

Coded By 02/98
Checked By 9/27/21
Entered By 2/98
Date 7/98
U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 57
County CHOCTAW
Agency CHOCTAW

Well No. D42
Reform Quad

WELL RECORD

Agency Code U S G S		Site Id 133223190811251011				Project No. 51			
Station Name 12 DO421 CHOCTAW GEN INC						Latitude 9332238		Longitude 10018114251	
Lat/Long Ac. 11 SFTH		Dist 6=28	State 7=28	County 8=0119		Land Net 13 NESIESIST118N R1 P E2			
Location Map 14 REFORM			Altitude 16=584		Met/Meas 17 A L M	Accuracy 18=15	Hydrologic Unit 20=0801602011		
Agency Use 803 A I O		Date Inventoried 711			Station Type 4		Data Type 804		
Instru. 905	Remarks 806				Relia. 3 C L M U		2 W X		
Date of Construction 21=02/22/1998		Well Use 23=W	Water Use 24=N	Primary Aquifer 714=211MSSM1		Hole Depth 27=1073			
Well Depth 28=3185	Water Level 30=21514		Water Level Date 31=05/05/1998		Method 34=1	Status 37=1	Source 33=D		

CONSTRUCTION DATA

R=58	T=A	723#1	Construction Date 60=05/05/1998		Contractor 63=184	Name Griner	Method 65=H	Finish 66=D
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CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	77# 10	78# 800	79# 11	725#3* 59#1* 77# 2620.* 78=2830.* 79# 10.* (over)		
R=76	T=A	725#2	59#1	77# 800	78# 2620	79# 13			

CONSTRUCTION OPENINGS DATA

R=82	T=A	726#1	59#1	83# 2830	84# 2930	87# 10	85# S	89#	88# 1030
R=82	T=A	726#2	59#1	83# 2960	84# 3100	87# 11	85# S	89#	88# 1030

CONSTRUCTION LIFT DATA

R=42	T=A	254#1	Lift Type 43#	Date 38#		Intake 44#	720#3* 59#1* 83# 3020.* 84=3170.* 87=10.* 85=S* 88=.030*		
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Power 45#	H.P. 46#	Serial No. 49#
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Choctaw County Economic Development District

MISCELLANEOUS OWNER DATA

R=158	T=A	718#1	Date of Ownership 159# 05/05/1998		Owner Name 161 CHOCTAW GENERATION INC				
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MISCELLANEOUS OTHER ID DATA

R=189	T=A	736#1	E-Log No. 190=057	Assigner 191# M I S S I D I S T					
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MISCELLANEOUS QM DATA

R=192	T=A	738#1	Date of Measurement	Aquifer Sampled	Temp	Value
1934	1954	196#00010	1974			
R=192	T=A	738#2	Date of Measurement	Aquifer Sampled	Sp Cond	Value
1934	1954	196#00095	1974			
R=192	T=A	738#3	Date of Measurement	Aquifer Sampled	pH	Value
1934	1954	196#00400	1974			

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type	Seq. Depth	End Depth
1994	2004	442	2014	410	73
R=198	T=A	739#1	Log Type	Seq. Depth	End Depth
1994	2004		2014		

MISCELLANEOUS NETWORK DATA $T_{06} = QW \quad WL \quad WD \quad *$

R=114	T=A	730#1	Req. Year	End Year	Agency Source	Freq.
1154	1164	120=A	1174	1184		
R=121	T=A	730#2	Req. Year	End Year	Agency Source	Freq.
1154	1164	1174	1184			

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks	Remarks
1844	1854			

DISCHARGE DATA

R=146	T=A	Pump/Flow	147#1	Date	Type	Discharge	So. Capacity
				1484	703 P F	1504	2724

GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top	Depth Bot.	Unit Id
914	924	934	2186	3277	211 MISS SV

HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested
1004	1034		

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Surface casing	0	43
Clay with lignite & sand streaks	43	304
Sand	304	574
Clay with sand streaks	574	1834
Sand with clay streaks	1834	2458
Sand	2458	3283
Clay	3283	3407
Clay	3407	3604
Sand and rock	3604	3728
Clay	3728	4109

tested

1700 - 3200 gpm

77.6 dd = 2513 gpm (3 hrs)

725#4 *

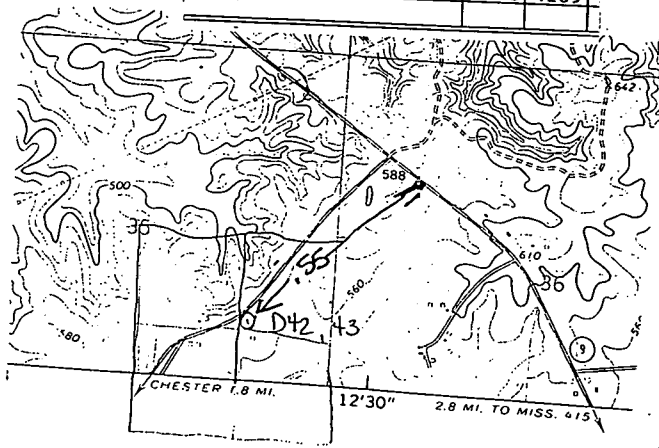
59#1 * 77# 2930 * 78 = 2960 *

79# 10 *

725#5 * 59#1 * 77# 3010 *

78 = 3020 *

79# 10 *



MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
Bureau of Land and Water Resources

P.O. Box 10631
Jackson, Mississippi 39209
WATER WELL DRILLERS LOG

COUNTY WELL LOCATED Choctaw		PERMIT NUMBER
WELL NUMBER 2 B42	CODED <input checked="" type="checkbox"/>	NAME OF DRILLING FIRM Griner Drilling Service, Inc.
DATE WELL COMPLETED 06-03-98		

NAME & MAILING ADDRESS OF LANDOWNER Choctaw Generation, Inc.		
P.O. Box 250		
Ackerman, MS 39735		
WELL LOCATION: SEC	TOWNSHIP	RANGE
35	18 N	10 E
DISTANCE	DIRECTION	NEAREST TOWN
3 Miles	North	of Ackerman
OTHER LANDMARK		
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. Industrial		

PUMP DATA		
PUMP TYPE (Circle One): Submersible, Turbine, Jet, Flowing Well, Other (Describe) none		
POWER TYPE (Circle One): Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe)		
Pump Capacity (GPM)	No. of Stages	Setting Depth FT.
PUMP TEST		
Well yielded 3110 GPM with a drawdown of 109.28 ft. after 2 hours of pumping		

WELL DATA		
Well Depth 3185	Casing Diameter (In.) 16"-13 3/8"	Casing Length (Ft.) 2820
Type of Casing steel	Hole Depth 4109	Depth to Static Water Level 416.50'
TYPE OF COMPLETION: (Circle One or More): Gravel Packed, Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe)		
Top of Lap Pipe or Reduction in Casing 2620 FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE		

LOG DATA	
TYPE OF LOG RUN (Circle One): Electric, Gamma Ray, Density, Sonic, Neutron, Other (Describe)	
Name of Organization Running Log Schlumberger	

SCREEN DATA		
Diameter - Inches 9 5/8	Length - Feet 300'	Slot Size - Inches 0.030
Screen Type pipe base		Depth to Bottom - Feet 3170

GEOLOGIC DATA (Office Use Only)			
Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test
Driller's Remarks Well drawing attached			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Surface casing	0	43			
Clay with lignite & sand streaks	43	304			
Sand	304	574			
Clay with sand streaks	574	1834			
Sand with clay streaks	1834	2458			
Sand	2458	3283			
Clay	3283	3407			
Clay	3407	3604			
Sand and rock	3604	3728			
Clay	3728	4109			

IF MORE SPACE IS NEEDED, USE BACK

If well telescopes please sketch and show depths.

GROUND LEVEL

SECTION _____

Please indicate well location X.

ADDITIONAL INFORMATION

If more than one screen,
show location of each on sketch.

Choctaw Generation, Inc.
Well No. 2
D42

750' 1 1/4"

800' 16" casing

16 x 13 3/8 swedge

2020' 13 3/8"

2620' top of 9 5/8" lap

2820' casing cemented in place

7-13-2008 9:21 ACVD

9 5/8" screen from 2830 to 2930

22" underream from
2820 to 3180
10-20 SFM gravel
0.030" slot pipe base
screen

9 5/8 blank 2930 to
2960

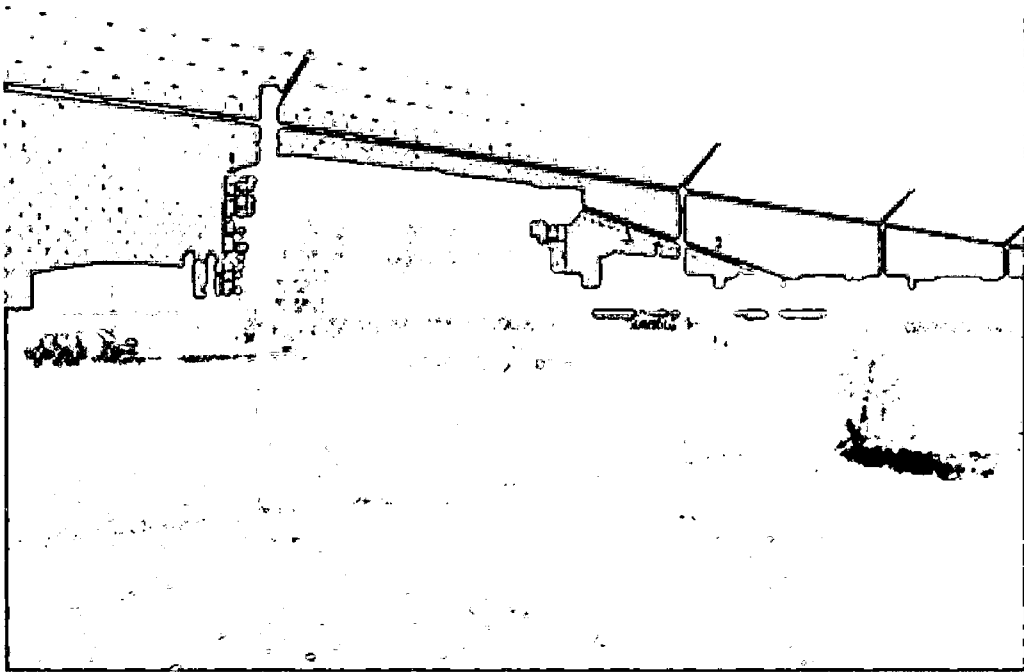
9 5/8 screen from 2960 to 3010

9 5/8 blank 3010 to
3020

9 5/8 screen from 3020 to 3170

9 5/8 stringer and backwash valve 3170 to 3185

D0042-019. 8/18/2003



8/18/03

CE/DH

E2001 - CHOLTAW Co.

~40' S OF WELL (@ GATE)

33.37779

89.18918

D? East (Near Hwy 9)

(DEEP WELL #3)

~20' SW

PIC 643

33.38286

89.21000

D42 DEEP WELL #2

~30' W

33.37696

89.21420

PIC 644

645

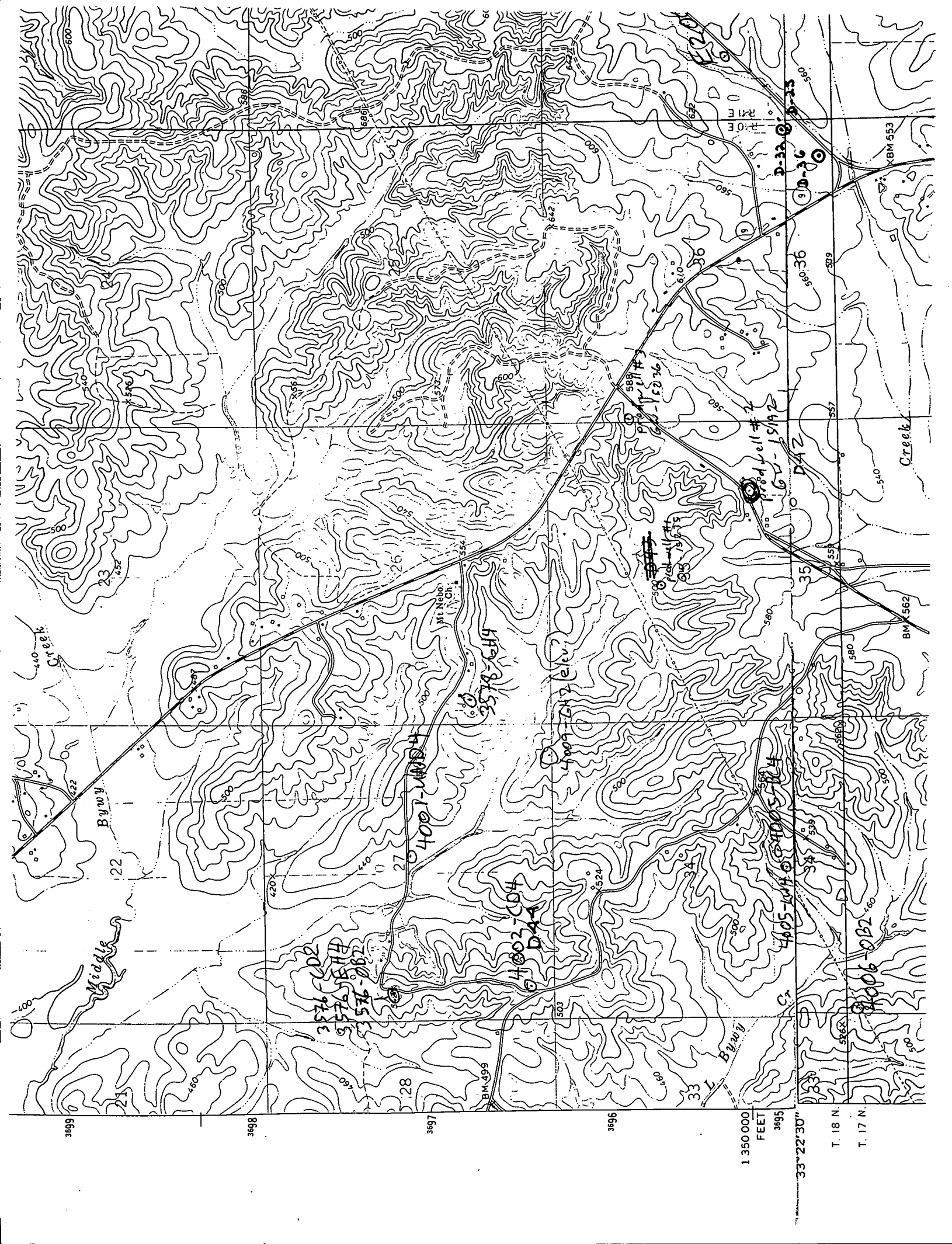
NEW WELL (Layne)

PIC 646

33.37353

89.21867

ON WELL



3576-002
3576-004
3576-006

4001-004
D4A

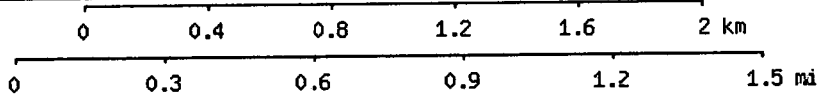
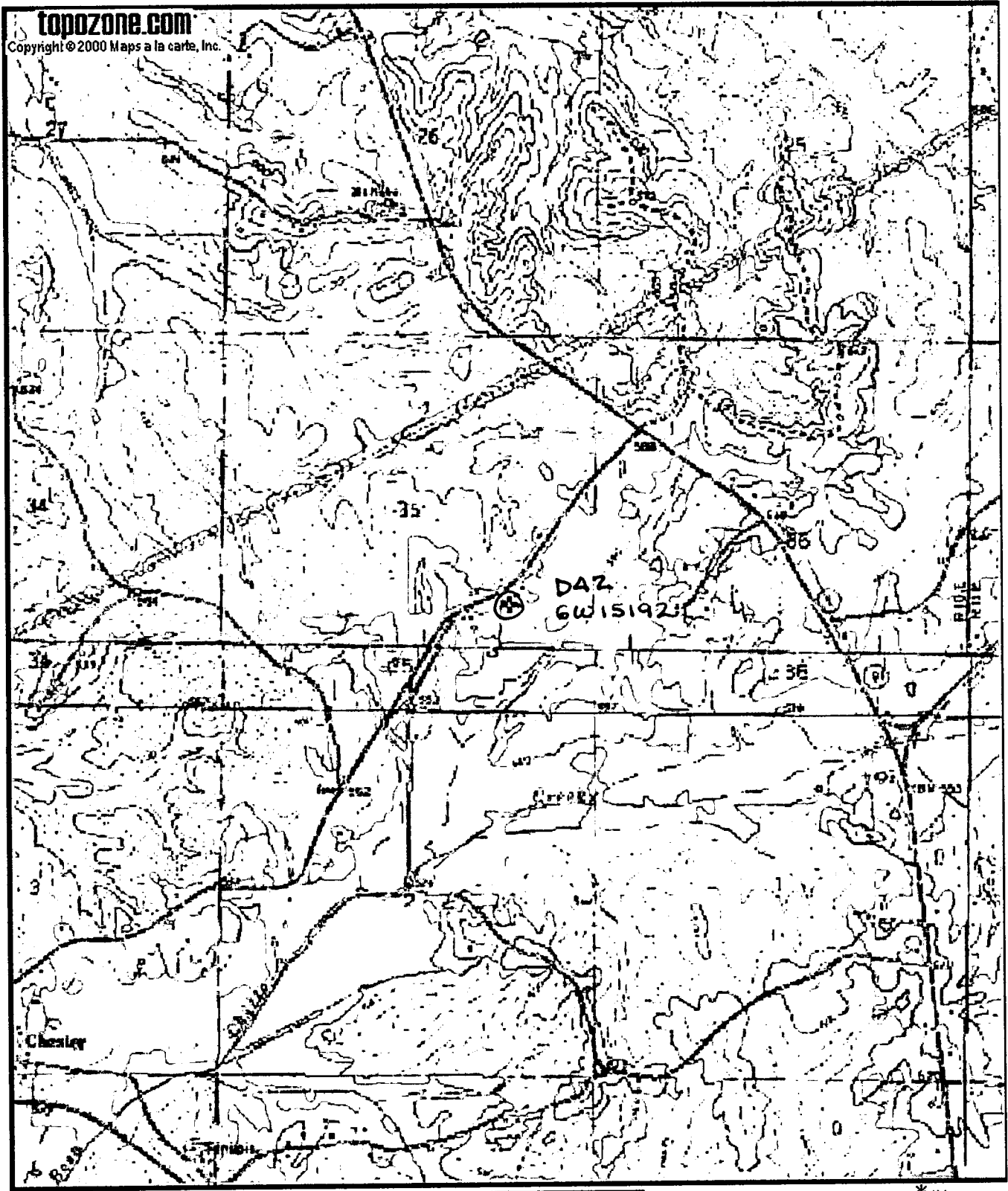
4002-004
D4B

4005-004
D4C

4006-002
D4D

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FEET
3695
33°22'30"
T. 18 N.
T. 17 N.



Map center is 33° 22' 37"N, 89° 12' 51"W (NAD27)
Reform quadrangle
 Projection is UTM Zone 16 NAD83 Datum

MN
GN

MN=0.963
GN=1.219