

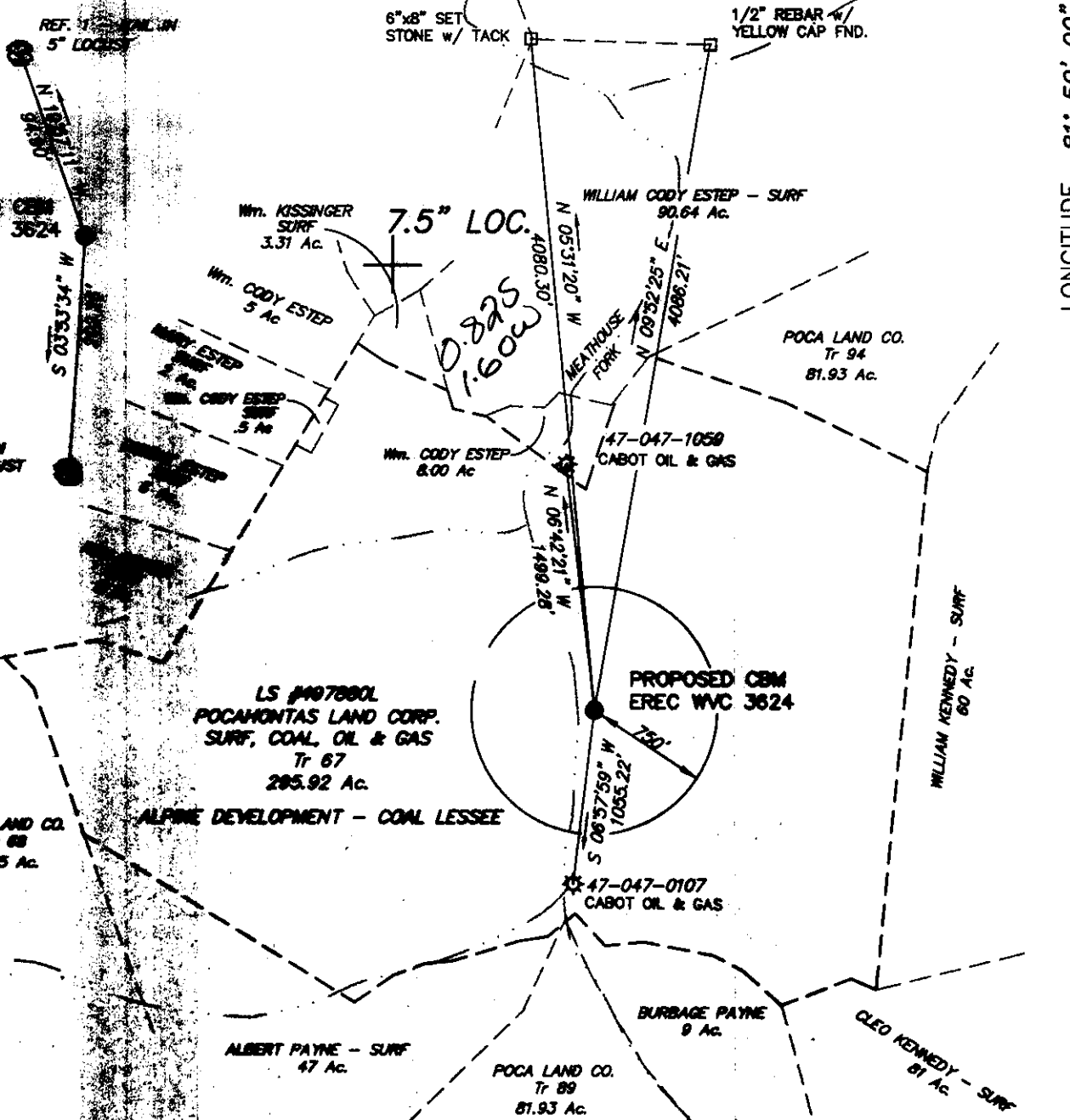
4,300'

LATITUDE 37° 22' 30"

LONGITUDE 81° 50' 00"

REFERENCES N.T.S.

*James
9/1/96*



NOTE: NO POSSIBLE WATER SOURCES LOCATED WITHIN 1000' OF PROPOSED LOCATION.

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

WELL COORDINATES
W. VA. STATE PLANE
N 133828.7329
E 1749219.0319

FILE No. 9614-3
 DRAWING No. EREC WVC 3624
 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
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE AUGUST 7 19 96
 OPERATOR'S WELL No. WVC 3624
 API WELL No. _____

WELL TYPE: OIL ___ GAS CEM LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE COUNTY PERMIT
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1511.46 WATER SHED MEATHOUSE FORK OF PANTHER CREEK
 DISTRICT SANDY RIVER COUNTY McDOWELL
 QUADRANGLE BRADSHAW, W. VA. - VA.

SURFACE OWNER POCAHONTAS LAND ACREAGE 295.92
 OIL & GAS ROYALTY OWNER POCAHONTAS LAND CO. 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) 6-6 383

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION PENNSYLVANIAN COAL ESTIMATED DEPTH _____
 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

SEP 06 1996

FORM IV-6 (6-78)

MAR 14 1997

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

Office of Oil and Gas
Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP. Operator Well No.: WVC 3624

LOCATION: Elevation: 1,511.46 Quadrangle: BRADSHAW

District: SANDY RIVER County: MCDOWELL
Latitude: 4300 Feet South of 37 Deg. 22Min. 30 Sec.
Longitude: 8500 Feet West of 81 Deg. 50 Min. 0 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: 09/04/96
Well work Commenced: 09/25/96
Well work Completed: 09/28/96
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) LTD=1690 DTD=1690
Fresh water depths (ft) 71'/1345'

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8	71	71	
8 5/8	320	320	184
4 1/2	1629	1629	454
2 3/8	1510	1510	
5/8 RODS	1504	1504	

OPEN FLOW DATA

Producing formation COAL SEAMS* Pay zone depth (ft) 1401.5-1532
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 65 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 310 psig (surface pressure) after 48 Hours

* BECKLEY, FIRE CREEK, POCO#9, POCO#7, POCO#6 RIDER, POCO#6, POCO#4, POCO#3, POCO#2, POCO#1
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 _____ Hour.

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.

Thomas H. Blake
For: EQUITABLE RESOURCES EXP. INC.

By: THOMAS H. BLAKE

Date: 4/27/97

MAR 14 1997

WVCP3624
 API # 47-047-01279 C

Perfs: Size & Type .34 12 ga Goex

Number 17

Spacing	1401.5	-	1402.5	(3H)
	1438	-	1440	(5H)
	1481	-	1482.5	(4H)
	1530	-	1532	(5H)

Fractured 10/11/96 by Dowell Schlumberger
 70Q LE Foam Frac of Multiple Coal Seams; BKDN 2640#; Ballout to 4509# w/
 700 gal 7.5% Hcl; Rec 36 Balls w/ 16 hits; ATP 3700#, ATR 12.3 BPM, Max
 press 4042#, ISIP 1630, 1 min SIP 1607#, & 5 min 1570#, VOL: 244 BF, 12395#
 12/20 SD, N2=394200 SCF - ARO 19710 SCFM

Formations	From	To	Thickness
Sand, Shale & Thin Coals	0	640	640
Sewell "B"	640	642	2
Sand, Shale & Thin Coals	642	903	261
Beckley	903	906	3
Sand, Shale & Thin Coals	906	1036	130
Fire Creek	1036	1038	2
Sand, Shale & Thin Coals	1038	1280	242
Poco #6 Rider	1280	1282	2
Sand, Shale & Thin Coals	1282	1296	14
Poco #6	1296	1301	5
Sand, Shale & Thin Coals	1301	1323	22
Poco #5	1323	1325	2
Sand, Shale & Thin Coals	1325	1438	113
Poco #3	1438	1440	2
Sand, Shale & Thin Coals	1440	1530	90
Poco #1	1530	1532	2
Sand, Shale & Thin Coals	1532	1690	158

AUG 29 1996 STATE OF WEST VIRGINIA

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

Permitting WELL WORK PERMIT APPLICATION 16155 (6) 261

Office of Oil & Gas

- 1) Well Operator: Exxon Mobile Resources Energy Company - Eastern Region
- 2) Operator's Well Number: WVC 3624 3) Elevation: 1511.46
- Well type: (a) Oil / or Gas X 1 CBM Issued 09/04/96
- (b) If Gas: Production X / Underground Storage / 09/04/98
- Deep / Shallow X
- Proposed Target Formation(s): Pennsylvanian Coals
- Proposed Total Depth: 1600 feet
- Approximate fresh water strata depths: 250'
- 8) Approximate salt water depths: 965', 1252'
- 9) Approximate coal seam depths: See Attached Drilling Prognosis
- 10) Does land contain coal seams tributary to active mine? Yes / No X
- 11) Proposed Well Work: Drill - Stimulate - Complete
- 12)

22510

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4	B	35 #	38'	38'	Drive Pipe
Fresh Water	8 5/8	M50	20 #	300'	300'	To Surface 76 ft ³
Coal						
Intermediate						
Production	4 1/2	M65	9.5 #	-	1580'	To Surface 190 ft ³
Tubing	2 3/8	M50	4.6 #	-	1550'	N4
Liners	9 5/8		36 #	38'	38'	14 lined out Coal Seam @ 100'

PACKERS : Kind 50 Sizes 50" Depths set 22-6-20

For Office of Oil and Gas Use Only

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

RECEIVED

WV Division of
Environmental Protection

AUG 29 1996

Permitting
Office of Oil & Gas

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Page 1 of _____
Form WW2-A
(6/94)
File Copy

1) Date: August 26, 1996
2) Operator's well number
WVC-3624
3) API Well No: 47 - 047 - 1279-C
State County Permit

4) Surface Owner(s) to be served:
(a) Name Pocahontas Land Corp.
Address P.O. Box 1517
Bluefield, WV 24701
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mr. Ofie Helmick
Address P.O. Box 398
Brenton, WV 24818
Telephone (304) - 543-0764

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Pocahontas Land Corp
Address P.O. Box 1517
Bluefield, WV 24701
Name _____
Address _____
(c) Coal Lessee with Declaration
Name Alpine Development
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 8(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 Co., Eastern Region

By: Michael P. Jackowski

Its: Manager - Drilling & Production

Address 1989 East Stone Drive, P.O. Box 1983

Kingsport, Tennessee 37662-1983

Telephone (615) 224-3800

Subscribed and sworn before me this _____ day of _____, 19____

Notary Public

My commission expires _____