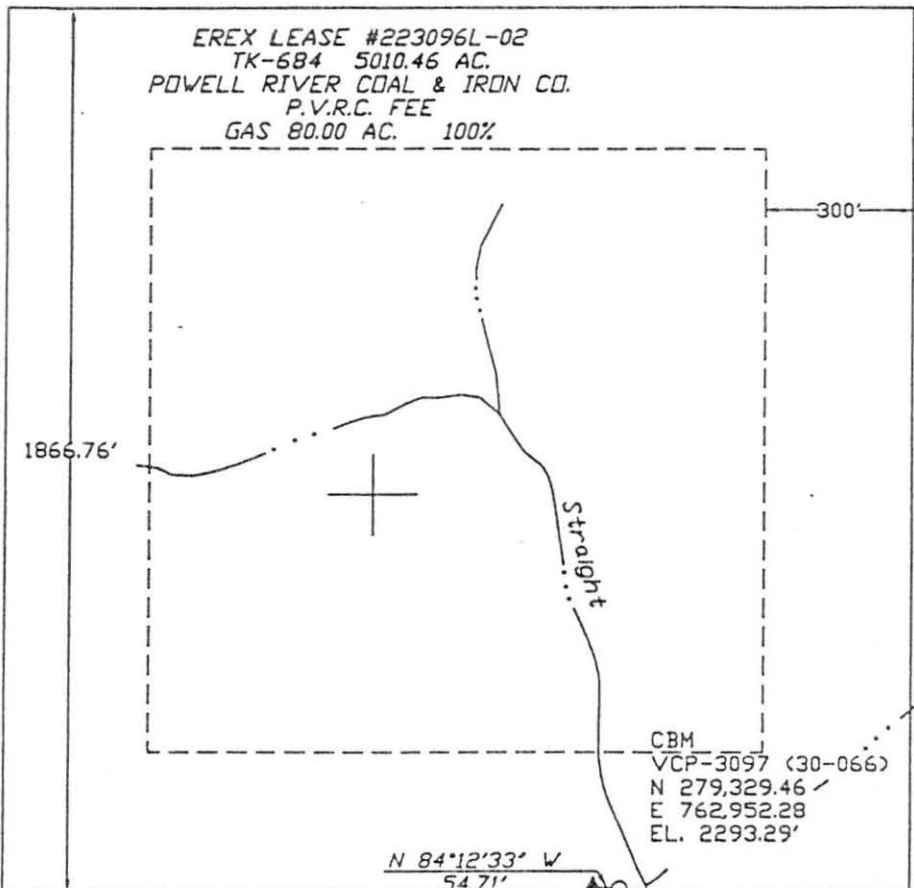
Latitude 37° 02' 30"

Longitude 82° 42' 30"

SCALED
6250'

STATE PLANE
NORTH

EREX LEASE #223096L-02
TK-684 5010.46 AC.
POWELL RIVER COAL & IRON CO.
P.V.R.C. FEE
GAS 80.00 AC. 100%



CBM
VCP-3097 (30-066)
N 279,329.46'
E 762,952.28'
EL. 2293.29'

N 84°12'33" W
54.71'

EXISTING WELL
10066

S 12°20'57" E
245.90'

PINE BRANCH MINE
TAGGART SEAM
ABANDONED



FINAL
P.V.R.C. COORDINATES
VCP-3097 (30-066)
N 70,954.79
E 68,146.19

ALL COORDINATES BASED
ON VIRGINIA STATE PLANE
GRID SYSTEM

Well Elevation determined
by trigonometric leveling
from P.V.R.C. station 16800.

Area of Unit- 80 Ac.

WELL LOCATION PLAT

16-9-82

Company EQUITABLE RESOURCES EXPLORATION Well Name and Number VCP-3097 (30-066)
Tract No. 684 Elevation 2293.29' Quadrangle FLAT GAP
County WISE District GLADEVILLE Scale: 1" = 400' Date 12/14/93

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.

J.B. POWERS

Licensed Professional Engineer or Licensed Land Surveyor

WS 415

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

Operations Name: VCP-3097
Permit No.: 2557

Department of Mines, Minerals and Energy
Division of Gas and Oil
P.O. Box 1416
Abingdon, VA 24210
(703) 676-5423

PLUGGING AFFIDAVIT



STATE OF VIRGINIA, CITY/COUNTY OF WISE, TO-WIT:
Tony Davis (Name) AND Mike Jaskoski (Name)
being first duly sworn, depose and say that:

They are both experienced in the plugging of wells and participated in the plugging work which is the subject of the Affidavit on the referenced well.

THE PLUGGING WORK WAS FOR THE PURPOSE CHECKED BELOW:

- At the end of production or other use.
- After drilling, redrilling or deepening was unsuccessful.
- Partial plugging from the bottom of the hole to _____ feet below the surface, and continued operation by the well operator.
- Partial plugging from the bottom of the hole to _____ feet below the surface, for development as a water well.
- Replug
- Plugging of a corehole.

THE MANNER OF PLUGGING OR REPLUGGING WAS COMMENCED ON 09/19/95, AND WAS COMPLETED ON 09/19/95.

PLUGGING DETAILS

INTERVAL (FROM BOTTOM OF HOLE)		TYPES OF MATERIALS USED						
FROM	TO	FORMATION(S)	PLUGGING	FILLING	BRIDGE	OPEN HOLE	CASING SIZE	FILLED LINER

(ATTACH PLUGGING DETAILS IN THIS FORMAT AND A WELL SCHEMATIC ON SEPARATE SHEETS)

Finally, if this affidavit concerns a well that was abandoned after plugging, a permanent marker or permanent offset marker has or has not been erected.

First Signature Michael P Jaskoski
Second Signature Tony C. Davis
Date 9-25-95

NOTARY PUBLIC
Subscribed and sworn to before me a notary public, in and for the Wise County,
Virginia State, this 26th day of September, 1995.

Jennifer A. Peters (Signature) My Commission Expires May 31, 1997

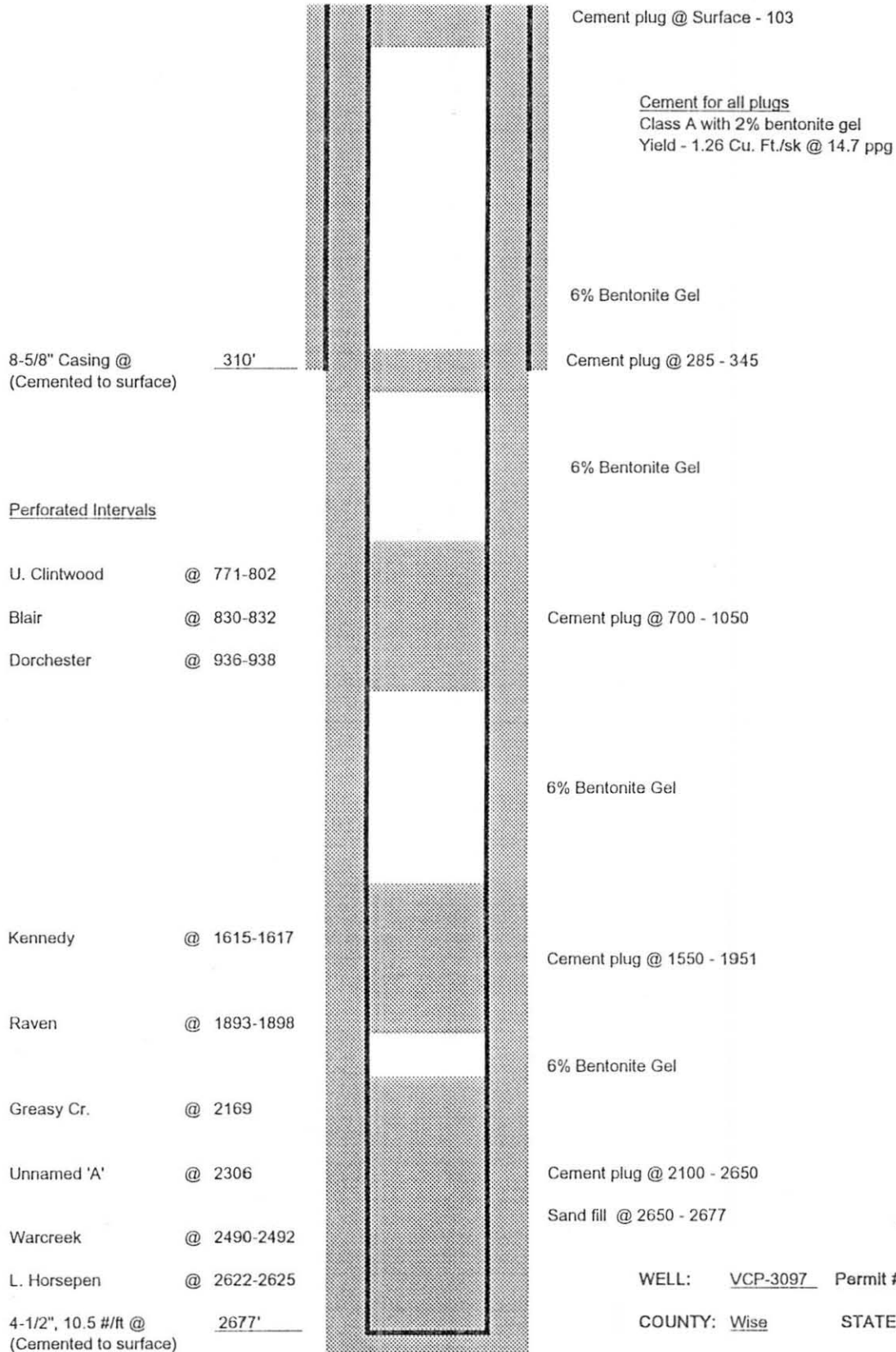
OK
PJP
10-12-95

WELL NO. VCP-3097DGO PERMIT NO. 2557

FROM	TO	FORMATIONS	PLUGGING MATERIAL	FILLING MATERIAL	BRIDGING MATERIAL	OPEN HOLE	CASING SIZE	FILLED LINER
2677	2650	Sd, Sh, Thin Coal	N/A	N/A	Sand fill	N/A	4 1/2"	N/A
2650	2100	"	Class A Cement	N/A	N/A	N/A	4 1/2"	N/A
2100	1951	"	N/A	6% Gel Water	N/A	N/A	4 1/2"	N/A
1951	1550	"	Class A Cement	N/A	N/A	N/A	4 1/2"	N/A
1550	1050	"	N/A	6% Gel Water	N/A	N/A	4 1/2"	N/A
1050	700	"	Class A Cement	N/A	N/A	N/A	4 1/2"	N/A
700	345	"	N/A	6% Gel Water	N/A	N/A	4 1/2"	N/A
345	285	"	Class A Cement	N/A	N/A	N/A	4 1/2"	N/A
285	103	"	N/A	6% Gel Water	N/A	N/A	4 1/2"	N/A
103	Surf	"	Class A Cement	N/A	N/A	N/A	4 1/2"	N/A

SERVICE CO: Union Drilling and Dowell-Schlumberger

WELLBORE SCHEMATIC



WELL: VCP-3097 Permit # 2557

COUNTY: Wise STATE: VA.

FIELD: Roaring Fork

CARTER COORD: 16 - G - 82