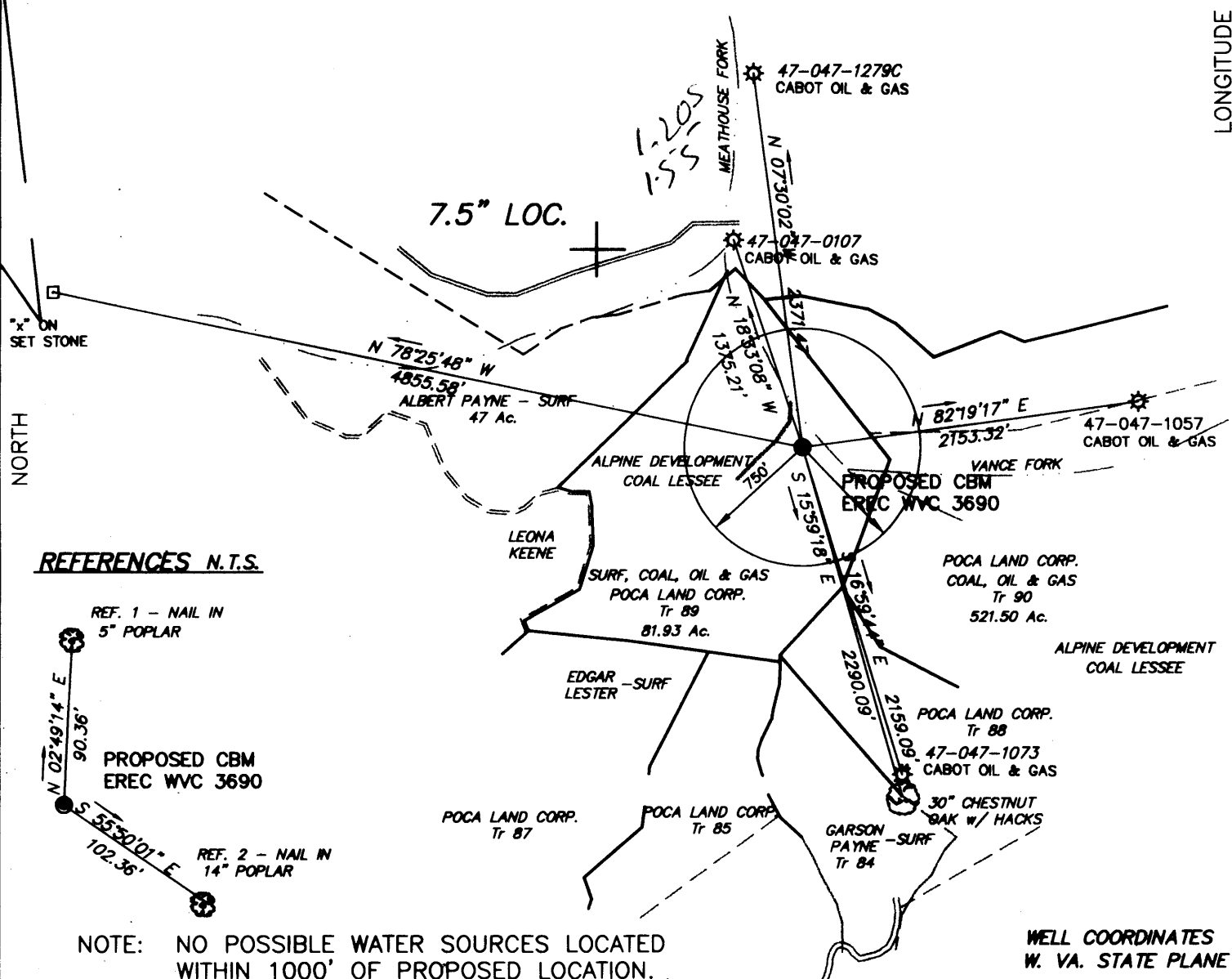


Jamie
7/2/97

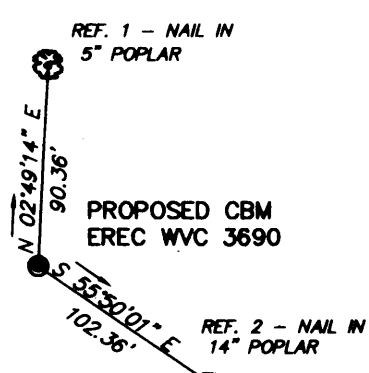
LATITUDE 37° 22' 30"

LONGITUDE 81° 50' 00"

POCAHONTAS LAND CORP.
Tr 67
295.92 Ac.



REFERENCES N.T.S.



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 131477.5547
E 1749528.5981

FILE No 9614-6
DRAWING No. EREC WVC 3690
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 MAY 19 19 97
OPERATOR'S WELL No. WVC 3690
API WELL No. _____

WELL TYPE: OIL ___ GAS CBM LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE 47 COUNTY 047-01307-C PERMIT
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1534.27 WATER SHED MEATHOUSE FORK OF PANTHER CREEK
DISTRICT SANDY RIVER COUNTY McDOWELL
QUADRANGLE BRADSHAW, W. VA. - VA.

SURFACE OWNER POCAHONTAS LAND CORP. ACREAGE 81.93
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) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG _____
TARGET FORMATION PENNSYLVANIAN COALS ESTIMATED DEPTH 1655' JUL 3 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.

30-Jun-97
API # 47- 47-01307 C

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

ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP. Operator Well No.: WVC-3690

LOCATION: Elevation: 1,534.27 Quadrangle: BRADSHAW

District: SANDY RIVER County: MCDOWELL
Latitude: 6300 Feet South of 37 Deg. 22Min. 30 Sec.
Longitude 8200 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: 07/02/97
Well work Commenced: 10/11/97
Well work Completed: 10/14/97
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) LTD=1650 DTD=1653
Fresh water depths (ft) 60', 1152'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? Y
Coal Depths (ft): 75-81'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16	35	35	
11 3/4	136	136	59
8 5/8	320	320	130
4 1/2	1640	1640	464
2 3/8	1618	1618	

OPEN FLOW DATA

Producing formation COAL SEAMS * Pay zone depth (ft) 864-1296.5
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 40 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 255 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.

- * BECKELY POCO #7
- FIRECREEK POCO #6 RIDER
- POCO #9 POCO #5
- POCO #4
- POCO #3
- POCO #2
- POCO #1

For: MICHAEL P JASKOSKI
EQUITABLE RESOURCES EXP. INC.

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

MCDOW 1307C

API #: 47-047-01307 C
 OPERATOR WELL #: WVC3690
 FARM NAME: POCAHONTAS LAND CORP

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

1ST STAGE - PERFORATED POCO SEAMS #1,2,3,4,5, 6 RIDER & 7 FROM 1203.5 - 1296.5 WITH 22 PERFORATIONS. FRACTURED & REFRACURED ON 11/5/97 BY DOWELL WITH 70Q LE FOAM; 17200# 12/20 SAND, 495,000 SCF N2, 323 TOTAL BBLs FLUID. BREAKDOWN PRESSURE 2087 PSI, MAX PRESSURE 4083 PSI, AVERAGE PRESSURE 3730 PSI, ISIP 1593 PSI, 1 MIN SIP 1785 PSI, 5 MIN SIP 1565 PSI. AVERAGE INJECTION RATE 11.3 (36) BPM (DH). SET FRAC PLUG @ 1080'

2ND STAGE - PERFORATED FIRE CREEK, BECKLEY & POCO #9 FROM 864 - 1040.5 WITH 13 PERFORATIONS. FRACTURED ON 11/5/97 BY DOWELL WITH 70Q LE FOAM; 12700# 12/20 SAND, 395,000 SCF N2, 319 TOTAL BBLs FLUID. BREAKDOWN PRESSURE 1869, MAX PRESSURE 4032 PSI, AVERAGE PRESSURE 3640 PSI, ISIP 1655 PSI, 1 MIN SIP 1666 PSI, 5 MIN SIP 1460 PSI., AVERAGE INJECTION RATE 13.1 BPM. F.G. = 1.88.

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	864	864
BECKLEY	864	868	4
SAND, SHALE & THIN COALS	868	988	120
FIRE CREEK	988	990	2
SAND, SHALE & THIN COALS	990	1040	50
POCO #9	1040	1042	2
SAND, SHALE & THIN COALS	1042	1203	161
POCO #7	1203	1205	2
SAND, SHALE & THIN COALS	1205	1234	29
POCO #6 RIDER	1234	1236	2
SAND, SHALE & THIN COALS	1236	1295	59
POCO #5	1295	1297	2
SAND, SHALE & THIN COALS	1297	1363	66
POCO #4	1363	1365	2
SAND, SHALE & THIN COALS	1365	1402	37
POCO #3	1402	1404	2
SAND, SHALE & THIN COALS	1404	1440	36
POCO #2	1440	1442	2
SAND, SHALE & THIN COALS	1442	1489	47
POCO #1	1489	1491	2
SAND, SHALE & THIN COALS	1491	1650	159
LOGGER'S TOTAL DEPTH		1650	
DRILLER'S TOTAL DEPTH		1653	