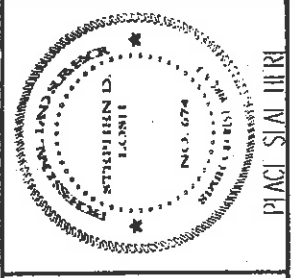
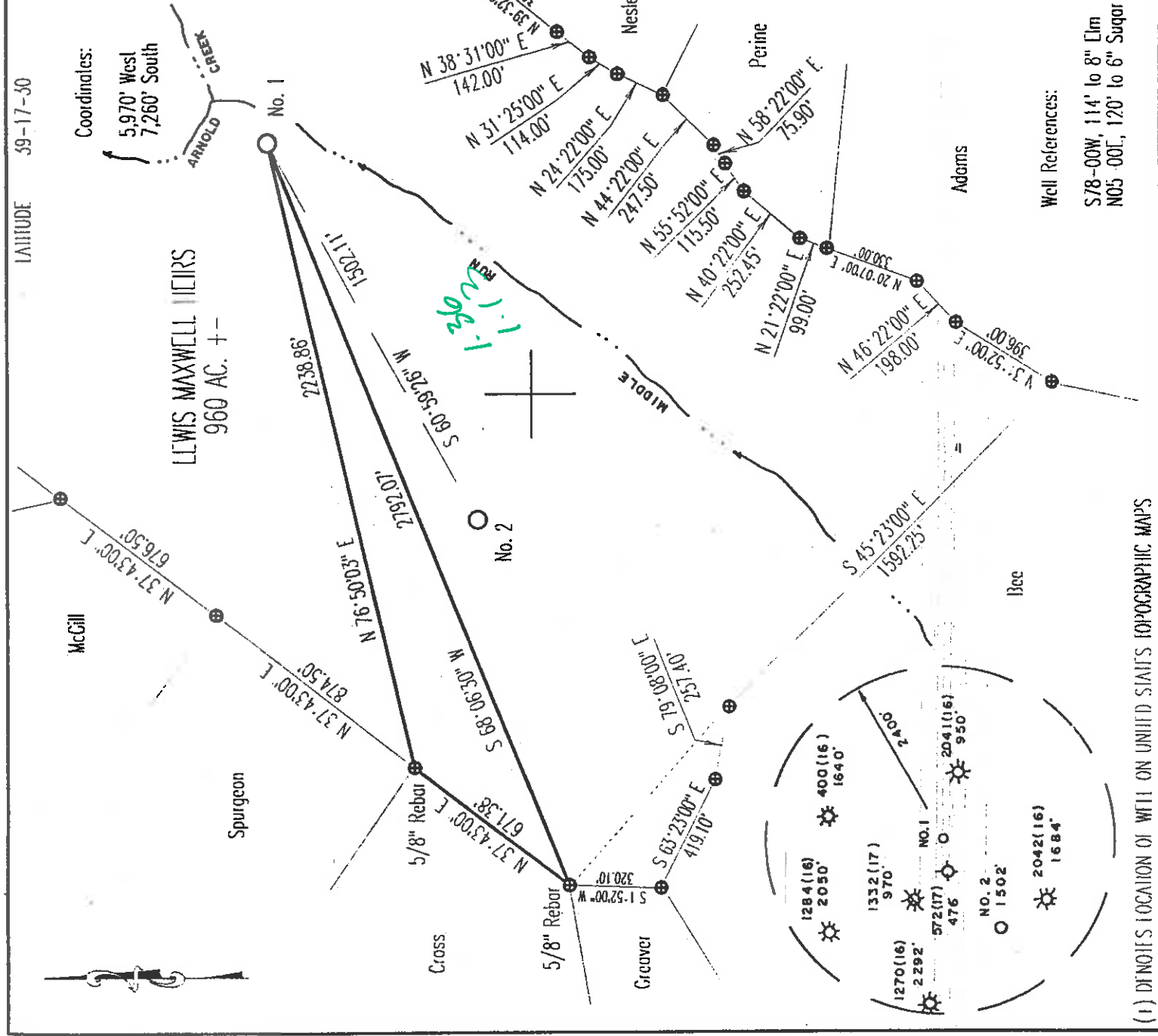


59-17-30
 80-47-30
 LONGITUDE



PLACI SIAI IIII
 SHIPIN D. LOSIL, P.S. #674
 DATE: April 28, 1998
 OPERATORS WELL NO.: Lewis Maxwell #1
 API WELL NO. 47-017-01760
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DIPP SIMLOW
 LOCATION: ELEVATION 840' WATERHEAD _____ COUNTY _____
 DISTRICT _____ West Union
 QUADRANGLE _____ West Union
 SURFACE OWNER Eleanor M. Meyer and Virginia I. Maxwell
 OIL & GAS ROYALTY OWNER Lewis Maxwell Heirs

PROPOSED WORK: DRILL CONVERT DRILL DILPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERMIT NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION _____ Alexander
 ESTIMATED DEPTH 5,300'

WELL OPERATOR Dominion Appalachian Development
 ADDRESS P. O. Box 1248 Jane Lew, WV 26578
 DISIGNAID AGENT John Haskins
 P. O. Box 1248 Jane Lew, WV 26578

COUNTY NAME
 LAST NUMBER 1497
 ACRAGE 549.75
 LAST ACRAGE 960

PERMIT
 DATE: April 28, 1998
 OPERATORS WELL NO.: Lewis Maxwell #1
 API WELL NO. 47-017-01760
 STATE COUNTY PERMIT

(1) DEFINES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WELL NUMBER: _____
 DRAWING NUMBER: _____
 SCALE: 1" = 500'
 MINIMUM DISTANCE OF ACCURACY: 1 in 200
 PROVIN SOURCE: 1:151, well #572P
 OF ELEVATION: 880'
 Elevation: 880'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 710 McJUNKIN ROAD
 NIRO, WV 25143-2506

WELL REFERENCES:
 S78-00W, 114' to 8" Elm
 N05-00E, 120' to 6" Sugar

Dodd 4460

6-6-133

WR-35

14-Aug-98
API # 47- 17-04460

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

Well Operator's Report of Well Work

Farm name: MEYER, ELEANOR M Operator Well No.: L. MAXWELL #1

LOCATION: Elevation: 840.00 Quadrangle: WEST UNION
District: WEST UNION County: DODDRIDGE
Latitude: 7260 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 5970 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: DOMINION APPALACHIAN DEVE
P. O. BOX 1248
JANE LEW, WV 26378-0000

Agent: JOHN T. HASKINS

Inspector: MIKE UNDERWOOD
Permit Issued: 08/17/98
Well work Commenced: 12/04/98
Well work Completed: 12/22/98
Verbal Plugging
Permission granted on: Rig
Rotary X Cable
Total Depth (feet) 5352'
Fresh water depths (ft) 18'
1600'
Salt water depths (ft) 1600'
Is coal being mined in area (Y/N)? N
Coal Depths (ft): None recorded

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	128	128'	65 sks
8 5/8	1021	1021	240 sks
4 1/2	5240'	5240'	550 sks

RECEIVED
Office of Oil & Gas
Permitting
JAN 27 1999

WV Division of Environmental Protection

OPEN FLOW DATA

Alexander 5015-5076
Producing formation Benson & Bradford Pay zone depth (ft) 3922-4762'
Gas: Initial open flow Trace MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1,565 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1570 psig (surface pressure) after 72 Hours
Balltown 3542-3722
Second producing formation Warren Pay zone depth (ft) 3122-3203
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

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.

Larry J. Cavallo

For: DOMINION APPALACHIAN DEVELOPMENT, INC.

By: Larry J. Cavallo; Manager of Engineering
Date: 1/25/99

FEB 08 1999

4 STAGE(S) 60 Q Foam FRAC HOLES DATE 12/16/99

ZONES	PERFS	HOLES	BBL	BP	ISIP
Alexander	5015-5076	18	188 (fluid)	2217	1406
Benson & Bradford	3922-4762	16	140 (fluid)	1523	1357
Balltown	3542-3722	14	151 (fluid)	1533	1455
Warren	3122-3202	14	143 (fluid)	1330	1475

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
KB - GL	Brown	Soft	0	10	
FILL	Gray	Soft	10	15	
SHALE	Gray	Hard	15	27	
SAND	Gray	Soft	27	35	
SAND & SHALE	Gray	Hard	35	50	
SAND	Gray	Soft	50	150	
SAND & SHALE	Red	Soft	150	205	
SHALE & RR	Red	Soft	205	244	
SAND & SHALE	Gray	Soft	244	265	
SHALE & RR	Red	Soft	265	305	
SAND & SHALE	Gray	Soft	305	367	
SAND	White	Hard	367	390	
SAND & SHALE	White	Med	390	451	
SAND	White	Hard	451	460	
SAND & SHALE	White	Hard	460	468	
SAND	Gray	Soft	468	480	
SAND & SHALE	Gray/Red	Soft	480	530	
SHALE & RR	White	Hard	530	720	
SAND	Gray/Red	Soft	720	790	
SHALE & RR	Gray/Red	Soft	790	855	
SHALE	Gray	Soft	855	895	
SAND & SHALE	Gray	Med	895	950	
SHALE	Gray	Soft	950	1054	
SAND & SHALE	Gray	Med	1054	1220	
SAND & SHALE	White	Hard	1220	1259	
SAND	White	Soft	1259	1600	
SAND & SHALE	Gray	Hard	1600	1658	
SAND	Gray	Soft	1658	1712	
SAHLE	Gray	Soft	1712	1756	
LITTLE LIME	Lt Gray	med	1756	1834	
B LIME	Tan	hard	1834	1890	
B INJUN	Gray	Hard	1890	2472	
SAND & SHALE	Gray	Soft	2472	2530	
GORDON	Lt Gray	Soft	2530	3136	
SAND & SHALE	Gray	Soft	3136	3140	
SAND & SHALE	Gray	med	3140	3175	
WARREN	Gray	Hard	3175	3301	
SAND & SHALE	Gray	Soft	3301	3772	
BALLTOWN	Gray	med	3772	3952	
SAND & SHALE	Gray	Soft	3952	4404	
BRADFORD	Lt Gray	Soft	4404	4562	
SAND & SHALE	Gray	Soft	4562	4718	
RILEY	Lt Brown	Soft	4718	4764	
SAND & SHALE	Gray	Soft	4764	4804	
BENSON	Brown	Med	4804	5020	
SAND & SHALE	gray	Soft	5020	5090	
ALEXANDER	Brown	Soft	5090	5352	
SAND & SHALE	Gray	Soft	5352		
TD					