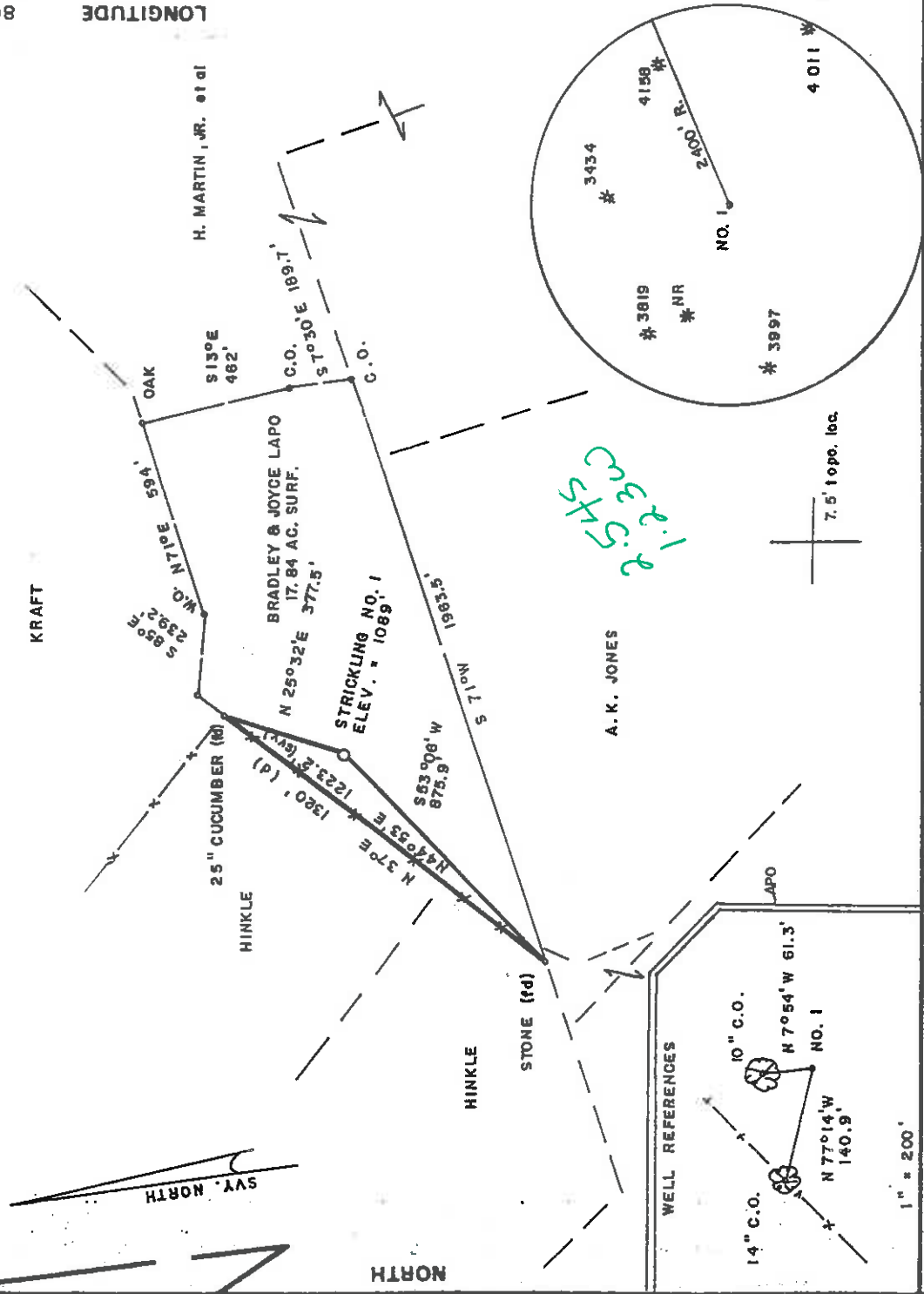


STRICKLING HRS. and FREEMAN HRS. LEASE

17.84 AC.

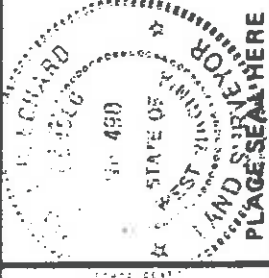
6500' W
LATITUDE 39°22'30"

80°45'00" S
LONGITUDE 13,420' S



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT. OF ROADS
 WEST OF LEASE ELEV. 801'

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*
 MARK C. ECHARD
 (SIGNED) R.P.E. _____ L.L.S. 490



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



DATE DECEMBER 11, 19 97
 OPERATOR'S WELL NO. STRICKLING NO. 1
 API WELL NO. 47-017-04507
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL _____
 (IF "GAS.") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1189' WATER SHED NUTTER FORK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5'
 SURFACE OWNER BRADLEY & JOYCE LAPO ACREAGE 17.84
 OIL & GAS ROYALTY OWNER STRICKLING HRS. et al LEASE ACREAGE 17.84

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

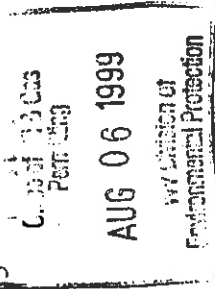
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BENSON ESTIMATED DEPTH 5300'
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ALMA, WV 26320
 ADDRESS P.O. BOX 99 ALMA, WV 26320

6-6-92

MAY 17 1999

Dodd 4507

WR-35



API# 47-017-04507

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

Reviewed

[Signature]

Well Operator's Report of Well Work

Farm Name: Lapo, Bradley Operators Well No.: Strickling #1
Location: Elevation: 1189' Quadrangle: West Union 7.5'
District: West Union County: Doddridge
Latitude: 13420 Feet South of 39 Deg. 22 min. 30sec.
Longitude: 6500 Feet West of 80 Deg. 45 min. 00sec.

Company: D.A.C.
P. O. 99
Alma, WV 26320

Agent: Kenneth Mason					
Inspector: Mike Underwood					
Permit Issued: 05/14/99					
Well Work Commenced: 06/16/99					
Well Work Completed: 06/21/99					
Rotary <input checked="" type="checkbox"/> Cable _____ Rig					
Total Depth (feet) 5347'	11 3/4	150	129	68	
Fresh Water Depths (ft) 300'	8 5/8	1260	1221	306	
Salt Water Depths (ft) 1986'	4 1/2	5347	5296	443	

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

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5174-5180
Gas: Initial open flow 26 MCF/D Oil: Initial open flow 0 BBL/D
Final open flow 291 MCF/D Final open Flow show BBL/D
Static Rock Pressure 1200 psig (surface pressure) after 48 Hours

Second producing formation Warren Pay zone depth (ft) 3550-3688
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: D.A.C.

By:

Kenneth R. Mason

Date: 07-26-99

Dodd 4507

AUG 23 1999

Stage	Formation	Perfs	Sand	N2
06-28-99	Strickling #1			
1	Benson	5186-5191 14 holes	300 sks	30# gel
2	Warren	3652-3691 14 holes	150 sks	30# gel

ISIP = 1439#
5 min = 1172#

Office of Oil & Gas
Permitting
AUG 06 1999
NW Division of
Environmental Protection

Drillers Log

Electric Log Tops

Formation	Top	Bottom	Formation	Depth top
Fill	0	10	Big Lime	2121
RR	10	20	Big Injun	2178
Sd/Sh	20	85	Berea	2650
Sd	85	135	Benson	5124
Sh/Sh	135	280		
Sd	280	330	1" h2o @ 300'	
Sd/Sh	330	2080		
LL	2080	2106		
Sh	2106	2118		
BL	2118	2178		
Sd	2178	2282		
Sd/Sh	2282	2820		
Sd	2820	2838	gas ck @ 2961 = 04/10 in 1" w/w	
Sd/Sh	2838	5347	gas ck @ 5217 = 06/10 in 1" w/w	
TD	5347			

Stratigraphy duplicates 17-4506