

Jo

Coded By 0 9/90  
Checked By \_\_\_\_\_  
Entered By \_\_\_\_\_  
Date \_\_\_\_\_

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. 175  
County MONROE  
Agency \_\_\_\_\_

Well No. L102  
Permit # 12456

51 WELL RECORD

Well 41.0  
Cw 7.8  
TP 2.5  
wf 30.70  
10-21-91

Agency Code UISGIS Site 48 2 Project No. \_\_\_\_\_  
 Station Name L102 MISTA POLYMERS Latitude 9-33N 18 53 W Longitude 10-40 18 33 53 W  
 Lat/Long Ac. 11 S T M Disc 6=28 State 7=28 County 8=09 15 Land Net NW  
 Location Map 14= ABERDEEN Altitude 218 Met/Meas 17= A L N Accuracy 18= 1 5 Hydrologic Unit 20= 031161011011

11SD

Agency Use 803= A I D Date Inventoried \_\_\_\_\_ Station Type \_\_\_\_\_ Data Type \_\_\_\_\_  
 Instru. 805= Remarks \_\_\_\_\_ Relia. 3= C L M U 2= W X

Date of Construction 21= 06 / 11 3 / 1990 Well Use 23= W Water Use 24= N Primary Aquifer 714= 211 ROKI Hole Depth 27= 855  
 Well Depth 28= 830 Water Level 30= 311 Water Level Date 31= 02 / 10 5 / 1991 Method 34= 1 Status 37= 1 Source 33= D

CONSTRUCTION DATA  
 Construction Date 60= 07 / 11 3 / 1990 Contractor 63= B I G Name Jayne Method 65= H Finish 66= G

CONSTRUCTION CASING DATA  
 Top/Casing Bot/Casing Diameter  
R=76 T=A 725#1 59#1 77= 1101 78= 1746 79= 2101  
R=76 T=A 725#2 59#1 77= 1100 78= 1750 79= 112

CONSTRUCTION OPENINGS DATA  
 Top/Depth Bot/Depth Diameter Type Length Width  
R=82 T=A 726#1 59#1 83= 1750 84= 1830 87= 112 85= S 89= 88= 1040  
R=82 T=A 726#2 59#1 83= 84= 87= 85= 89= 88=

CONSTRUCTION LIFT DATA  
 Power 45= E H.P. 46= 150 Serial No. 49=  
 Lift Type 43= T Date 38= 07 / 11 3 / 1990 Intake 44= 1100

MISCELLANEOUS OWNER DATA  
 Date of Ownership 159= 07 / 11 3 / 1990 Owner Name 161= MISTA POLYMERS

MISCELLANEOUS OTHER ID DATA  
 E-Log No. 190= 175 Assigner 191= M I S S I D I S T

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934     /     /           *	Aquifer Sampled 195#                   *	Temp 196#00010	Value 197#           *
R=192	T=A	738#2	Date of Measurement 1934     /     /           *	Aquifer Sampled 195#                   *	So' Cond 196#00095	Value 197#           *
R=192	T=A	738#3	Date of Measurement 1934     /     /           *	Aquifer Sampled 195#                   *	pH 196#00400	Value 197#           *

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#E *	Beg. Depth 200#     201#   *	End Depth 201#     839#   *
R=198	T=A	739#2	Log Type 199#D *	Beg. Depth 200#     01#   *	End Depth 201#     855#   *

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Beg. Year 115#     9     *	End Year 116#     9     *	Agency Source 120=A*     117#           *	Freq. 118#     *
R=121	T=A	730#2	Beg. Year 115#     9     *	End Year 116#     9     *	Agency Source 117#           *	Freq. 118#     *

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184# 017     113     1990   *	Remarks 185# MS-GW-12456 *
-------	-----	-------	--	-------------------------------

DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148# 017     113     1990   *	Type 703#(P) *	Discharge 150#     1500           *	So. Capacity 272#           *
-------	-----	--------------------	---------------------------------------	-------------------	--	----------------------------------

GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91#     150           *	Depth Bot. 92#     825           *	Unit Id 93# Z111K01K1 *	304=P
------	-----	-------	--------------------------------------	---------------------------------------	----------------------------	-------

HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100#                   *	103#     *
------	-----	-------	---	------------

Deep Well #1 well outside plant on Hill n. east side

730-91  
Hold 48  
Cat 6.83  
MB 2.5'  
WL 30.67

TOTAL DEPTH	EACH STRATUM	FORMATION
0-10	10	Red clay
10-45	35	Blue clay
55-57	2	Rock
57-195	138	Fine sand with clay stks.
195-226	31	sand with hard shale stks.
226-366	140	hard shale with sand stks.
366-396	30	Fine sand with clay stks.
396-448	52	Hard clay with sand stks.
448-508	60	Sand with clay stks.
508-576	68	Coarse sand and gravel
576-623	47	Red clay
623-642	19	Gravel and clay stks.
642-735	93	Clay
735-743	8	Clay and gravel stks.
743-833	90	Coarse sand and gravel
833-835	2	Rock
835-855	20	Clay

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES  
Bureau of Land and Water Resources

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

22-4527  
COUNTY WELL LOCATED  
Monroe  
WELL NUMBER 42 CODED L102 PERMIT NUMBER 12456  
NAME OF DRILLING FIRM  
Layne - Central Co  
DATE WELL COMPLETED 7-13-9 (perm set) 3/91  
Cleveland, MS

NAME & MAILING ADDRESS OF LANDOWNER  
VISTA Polymers  
P.O. Box 91  
Aberdeen, MS 39730  
WELL LOCATION: SEC 34 TOWNSHIP 14 N RANGE 7 E  
DISTANCE \_\_\_\_\_ MILES \_\_\_\_\_ of Aberdeen  
DIRECTION \_\_\_\_\_ NEAREST TOWN \_\_\_\_\_  
OTHER LANDMARK No. Well - outside PLANT on HILL  
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.

PUMP DATA  
PUMP TYPE (Circle One): Submersible, Turbine, Jet, Flowing Well, Other (Describe) \_\_\_\_\_  
POWER TYPE (Circle One): Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe) \_\_\_\_\_ H/P 50  
Pump Capacity (GPM) 1500 No. of Stages 1 Setting Depth 10 FT.  
PUMP TEST  
Well yielded 1500 GPM with a drawdown of 2 ft. after 12 hours of pumping

WELL DATA  
Well Depth 834' Casing Diameter (In.) 20 Casing Length (Ft.) 746  
Type of Casing Steel Hole Depth 855' Depth to Static Water Level 30' 10"  
TYPE OF COMPLETION: (Circle One or More): Gravel Packed, Underreamed, Telescoped, Natural Development, Open Hole, Other  
Top of Lap Pipe or Reduction in Casing \_\_\_\_\_ FEET IF TELESKOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

LOG DATA  
TYPE OF LOG RUN (Circle One): No Log Run, Electric, Gamma Ray, Density, Sonic, Neutron, Other (Describe) \_\_\_\_\_  
Name of Organization Running Log Layne Geophysical

SCREEN DATA  
Diameter - Inches 12 Length - Feet 80 Slot Size - Inches .040  
Screen Type ST. Steel Depth to Bottom - Feet 4'

GEOLOGIC DATA (Office Use Only)

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test
Driller's Remarks			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
<u>attached</u>					
			<b>RECEIVED</b> APR 05 1991 Dept. of Environmental Quality Bureau of Land & Water Resources		
IF MORE SPACE IS NEEDED, USE BACK					

DRILLED FOR Vista Polymers

ADDRESS Aberdeen, MS

OF SEC. 34 TS 14 S R 7E

CC

TOTAL DEPTH	EACH STRATUM	FORMATION	TOTAL DEPTH	EACH STRATUM
0-10	10	Red clay		
10-45	35	Blue clay		
55-57	2	Rock		
57-195	138	Fine sand with clay stks.		
195-226	31	sand with hard shale stks.		
226-366	140	hard shale with sand stks.		
366-396	30	Fine sand with clay stks.		
396-448	52	Hard clay with sand stks.		
448-508	60	Sand with clay stks.		
508-576	68	Coarse sand and gravel		
576-623	47	Red clay		
623-642	19	Gravel and clay stks.		
642-735	93	Clay		
735-743	8	Clay and gravel stks.		
743-833	90	Coarse sand and gravel		
833-835	2	Rock		
835-855	20	Clay		

C  
S  
I

