

Well Name: CTF-MW2
Project Name: OU 1295 MON. WELLS
NMOSE Well File Code: RG-90065, Point of Diversion: 6
Owner Name: SNL/NM
Date Drilling Started: 8/17/2001
Date Well Dev. Completed: 8/18/2001

Drilling Contractor: WDC INC.
Drilling Method: ARCH, AIR ROTARY
Borehole Depth (FBGS): 190
Casing Depth (FBGS): 135
Geo Location: ~1.5 MILES E. OF TA III
Completion Zone: REGIONAL GROUNDWATER
Completion Formation: PRE-CAMBRIAN GRANITE

Survey Data

Survey Date: 10/4/2001
Surveyed By: ALBQ. SURVEYING CO. (ASC)
 State Plane Coordinates: NAD 83
(X) Easting: 1562050.61
(Y) Northing: 1448244.50

Surveyed Evaluations (FAMSL) NAVD 88

Protective Casing: 5578.92
Top of Inner Well Casing: 5578.60
Concrete Pad: 5575.90
Ground Surface: 5575.6

Calculated Depths and Elevations

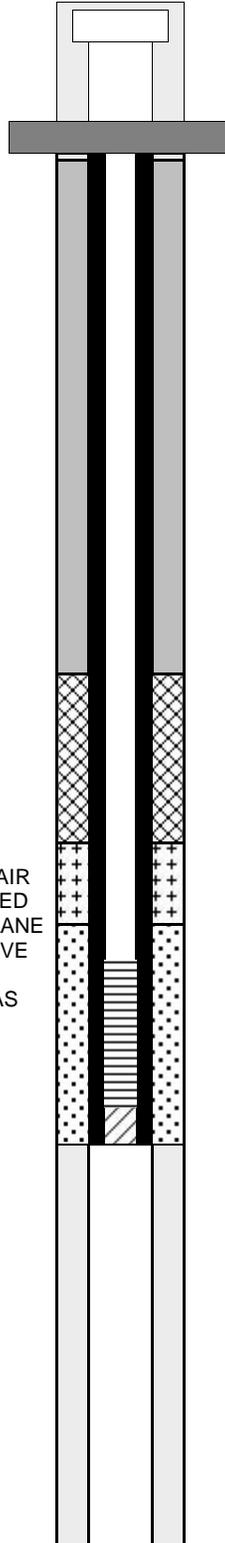
Initial Depth to Water (FBGS): 41.87
Date Intiial Depth Measured:
Last Measured Water Elevation (FAMSL): 5534.78
Date Last Measured: 10/12/2011

Miscellaneous Information

Screen Slot Size (in.): 0.02
Date Updated: 07-SEP-11
Date Printed from EDMS: 1/10/2012 12:13:47 PM

Comments:

0"-110" DRILLED W/ ARCH, 110"-190" DRILLED W/ AIR ROTARY W/ DOWN HOLE HAMMER, HOLE UNCASIED CAVED IN 135"-190". 1/1/11 - ORIGINAL STATE PLANE FEET NAD27/NGVD29 SURVEY COORDINATES HAVE BEEN RE-PROJECTED IN STATE PLANE FEET NAD83/NAVD88 COORDINATES. 9/7/11 - WELL WAS REDEVELOPED ON 9/3/11.



Completion Data Measured Depths (FBGS)

Casing Stickup: 3

Interval	Material	Start	Stop	Length	ID / OD (in.)
<input type="checkbox"/> BOREHOLE		0	190	190	/ 9.625
<input type="checkbox"/> CASING	SCHEDULE 80 PVC	0	135	135	5 / 5.5
<input type="checkbox"/> GROUT/BACKFILL	BENTONITE GROUT	1	71	70	
<input checked="" type="checkbox"/> SEAL	3/8" BENTONITE CHIP	71	94	23	
<input checked="" type="checkbox"/> SECONDARY PACK	#2/12 MONTERREY S	94	105	11	
<input checked="" type="checkbox"/> PRIMARY PACK	#3 MONTERREY SAN	105	135	30	
<input type="checkbox"/> SCREEN	SCHEDULE 80 PVC	110	130	20	
<input checked="" type="checkbox"/> SUMP	SCHEDULE 80 PVC	130	135	5	

Well Name: CTF-MW3
Project Name: OU 1295 MON. WELLS
NMOSE Well File Code: RG-90065, Point of Diversion: 7
Owner Name: SNL/NM
Date Drilling Started: 8/18/2001
Date Well Dev. Completed: 8/21/2001

Drilling Contractor: WDC INC.
Drilling Method: ARCH, AIR ROTARY
Borehole Depth (FBGS): 430
Casing Depth (FBGS): 365
Geo Location: ~4000' E. OF TA III
Completion Zone: REGIONAL GROUNDWATER
Completion Formation: PRE-CAM GRANITE & QUARTZITE

Survey Data

Survey Date: 10/4/2001
Surveyed By: ALBQ. SURVEYING CO. (ASC)
 State Plane Coordinates: NAD 83
(X) Easting: 1559709.04
(Y) Northing: 1446826.68

Surveyed Evaluations (FAMSL) NAVD 88

Protective Casing: 5523.29
Top of Inner Well Casing: 5522.82
Concrete Pad: 5520.15
Ground Surface: 5519.8

Calculated Depths and Elevations

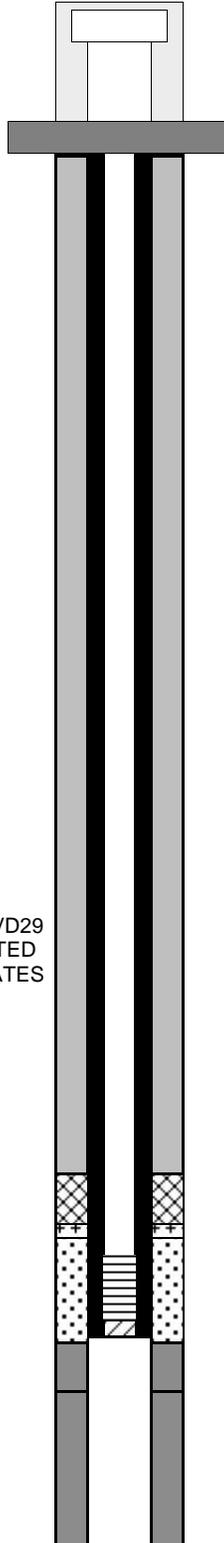
Initial Depth to Water (FBGS): 296.58
Date Intiial Depth Measured:
Last Measured Water Elevation (FAMSL): 5216.01
Date Last Measured: 10/17/2011

Miscellaneous Information

Screen Slot Size (in.): 0.02
Date Updated: 12-APR-2011
Date Printed from EDMS: 11/29/2011 2:58:08 PM

Comments:

0'-29' DRILLED W/ ARCH, 29'-420' DRILLED W/ AIR ROTARY W/ DOWN HOLE HAMMER (UNCASED)
 1/1/11 - ORIGINAL STATE PLANE FEET NAD27/NGVD29 SURVEY COORDINATES HAVE BEEN RE-PROJECTED IN STATE PLANE FEET NAD83/NAVD88 COORDINATES



Completion Data Measured Depths (FBGS)

Casing Stickup: 3.1

Interval	Material	Start	Stop	Length	ID / OD (in.)
<input type="checkbox"/> BOREHOLE		0	430	430	/ 8.5
<input checked="" type="checkbox"/> CASING	SCHEDULE 80 PVC	0	365	365	5 / 5.5
<input type="checkbox"/> GROUT/BACKFILL	BENTONITE GROUT	1	315	314	
<input checked="" type="checkbox"/> SEAL	3/8" BENTONITE CHIP	315	330.5	15.5	
<input checked="" type="checkbox"/> SECONDARY PACK	#2/12 MONTERREY S	330.5	334.5	4	
<input checked="" type="checkbox"/> PRIMARY PACK	#3 MONTERREY SAN	334.5	367	32.5	
<input type="checkbox"/> SCREEN	SCHEDULE 80 PVC	340	360	20	
<input checked="" type="checkbox"/> SUMP	SCHEDULE 80 PVC	360	365	5	
<input type="checkbox"/> PLUGBACK	#2/12 MONTERREY S	367	382	15	
<input type="checkbox"/> PLUGBACK	BENTONITE GROUT	382	430	63	

Well Name: CYN-MW6
Project Name: BURN SITE GROUNDWATER
NMOSE Well File Code: RG-90065, Point of Diversion: 26
Owner Name: SNL/NM
Date Drilling Started: 12/7/2005
Date Well Dev. Completed: 12/9/2005

Drilling Contractor: WTER DEVELOPMENT CORP.
Drilling Method: AIR ROTARY AND ARCH
Borehole Depth (FBGS): 165
Casing Depth (FBGS): 161.69
Geo Location: LURANCE CANYON
Completion Zone: BEDROCK AQUIFER
Completion Formation: PHYLLITE

Survey Data

Survey Date: 8/18/2010
Surveyed By: STEPHEN TOLER
State Plane Coordinates: NAD 83
(X) Easting: 1592563.70
(Y) Northing: 1457170.60

Surveyed Evaluations (FAMSL) NAVD 88

Protective Casing: 6343.74
Top of Inner Well Casing: 6343.37
Concrete Pad: 6340.76
Ground Surface: 6340.5

Calculated Depths and Elevations

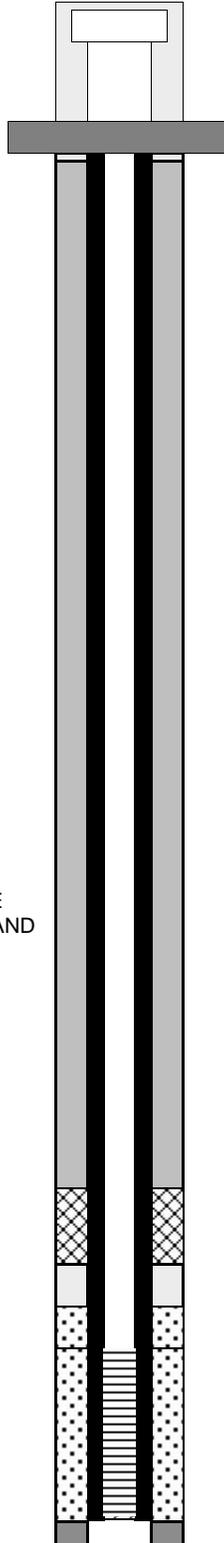
Initial Depth to Water (FBGS): 136.75
Date Intiial Depth Measured:
Last Measured Water Elevation (FAMSL): 6190.44
Date Last Measured: 10/19/2011

Miscellaneous Information

Screen Slot Size (in.): 0.02
Date Updated: 06-APR-2011
Date Printed from EDMS: 11/29/2011 2:59:33 PM

Comments:

NO SUMP INSTALLED IN WELL. NO WATER DETECTED DURING DRILLING. DUST DISCHARGE CHANGE AT 138.5 FBGS. AT 155 FTLET WELL STAND 1 HR., WATER ROSE TO 146 FT. NO WATER OBSERVED DURING DRILLING FROM 155-165 FT.



Completion Data Measured Depths (FBGS)

Casing Stickup: 2.7

Interval	Material	Start	Stop	Length	ID / OD (in.)
<input type="checkbox"/> BOREHOLE		0	165	165	
<input checked="" type="checkbox"/> CASING	SCHEDULE 80 PVC	0	161.7	161.7	/ 5.5
<input type="checkbox"/> GROUT/BACKFILL	BENTONITE GROUT	1	122.6	122.6	
<input checked="" type="checkbox"/> BETNONTONITE CHIP S	HYDRATED BENTONI	122.6	131.5	8.9	
<input checked="" type="checkbox"/> PRIMARY FILTER PACK	10/20 SILICA SAND	136.6	141.5	4.9	
<input checked="" type="checkbox"/> PRIMARY FILTER PACK	10/20 SILICA SAND	141.5	162	20.5	
<input type="checkbox"/> SCREEN	SCHEDULE 80 PVC	141.5	161.3	19.8	/ 5.5
<input checked="" type="checkbox"/> SUMP	SCHEDULE 80 PVC	161.3	161.7	0.4	
<input type="checkbox"/> SLOUGH PLUG BACK		162	165	3.3	

Well Name: TAV-MW11
Project Name: TA-V GROUNDWATER
NMOSE Well File Code: RG-90065, POINT OF DIVERSION: 113
Owner Name: SNL/NM
Date Drilling Started: 11/9/2010
Date Well Dev. Completed: 11/19/2010

Drilling Contractor: WDC EXPLORATION & WELLS
Drilling Method: AIR ROTARY CASING HAMMER
Borehole Depth (FBGS): 542
Casing Depth (FBGS): 537
Geo Location: TECH AREA V ON KAFB
Completion Zone: ALLUVIAL FAN FACIES
Completion Formation: SANTA FE

Survey Data

Survey Date: 3/29/2011
Surveyed By: SURVEYING CONTROL, INC.

State Plane Coordinates: NAD 83

(X) Easting: 1555289.81
(Y) Northing: 1454943.33

Surveyed Evaluations (FAMSL) NAVD 88

Protective Casing: 5440.39
Top of Inner Well Casing: 5440.12
Concrete Pad: 5440.39
Ground Surface:

Calculated Depths and Elevations

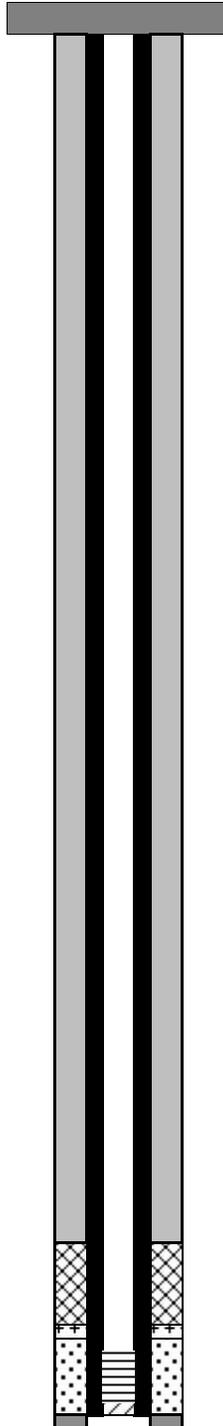
Initial Depth to Water (FBGS): 517.06
Date Intial Depth Measured:
Last Measured Water Elevation (FAMSL): 4922.96
Date Last Measured: 10/20/2011

Miscellaneous Information

Screen Slot Size (in.): 0.01
Date Updated: 09-JUN-11
Date Printed from EDMS: 11/29/2011 3:02:48 PM

Comments:

BOREHOLE DIAMETER IS 11.75 IN. 0 TO 200 FBGS AND 9.625 IN. FROM 200 TO 542 FBGS.



Completion Data Measured Depths (FBGS)

Casing Stickup: -0.3

Interval	Material	Start	Stop	Length	ID / OD (in.)
<input type="checkbox"/> BOREHOLE		0	542	542	
<input checked="" type="checkbox"/> CASING	SCHEDULE 80 PVC	0	537	537	4.75 / 5.5
<input type="checkbox"/> GROUT/BACKFILL	BENTONITE, CONCRE	0	470	470	
<input checked="" type="checkbox"/> SEAL	3/8 IN. BENT. CHIPS	470	502	32	
<input checked="" type="checkbox"/> SECONDARY PACK	#60 SILICA SAND	502	507	5	
<input checked="" type="checkbox"/> PRIMARY PACK	#20-40 SILICA SAND	507	542	35	
<input type="checkbox"/> SCREEN	SCHEDULE 80 PVC	512	532	20	4.75 / 5.5
<input checked="" type="checkbox"/> SUMP		532	537	5	
<input type="checkbox"/> PLUG BACK	#20-40 SILICA SAND	537	542	5	

Well Name: TAV-MW12
Project Name: TAV-V GROUNDWATER
NMOSE Well File Code: RG-90065, POINT OF DIVERSION: 114
Owner Name: SNL/NM
Date Drilling Started: 11/3/2010
Date Well Dev. Completed: 11/16/2010

Drilling Contractor: WDC EXPLORATION & WELLS
Drilling Method: AIR ROTARY CASING HAMMER
Borehole Depth (FBGS): 537
Casing Depth (FBGS): 532
Geo Location: TECH AREA V ON KAFB
Completion Zone: ALLUVIAL FAN FACIES
Completion Formation: SANTA FE

Survey Data

Survey Date: 3/29/2011
Surveyed By: SURVEYING CONTROL, INC.
 State Plane Coordinates: NAD 83
(X) Easting: 1554808.97
(Y) Northing: 1454429.88

Surveyed Evaluations (FAMSL) NAVD 88

Protective Casing: 5436.06
Top of Inner Well Casing: 5435.72
Concrete Pad: 5433.14
Ground Surface: 5432.9

Calculated Depths and Elevations

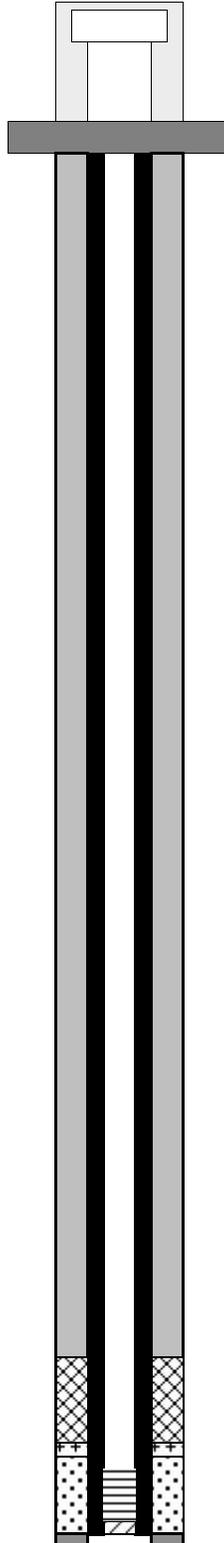
Initial Depth to Water (FBGS): 510.22
Date Intiial Depth Measured:
Last Measured Water Elevation (FAMSL): 4922.22
Date Last Measured: 10/20/2011

Miscellaneous Information

Screen Slot Size (in.): 0.01
Date Updated: 09-JUN-11
Date Printed from EDMS: 11/29/2011 3:03:56 PM

Comments:

BOREHOLE DIAMETER IS 11.75 IN. 0 TO 220 FBGS AND 9.625 IN. FROM 220 TO 537 FBGS.



Completion Data Measured Depths (FBGS)

Casing Stickup: 2.8

Interval	Material	Start	Stop	Length	ID / OD (in.)
<input type="checkbox"/> BOREHOLE		0	537	537	
<input checked="" type="checkbox"/> CASING	SCHEDULE 80 PVC	0	532	532	4.75 / 5.5
<input type="checkbox"/> GROUT/BACKFILL	BENTONITE, CONCRE	0	464	464	
<input checked="" type="checkbox"/> SEAL	3/8 IN BENT. CHIPS	464	497	33	
<input checked="" type="checkbox"/> SECONDARY PACK	#60 SILICA SAND	497	502	5	
<input checked="" type="checkbox"/> PRIMARY PACK	#20-40 SILICA SAND	502	537	35	
<input type="checkbox"/> SCREEN	SCHEDULE 80 PVC	507	527	20	4.75 / 5.5
<input checked="" type="checkbox"/> SUMP		527	532	5	
<input type="checkbox"/> PLUG BACK	20-40 SILICA SAND	532	537	5	

Well Name: TAV-MW13
Project Name: TA-V GROUNDWATER
NMOSE Well File Code: RG-90065, POINT OF DIVERSION: 115
Owner Name: SNL/NM
Date Drilling Started: 10/21/2010
Date Well Dev. Completed: 11/12/2010

Drilling Contractor: WDC EXPLORATION & WELLS
Drilling Method: AIR ROTARY CASING HAMMER
Borehole Depth (FBGS): 597
Casing Depth (FBGS): 550
Geo Location: TECH AREA V ON KAFB
Completion Zone: ALLUVIAL FAN FACIES
Completion Formation: SANTA FE

Survey Data

Survey Date: 3/29/2011
Surveyed By: SURVEYING CONTROL, INC.
 State Plane Coordinates: NAD 83
(X) Easting: 1553390.72
(Y) Northing: 1455391.70

Surveyed Evaluations (FAMSL) NAVD 88

Protective Casing: 5409.40
Top of Inner Well Casing: 5409.02
Concrete Pad: 5406.23
Ground Surface: 5406.0

Calculated Depths and Elevations

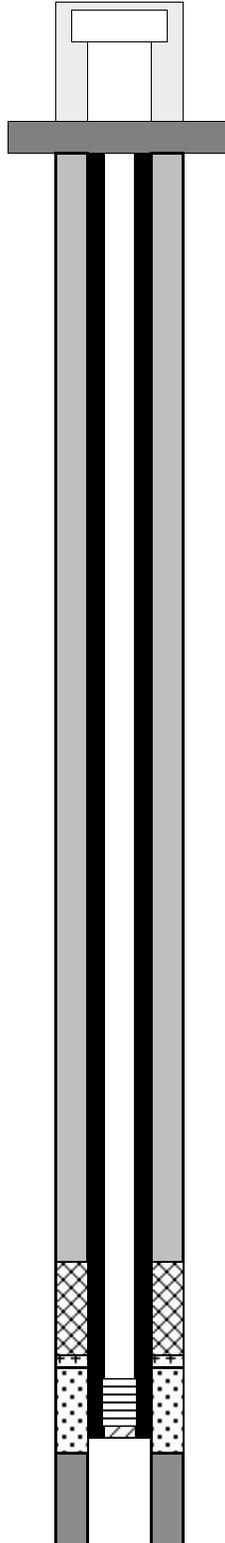
Initial Depth to Water (FBGS): 491.01
Date Intial Depth Measured:
Last Measured Water Elevation (FAMSL): 4914.68
Date Last Measured: 10/4/2011

Miscellaneous Information

Screen Slot Size (in.): 0.02
Date Updated: 09-JUN-11
Date Printed from EDMS: 11/29/2011 3:05:23 PM

Comments:

BOREHOLE DIAMETER IS 11.75 IN. 0 TO 320 FBGS AND 9.625 IN. FROM 320 TO 597 FBGS.



Completion Data Measured Depths (FBGS)

Casing Stickup: 3

Interval	Material	Start	Stop	Length	ID / OD (in.)
<input type="checkbox"/> BOREHOLE		0	597	597	
<input checked="" type="checkbox"/> CASING	SCHEDULE 80 PVC	0	550	550	4.75 / 5.5
<input type="checkbox"/> GROUT/BACKFILL	BENTONITE, CONCRE	0	475	475	
<input checked="" type="checkbox"/> SEAL	3/8 IN. BENT. CHIPS	475	515	40	
<input checked="" type="checkbox"/> SECONDARY PACK	#60 SILICA SAND	515	520	5	
<input checked="" type="checkbox"/> PRIMARY PACK	#10-20 SILICA SAND	520	557	37	
<input type="checkbox"/> SCREEN	SCHEDULE 80 PVC	525	545	20	4.75 / 5.5
<input checked="" type="checkbox"/> SUMP		545	550	5	
<input type="checkbox"/> PLUG BACK	3/8 IN. BENT. CHIPS	557	597	40	

Well Name: TAV-MW14
Project Name: TA-V GROUNDWATER
NMOSE Well File Code: RG-90065, POINT OF DIVERSION: 116
Owner Name: SNL/NM
Date Drilling Started: 10/22/2010
Date Well Dev. Completed: 11/9/2010

Drilling Contractor: WDC EXPLORATION & WELLS
Drilling Method: AIR ROTARY CASING HAMMER
Borehole Depth (FBGS): 549
Casing Depth (FBGS): 538
Geo Location: TECH AREA V ON KAFB
Completion Zone: ALLUVIAL FAN FACIES
Completion Formation: SANTA FE

Survey Data

Survey Date: 3/29/2011
Surveyed By: SURVEYING CONTROL, INC.
 State Plane Coordinates: NAD 83
(X) Easting: 1555140.59
(Y) Northing: 1454584.97

Surveyed Evaluations (FAMSL) NAVD 88

Protective Casing: 5441.96
Top of Inner Well Casing: 5441.52
Concrete Pad: 5438.98
Ground Surface: 5438.6

Calculated Depths and Elevations

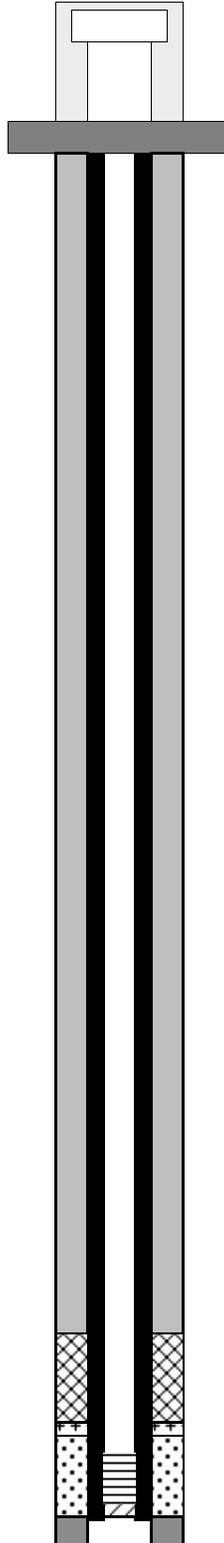
Initial Depth to Water (FBGS): 516.80
Date Intiial Depth Measured:
Last Measured Water Elevation (FAMSL): 4921.29
Date Last Measured: 10/20/2011

Miscellaneous Information

Screen Slot Size (in.): 0.01
Date Updated: 09-JUN-11
Date Printed from EDMS: 11/29/2011 3:06:36 PM

Comments:

BOREHOLE DIAMETER IS 11.75 IN. 0 TO 220 FBGS AND 9.625 IN. FROM 220 FBGS TO 549 FBGS.



Completion Data Measured Depths (FBGS)

Casing Stickup: 2.9

Interval	Material	Start	Stop	Length	ID / OD (in.)
<input type="checkbox"/> BOREHOLE		0	549	549	
<input checked="" type="checkbox"/> CASING	PVC	0	538	538	4.75 / 5.5
<input type="checkbox"/> GROUT/BACKFILL	BENTONITE, CONCRE	0	465	465	
<input checked="" type="checkbox"/> SEAL	BAROID HOLE PLUG	465	500	35	
<input checked="" type="checkbox"/> SECONDARY PACK	#60 SILICA SAND	500	505	5	
<input checked="" type="checkbox"/> PRIMARY PACK	#20-40 SILICA SAND	505	545	40	
<input checked="" type="checkbox"/> SCREEN	SCHEDULE 80 PVC	512	532	20	4.75 / 5.5
<input checked="" type="checkbox"/> SUMP		532	537	5	
<input checked="" type="checkbox"/> PLUG BACK	20-40 SILICA SAND	537	549	12	