

Exhibit A

LATITUDE 39-35-00 N

page 10c

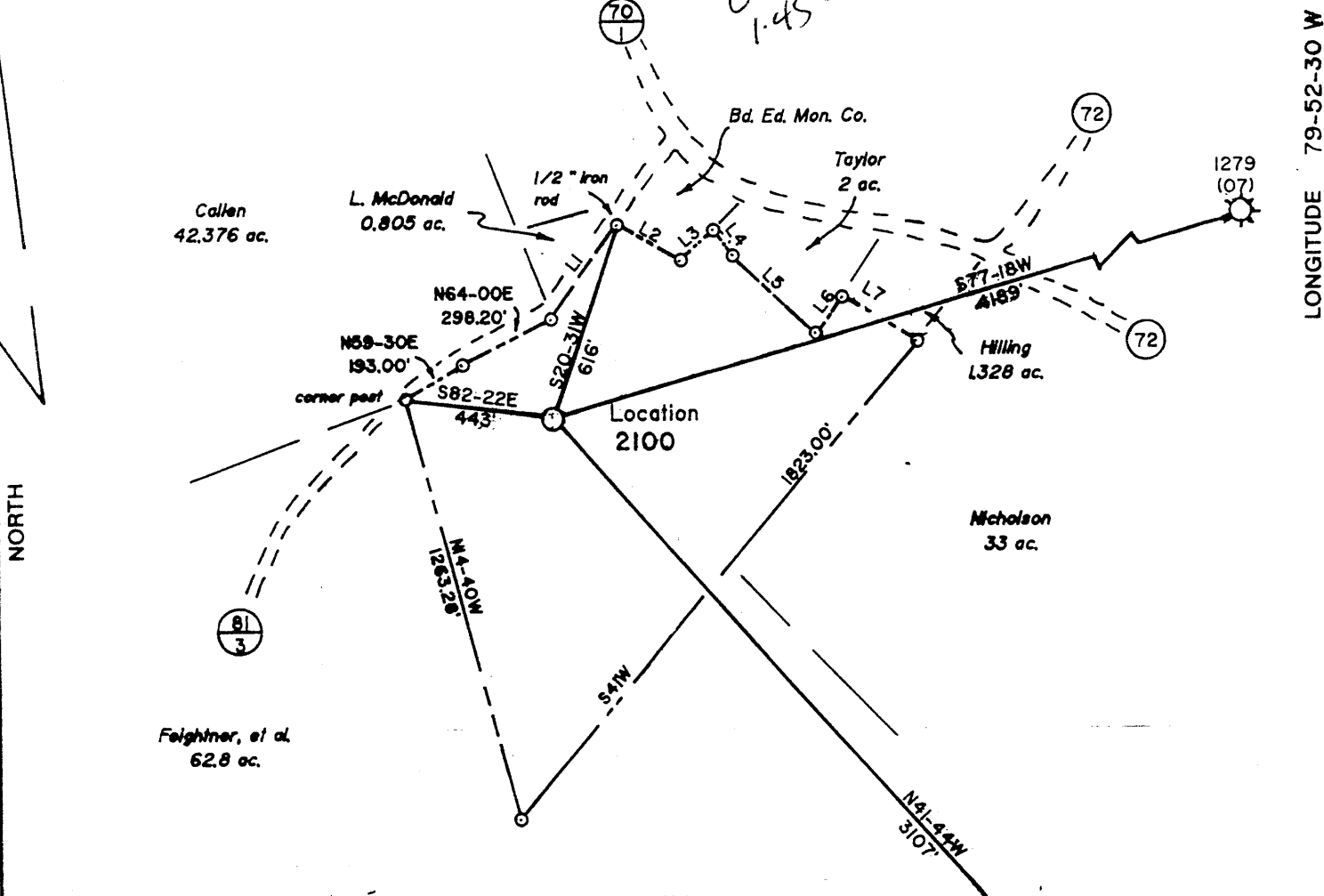
NOTE: Location is at least 400' from all outside lease lines.

BOOK 1163 PAGE 394

All wells within 2400' shown on plat.

7 1/2'

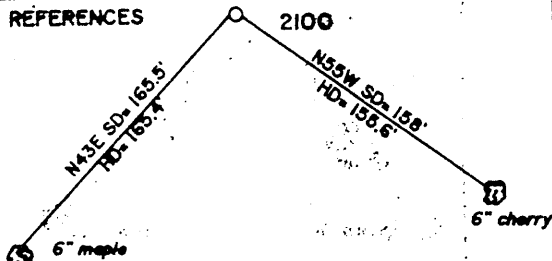
0.325
1.45 W



Line Table

L1	N36-15E	339.00'
L2	S59-00E	220.90'
L3	N47-00E	134.50'
L4	S35-30E	97.93'
L5	S46-45E	323.20'
L6	N37-00E	135.50'
L7	S59-00E	256.50'

REFERENCES

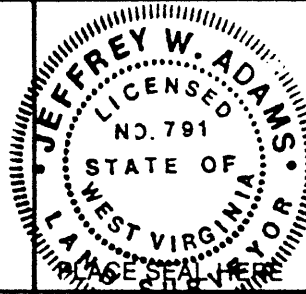


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 10
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road Int. 800' North of Location: elev. 1594'

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) Jeffrey W. Adams
 R.P.E. _____ L.L.S. 791



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



DATE November 11, 1997
 OPERATOR'S WELL NO. 2100
 API WELL NO. _____

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

LOCATION: ELEVATION 1562' WATERSHED Aaron Creek
 DISTRICT Morgan COUNTY Monongalia
 QUADRANGLE Morgantown South

SURFACE OWNER Rolfe M. McDonald, et ux ACREAGE 29.04 ac.
 OIL & GAS ROYALTY OWNER Rolfe M. McDonald, et ux LEASE ACREAGE 30 ac.
 LEASE NO. 5241

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

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Oriskany ESTIMATED DEPTH 8200'

WELL OPERATOR Alamco Inc. DESIGNATED AGENT R. Mark Hackett
 ADDRESS Rt. 1 Box 107-10, Buckhannon, WV 26201 ADDRESS Rt. 1 Box 107-10, Buckhannon, WV 26201

DEEP WELL

JUN 22 1998

COUNTY NAME MONO
 PERMIT 1313

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

Well Operator's Report of Well Work

Farm name: McDONALD, ROLFE M Operator Well No.: 2100

LOCATION: Elevation: 1,562.00 Quadrangle: MORGANTOWN SOUTH

District: MORGAN County: MONONGALIA
Latitude: 3675 Feet South of 39 Deg. 35Min. 0 Sec.
Longitude 7700 Feet West of 79 Deg. 52 Min. 30 Sec.

Company: ALAMCO, INC.
RR 1, BOX 107-10
BUCKHANNON, WV 26201-0000

Agent: MARK HACKETT

Inspector: RANDAL MICK
Permit Issued: 06/19/98
Well work Commenced: 07/14/98
Well work Completed: 07/26/98
Verbal Plugging
Permission granted on:
Rotary x Cable _____ Rig
Total Depth (feet) 7655
Fresh water depths (ft) 1460

Salt water depths (ft) _____

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	309	309	150 sxs
8 5/8	2797	2797	500 sxs
4 1/2	7632	7632	160 sxs

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7328-7431
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/
Final open flow 11,000 MCF/d Final open flow 0 Bbl/
Time of open flow between initial and final tests 4 Hour
Static rock Pressure 3225 psig (surface pressure) after 24 Hour

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/
Final open flow _____ MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests _____ Hour
Static rock Pressure _____ psig (surface pressure) after _____ Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE 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.

For: ALAMCO, INC.

By: R. Mark Hackett
Date: 8/26/98

MONO 1313

Formations : 0-705' Drillers Log Book - 705 to TD Gamma Ray Log

Top	Bottom	Type
0	539	SD & SH
539	705	SH
705	720	LITTLE LIME
720	756	SH
756	840	BIG LIME
840	932	KEENER
932	942	SH
942	1028	BIG INJUN
1028	1074	SH
1074	1116	WEIR
1116	1340	SD & SH
1340	1398	GANTZ/ 50'
1398	1648	SD & SH
1648	1658	GORDON
1658	1888	SD & SH
1888	1896	4TH SAND
1896	2042	SH
2042	2054	5TH SAND
2054	2672	SD & SH
2672	2692	SPEECHLEY
2692	2884	SH
2884	2890	BALLTOWN
2890	6910	SH
6910	6988	TULLY
6988	7206	SH
7206	7308	MARCELLUS
7308	7324	ONONDAGA
7324	7455	HNTRSVL CHRT
7455	7508	NEEDMORE
7508	7608	ORISKANY
7608	7655	HELDERBERG
	(TD)	

Water, Coal, Gas

Water:

1460' Damp

Coal:

none

Gas:

All checks no show

Perforations: 08/05/98

1st Stage: Huntersville Chert
(7328-7431') 27 Holes
15,000# 80/100, 60,000# 20/40
w/30# gel & 5% HCL solution
throughout the job.