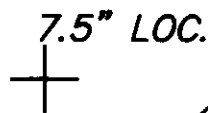
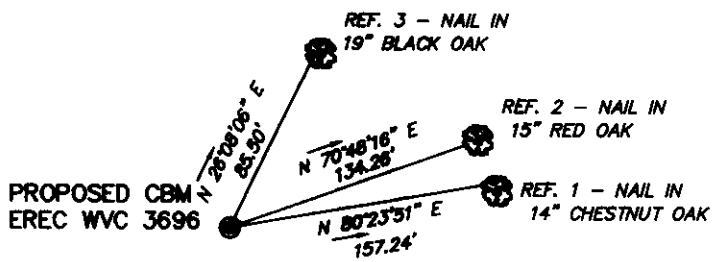


37° 22' 30"

3,800

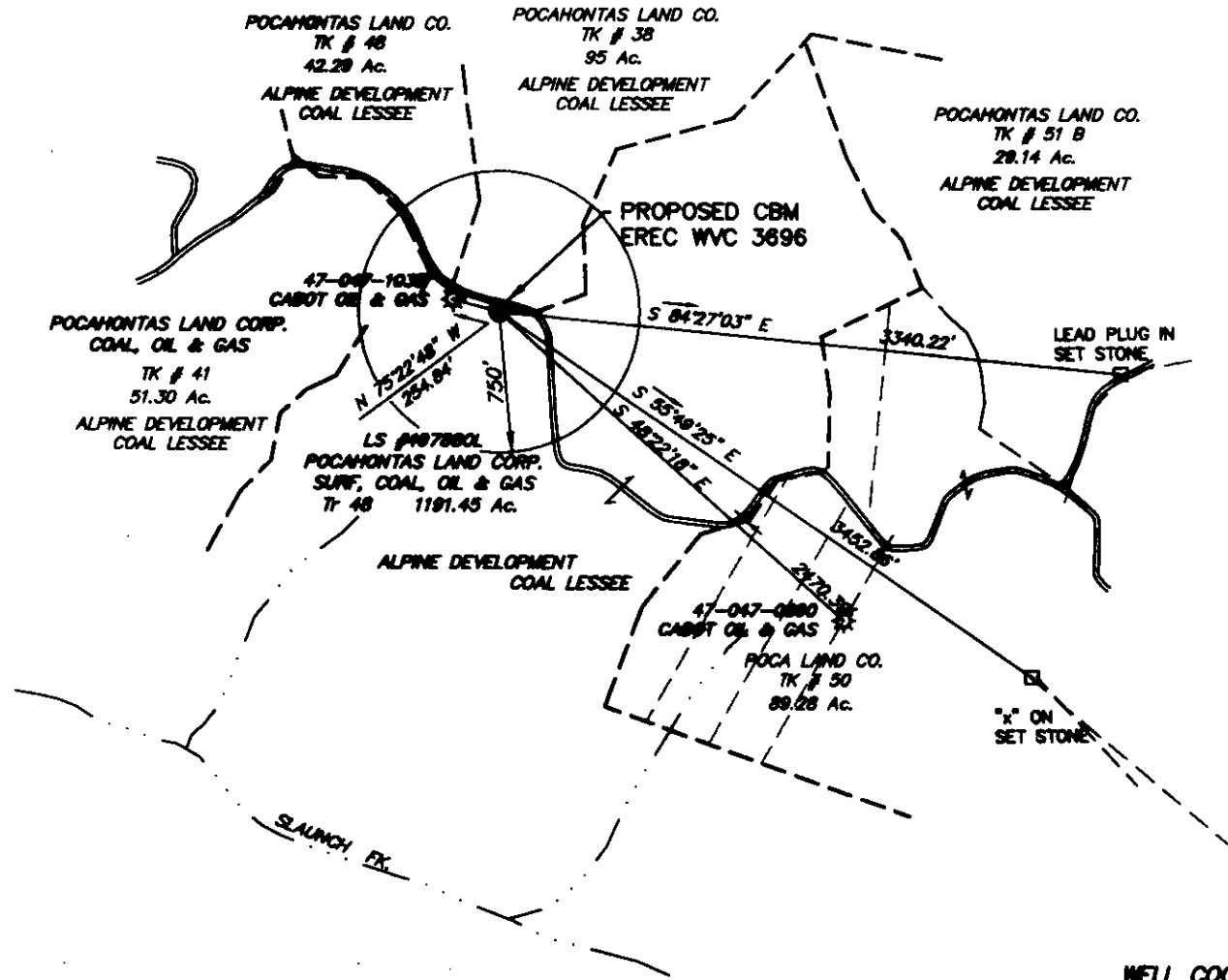
REFERENCES N.T.S.



.645
.72 W

LONGITUDE 81° 52' 30"

NORTH



WELL COORDINATES
W. VA. STATE PLANE
N 134391.0469
E 1741915.0875

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No. 9614-13
DRAWING No. EREC WVC 3696
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 : 2500
PROVEN SOURCE OF ELEVATION USGS BM 151 RHP, 1959, EL. 2156

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES
(SIGNED) William J. Whitman
R.P.E. _____ R.P.S. 646

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
NITRO, WV

DATE JULY 5 19 97
OPERATOR'S WELL No. WVC 3696
API WELL No. _____

WELL TYPE: OIL ___ GAS ___ CBM ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 2063.64 WATER SHED SLAUNCH FORK
DISTRICT SANDY RIVER COUNTY McDOWELL
QUADRANGLE PATTERSON, W. VA. - VA.

SURFACE OWNER POCAHONTAS LAND CORP. ACREAGE 1191.45
OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORP. LEASE ACREAGE 15,379.43
LEASE No. 497880L

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Hand drill

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION PENNSYLVANIAN COAL ESTIMATED DEPTH 2315' SEP 22 1997
WELL OPERATOR EQUITABLE RESOURCES ENERGY CO. DESIGNATED AGENT DAVID DEAN
ADDRESS 1989 EAST STONE DR. ADDRESS P.O. DRAWER 40
KINGSPORT, TN 37660 BUCHANNON, WV 26201

WR-35

21-Aug-97
API # 47- 47-01316 C

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP Operator Well No.: WVC-3696

LOCATION: Elevation: 2,063.64 Quadrangle: PATTERSON

District: SANDY RIVER County: MCDOWELL
Latitude: 3350 Feet South of 37 Deg. 22Min. 30 Sec.
Longitude 3800 Feet West of 81 Deg. 52 Min. 30 Sec.

Company: EQUITABLE RESOURCES EXP.

1989 E. STONE DR., P.O. BOX 1983
KINGSPORT, TN 37662-1983

Agent: DAVID A. DEAN

Inspector: OFIE HELMICK

Permit Issued: 08/21/97

Well work Commenced: 9/27/97

Well work Completed: 10/1/97

Verbal Plugging

Permission granted on:

Rotary x Cable _____ Rig

Total Depth (feet) LTD=2343 DTD=2365

Fresh water depths (ft) 353 & 1731'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N

Coal Depths (ft): 212-216, 239-242, 297-300,

542-546, 782-785, 809-813, 834-840, 883-887,

1365-1368, 1530-1540, 1662-1670, 1781-1787, 1868-1872, 1877-1881, 1945-1948, 2032-2035

OPEN FLOW DATA 2138-2142

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	45	45	
8 5/8	231	231	124
4 1/2	2298	2298	635
2 3/8	2144	2144	

Producing formation COAL SEAMS * Pay zone depth (ft) 1361-1944.5
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 10 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 240 psig (surface pressure) after 48 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

MICHAEL P JASKOSKI
For: EQUITABLE RESOURCES EXP. INC.

By: Michael P Jaskoski
Date: 4-28-98

Mc Dow 1316c

API #: 47-047-01316 C
 OPERATOR WELL #: WVC3696
 FARM NAME: POCAHONTAS LAND CORP

1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING; PHYSICAL CHANGE, ETC.

1ST STAGE - PERFORATED POCO SEAMS #5, 7 & 9, FIRECREEK, BECKLEY, WELCH, FROM 1361 - 1944.5 WITH 20 PERFORATIONS. FRACTURED ON 10/21/97 BY DOWELL WITH 70Q LE FOAM; 27900# 12/20 SAND, 640,000 SCF N2, 587 TOTAL BBLs FLUID. BREAKDOWN PRESSURE 1333 PSI, MAX PRESSURE 3901 PSI, AVERAGE PRESSURE 3640 PSI, ISIP 1134 PSI, 1 MIN SIP 1149 PSI, 5 MIN SIP 1072 PSI. AVERAGE INJECTION RATE 51 BPM; F.G. = 1.13.

2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

SAND, SHALE & THIN COALS	0	1361	1361
WELCH	1361	1364	3
SAND, SHALE & THIN COALS	1364	1546	182
BECKLEY	1546	1549	3
SAND, SHALE & THIN COALS	1549	1664	115
FIRE CREEK	1664	1666	2
SAND, SHALE & THIN COALS	1666	1721	55
POCO #9	1721	1722	1
SAND, SHALE & THIN COALS	1722	1865	143
POCO #7	1865	1867	2
SAND, SHALE & THIN COALS	1867	1944	77
POCO #5	1944	1945	1
SAND, SHALE & THIN COALS	1945	2343	398

LOGGER'S TOTAL DEPTH	2343
DRILLER'S TOTAL DEPTH	2365

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

24153

Well Operator: Equitable Resources Energy Company / 6155 (6) 534
Operator's Well Number: WVC-3696 3) Elevation: 2063.64
Well type: (a) Oil ___ / or Gas X / CBM Issued 08/21/97
(b) If Gas: Production ___ / Underground Storage ___ / Expired 08/21/99
Deep ___ / Shallow ___
Proposed Target Formation(s): Pennsylvanian Coals
6) Proposed Total Depth: 2315 feet
7) Approximate fresh water strata depths: Unknown
8) Approximate salt water depths: Unknown
9) Approximate coal seam depths: See Attached Prognosis
10) Does land contain coal seams tributary to active mine? Yes ___ / No ___ /
11) Proposed Well Work: Drill - Stimulate - Complete

RECEIVED
Environmental Protection
450 10 1997
Permitting
Office of Oil & Gas

CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, Liners.

PACKERS : Kind ___
Sizes ___
Depths set ___

For Office of Oil and Gas Use Only

Fee(s) paid: ___ Well Work Permit ___ Reclamation Fund ___ WPCP ___
Plat ___ WW-9 ___ WW-2B ___ Bond ___ Agent ___
(Type)

RECEIVED
 WV Division of
 Environmental Protection

047-1316-C

AUG 1 1987

**WEST VIRGINIA COALBED METHANE
 DRILLING PROGNOSIS DATA SHEET**

Permitting
 Office of Oil & Gas

Well No	<u>WVC-3696</u>	Field Name	<u>Bradshaw - CBM</u>
Farm Name	<u>Pocahontas Land Corp.</u>	Carter Coordinates	<u></u>
Lease/Fee No	<u>PLC - 497880L</u>	Longitude	<u>3,800' W 81 52' 30"</u>
Quadrangle	<u>Patterson</u>	Latitude	<u>3,350' S 37 22' 30"</u>
County	<u>McDowell</u>	Waters	<u></u>
State	<u>West Virginia</u>		

DRILLING OBJECTIVES

Primary: Pennsylvanian Coals
 Secondary:
 Proposed Geophysical Logging Suite: Enhanced Coal Log
 Elevation: 2063.64

ESTIMATED COAL TOPS

Iager	<u>850</u>	Poco # 5	<u>1925</u>
Welch	<u>1325</u>	Poco # 3	<u>2035</u>
Beckley	<u>1530</u>	Poco # 1	<u>2115</u>
Fire Creek	<u>1630</u>	Poco #	<u></u>
Poco # 7	<u>1850</u>	Red Rock	<u></u>
Poco # 6	<u>1895</u>	Total Depth	<u>2315'</u>

REMARKS:

TENTATIVE CASING AND CEMENTING TECHNIQUES

<u>Surface</u>	CSG OD	<u>11-3/4"</u>	CSG DEPTH	<u>20'</u>
	Lead in Cement System			
	Tail in Cement System			
<u>Intermediate</u>	CSG OD	<u>8-5/8"</u>	CSG DEPTH	<u>300'</u>
	Lead in Cement System			
	Tail in Cement System			
<u>Production</u>	CSG OD	<u>4-1/2"</u>	CSG DEPTH	<u>2295'</u>
	Lead in Cement System			

1) Date: August 9, 1997
2) Operator's well number WVC-3696
3) API Well No: 47 - 47 - 1316-C
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Pocahontas Land Corporation
Address P.O. Box 1517
Bluefield, WV 24701
(b) Name _____
Address _____
(c) Name _____
Address _____
5) Inspector Offie Helmick
Address P.O. Box 398
Brenton, WV 24818
Telephone (304) - 759-0579

(a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Pocahontas Land Corporation
Address P.O. Box 1517
Bluefield, WV 24701
Name _____
Address _____
(c) Coal Lessee with Declaration
Name Alpine Development Company
Address P.O. Box 303
Welch, WV 24801

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22, Article 6, Section 3(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Equitable Resources Energy Company
By: Michael P. Parkash
Its: Manager-Drilling & Workover
Address 1989 East Stone Drive, P.O. Box 1983
Kingsport, Tennessee 37662-1983

Telephone (423) 224-3800
Subscribed and sworn before me this 8th day of August, 1997

Janice Shreve Stearns
Notary Public
My commission expires December 31, 2000

540-503-5003