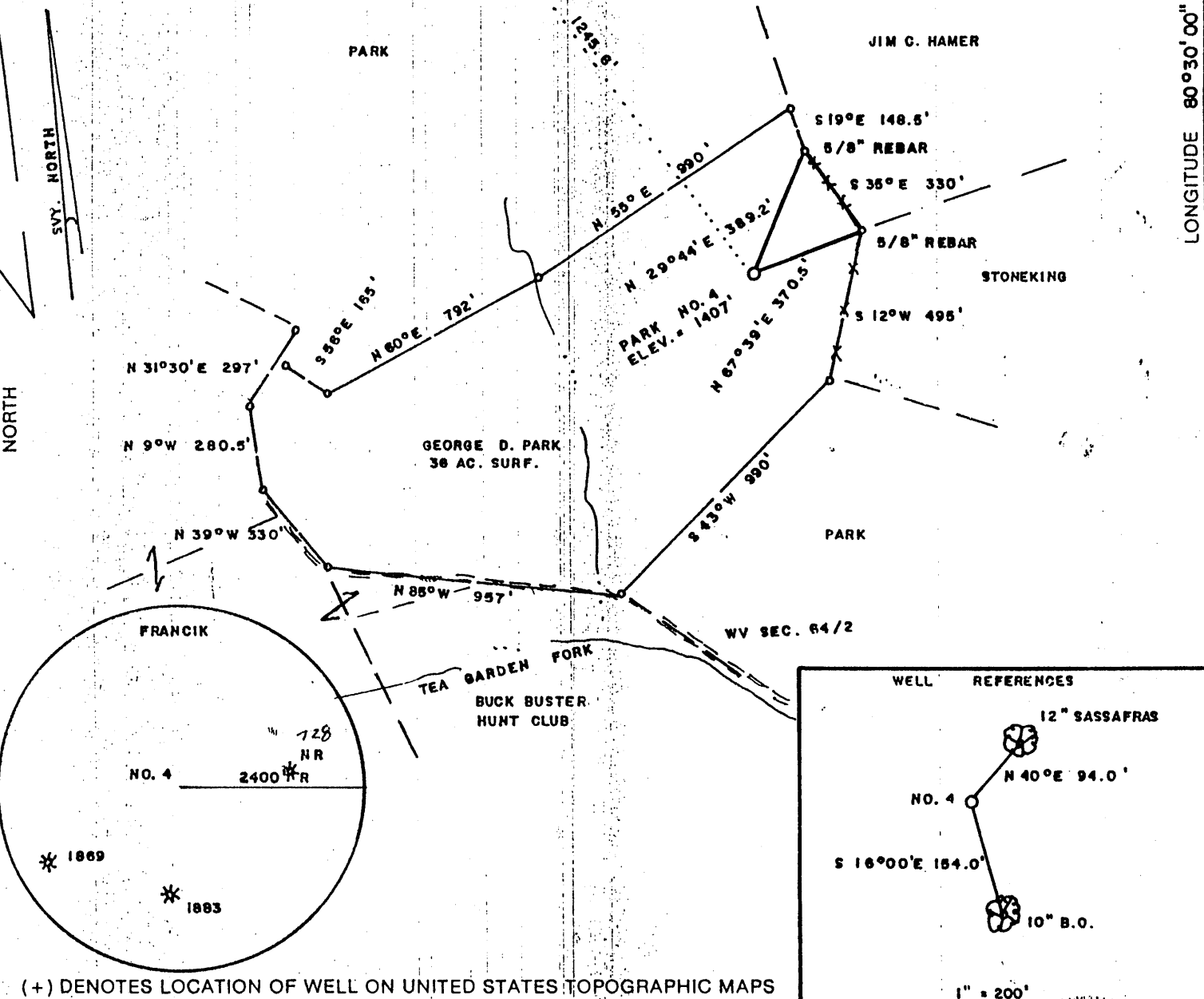


**PARK LEASE 36.25 AC.**

4300' W  
LATITUDE 39°37'30"

S 0611  
00,06,08 EDMLIGNOT

23  
81



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

FILE NO: \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION TOP OF KNOB SW OF LEASE ELEV. = 1635'

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 ENERGY.  
(SIGNED) Mark C. Echard  
R.P.E. \_\_\_\_\_ L.L.S. 490

WELL REFERENCES  
12" SASSAFRAS  
NO. 4  
N 40° E 94.0'  
S 16° 00' E 154.0'  
10" B.O.  
1" = 200'  
PLACE SEAL HERE

STATE OF WEST VIRGINIA  
Division of Environmental Protection  
OFFICE OF OIL AND GAS

DATE AUGUST 15, 2002  
OPERATOR'S WELL NO. PARK NO. 4  
API WELL NO. 47-103-01898  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW

LOCATION: ELEVATION 1407' WATERSHED TEA GARDEN FORK  
DISTRICT CHURCH COUNTY WETZEL  
QUADRANGLE BIG RUN 7.5'

SURFACE OWNER GEORGE D. PARK ACREAGE 36  
OIL & GAS ROYALTY OWNER GEORGE D. PARK, et al LEASE ACREAGE 36  
LEASE NO. \_\_\_\_\_

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION SPECHLEY ESTIMATED DEPTH 3900'  
WELL OPERATOR D.A.C. DESIGNATED AGENT MR. KENNETH MASON  
ADDRESS P.O. BOX 99 ALMA, WV 26320 ADDRESS P.O. BOX 99 ALMA, WV 26320

COUNTY NAME WET  
PERMIT 1898

6-6 (045)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

*Am*

Well Operator's Report of Well Work

Farm name: Park

Operator Well No.: Park #4

LOCATION: Elevation: 1,409'

Quadrangle: Big Run 7.5'

District: Church

County: Wetzel

Latitude: 375 Feet South of

39 Deg. 37 Min. 30 Sec.

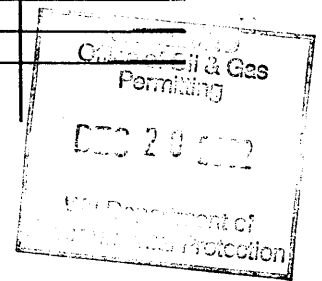
Longitude 4,300 Feet West of

80 Deg. 30 Min. 00 Sec.

Company: \_\_\_\_\_

D.A.C. \_\_\_\_\_

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address:				
Box 99 Alma WV 26320	9 5/8	225	215	68 sks
Agent: Kenneth Mason				
Inspector: Steven Mossor	6 5/8	1850	1817	100 sks
Date Permit Issued: 09/04/2002				
Date Well Work Commenced: 09/21/02	4 1/2	3640	3521	170 sks
Date Well Work Completed: 09/27/02				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3640'				
Fresh Water Depth (ft.): 48'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				



OPEN FLOW DATA

Producing formation Gordon/4th Pay zone depth (ft) 3180-3386  
 Gas: Initial open 900 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 650 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure 400# psig (surface pressure) after 48 Hours

Second producing formation Big Injun Pay zone depth (ft) 2512-2538  
 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

\* = commingled zones

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,

Signed: \_\_\_\_\_

By: President (DAC)  
Harold Allen

JAN 17 2003

WET 1898

Park #4

Stage #1	perfs	sand	avg rate	isip
Gordon 4th	3170-3468	250 sks	24 bpm	3644#
Big Injun	2502-2588	200 sks	24 bpm	2443#

Drillers Log

Sh	0	50
RR	50	125
Sd/Sh	125	575
Sd	575	591
Sd/Sh	591	898
RR	898	2095
Sd	2095	2218
Sd/Sh	2218	2358
LL	2358	2364
Sd/Sh	2364	2456
BL	2456	2501
Sd	2501	2590
Sd/Sh	2590	3207
Sd	3207	3267
Sd/Sh	3267	3304
Sd	3304	3354
Sd/Sh	3354	3640
Td	3640	

1" strm @ 32'

Damp @ 1255'

gas ck @ 2591 = 4/10 - 7" w/w

gas ck @ 2682 = 4/10 - 7" w/w

gas ck @ 3299 = 60/10 - 2" w/w

Electric Log Tops

Big Lime	2374
Berea	2780
Gordon	3200

