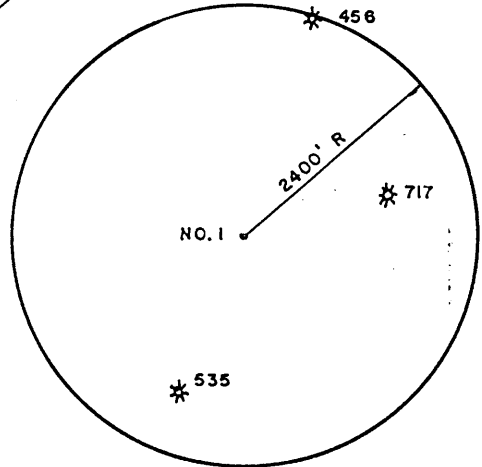
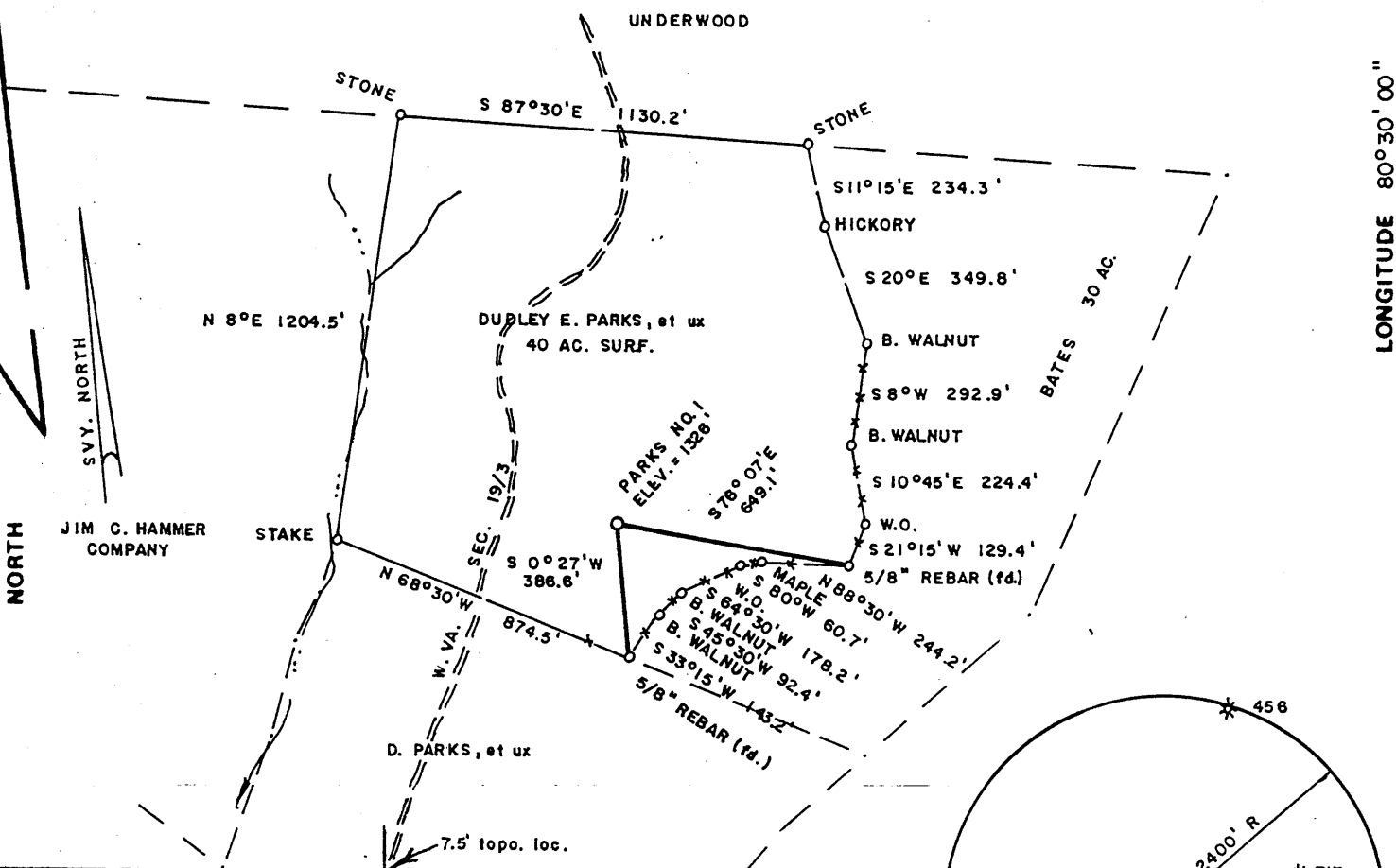


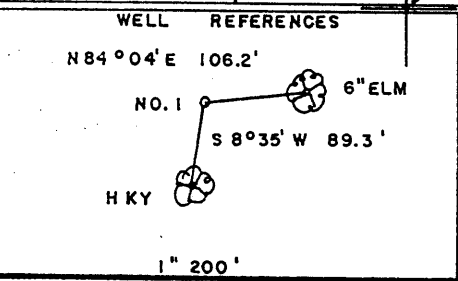
# PARKS LEASE 40 AC.

11,180' W  
LATITUDE 39°37'30"

LONGITUDE 80°05'08"



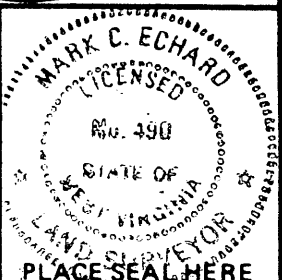
2.245  
2.11W



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION USGS BENCH MARK NORTH OF LEASE ELEV. = 1387'

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.

*Mark C. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE AUGUST 12, 19 98  
 OPERATOR'S WELL NO. PARKS NO. 1  
 API WELL NO. \_\_\_\_\_  
 47 - 103 - 01769  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1326' WATER SHED WILLEY FORK  
 DISTRICT GRANT COUNTY WETZEL  
 QUADRANGLE BIG RUN

SURFACE OWNER DUDLEY E. PARKS, et ux ACREAGE 40  
 OIL & GAS ROYALTY OWNER DOLLY HOSTUTLER, et al LEASE ACREAGE 40  
 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 SPEECHLEY ESTIMATED DEPTH 3600' *6-6 75*  
 WELL OPERATOR D.A.C. *280* DESIGNATED AGENT KENNETH MASON *10-5*  
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99  
 ALMA, WV 26320 ALMA, WV 26320

WET 1769

WR-35

API# -47-103-1769

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

Well Operator's Report of Well Work

Farm Name: Parks  
Location: Elevation: 1326'  
District: Grant  
Latitude: 11,960 Feet South of  
Longitude: 11,180 Feet West of

Operators Well No.: Parks #1  
Quadrangle: Big Run 7.5'  
County: Wetzel  
39 Deg. 37 min. 30sec.  
80 Deg. 30 min. 00sec.

Company: Drilling Appalachian Corp  
P. O. Box 99  
Alma, WV 26320

casing tubing	used in drilling	left in well	cement fill up sks
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Agent: Kenneth Mason

9 5/8	250	222	75
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Inspector: Randal Mick

Permit Issued: 09 30 98

6 5/8	1950	1910	175
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Well Work Commenced: 10/12/98

Well Work Completed: 10/19/98

4 1/2	3692	3572	170
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Rotary: X Cable \_\_\_\_\_ Rig

Total Depth (feet) ~~N/A~~ 3692

Fresh Water Depths (ft) 140'

Salt Water Depths (ft) 1964

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

Coal Depths (ft): N/A

Impact U.S. 250  
DEC 08 1998

OPEN FLOW DATA

Producing formation 4th. Bayard

Pay zone depth (ft) 3214-3466

Gas: Initial open flow 231 MCF/D

Oil: Initial open flow 0 BBL/D

Final open flow \_\_\_\_\_ MCF/D

Final open Flow N/A BBL/D

Static Rock Pressure \_\_\_\_\_

psig (surface pressure) after N/A Hours

Second producing formation Big Injun

Pay zone depth (ft) 2424-2450

Gas: Initial open flow \* MCF/D

Oil: Initial open flow 0 BBL/D

Final open flow \* MCF/D

Final open flow 0 BBL/D

static rock pressure \*

psig (surface pressure) after \* Hours

\* Commingled zones

For: Drilling Appalachian Corp.

By: Kenneth R. Mason

Date: 11-12-98

DEC 14 1998

WET 1769

Stage	Formation	Perfs	Sand	N2
10-22-98	Parks #1			
1	4th Sand	3214-3466 16	350 sks	349,000 scf
2	Big Injun	2424-2450 15	194 sks	238,000 scf

ISIP = 1980#  
5 min = 1908#

1908  
Checked  
1908  
DEC 08 1980

**Drillers Log**

**Electric Log Tops**

Formation	Top	Bottom	Formation	Depth top
fill	0	12	Big Lime	1840
Sh	12	20	Big Injun	1908
Sd	20	45	Berea	2020
Sd Sh	45	790	Gordon	2636
RR	790	860		
Sd Sh	860	1005		
Coal	1005	1016		
Sd Sh	1016	1335		
RR	1335	1495		
Sd/Sh	1495	2270		
Lime	2270	2278		
Sh	2278	2284		
Lime	2284	2360		
Sd	2360	2500		
Sd/Sh	2500	3116		
Sd	3116	3240		
Sh	3240	3692		
Td	3692			

wet 140'  
wet 1964'  
gas ck @ 2455 = odor  
gas ck @ 2466 = 06/10 - 2" w/w  
gas ck @ 3189 = 04/10 - 2" w/w  
gas ck @ Td = 30/10" - 2" w/w