

**TWN-1
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

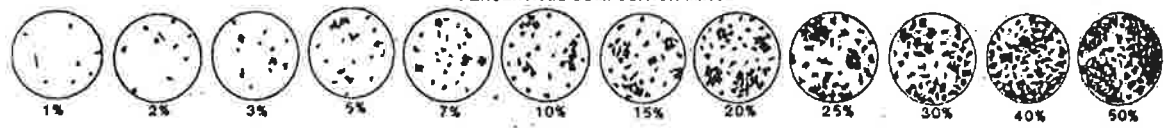
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180222A	2

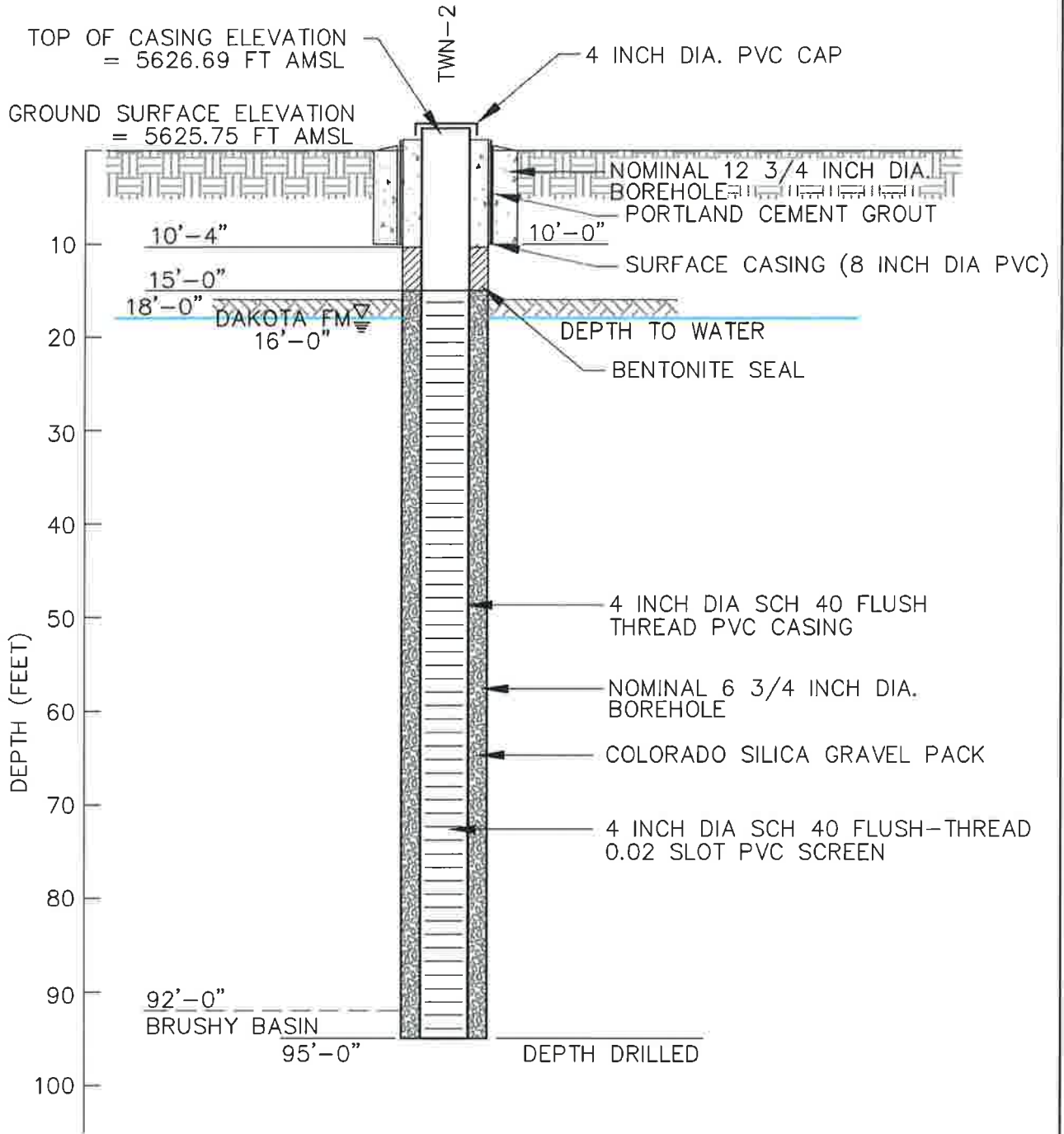
Date 2-6-09 Geologist L. Casebolt Drilling Co. Bayless Exploration Hole No. TWN-1
 Property WHITE MESA MUD Project NITRATE INVESTIGATION Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF 1
 T.D. PROBE 112.5
 T.D. DRILL 112.5
 FLUID LEVEL _____

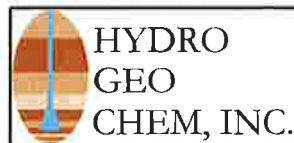
DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARRETT AND MAINLY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	HABIT	ALTER.	PYRITE	METALLIC	NON-METALLIC	REACT-10% HCL	AMOUNT	TYPE	CARBON	REMARKS
0																							
2.5						Sandy Siltst	lt rd bn	vf	p	a	N						VS						well collared near old sample plant, old pad material
5.0						sandy siltst	lt rd bn	vf	p	a	N						VS						
7.5						silty sh	rd bn										S						
10.0						silty sh	rd bn										S						
12.5						sh	lt rd bn										VS						
15.0						sh	lt yw bn										S						minors shale contact @ 112.5 ft.
17.5						sh	lt yw bn										M						
20.0						sh	yw bn										N						
22.5						sh	yw br										N						
25.0						sh	yw br										N						
27.5						sh, qtz ss	yw bn	f-cr	f	r	L						NW						Upper Dakota Contact @ 27.0 ft.
30.0						qtz ss	tn	m-cr	f	r	L						N						
32.5						qtz ss	tn	vf-f	f	r	L						N						1% wh chert grains
35.0						qtz ss	tn	vf-f	f	r	L						N						" " " "
37.5						qtz ss	tn	f-m	f	r	L						N						" " " "
40.0						qtz ss	tn	f-m	f	r	L						N						" " " "
42.5						qtz ss sh	tn-blg	f-m	f	r	L						N						
45.0						qtz ss sh	tn-blg	f-m	f	r	L						N						
47.5						qtz ss	tn	m-cr	f	r	L						N						
50.0						qtz ss	vt tn	f-m	f	r	L						N						
52.5						qtz ss	tn	f-m	f	r	L						N						
55.0						qtz ss	tn	f-m	f	r	L						N						
57.5						qtz ss	tn	f-m	f	r	L						N						
60.0						qtz ss	tn	f-m	f	r	L						N						
62.5						qtz ss	tn	m-cr	f	r	L						N						multicolored chert grains and frags 2%
65.0						qtz ss	tn	m-cr	f	r	L						N						" " " "
67.5						qtz ss	tn	m-cr	f	r	L						N						Chert content increasing to 5%
70.0						qtz ss/chert	tn	ver-grit	f	r	L						N						" " 40%
72.5						qtz ss	tn	m-ver	f	r	L						N						" " 25%
75.0						qtz ss	tn	m-ver	f	r	L						N						" " 30%
77.5						sh, qtz ss	vt blgy	f-cr	f	r	L						N						some chert frags & grains
80.0						sh cgl	lt blgy-dk tm	m-cr	f	r	L						N						Chert pebbles & frags
82.5						Cgl, qtz ss	tn	ver-qtz	f	r	L						N						multicolored chert pebbles
85.0						Cgl, qtz ss	tn	ver-qtz	f	r	L						N						multicolored chert grains and frags
87.5						qtz ss, cgl	tn	m-ver	f	r	L						N						multicolored chert grains & pebbles
90.0						qtz ss	tn	m-ver	f	r	L						N						chert fragments and grains 10%
92.5						qtz ss/cgl	tn-lt gn	vf-cr	f	r	L						N						shale frags 30%
95.0						qtz ss	vt lgy	vf-f	f	r	L						N						
97.5						qtz ss sh	vt lgy	vf-m	f	r	L						N						
100.0						qtz ss sh	vt lt-ltbl	vf-m	f	r	L						N						
102.5						qtz ss sh	tn-ltbl	f-cr	f	r	L						N						Brushy Basin contact @ 102.0
105.0						sh	lt blgy										N						
107.5						sh	lt blgy-pbn										N						
110.0						sh	lt blgy-pbn										N						
112.5						sh	lt blgy-pbn										N						T.D.

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



**TWN-2
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

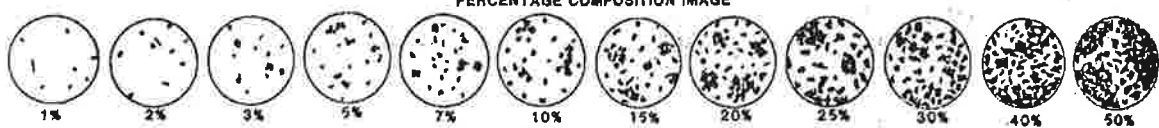
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180223A	3

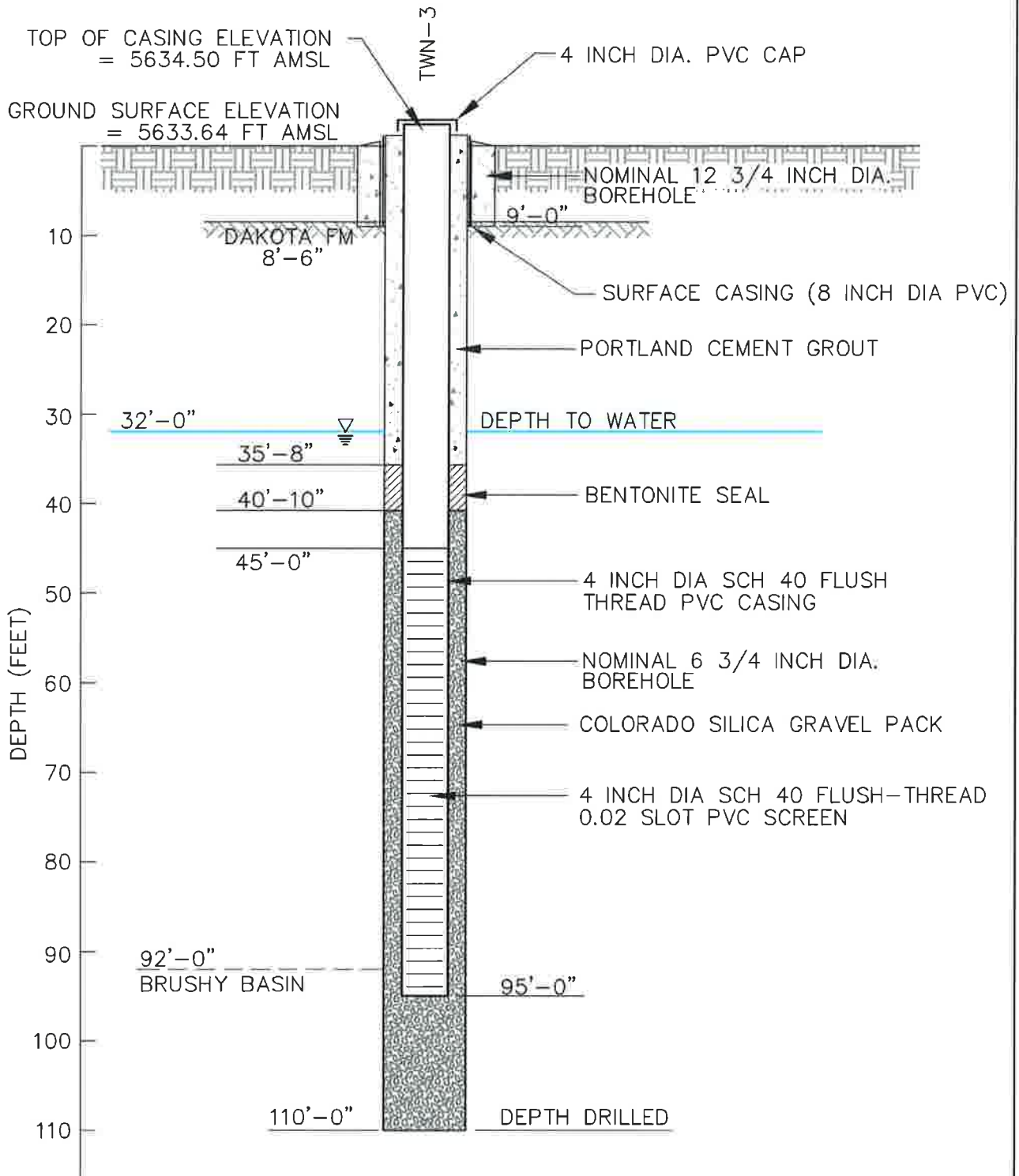
Date 2-4-09 Geologist L. Casbolt Drilling Co. Bayless Exploration Inc. Hole No. TWN-2
 Property White Mesa Mill Project Nitrate Investigation Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRA. PHIC LOG	ALTERATION	GAMMA ANOMALY	BRESCHIA PIPE	LITHOLOGY	COLOR OF WEI SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	HABIT	ALTER.	PYRITE METALLIC	NON METALLIC	REACT. LOSS	AMOUNT	TYPE	CARBON	REMARKS
0						Sndy sh	gybn-blk	vf	cr	a												surface material derived from mill yard-con-
2.5						Sndy sh	gybn-dkay	vf	cr	a												tinias fragments of coal and clinker fragments
5.0						Sndy sh	Horbn	vf	f	a												left from coal burning steam plant. (abrupt
7.5						Sndy sh	Horbn-dkay	vf	f	a												color change) Mucous shale contact @ 9.5'
10.0						Sndy sh	Horbn-vdkjy	vf	f	a												color 50%/50%
12.5						sh	dkgy															
15.0						sh	dkgy															
17.5						sh	dkgy															
20.0						sh	dkgy															
22.5						sh	dkgy															
25.0						sh	dkgy															
27.5						sh	dkgy															
30.0						sh	dkgy															
32.5						sh	dkgy															
35.0						sh	dkgy															
37.5						sh	dkgy															
40.0						sh	dkgy															
42.5						sh	dkgy															
45.0						sh	dkgy															
47.5						sh	dkgy															
50.0						sh	dkgy															
52.5						sh	dkgy															
55.0						sh	dkgy															
57.5						sh	dkgy															
60.0						sh	dkgy															
62.5						sh	dkgy															
65.0						sh	dkgy															
67.5						sh	dkgy															
70.0						sh	dkgy															
72.5						sh	dkgy															
75.0						sh	dkgy															
77.5						sh	dkgy															
80.0						sh	dkgy															
82.5						sh	dkgy															
85.0						sh	dkgy															
87.5						sh	dkgy															
90.0						sh	dkgy															
92.5						sh	dkgy															
95.0						sh	dkgy															
97.5						sh	dkgy															
100.0						sh	dkgy															
102.5						sh	dkgy															
105.0						sh	dkgy															
107.5						sh	dkgy															
110.0						sh	dkgy															
112.5						sh	dkgy															
115.0						sh	dkgy															
117.5						sh	dkgy															
120.0						sh	dkgy															
122.5						sh	dkgy															
125.0						sh	dkgy															
127.5						sh	dkgy															
130.0						sh	dkgy															
132.5						sh	dkgy															
135.0						sh	dkgy															
137.5						sh	dkgy															
140.0						sh	dkgy															
142.5						sh	dkgy															
145.0						sh	dkgy															
147.5						sh	dkgy															
150.0						sh	dkgy															

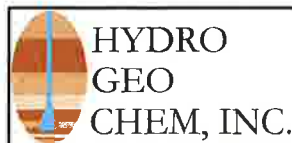
PAGE 1 OF 1
 T.O. PROBE 95.0
 T.O. DRILL 95.0
 FLUID LEVEL _____

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



**TWN-3
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

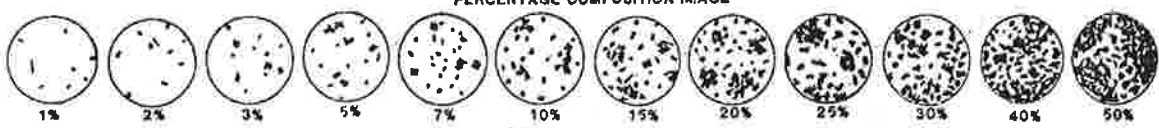
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180224A	4

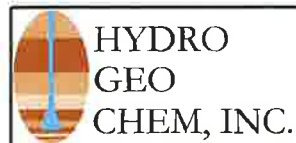
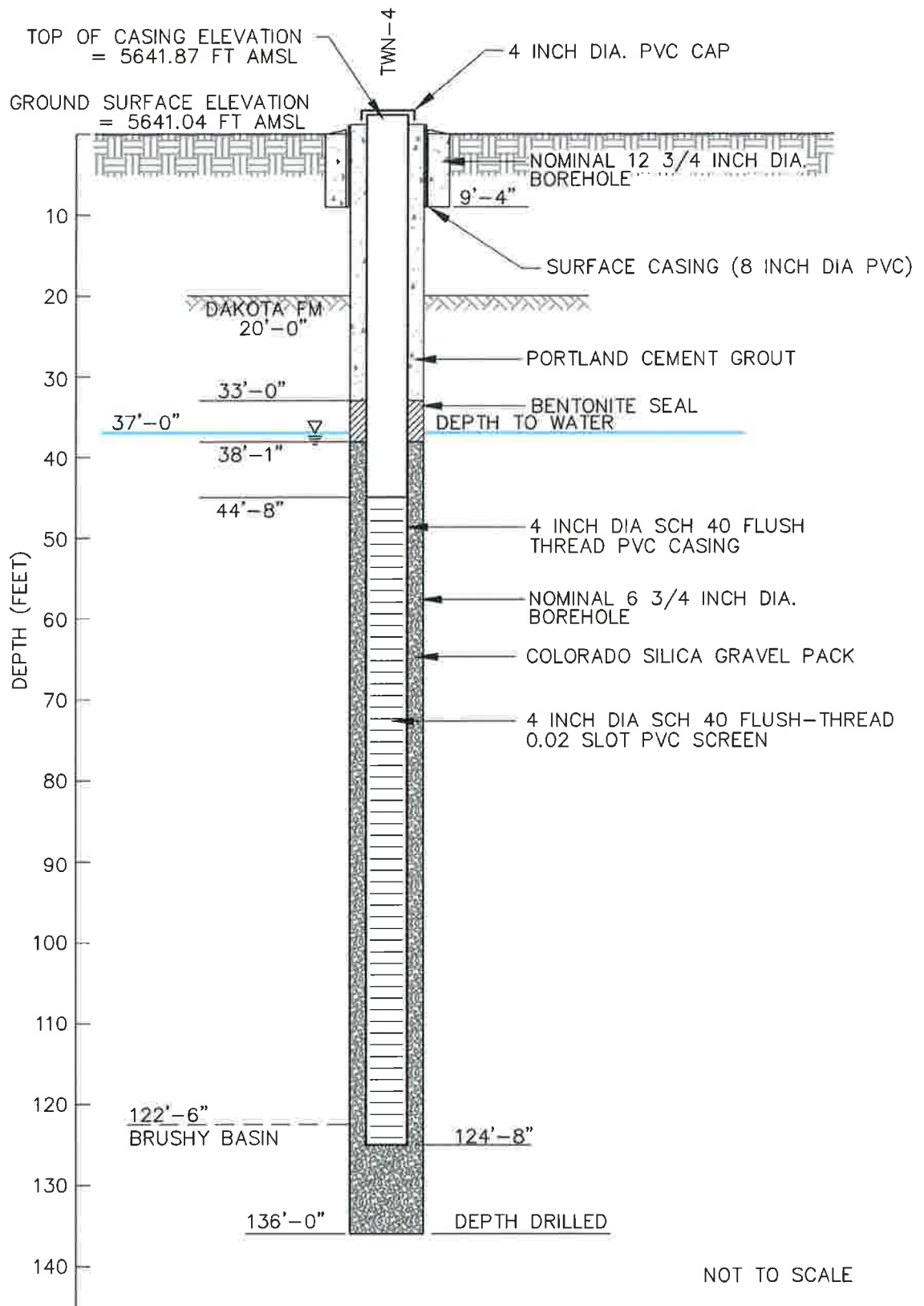
Date 2-3-09/2-4 Geologist E. Cascott Drilling Co. Boyles Exploration Hole No. TWN-3
 Property White Mesa Mill Project Nitrate Investigation Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF 1
 T.D. PROBE 110.0
 T.D. DRILL 110.0
 FLUID LEVEL _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARNA ANDALUSIT	BRECCIA TYPE	LITHOLOGY	COLOR	WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	ANDOIT	HYBIT	ALYEN.	PYRITE	METALLIC	NON-METALLIC	REACT. - 10% HCL	AMOUNT	TYPE	CARBON	REMARKS
0																								
2.5						Sandy sh	whn-lt rdn	vf f	p	a								VS					Surface soils	
5.0						sandy sh	whn-lt rdn	vf f	p	a								VS					Mancos shale @ 4.0 ft	
7.5						sandy sh	whn-lt	vf f	p	a								VS						
10.0						sandy sh-ss	whn-lt	f-m	f	a	H							N					Color change @ 9.5' Upper Dakota of sp. hem.	
12.5						qtz ss	whn-lt	f-m	f	a	L							M						
15.0						qtz ss	whn-lt	f-m	f	a	L							W						
17.5						qtz ss	whn-lt	f-m	f	a	L							N						
20.0						qtz ss	whn-lt	f-m	f	a	L	S						N					sparse pyrite agg. within hematite cemented sandstone frags.	
22.5						qtz ss	whn-lt	f-m	f	a	L	S						N						
25.0						qtz ss	whn-lt	f-m	f	a	L	S						N						
27.5						qtz ss	whn-lt	f-m	f	a	L	S						N						
30.0						qtz ss	whn-lt	f-m	f	a	L	S						N						
32.5						qtz ss	whn-lt	f-m	f	a	L	S						N						
35.0						qtz ss	whn-lt	vf-f	f	a	L	S						N					Trace limonite	
37.5						qtz ss	whn-lt	f-m	f	a	L	S						N					" "	
40.0						qtz ss	whn-lt	vf-m	f	a	L	S						N						
42.5						qtz ss	whn-lt	f-m	f	a	L	S						N						
45.0						qtz ss	whn-lt	f-m	f	a	L	S						N					sparse chert frags as sandgrains 1-2%	
47.5						qtz ss	whn-lt	f-m	f	a	L	S						N						
50.0						qtz ss-sh	whn-lt	vf-f	f	a	L	S						N						
52.5						sandy sh	whn-lt	vf-f	f	a	L	S						N						
55.0						sandy sh	whn-lt	vf-f	f	a	L	S						N						
57.5						sandy sh	whn-lt	vf-f	f	a	L	S						N						
60.0						silty qtz ss	whn-lt	vf-f	f	a	L	S						N						
62.5						silty qtz ss	whn-lt	vf-f	f	a	L	S						N						
65.0						qtz ss-sh	whn-lt	f-m	f	a	L	S						N						
67.5						qtz ss	whn-lt	f-m	f	a	L	S						N						
70.0						qtz ss	whn-lt	vf-f	f	a	L	S						N					trace of chert frags	
72.5						qtz ss	whn-lt	vf-f	f	a	L	S						N						
75.0						qtz ss	whn-lt	vf-m	f	a	L	S						N						
77.5						qtz ss	whn-lt	vf-f	f	a	L	S						N						
80.0						qtz ss	whn-lt	vf-f	f	a	L	S						N						
82.5						qtz ss	whn-lt	f-m	f	a	L	S						N					trace dissem. pyrite	
85.0						qtz ss-sh	whn-lt	f-m	f	a	L	S						N					noted increase in grain size, some chert frags	
87.5						qtz ss	whn-lt	vf-f	f	a	L	S						N						
90.0						qtz ss-sh	whn-lt	f-m	f	a	L	S						N						
92.5						qtz ss-sh	whn-lt	f-m	f	a	L	S						N					Brushy Basin Contact @ 92.0 ft.	
95.0						sh-qtz ss	whn-lt	f-m	f	a	L	S						N						
97.5						sh	whn-lt	f-m	f	a	L	S						N						
100.0						sh-qtz ss	whn-lt	vf-m	f	a	L	S						N						
102.5						sandy siltst	whn-lt	vf-f	f	a	L	S						N						
105.0						sandy siltst	whn-lt	vf-f	f	a	L	S						N						
107.5						sandy siltst	whn-lt	vf-f	f	a	L	S						N						
110.0						sandy siltst	whn-lt	vf-f	f	a	L	S						N					T.D.	

PERCENTAGE COMPOSITION IMAGE





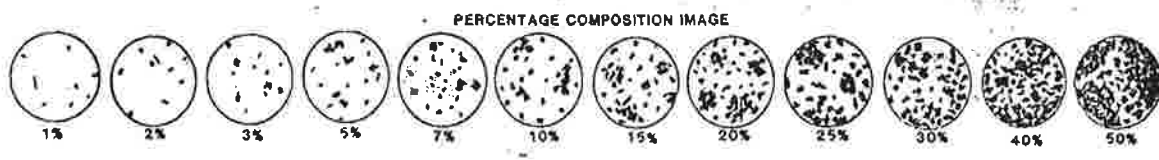
**TWN-4
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180225A	5

Date 2-3-09 Geologist L. Casbolt Drilling Co. Boyles Exploration, Inc. Hole No. TWN-4
 Property WHITE MESA MILL Project NITRATE Investigation Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County SAN JUAN State UTAH Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERNATION	GRAMA ANOMALY	BIFURCA PIPE	LITHOLOGY	COLOR WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	AMOUNT	HABIT	ALTER.	PYRITE		REACT-10% HCL	AMOUNT	TYPE	REMARKS	
																METALLIC	NON-METALLIC					
0																						
2.5						Siltst-Sh	lt rdbr-ltn							H			S					
5.0						Siltst-Sh	lt rdbr-ltn							H			VS					
7.5						Siltst-Sh	lt rdbr-ltn							H			VS					
10.0						Siltst-Sh	lt tn-lt rdbr							H			VS					Bottom of surface casing @ 9'4"
12.5						Sndy Siltst	lt pktn-lt ywgy							H			VS					Wanans Shale @ 12.5'
15.0						Sndy Sh	lt yw gr							L			S					
17.5						Sndy Sh	lt yw gr							L			W					
20.0						Sndy SA	lt yw gr							L			M					
22.5						qtz ss	yw gy	f-m	m	sr				L			N					Upper Dakota Fm contact @ 20.0 ft
25.0						ate ss	gytn			m	m	sr		L			N					
27.5						ate ss	gytn			m	m	sr		L			N					
30.0						ate ss-sh	dktn-ltn	f-m	m	sa				L			N					
32.5						ate ss	tn	f-m	m	sr				L			N					
35.0						ate ss	tn	f-m	m	sr				L			N					
37.5						ate ss	tn	f-m	m	sr				L			N					
40.0						ate ss	tn	f-m	m	sr				L			N					
42.5						ate ss	tn	m	m	sr				L			N					
45.0						ate ss	tn	m	m	sr				L			N					
47.5						ate ss	tn	m	m	sr				L			N					
50.0						sh-ate ss	gy-qtz	m	m	sa				H			N					
52.5						sh-ate ss	gy-qtz	m	m	sa				H			N					
55.0						ate ss-sh	lt tn-gy	m	m	sa				L			N					
57.5						ate ss-act	lt gytn	m	m	sa				L			N					abund chert frags
60.0						ate ss-act	lt tn	m	m	sr				L			N					abund multi colored chert grains and frags
62.5						ate ss-act	lt gytn	m	m	sr				L			N					abund multi colored chert grains and frags
65.0						ate ss-act	lt gy	m	m	sr				L			N					abund multi colored chert pebbles and frags
67.5						ate ss-act	lt gy	m	m	sr				L			N					abund multi colored chert pebbles and frags
70.0						ate ss	lt gy	m	m	sr				L			N					abund chert frag
72.5						ate ss-sh	lt gy	ver	tbl	sr				L			N					abund chert frag
75.0						ate ss-act	lt gy or	ver	tbl	sr				L			N					abund multi colored chert frags
77.5						ate ss-act	lt gy or	ver	tbl	sr				L			N					qtz grains well rounded, chert frag angular
80.0						ate ss-act	lt gy or	ver	tbl	sr				L			N					" " " " " " " "
82.5						ate ss-act	lt gy or	ver	tbl	sr				L			N					" " " " " " " "
85.0						ate ss-act	lt tn	m	m	sr				L			N					" " " " " " " "
87.5						ate ss-act	lt tn	m	m	sr				L			N					" " " " " " " "
90.0						ate ss-sh	lt gytn	m	m	sr				L			N					" " " " " " " "
92.5						ate ss	vt tn	vf	cr	sr				L			N					abund multi colored chert grains
95.0						ate ss	vt tn	m	cr	sr				L			N					" " " " " " " "
97.5						ate ss	vt tn	f	m	sr				L			N					sparse chert frags
100.0						ate ss	lt tn	f	m	sa				L			N					sparse chert grains and frags
102.5						ate ss	lt tn-lt gn	vf	m	sa				L			N					some chert pebbles and frags
105.0						ate ss	lt gytn	vf	f	sa				L			N					some chert pebbles and frags
107.5						ate ss	lt gytn	vf	m	sa				L			N					some chert pebbles and frags
110.0						ate ss	lt tn	f	m	sa				L			N					sparse chert pebbles and frags
112.5						ate ss	lt tn	f	m	sa				L			N					sparse multi colored chert frags
115.0						ate ss	lt tn	f	m	sa				L			N					sparse multi colored chert frags
117.5						ate ss	lt tn	f	m	sa				L			N					sparse multi colored chert frags
120.0						sndy silt	dk gy	vf	f	sa				L			N					
122.5						silt qtz ss	yw gy	vf	m	sa				L			W					
125.0						siltst-sh	gygn-rdbr							L			W					Upper Brushy Basin Contact @ 123.5

PAGE 1 OF 2
 T.D. PROBE 136.0
 T.D. DRILL 136.0
 FLUID LEVEL _____

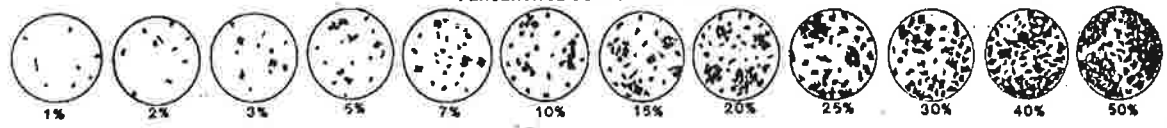


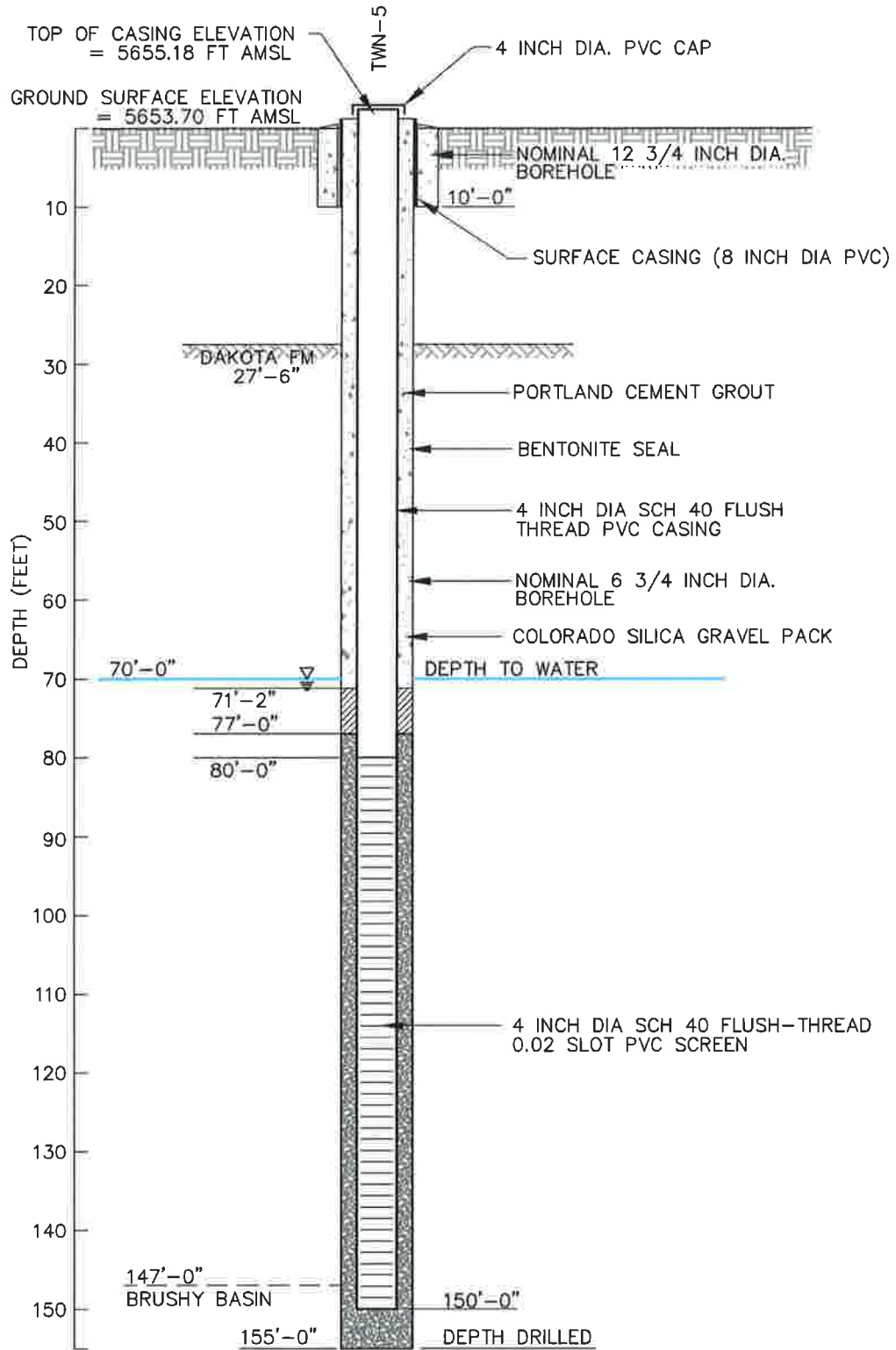
Date 2-3-69 Geologist L. Casebolt Drilling Co. Bayles Exploration, Inc. Hole No. TWN-4
 Property White Mesa Mill Project Nitrate Investigation Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARRENS ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	PYRITE		NON-METALLIC	REACT-TOB HCL	AMOUNT	TYPE	CARBON	REMARKS
													HABIT	ALTER.						
25.0						snly slst	gn	vf-f	8	50					N					
27.5						snly slst	vtgn	vf-f	8	50					N					
32.0						slst-sh	gn								N					
32.5						snly slst	gn-ah	vf-f	8	50					N					
135.0																				
136.0																				No cuttings were recovered from 135.0-136.0

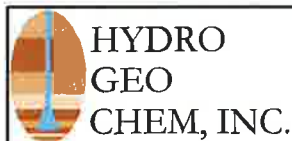
PAGE 2 OF 2
 T.D. PROBE 136.0
 T.D. DRILL 136.0
 FLUID LEVEL 43.84

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



**TWN-5
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

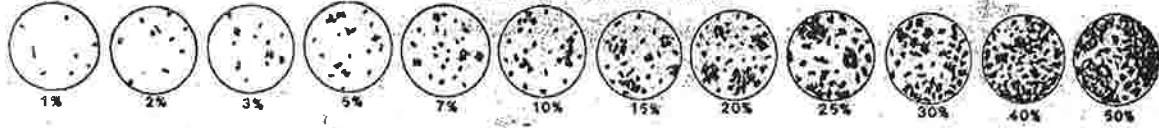
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180226A	6

Date 8-19-09 Geologist L. CASEBOLT Drilling Co. Bayles Exploration Inc. Hole No. TWN-5
 Property White Mesa Mill Project Wetrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	ALTERNATION	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	PYRITE	METALLIC	NON-METALLIC	REACT. TO HCL	AMOUNT, %	TYPE	CARBON	REMARKS
0																	
2.5			siltst mdst	rdbrn													Surface soil
5.0			siltst sh	rdbrn-tn													Surface soil
7.5			siltst mdst	rdbrn-tn													Surface soil
10.0			qtz ss	rdbrn	vf-f	m	a	H									Surface soil
12.5			sandy sh	pk yw brn	vf-m	a	a										Maries shale at 10.0'
15.0			sandy sh	yw brn	vf-m	a	a										
17.5			sandy sh	yw brn	f-m	a	a										
20.0			Sh	dk gy brn													
22.5			Sh	dk gy brn													
25.0			qtz ss sh	gy brn	f-m	a	a	L									
27.5			sh	gy brn													
30.0			qtz ss	tn	f-m	m	a	L									Dakota fract @ 27.5
32.5			qtz ss	vt gy brn	f-m	m	a										
35.0			qtz ss	wh	f-m	m	a										
37.5			qtz ss	wh	f-m	m	a										
40.0			qtz ss	wh	f-m	m	a										
42.5			qtz ss	wh	f-cr	m	a										some chert frag grains
45.0			qtz ss	wh	f-m	m	a										
47.5			qtz ss	wh	m	cr	m	a									
50.0			qtz ss	wh	m-cr	m	a										
52.5			qtz ss	wh	m	cr	m	a									
55.0			qtz ss	H tn	m-cr	m	a										abund chert grains
57.5			chert ss cal	orgy	vf-rel	m	a										very abund chert grains
60.0			chert ss gy	orgy	ver-fu												chert grains + frag + pebbles dominates
62.5			sh	tn													
65.0			qtz ss	H tn	m-cr	m	a										
67.5			qtz ss	H tn	m-cr	m	a										
70.0			qtz ss cal	orgy	m-cr	m	a										
72.5			qtz ss cal	gy brn	m-cr	m	a										dominant chert + quartz pebbles + fragments
75.0			siltst sh	qtz tn													
77.5			sandy sh	gy	f-m	m	a										
80.0			qtz ss sh	gy	f-m	m	a										
82.5			qtz ss	wh	f-cr	m	a										
85.0			qtz ss ch	wh-yw gy	f-m	m	a										
87.5			sh	pbngy													
90.0			sh-qtz ss	gy rdbrn-wh	f-m	m	a										
92.5			qtz ss sh	wh-gy rdbrn	f-m	m	a										
95.0			sh	rdbrn-gy													
97.5			qtz ss	vt tn	f-m	m	a										Moisture first noted
100.0			qtz ss	vt tn	f-m	m	a										Hard section
102.5			qtz ss sh	wh-pbngy				L									shale frag may be transient
105.0			qtz ss	wh	m-cr	m	a										light colored chert frag grains
107.5			qtz ss	wh	f-cr	m	a										
110.0			qtz ss	wh	m-cr	m	a										
112.5			qtz ss	wh	f-cr	m	a										some multicolored chert grains
115.0			sh	H gy													some ver chert grains
117.5			qtz ss sh	vt gy	f-cr	m	a										some cr chert grains
120.0			sandy sh	H gy-H gy	f-cr	m	a										" " " "
122.5			sandy sh sh	gy-rdbrn	f-cr	m	a										" " " "
125.0			sandy sh	gy-rdbrn	f-cr	m	a										" " " "

PAGE 1 OF 2
 T.D. PROBE _____
 T.D. DRILL 155.0
 FLUID LEVEL _____

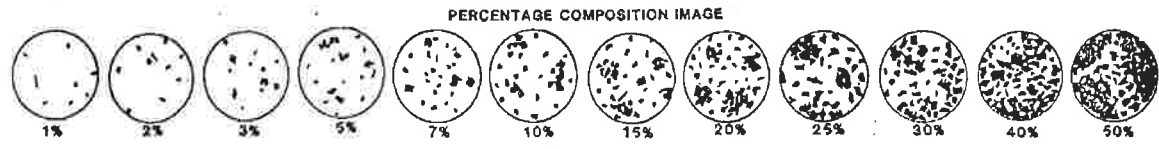
PERCENTAGE COMPOSITION IMAGE

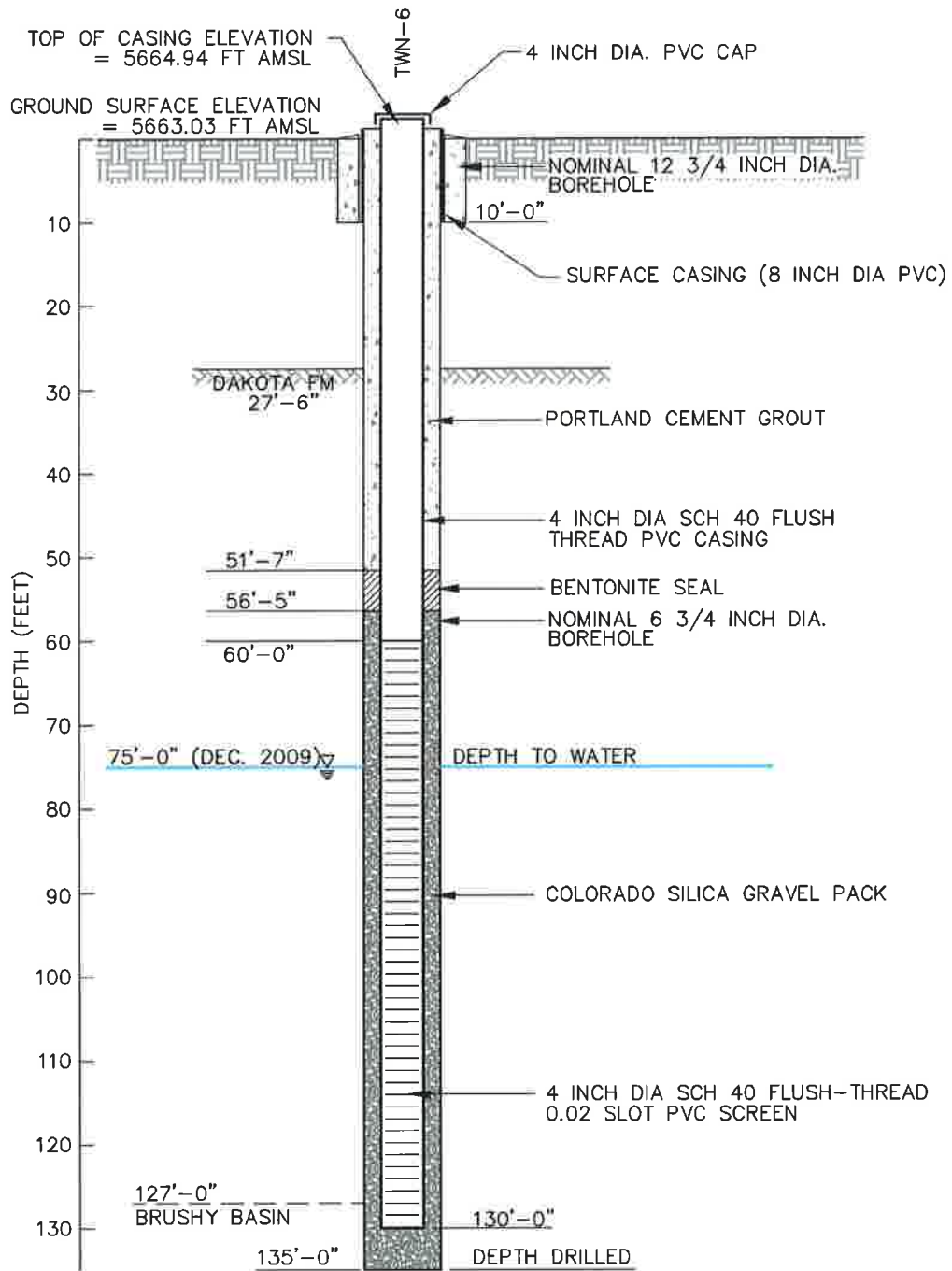


Date 8-19-09 Geologist L. Casaboff Drilling Co. Boyles Exploration, Inc. Hole No. TWN-5
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

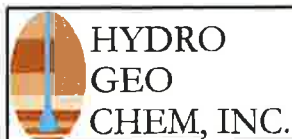
DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARNA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	HABIT	PYRITE	METALLIC	NON-METALLIC	REACT-OX% HCL	AMOUNT	TYPE	CARBON	REMARKS
125.0																						
127.5						qtz ss, sh	wh-ppbn	vf-m	Δ							N						
130.0						qtz ss	wh	vf-m	Δ							N						
132.5						qtz ss	wh-ltgn	vf-m	Δ							N						
135.0						qtz ss	wh-ltgn	vf-m	Δ							N						
137.5						qtz ss	vltn	vf-f	Δ							N						
140.0						qtz ss	vltn	vf-f	Δ							N						
142.5						qtz ss	vltn	vf-f	Δ							N						
145.0						qtz ss	vltn	vf-f	Δ							N						
147.5						qtz ss, sh	vltn-ltgn	vf-f	Δ							N						Upper Brushy Basin - Cor Cont'd @ 147.0
150.0						qtz ss, siltst	ltgn-dkgn	vf-f	Δ							N						
152.5						sh	gn-ppbn									N						
155.0						sh	gn-ppbn									N						
T.D.																						

PAGE 2 OF 2
 T.D. PROBE _____
 T.D. DRILL 155.0
 FLUID LEVEL _____





NOT TO SCALE



**TWN-6
 AS-BUILT WELL CONSTRUCTION SCHEMATIC**

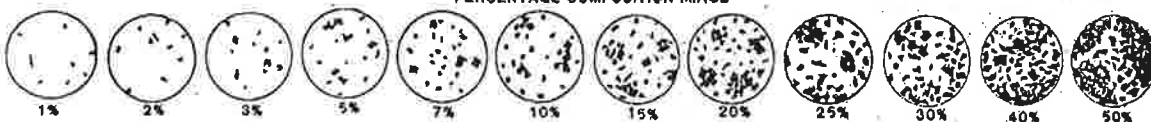
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180227A	7

Date 8-18-09 Geologist L. Casabert Drilling Co. Bayles Exploration, Inc Hole No. TWN-6
 Property White Mesa Mill Project URANATE STUDY Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County SAN JUAN State UTAH Location _____ Elev. _____

PAGE 1 OF 2
 T.D. PROBE _____
 T.D. DRILL 135.0
 FLUID LEVEL _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARREN ANOMALY	BR/CECILIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	AMOUNT	PYRITE	METALLIC	NON-METALLIC	REACT-LOG HEL	AMOUNT	TYPE	REMARKS
0																				
2.5						sltst.mdst	rd br								S					Surface Soil
5.0						sh	ywbn								VS					Upper pt w/ minor sh. fr. some selenite xls
7.5						sh	ywbn								S					Selenite
10.0						sh	ywbn-gy								S					"
12.5						sh	ywbn-gy								S					"
15.0						sh	ywbn-gy								S					"
17.5						sh	ywbn-gy								S					"
20.0						sh	ywbn-gy								S					"
22.5						sandy sh	orbn	f-m	m	a					N					
25.0						sh	dk ywbn								N					
27.5						sh	dk ywbn								N					
30.0						qtz ss	dk tn	f-m	m	a	L				N					clay Disk at @ 27.5'
32.5						qtz ss	tn	f-m	m	a	L				N					
35.0						qtz ss	tn bn	vf-f	p	a	L				N					
37.5						qtz ss	tn bn	f-m	m	a	L				N					
40.0						qtz ss	tn	m	m	a					N					
42.5						qtz ss	tn	m	m	a					N					
45.0						qtz ss	tn	m	m	a					N					
47.5						qtz ss	tn	m	m	a					N					
50.0						qtz ss	tn	m	m	a					N					
52.5						qtz ss	tn	f-m	m	a	L				N					
55.0						qtz ss	tn	m	m	a	L				N					
57.5						qtz ss	tn bn	m	m	a					N					
60.0						qtz ss	tn	m	cr	m	r				N					
62.5						qtz ss	tn	m	cr	m	r				N					
65.0						qtz ss, cgl	tn bn	m-pb	p	a					N					abund. multi colored chert frags. & pebbles
67.5						qtz ss	tn bn	m-cr	m	a					N					
70.0						qtz ss	tn bn	m-cr	m	r					N					moisture first noted @ 67.5
72.5						qtz ss	tn bn								N					H ₂ O injection begins @ 70.0'
75.0						qtz ss, cgl	ywbn-gy	m-wb	p	a					N					some chert pebbles & frags
77.5						qtz ss	ywbn-gy	m-cr	p	a					N					" " coarse grains
80.0						sh	qygn-pbln								N					
82.5						sh	pbln								N					
85.0						sh	pbln								N					
87.5						sh	qn pbln								N					
90.0						qtz-qtz ss	qn-wh								N					
92.5						qtz ss	wh								N					
95.0						qtz ss	wh								N					
97.5						qtz ss	wh								N					
100.0						qtz ss	wh								N					
102.5						qtz ss	wh	f-m	m	a					N					
105.0						qtz ss	lgy	m-cr	m	a					N					
107.5						qtz ss	lgy	m-cr	m	a					N					
110.0						qtz ss	lgy	m-cr	m	r					N					
112.5						qtz ss	wh	m	m	r					N					
115.0						qtz ss, cgl	wh-gy	m-wb	p	a					N					Some chert frag & pebbles
117.5						qtz ss, cgl	wh-gygn	m-wb	p	a					N					abund chert frags & pebbles
120.0						qtz ss	wh	m-cr	w	R					N					
22.5						qtz ss	wh	m	w	R					N					
25.0						qtz ss	wh	m	w	R					N					

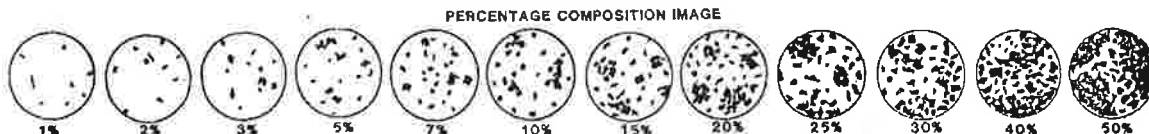
PERCENTAGE COMPOSITION IMAGE

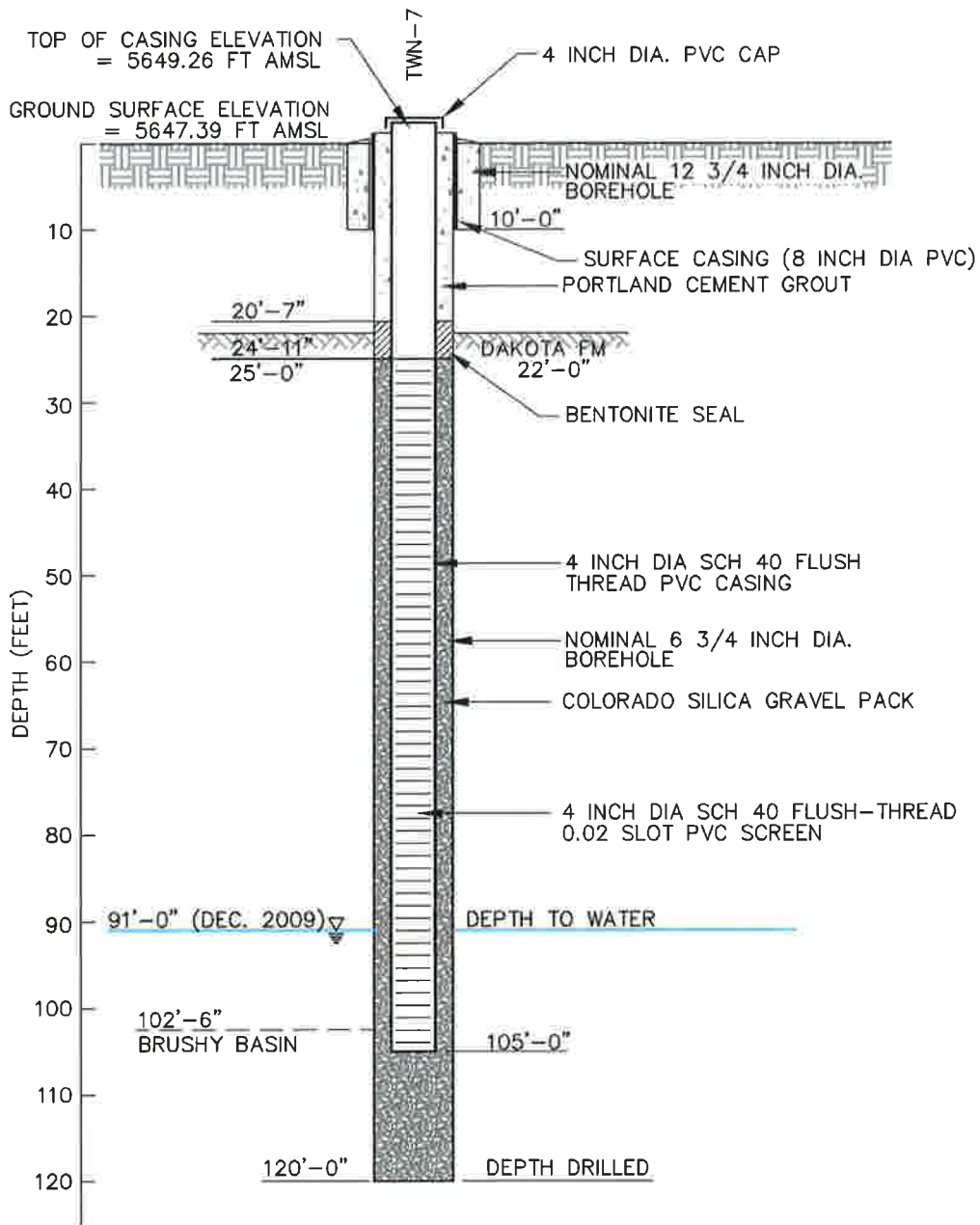


Date 8-18-09 Geologist L. Casebolt Drilling Co. Buyles Exploration, Inc. Hole No. TWN-1
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARRELS ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	AMOUNT	PYRITE	ALTER.	METALLIC	NON-METALLIC	REACT-1000 HCL	AMOUNT	TYPE	CARBON	REMARKS
125.0						qtz ss, sh	vltn, gn	f-m	r													Upper Brushy Basin fm contact @ 127.0
127.5						qtz ss, sh	gn-rdbn	f-m	r													
130.0						sh	rdbn-gy															
132.5						sh	rdbn-gy															
135.0						sh	rdbn-gy															
T.D.																						

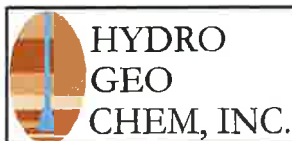
PAGE 2 OF 2
 T.D. PROBE _____
 T.D. DRILL 135.0
 FLUID LEVEL _____





NOTE: TWN-7 WAS INSTALLED DRY

NOT TO SCALE



**TWN-7
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180228A	8

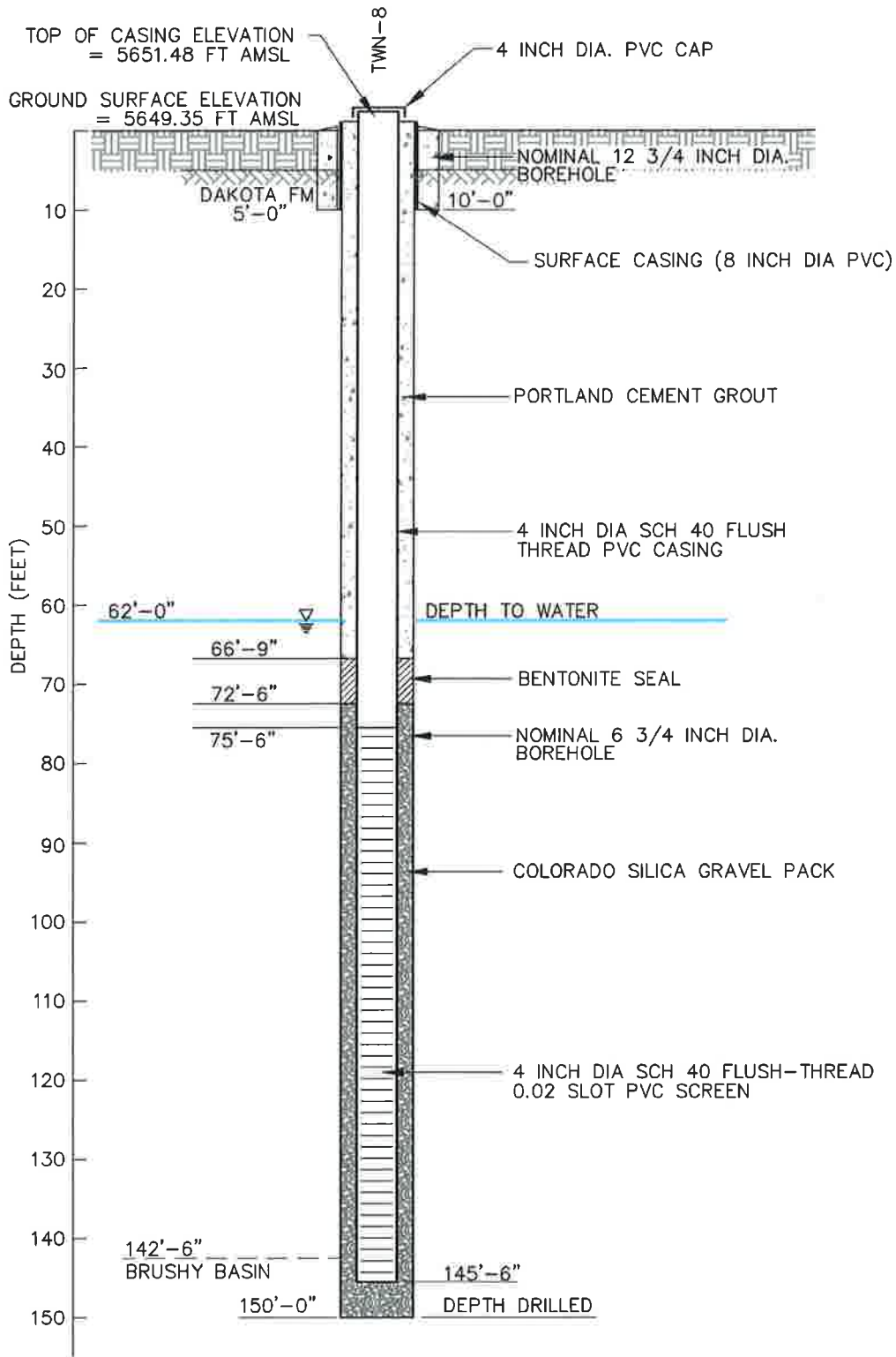
Date 8-20-09 Geologist L. CASEBOLT Drilling Co. Bayl's Exploration Inc Hole No. TW-7
 Property White Mesa Mill Project NITRATE STUDY Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARREN ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	HABIT	PYRITE		METALLIC	NON-METALLIC	REACT. TO HCL	AMOUNT	TYPE	REMARKS
															AMOUNT	TYPE						
0																						
2.5						siltst, mudst	rd bn															Surface Soil
5.0						siltst, mudst	rd bn															Surface Soil
7.5						siltst, mudst	rd bn															
10.0						siltst, mudst	rd bn															
12.5						sh	gray bn															Monocsh contact at 10.0ft
15.0						sh	dk gray bn															
17.5						sh	dk gray bn															
20.0						sh	dk-Hgray bn															
22.5						sh, qb, ss	or bn	f. m														Dakota fm. at e 22.0'
25.0						qtz ss	lt gray	f. m														
27.5						sh ss	lt gray	f. m														
30.0						qtz ss	lt bn	f. m														
32.5						qtz ss	wh	m. m														
35.0						qtz ss	wh	m. cr. m														Some chert grains as the coarser fraction.
37.5						qtz ss	wh	m. w. r														
40.0						qtz ss	wh	m. cr. m														
42.5						qtz ss	wh	m. w. r														
45.0						qtz ss	wh	m. w. r														
47.5						qtz ss	wh	m. m														
50.0						qtz ss	wh	m. m														
52.5						qtz ss	lt bn	m. w. r														
55.0						qtz ss	lt gray	m. w. r														
57.5						sh	lt gray															
60.0						sh-qtz ss	lt m. dk bn	pebb														dk bn chert pebble frags
62.5						qtz ss, sgl	or bn	m. pebb														abund chert frag, grains and pebbles
65.0						qtz ss, sgl	wh bn	m. pebb														" " " " " "
67.5						qtz ss, sgl	wh bn	m. pebb														" " " " " "
70.0						qtz ss, sgl	dk bn	m. pebb														" " " " " "
72.5						qtz ss, sgl, sh	lt gray	f. pebb														" " " " " "
75.0						sh, qtz ss	lt gray	f. m														
77.5						qtz ss	lt bn	f. m														
80.0						sh	lt gray															
82.5						sh	lt gray-rd bn															
85.0						sh	gray-rd bn															
87.5						sh	rd bn-gray															
90.0						sh	rd pbn															
92.5						sh	rd pbn															
95.0						sh	gray-pbn															
97.5						sh, qb, ss	lt gray-pbn-wh v. m	f. m														
100.0						qtz ss	wh	f. m														
102.5						qtz ss, sh	wh-gray-pbn	f. m														
105.0						sh	ppbn-gray															Brushy Basin at e 102.5
107.5						sh	gray-pbn															
110.0						sandy sh	lt gray	f. m														
112.5						sandy sh	lt gray	f. m														
115.0						qtz ss	lt gray-lt bn	f. m														
117.5						qtz ss, sh	lt bn	f. m														
120.0						sandy sh	gray	f. m														T.D.

PAGE 1 OF _____
 T.D. PROBE _____
 T.D. DRILL 120.0
 FLUID LEVEL _____

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



**TWN-8
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

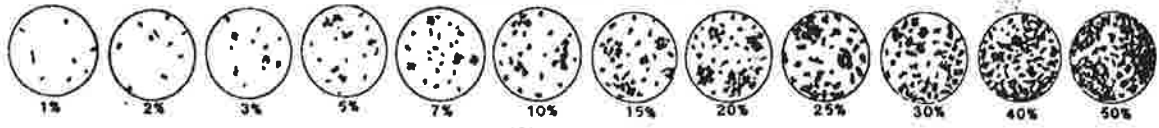
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180229A	9

Date 8-19-09 Geologist L. CASEBOLT Drilling Co. Bayles Exploration, Inc. Hole No. TWN-8
 Property White Mesa Mill Project White Mesa Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF 2
 T.D. PROBE 150.0
 T.D. DRILL 150.0
 FLUID LEVEL _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	DRAMA ANOMALY	BIOTITE PIPE	LITHOLOGY	COLOR	WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTARITY	IRON OXIDE	AMOUNT	HABIT	PYRITE	ALTER.	METALLIC	NON METALLIC	REACT. TO % HCL	AMOUNT	TYPE	CARBON	REMARKS
0																								
2.5						slt mdst	rd bn																	Surface Soil.
5.0						qtz ss	or tn	vf-f	mw	a														Surface Soil
7.5						qtz ss	lt tn	vf-f	mw	a														Dakota, fm @ 5.0'
10.0						qtz ss	lt tn	vf-f	mw	a														
12.5						qtz ss	tn	f	m	mw	a													
15.0						qtz ss	tn	f	m	mw	a													
17.5						qtz ss	tn	f	m	mw	a													
20.0						qtz ss, sh	tn-gy	m-cr	p	a														
22.5						qtz ss	tn	m	w	r														
25.0						qtz ss	tn	f	w	r														
27.5						qtz ss, sh	tn-dkgy	m	w	r														
30.0						qtz ss, sh	tn-dkgy	f	m	w	d													
32.5						qtz ss	tn-gy	m-cr	p	a														light colored chert frags.
35.0						qtz ss-sh	tn-dkgy	m-cr	p	a														
37.5						qtz ss, cgl	tn-gy	m-peg	p	a														abund. multi colored chert frags, grains and pebbles.
40.0						qtz ss, cgl	tn-gy	m-peg	p	a														" " " " " "
42.5						qtz ss, cgl	tn-gy	m-peg	p	a														" " " " " "
45.0						qtz ss	tn	m	w	r														" " " " " "
47.5						qtz ss	tn	m	w	r														
50.0						qtz ss, cgl	tn	m-peg	p	a														
52.5						qtz ss	tn	f	m	mw	a													
55.0						qtz ss	ltgy	f	m	mw	a													
57.5						qtz ss	wh	f	m	mw	a													
60.0						qtz ss	ltgy	f	w	r														
62.5						qtz ss	ltgy	f	w	r														
65.0						qtz ss	ltgy	f	w	r														
67.5						qtz ss	ltgy	f	w	r														
70.0						qtz ss, sh	ltgy-wh	f	w	r														
72.5						qtz ss	wh	f	w	r														
75.0						qtz ss	wh	f	m	p	a													
77.5						qtz ss	wh	m-cr	m	a														Moisture first noted
80.0						qtz ss	wh	m-cr	m	a														Hz P inject begin
82.5						qtz ss	wh	m-peg	p	a														some chert frags & grains
85.0						qtz ss	wh	m-cr	p	a														
87.5						qtz ss	wh	f-cr	p	a														
90.0						qtz ss, cgl	wh-dkgy	m-peg	p	a														abund. dark chert pebs & grains
92.5						qtz ss, cgl	dkgy	f-peg	p	a														some " " " "
95.0						qtz ss, cgl	dk bn	m-peg	p	a														abund " " " "
97.5						qtz ss, cgl	ltgy	f-peg	p	a														some " " " "
100.0						qtz ss, sh	wh-gy	f-cr	p	a														
102.5						sh	gn																	
105.0						siltsh	gn-htk																	
107.5						qtz ss	wh	f	m	p	a													
110.0						qtz ss	wh	f	m	p	a													
112.5						qtz ss	wh	-f	cr	p	a													
115.0						qtz ss, cgl	wh	f-peg	p	a														chert frags.
117.5						qtz ss	wh	f-peg	p	a														
120.0						qtz ss, cgl	wh	m-peg	p	a														noticeable pyrite occurrence, chert frags.
122.5						qtz ss	wh	f	m	p	r													
125.0						qtz ss	wh	f	m	p	r													

PERCENTAGE COMPOSITION IMAGE

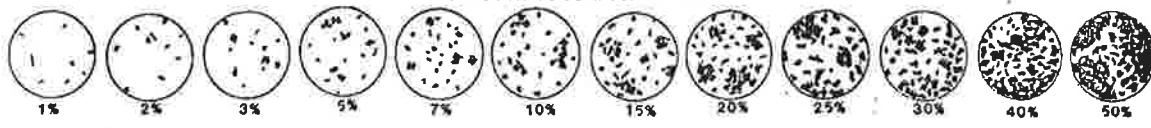


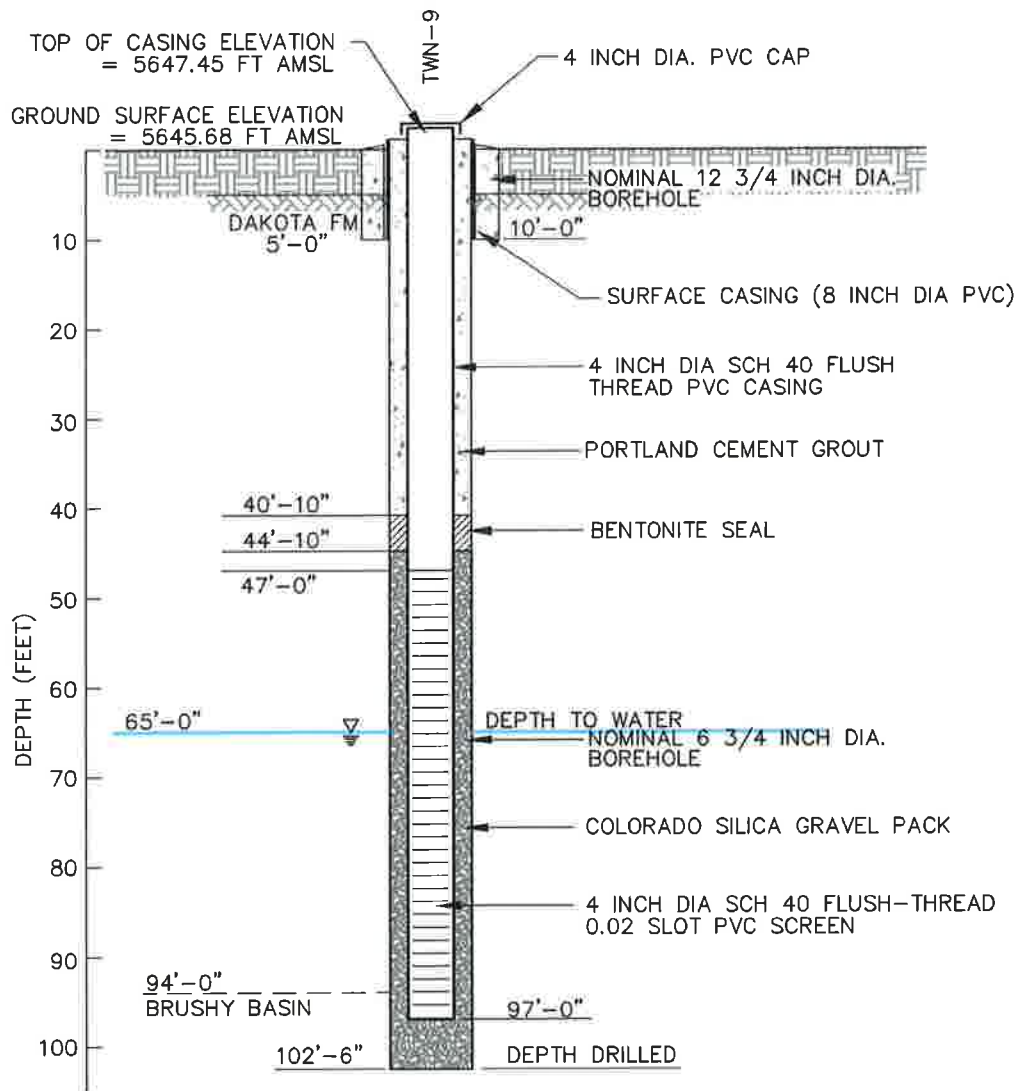
Date 8-19-09 Geologist L. Casabolt Drilling Co. Bayles Exploration, Inc. Hole No. TWN-8
 Property White Mesquite Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 2 OF 2
 T.D. PROBE 150.0
 T.D. DRILL 150.0
 FLUID LEVEL _____

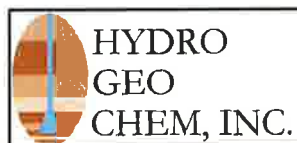
DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARINA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR	WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT BOND	IRON OXIDE	AMOUNT	HABIT	PYRITE		NON-METALLIC	REACT. TO HCL	AMOUNT	TYPE	CARBON	REMARKS
																ALTER	METALLIC						
125.0																							
127.5						qtz ss	wh	f	m	m	Δ						N						
130.0						qtz ss	wh	f	m	Δ							N						
132.5						qtz ss	wh	vf	f	m	Δ						N						
135.0						qtz ss	wh	vf	f	m	Δ						N						
137.5						qtz ss	vltgy	vf	f	m	Δ						N						
140.0						qtz ss	vltgy	vf	f	m	Δ						N						
142.5						qtz ss sh	vltgy	vf	f	m	Δ						N						
145.0						sh	gy-rdbn										N					Upper Brushy Basin fm contact at 142.5'	
147.5						sh	rdbn-ppbn										N						
150.0						sh	gy										N						
T.D.																							

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



TWN-9
AS-BUILT WELL CONSTRUCTION SCHEMATIC

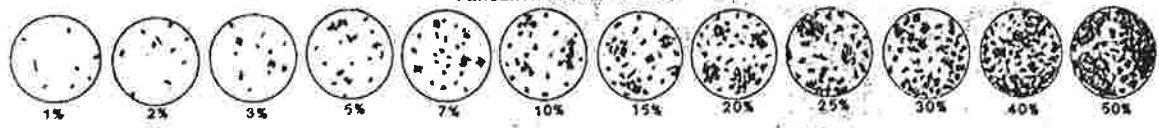
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180230A	10

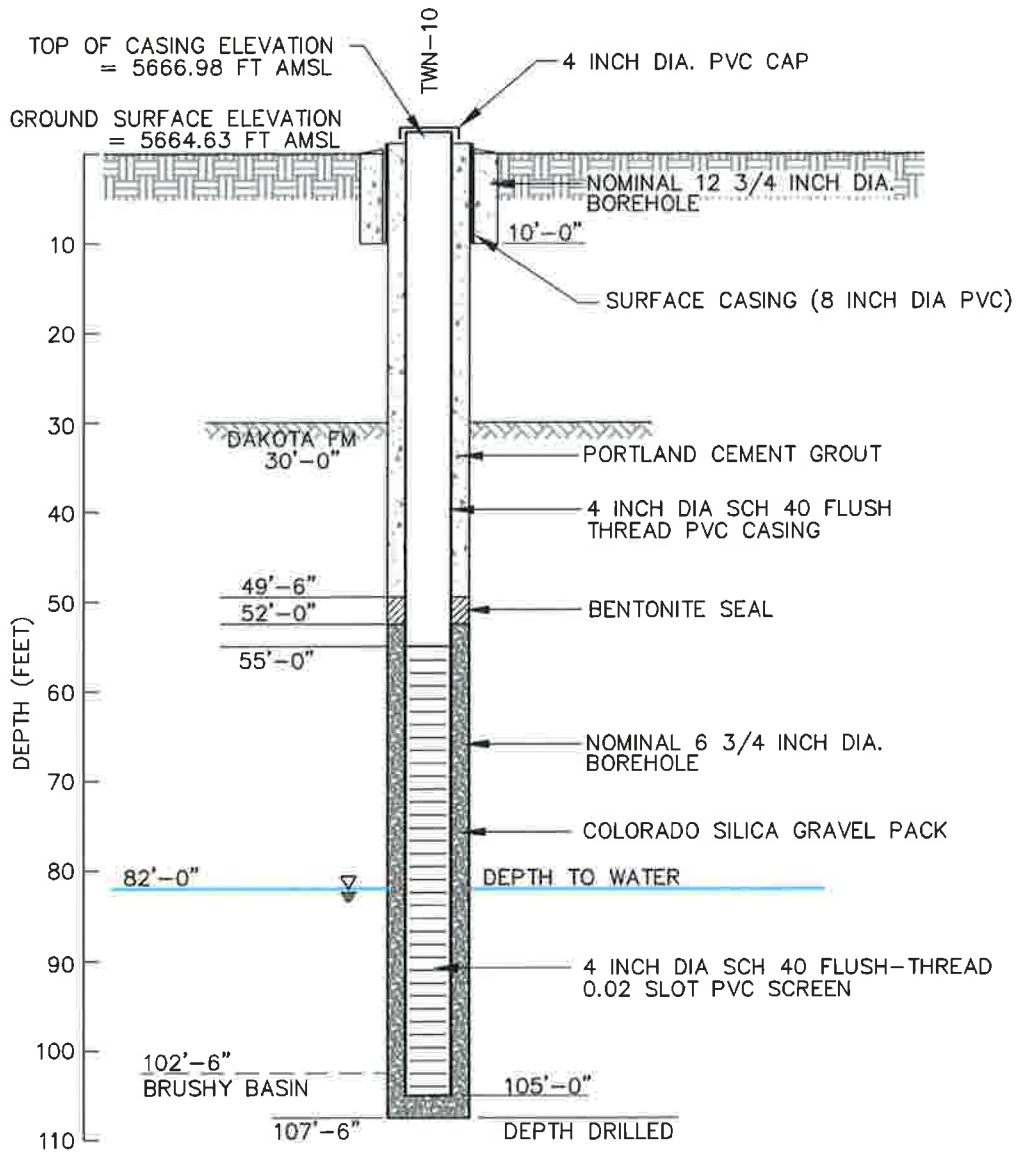
Date B-17-09 Geologist L. Casabalt Drilling Co. Bayles Exploration Hole No. TWN-9
 Property White Mesa Project Strata Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR	WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	AMOUNT	HABIT	PYRITE	ALTER.	METALLIC	NON-METALLIC	REACT-10% HCL	AMOUNT	10% HCL	TYPE	REMARKS
0						sh	lt p.ktn																	
2.5						sandy sh	lt p.ktn	f m p a																
5.0						qtz ss	tn	f m p a	L															Top of Dakota Fm @ 5.0 ft.
7.5						qtz ss	tn	f-cr p a																
10.0						qtz ss	tn	m-cr p a																
12.5						qtz ss	tn	m-cr p a																
15.0						qtz ss	dktn	m-cr p a																
17.5						qtz ss	dktn	m-cr p a																
20.0						qtz ss	dktn	m-cr p a																
23.5						qtz ss, sh	tn-dkgy	m-cr p a																
25.0						qtz ss	tn	m-cr p a																
27.5						qtz ss	tn	f-m m r																
30.0						sh	dkgy																	
32.5						sh, qtz ss	dkgy-gy	f-m m a																
35.0						qtz ss	tn	m-cr m r																
37.5						qtz ss, sh	gytn	f-cr p a																
40.0						qtz ss	lttn	m-cr m r																Some chert grains
42.5						qtz ss, sh, cgl	dkgy	f-pel p a	L															
45.0						qtz ss, cgl	gytn	m-pel p a																very abund. chert frags + pebbles.
47.5						qtz ss, cgl	gytn	m-pel p a																" " " "
50.0						qtz ss, cgl	tn	m-pel p a																Some chert frags + pebbles.
52.5						qtz ss	orin	m-cr p a																
55.0						qtz ss, cgl	gytn	m-cr p a																abund. chert pebbles + fragments.
57.5						qtz ss, cgl	gytn	m-pel p a																" " " "
60.0						qtz ss, cgl	gytn	m-pel p a																" " " "
62.5						qtz ss	tn	f-m m r																
65.0						qtz ss	tn	m-cr m r																
67.5						qtz ss	lttn	m-cr r																
70.0						qtz ss, cgl	tn-dkbn	f-pel p a																
72.5						qtz ss, cgl	tn	f-pel p a																
75.0						qtz ss	tn	m-cr r																
77.5						qtz ss, cgl	tn	f-pel p a																abund. chert frags + pebbles.
80.0						qtz ss, cgl	tn	m-pel p a																"
82.5						qtz ss, cgl	gytn	m-pel p a																
85.0						qtz ss, cgl	gytn	m-pel p a																
87.5						qtz ss, cgl	gytn	m-pel p a																
90.0						qtz ss, cgl	gytn	m-pel p a																
92.5						qtz ss, cgl	gytn	m-pel p a																
95.0						qtz ss, cgl	gytn	m-pel p a																
97.5						qtz ss, cgl	gytn	m-pel p a																
100.0						qtz ss, cgl	gytn	m-pel p a																
102.5						qtz ss, cgl, sh	gytn-gn	f-pel p a																Brushy Bas. Ct. @ 94.0'
105.0						sh	gn																	
107.5						sh	gn																	
110.0						sh	gn-ppbn																	
112.5																								
115.0																								
117.5																								
120.0																								
122.5																								
125.0																								

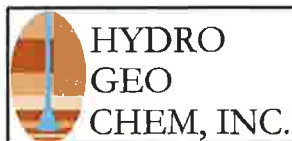
PAGE 1 OF 1
 T.D. PROBE _____
 T.D. DRILL 162.5
 FLUID LEVEL _____

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



**TWN-10
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

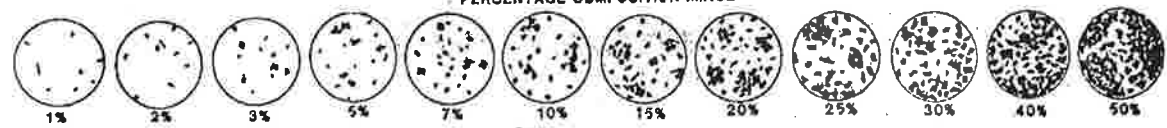
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180231A	11

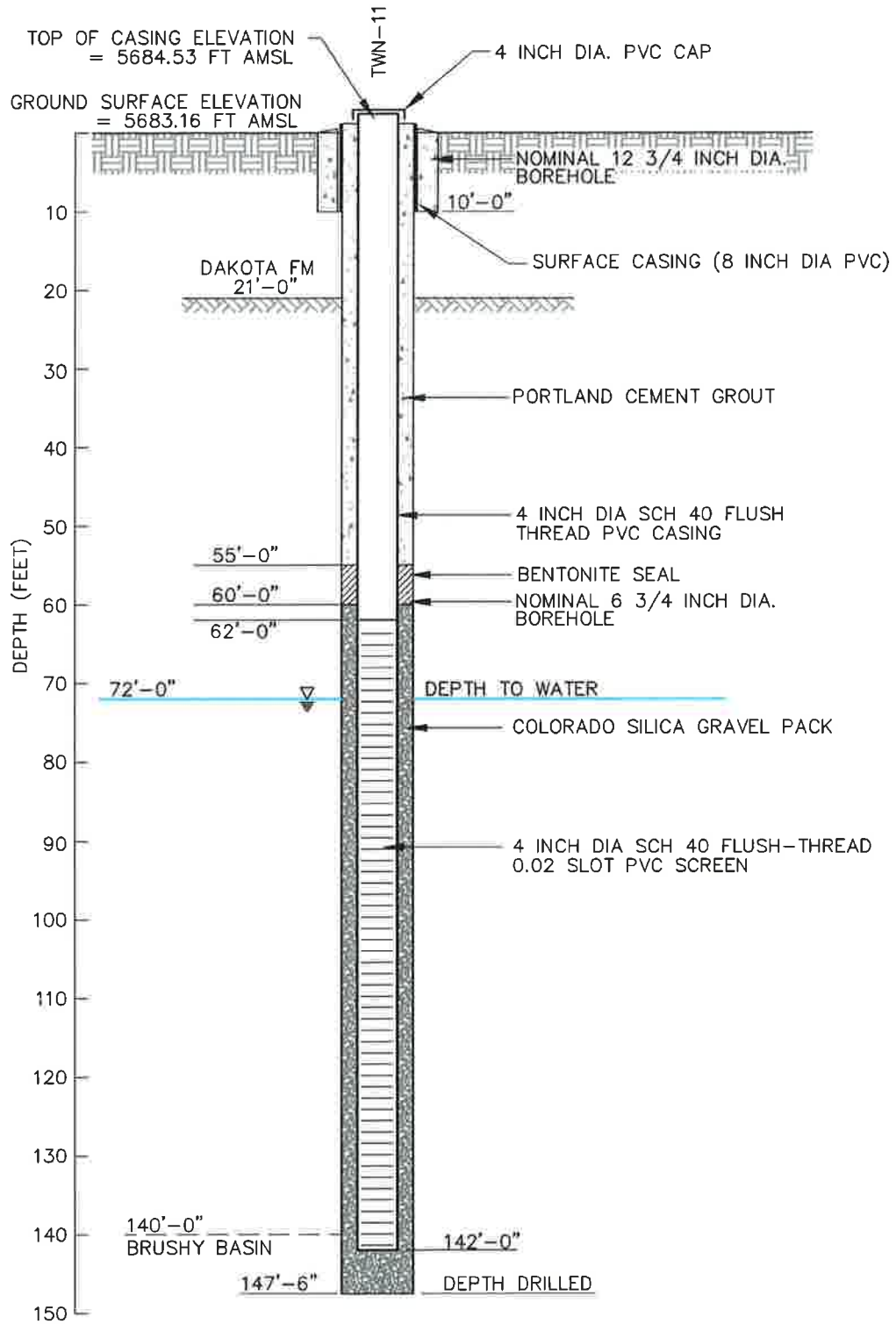
Date 8-17-09 Geologist L. Casbolt Drilling Co. Bayles Exploration, Inc. Hole No. TWN-10
 Property White Mesa Mill Project STRATE Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF 1
 T.D. PROBE 107.5
 T.D. DRILL 107.5
 FLUID LEVEL _____

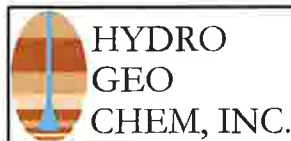
DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	SANDY ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR	WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	PYRITE	METALLIC	NON-METALLIC	REACT-10% HCL	AMOUNT	TYPE	CARBON	REMARKS	
																						HABIT
0																						
2.5						silt. mdsf	rdbn								S							Surface soil
5.0						silt. mdsf	rdbn								S							Surface soil
7.5						sandy sh	tn	f-m	P	a					VS							Minors sh contact at 5.0'
10.0						sh	ywbn								VS							
12.5						sh	ywbn								VS							
15.0						sh	ywbn								S							
17.5						sh	ywbn								M							
20.0						sh	ywbn								W							
22.5						sh	ywbn								W							
25.0						sh	ywbn-gy								W							
27.5						sh	ywbn-gy								N							
30.0						sh	ywbn-gy								N							
32.5						qtz ss	tn	f-cr	m	r					N							Upper Dakota fm contact @ 30.0'
35.0						qtz ss	tn	f-cr	m	r	L				N							
37.5						qtz ss sh	tn-blk	m-cr	m	r					N							
40.0						sh	dkgy								N							
42.5						sh, qtz ss	dkgy-tn	f-m	m	a	L				N							
45.0						qtz ss, sh	tn-dkgy	m-pb	P	a					N							Some chert pebbles & frags
47.5						qtz ss, sh	tn	f-pb	P	r					N							
50.0						qtz ss, sh	tn	m-pb	P	r					N							abund " " "
52.5						qtz ss, sh	tn-gy	m-pb	P	a					N							" " " "
55.0						qtz ss, sh	tn	m-pb	P	r					N							" " " "
57.5						qtz ss, sh	tn	m-pb	P	r					N							" " " "
60.0						qtz ss	tn	f-cr	m	r					N							
62.5						qtz ss	tn	f-m	m	a					N							
65.0						qtz ss, sh	tn-gy	f-ver	P	a					N							
67.5						sh	gy								N							
70.0						sh	gy-pdrbn								N							
72.5						sh	gy-pdrbn								N							
75.0						sh, qtz ss, sh	gy-gn-hn	m-pb	P	a					N							
77.5						qtz ss, sh	tn	m-cr	m	a					N							
80.0						qtz ss	tn	f-cr	m	a					N							
82.5						qtz ss	tn	m-ver	m	a					N							abund chert grains and frags.
85.0						qtz ss	tn	m-ver	m	a					N							
87.5						qtz ss	tn	f-m	m	r					N							
90.0						qtz ss	tn	f-m	m	r					N							
92.5						qtz ss	tn	f-m	m	r					N							mixture @ 92.5
95.0						qtz ss	tn	m-ver	m	r					N							Begin H ₂ O injection
97.5						qtz ss, sh	vtggy	f-cr	P	a					N							
100.0						qtz ss	wh-vtgy	f-m	m	a					N							
102.5						qtz ss	vtgy	vf-f	m	a					N							Begin H ₂ O cl @ 102.5
105.0						sh	gn-rdbn								N							
107.5						sh	gn								N							T.D.

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



**TWN-11
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

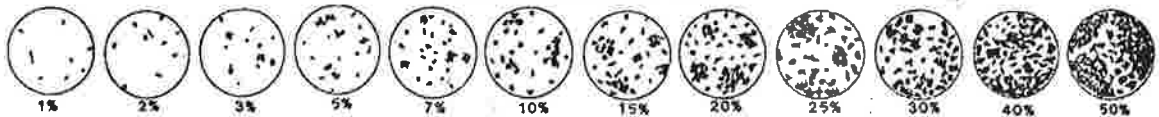
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180232A	12

Date 9-29-2009 Geologist L. Casbolt Drilling Co. Bayles Exploration Inc. Hole No. TWN-11
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF 2
 T.D. PROBE _____
 T.D. DRILL 1475
 FLUID LEVEL _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR	WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	PYRITE	HABIT	METALLIC	NON-METALLIC	REACT-100% HCL	AMOUNT	TYPE	CARBON	REMARKS
0																							
2.5						silt, mudst	rdbn										W						Surface Soil
5.0						silt, mudst	rdbn										S						Surface Soil
7.5						silt, sh	rdbn-ywbn										VS						Color change, Mancos Sh @ approx 6'
10.0						sh/gt ss	ltbn	f. m	P	a		L					VS						
12.5						qtz ss sh	ltbn	f. m	P	a		L					S						
15.0						sh	dkgybn										S	F					trace carbonaceous frags.
17.5						sh	dkgybn										N	A					abund. " "
20.0						sh	dkgybn										U	FR					trace " "
22.5						qtz ss sh	gybn	f. m	P	r							N						Top Dakota Ev @ approx 21.0'
25.0						qtz ss	gybn	f. m	P	a							N						
27.5						qtz ss	tn	f. m	P	a							N						
30.0						qtz ss	tn	f. m	P	r							N						
32.5						qtz ss sh	tn	f. m	P	a							N						
35.0						qtz ss sh	tn/gy	f. m	P	a							N						
37.5						qtz ss	tn	f. m	P	a							N						
40.0						qtz ss	lttn	f	P	a							N						
42.5						qtz ss	ortn	f	P	a		L					N						
45.0						qtz ss	ltbn	f	P	a		L					N	FR					
47.5						qtz ss	ltbn	f	P	a							N	FR					moisture first noted @ 47'
50.0						cl/gt ss	ltgybn	m. var	P	a		L					N	FR					Begin H ₂ O level @ 47.5' to carbonaceous frags.
52.5						egl qtz ss	ltgybn	m. var	P	a							N						abund. chert frags & pebbles.
55.0						qtz ss cgl	lttn	m. var	P	a							N						some chert frags & pebbles.
57.5						qtz ss qtz st	lttn	vf. m	P	a							N						
60.0						qtz ss sh	lttn	vf. m	P	a							N						
62.5						qtz ss cgl	tnbn	m. var	P	r							N						some multi colored chert frags. & grains
65.0						qtz ss	tn	m. var	P	r							N						" " " " " grains
67.5						qtz ss	tn	m. var	P	r							N						" " " " " "
70.0						qtz ss	tn	m. var	P	r							N						" " " " " "
72.5						qtz ss cgl	tn	m. var	P	r							N						" " " " " "
75.0						cgl, qtz ss	ltorn	m. var	P	a							N						abund. " " " " frags, pebbles.
77.5						qtz ss cgl	wh-ittn	m. var	P	a							N						" " " " " "
80.0						qtz ss	tn	m. cr	P	r							N						" " " " " grains
82.5						qtz ss	tn	m. cr	P	r							N						" " " " " "
85.0						qtz ss	ltgy	vf. f	P	a							N						sparse chert grains
87.5						qtz ss	ltgy	vf. f	P	a							N						
90.0						qtz ss	ltgy	vf. f	P	a							N						
92.5						qtz ss sh	ltgy	vf. f	P	a							N						
95.0						qtz ss	ltgy	vf. f	P	a							N						
97.5						qtz ss	wh	vf. f	P	a							N						
100.0						qtz ss	wh	vf. f	P	a							N						
102.5						qtz ss	wh	vf. f	P	a							N						Trace of pyrite grains
105.0						qtz ss	wh	vf. f	P	a							N						
107.5						qtz ss	wh	vf. f	P	a							N						
110.0						qtz ss	wh	f. m	P	a							N						some aggregates of pyrite
112.5						qtz ss	wh	f. m	P	a							N						
115.0						qtz ss	wh	f. m	P	a							N						
117.5						qtz ss	wh	f. m	P	a							N						
120.0						qtz ss	wh	f. m	P	a							N						
122.5						qtz ss	wh	f. m	P	a							N						Tr of pyrite aggregate
125.0						qtz ss	wh	f. m	P	a							N						

PERCENTAGE COMPOSITION IMAGE

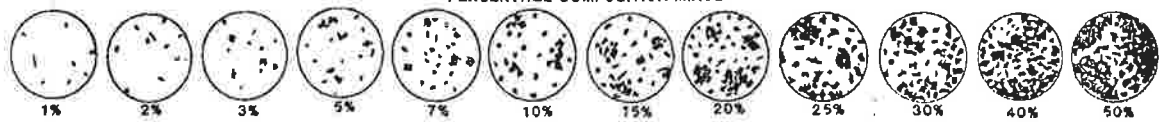


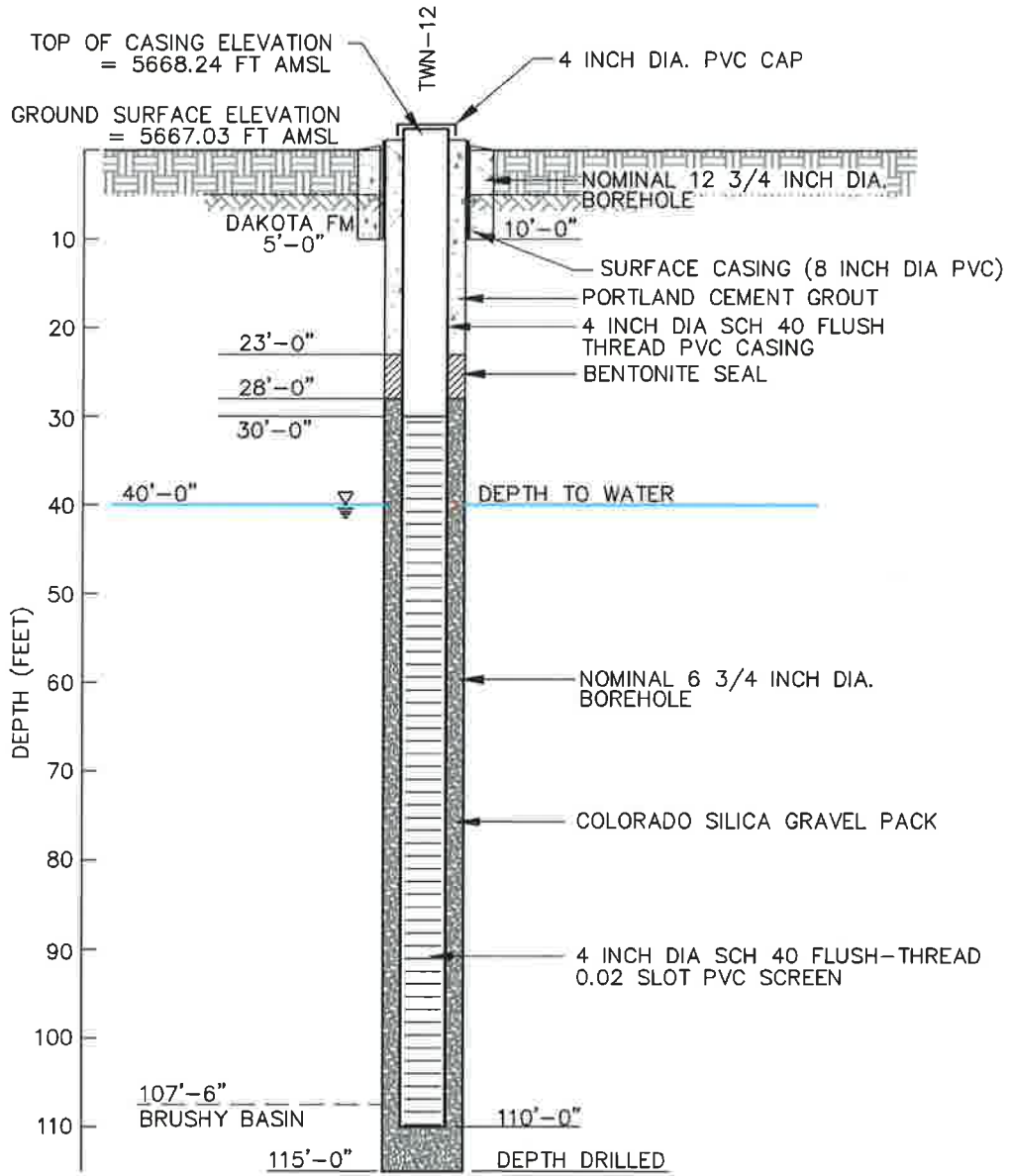
Date 9-29-89 Geologist L. Casebolt Drilling Co. Bayles Explorativa, Inc. Hole No. TWNT-11
 Property White Mesa Mill Project Nitrate Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	FRECCIA PIPE	LITHOLOGY	COLOR	WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	HABIT	PYRITE		NON-METALLIC	REACT-10% HCL	AMOUNT	TYPE	CARBON	REMARKS
																ALTER.	METALLIC						
0																							
127.5						qtz ss	wh	f. m	sh	a							N						
130.0						qtz ss	wh	f. m	sh	a							N						
132.5						qtz ss cgl	Hgt	m	sh	a							N						abund. chert fragments and pebbles
135.0						qtz ss sh	Hgt	f. r	sh	a							N						
137.5						qtz ss	Hgt	v. f			L						N						
140.0						qtz ss	Hgt	v. f			L						N						
142.5						sh	gy-rdbn										N						Brushy Basin (X) @ 140.0'
145.0						sh	gy-rdbn										N						
147.5						sh	rdbn										N						T.D.

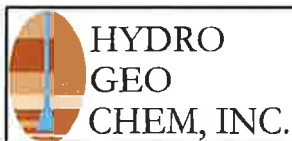
PAGE 2 OF 2
 T.D. PROBE _____
 T.D. DRILL 147.5
 FLUID LEVEL 608'

PERCENTAGE COMPOSITION IMAGE



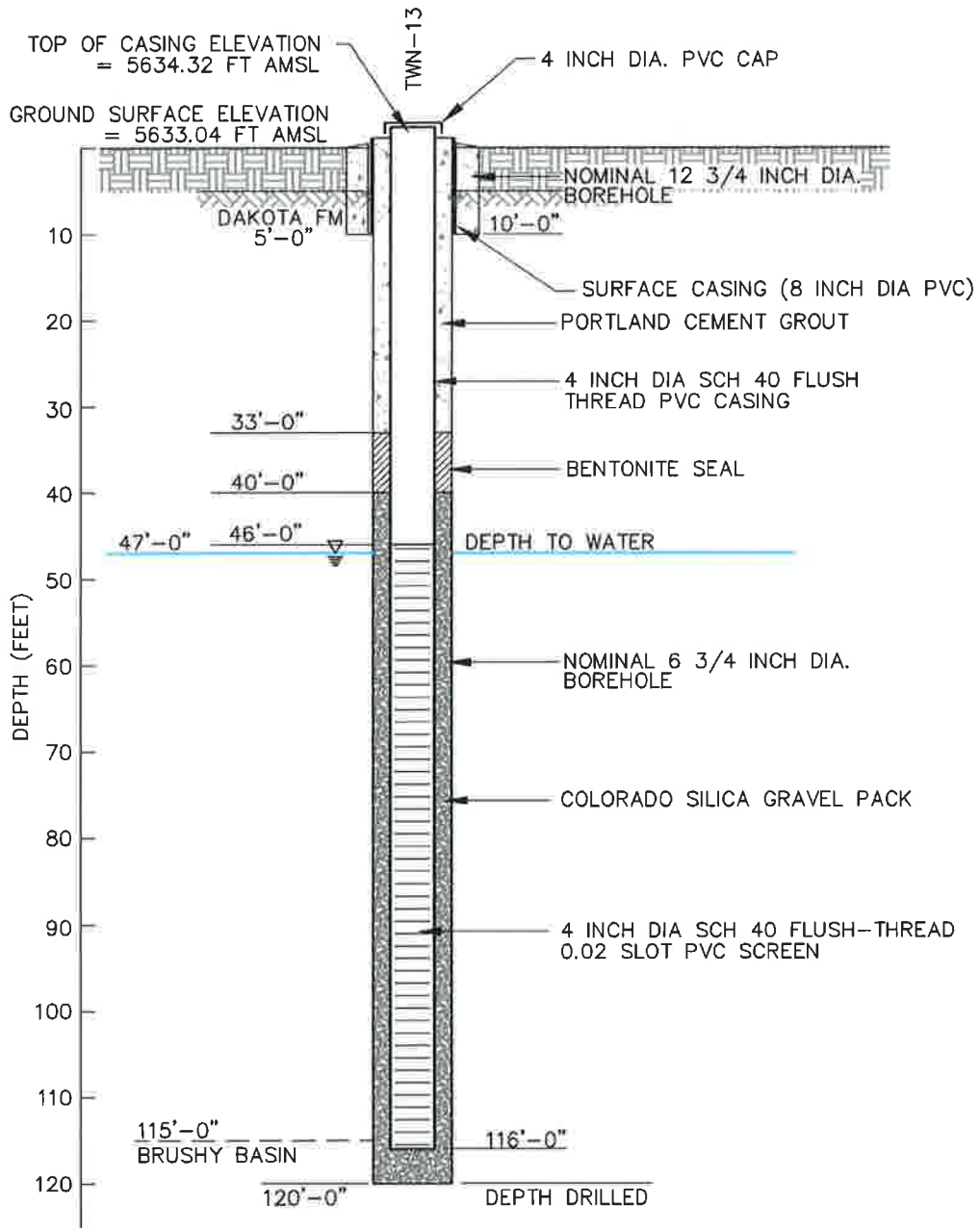


NOT TO SCALE



**TWN-12
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180233A	13



NOT TO SCALE



**TWN-13
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

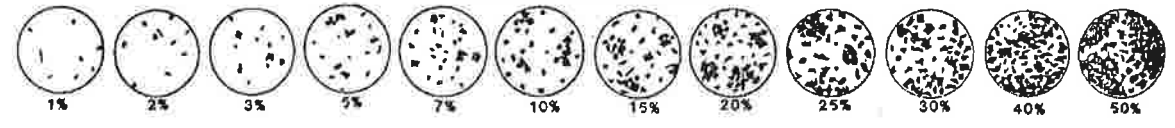
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180234A	14

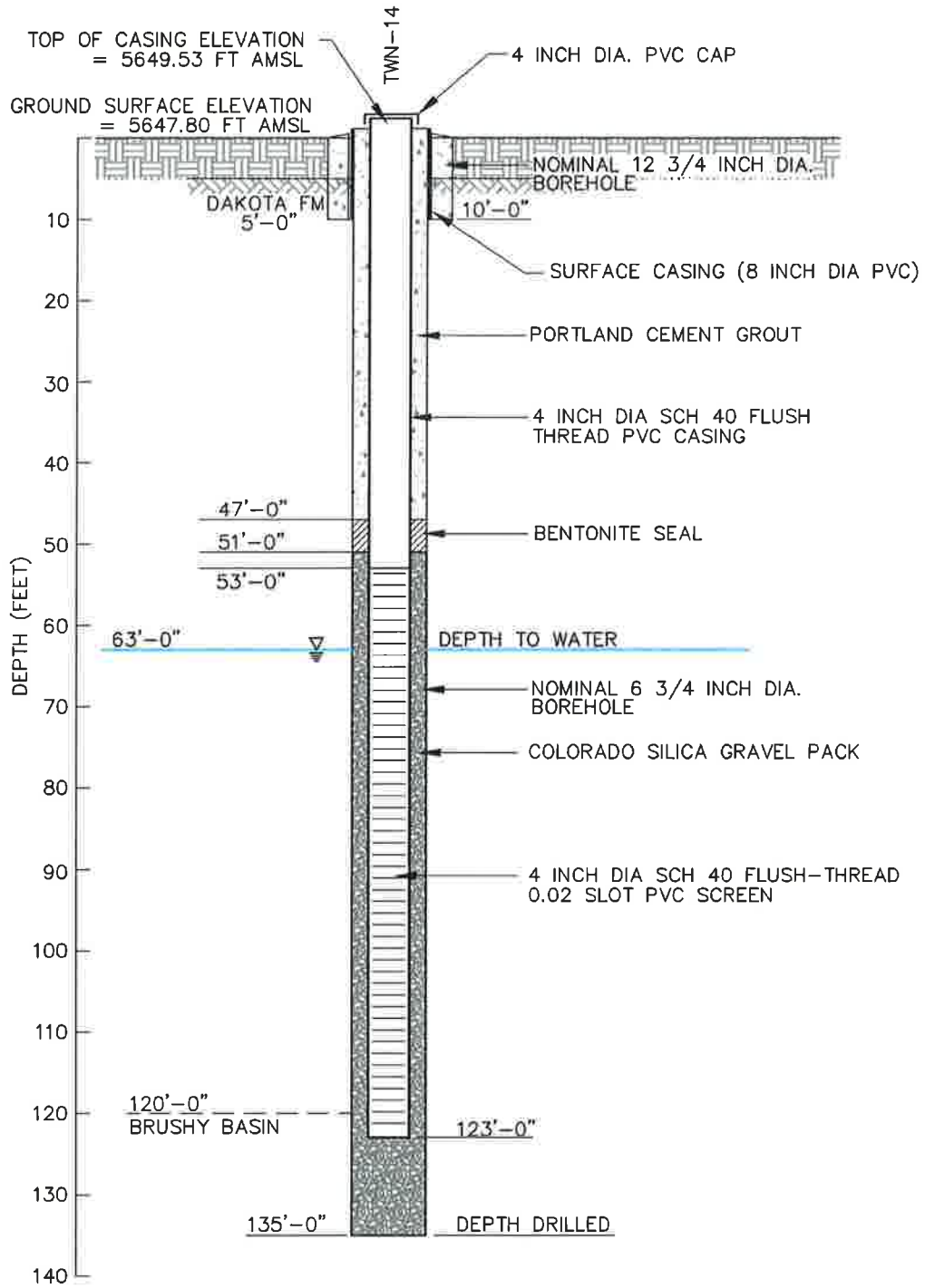
Date 9-30-09 Geologist L. Casabolt Drilling Co. Bayles Exploration, Inc. Hole No. TWN-13
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARRETT ANOMALY	BREGCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	GENERAL MATRIX	IRON OXIDE	PYRITE	METALLIC	NON-METALLIC	REACT-10% HCL	AMOUNT	TYPE	CARBON	REMARKS	
																					AMOUNT
0																					
2.5						siltst mdst	lt rdbn							S							Surface soil
5.0						siltst mdst	rd bn							S							Surface Soil
7.5						qtz ss	rd bn	f m	o					S							Top of Dakota @ 5.0'
10.0						qtz ss	lt tn	f	o					N							
12.5						qtz ss, sh	dk ywgy	f m	o					N							
15.0						sh qtz ss	dk ywgy	f m	o					N							
17.5						qtz ss	tn	vf m	o					N							
20.0						qtz ss	tn	f m	o	L				N							
22.5						qtz ss	tn	f m	r					N							
25.0						qtz ss	lt tn - tn	f vcr	o					N							some chert grains
27.5						qtz ss	tn	f vcr	o					N							" " "
30.0						qtz ss, cgl	vlt tn - tngy	m - cr	o					N							abund. chert frags + pebbles.
32.5						qtz ss	vlt tn	m - cr	r					N							
35.0						qtz ss, cgl	tn - gy	m - cr	o					N							some chert frags + pebbles.
37.5						qtz ss	tn	f m	o					N							abund. dk gray chert frags + grains
40.0						qtz ss	tn	m	r					N							
42.5						qtz ss	tn	f m	r					N							
45.0						qtz ss	tn	f m	r					N							
47.5						qtz ss	tn	f vcr	o					N							abund. chert frags + grains
50.0						qtz ss	tn	f vcr	o					N							" " " "
52.5						qtz ss	tn	m - cr	r					N							
55.0						qtz ss	tn	f m	r					N							
57.5						qtz ss, cgl	tn	f vcr	o					N							some chert frags.
60.0						qtz ss, cgl	tn	f vcr	o					N							" " "
62.5						qtz ss, cgl	dk tn	m - cr	o					N							abund. chert frags + pebbles.
65.0						qtz ss, cgl	wh	f vcr	o					N							
67.5						qtz ss	wh	m - cr	r					N							
70.0						qtz ss	vlt tn	m - cr	r					N							
72.5						qtz ss, cgl	arin	m - cr	o					N							abund. chert frags + pebbles.
75.0						sandy sh, cgl	lt gygn	f vcr	o					N							
77.5						qtz ss, siltst	lt gygn	f vcr	o					N							
80.0						qtz ss, siltst	wh - gy	vf - cr	o					N							
82.5						qtz ss, siltst	wh - lt tn	m - cr	o					N							
85.0						qtz ss, siltst	wh - lt tn	f m	o					N							
87.5						siltst, qtz ss	gy - rdbn	vf m	o					N							
90.0						sandy siltst	gy - rdbn	vf m	o					N							
92.5						sandy sh	wh, gy - rdbn	vf - cr	o					N							some chert frags + pebbles.
95.0						sh, qtz ss	wh, rdbn	m - cr	r					N							
97.5						sh, qtz ss	rdbn - gy	m - cr	r					N							
100.0						qtz ss - sh	rdbn - wh	f vcr	o					N							
102.5						qtz ss, cgl	wh	f vcr	o					N							very abund. chert frags + pebbles
105.0						cgl	wh - lt tn	m - cr	o					N							" " " " "
107.5						cgl	tn	f vcr	o					N							" " " " "
110.0						cgl	tn - gy	m - cr	o					N							" " " " "
112.5						qtz ss, cgl	wh - gyrd	f vcr	o					N							" " " " "
115.0						qtz ss, siltst	wh - lt tn	vf - cr	o					N							
117.5						sh	gy - rdbn							N							Upper Brushy Basin contact @ 115.0 ft.
120.0						sh	gy - rdbn							N							
T.D.																					

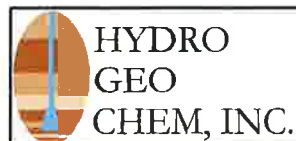
PAGE 1 OF 1
 T.D. PROBE _____
 T.D. DRILL 120.0
 FLUID LEVEL _____

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



**TWN-14
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

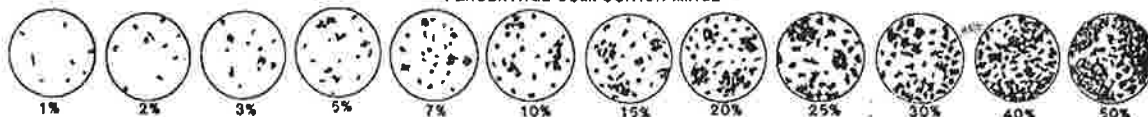
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180235A	15

Date Sept 28 2009 Geologist L. Casebolt Drilling Co. Buyles Exploration, Inc. Hole No. TWN-14
 Property White Mesa Mill White Mesa Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF 2
 T.D. PROBE _____
 T.D. DRILL 135.0
 FLUID LEVEL _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARRELS PROXIMALLY BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	PYRITE	METALLIC	REACT. TO HCL	AMOUNT	TYPE	REMARKS
0																	
2.5					sndylstst rdbrn								N				Surface soil
5.0					sndylstst rdbrn								S				Surface soil
7.5					qtz ss tnbrn	or p a	L						S				Color change at 5.0' qtz ss tnbrn top of Dakota fm.
10.0					sh vdk gy								N				
12.5					sh-qtz ss vdkgy-tn	f. or p a	L						N				
15.0					qtz ss lt tn	f. m m r	L						N				
17.5					qtz ss lt tn	f. m m r	L						N				
20.0					qtz ss lt gy tn	f. m m r	L						N				
22.5					qtz ss-sh tn-ltgy	f. m m r	L						N				
25.0					qtz ss-sh tn-gy	f. m m r	L						N				carbonaceous fragments
27.5					qtz ss-sh tn-gy	f. m m r	L						N				spars carbonaceous fragments
30.0					qtz ss-sh tn-gy	vf. m m r	L						N				
32.5					qtz ss vltgytn	m-or m r	L						N				spars gy chert frags.
35.0					qtz ss gytn	m-ver m r	L						N				abund. chert frags.
37.5					qtz ss gytn	m-ver w r	L						N				" " "
40.0					qtz ss tn	f-ver m r	L						N				" " "
42.5					qtz ss tn	f-m m r	L						N				" " "
45.0					qtz ss-silt wh-lttn	vf-f m r	L						N				some gray chert frags
47.5					qtz ss vlttn	m w r	L						N				some multicolored chert frags. + grains
50.0					qtz ss vlttn	m w r	L						N				abund. " " " "
52.5					qtz ss vlttn	f-m m r	L						N				some " " " grains
55.0					qtz ss vlttn	f-m m r	L						N				" " " " "
57.5					qtz ss vlttn	f-m m r	L						N				some angular chert frags.
60.0					sh ltgy-gy								N				
62.5					sh-siltst gy-dkgy								N				
65.0					sh-siltst ss gy	f-m m r	L						N				
67.5					qtz ss wh-vltgy	vf-m m r	L						N				abund multicolored chert grains
70.0					qtz ss lt tn	vf-m m r	L						N				
72.5					qtz ss ltgytn	f-m m r	L						N				abund dkgy chert grains
75.0					qtz ss tn	f-ver m a	L						N				" multicolored chert grains
77.5					qtz ss-cgl tn-ltgy	f-ver p a	L						N				" " " " " and frags.
80.0					qtz ss-cgl ltngy	f-ver p a	L						N				" " " " " " "
82.5					cgl-qtz ss gytn	f-peb p a	L						N				abund dkgy chert pebbles + frag.
85.0					cgl-ss-sh tn-gytn	f-peb p a	L						N				" " " " " "
87.5					qtz ss-sh wh-ltgn	f-m m a	L						N				some chert grains.
90.0					qtz ss wh-ltgn	vf-f m a	L			sp e			N				some chert grains. sparse disseminated pyrite
92.5					qtz ss wh	vf-f m a	L			sp e			N				some disseminated pyrite
95.0					siltst-sh-ss gnrdbrn-wh	vf-f m a	L						N				
97.5					siltst-sh gnrdbrn								N				
100.0					siltst-ss wh-ltgn	vf-f m a	L						N				
102.5					qtz ss-sh wh-ltgn	vf-f m a	L						N				
105.0					qtz ss-sh wh-vltgn	vf-f m a	L						N				
107.5					qtz ss-siltst wh-gn-rdbrn	vf-f m a	L						N				
110.0					siltst-sh ggn-rdbrn								N				some apparent slickenside surfaces
112.5					siltst-sh tn-rdbrn	peb	P						N				chert pebble
115.0					sh rdbrn								N				
117.5					sh-cgl ss ltgn	peb	P						N				chert pebbles.
120.0					cal ss dk tn	f-peb	P			sp e			N				abund chert pebbles + frag. some dissem. pyrite
122.5					siltst ss ltgn-rdbrn	vf-f m a	L						N				Upper Bunsby Basin at # 120.0
125.0					siltst ltgn-rdbrn								N				

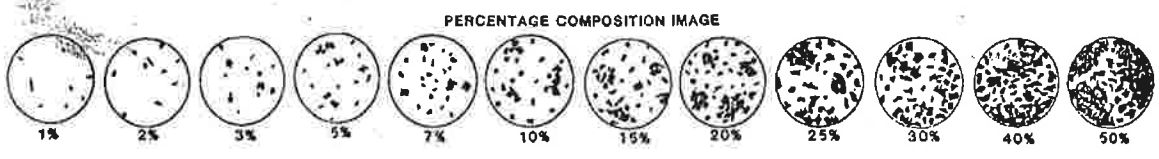
PERCENTAGE COMPOSITION IMAGE

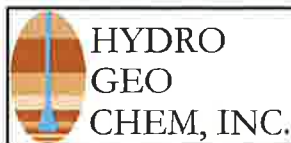
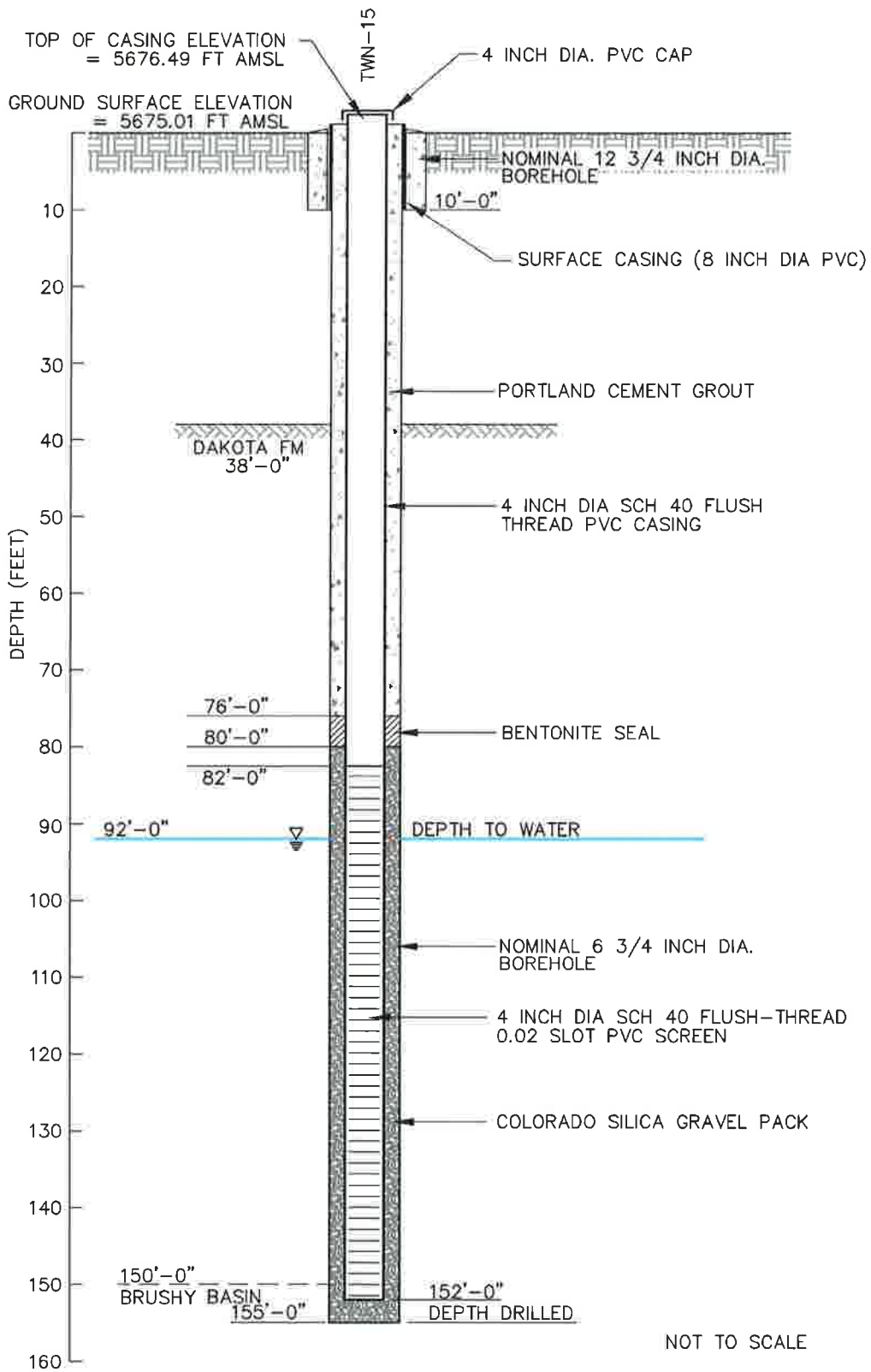


Date Sept 28, 2009 Geologist L. Casabalt Drilling Co. Payles Exploration, Inc. Hole No. TWN-14
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	AMOUNT	HABIT	PYRITE		NON METALLIC	REACT. 10% HCL	AMOUNT	TYPE	CARBON	REMARKS
															ALTER	METALLIC						
125.0						siltst	ltgy-rdbn									N						
127.5						siltst	gy gn-rdbn									N						
130.0						Sh	rd bn-eggn									N						
132.5						Sh, glass	rd bn-wh									N						T.D.
135.0																						

PAGE 2 OF 2
 T.D. PROBE _____
 T.D. DRILL 135.0
 FLUID LEVEL _____





**TWN-15
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

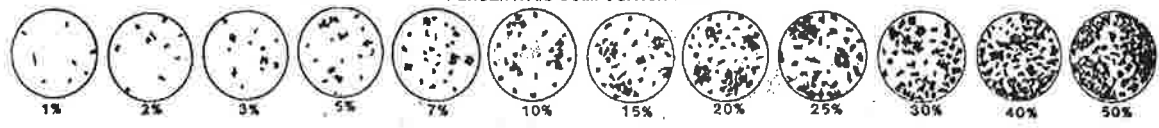
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180236A	16

Date 12-1-09 Geologist L. Casabolt Drilling Co. Boyles Exploration, Inc. Hole No. TWN-13
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF 2
 T.D. PROBE _____
 T.D. DRILL 155
 FLUID LEVEL 84

DEPTH	SAMPLE TAKEN	ALTERNATION	LITHOLOGY	COLOR	WEIGHT	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	MATRIX	IRON OXIDE	AMOUNT	PYRITE		METALLIC	NON-METALLIC	REACT-10% HCL	AMOUNT	TYPE	CARBON	REMARKS	
													HABIT	ALTER								
0																						
2.5			stst, mdst	rd bn											W							Surface Soil
5.0			stst, mdst	rd bn											VS							Surface soil
7.5			stst, mdst	rd bn											VS							Surface soil
10.0			stst, mdst	rd bn											VS							Surface soil
12.5			stst, sh	rd bn ywbn											VS							color change ywbn Mancos Sh @ 12.0'
15.0			sh	ywbn											S							
17.5			sh	ywbn											S							
20.0			sh	ywbn											S							
22.5			sh	ywbn											S							
25.0			sh	ywbn											S							
27.5			sh	ywbn-gy											N							
30.0			sh	ywbn-gy											N							
32.5			sh	vdkg y											N							
35.0			sh	ywbn-gy											N							
37.5			sh	vdkg ywbn											N							
40.0			qtz ss sh	tn-dkgy	m	m	a	L							N							Upper Dakota cf. @ 38.0'
42.5			qtz ss	tn	m	m	a	L							N							
45.0			qtz ss sh	tn-gy	m	m	a	L							N							
47.5			sh	vdkg y											N							
50.0			sh, qtz ss	bn-vdkg y	m	m	a	L							N							
52.5			qtz ss	gybn	m	cr	p	a							N							
55.0			qtz ss	ywbn	m	cr	p	a							N							
57.5			qtz ss	ywbn	m	cr	p	a							N							
60.0			qtz ss	ywbn	m	cr	p	a							N							
62.5			qtz ss/cgl	ywbn-gy	m	cr	p	a							N							
65.0			qtz ss/cgl	ywbn-tn	m	cr	p	a							N							H ₂ O injection by 12.5 62.5
67.5			sandy sh	lt blk y	vf	f	p	a							N							
70.0			sh	lt blk y	vf	f	p	a							N							
72.5			qtz ss	wh-gy	vf	f	p	a							N							
75.0			qtz ss	wh-rd	vf	f	p	a	H						N							
77.5			qtz ss	ortn	f	m	a	L							N							
80.0			qtz ss	tn	f	m	a	L							N							
82.5			qtz ss	tn	f	m	a	L							N							
85.0			qtz ss	tn	f	m	a	L							N							
87.5			qtz ss	tn	m	m	a	L							N							
90.0			qtz ss	tn	m	m	a	L							N							
92.5			qtz ss	tn	f	m	a	L							N							
95.0			qtz ss/cgl	tn-orn	f	m	a	L							N							some chert frag. & grains
97.5			qtz ss/cgl	tn	m	cr	p	a							N							abund chert frags & pebbles
100.0			qtz ss/cgl	wh Hgy	m	cr	p	a							N							" " "
102.5			qtz ss	lt tn	m	cr	p	a							S							
105.0			qtz ss sh	lt tn-gy	m	cr	p	a							S							
107.5			sandy sh	lt blk y	f	m	p	a							N							
110.0			qtz ss	lt blk y	vf	f	p	a							N							
112.5			qtz ss sh	wh-lt tn	vf	f	p	a							N							
115.0			sandy sh	lt tn	f	m	p	a							N							
117.5			sh, qtz ss	lt tn	f	m	p	a							N							
120.0			qtz ss	lt tn	f	m	p	a							N							
122.5			qtz ss	lt gy	f	m	p	a							N							
125.0			qtz ss	lt gy-tn	m	cr	p	a							N							abund chert pebbles & frags

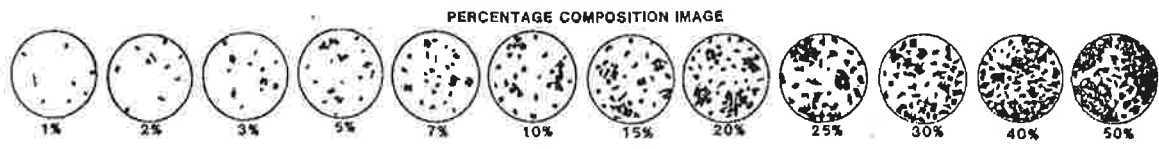
PERCENTAGE COMPOSITION IMAGE

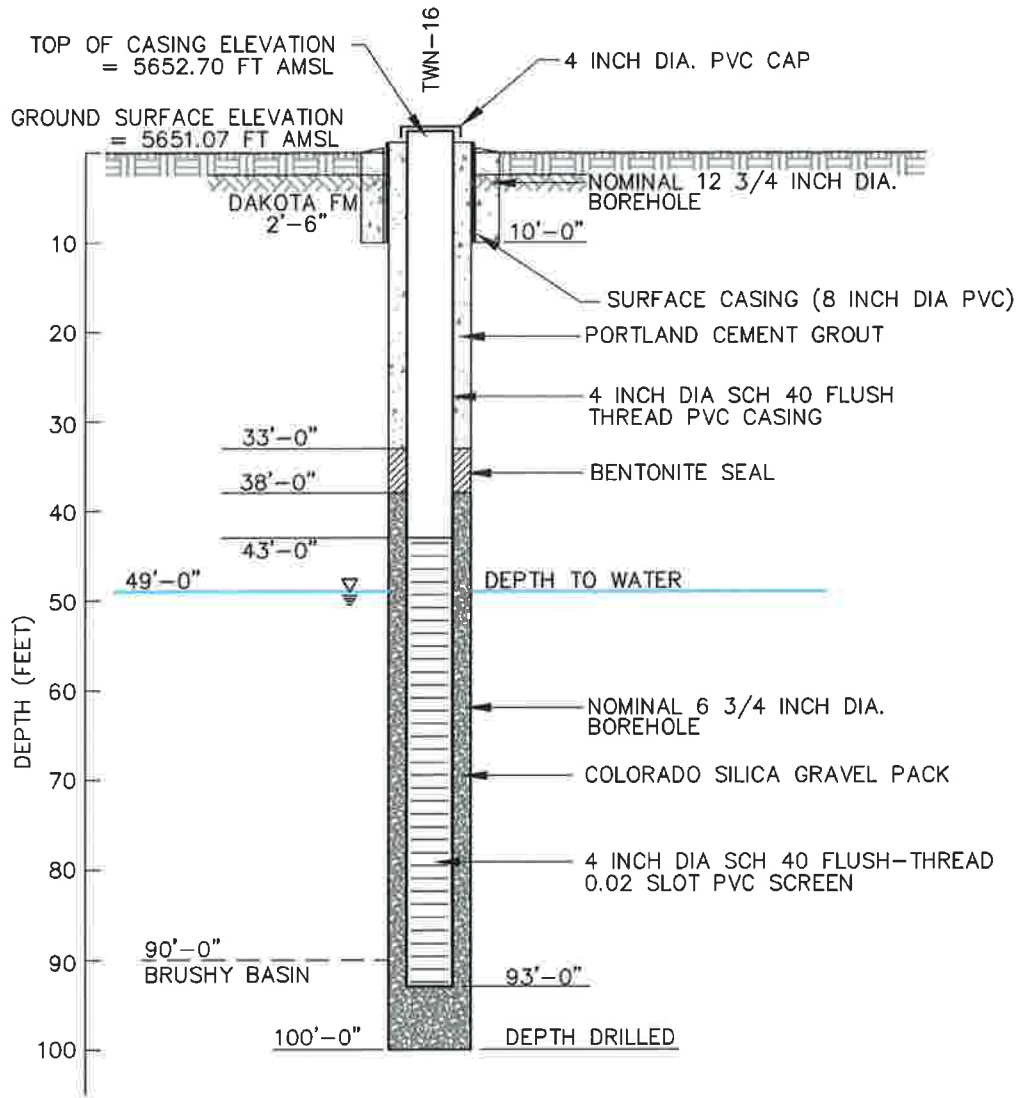


Date 10-1-09 Geologist L. Casabolt Drilling Co. Bayles Exploration, Inc. Hole No. TWN-15
 Property White Mesa mt Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	BIFURCATION PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	HABIT	PYRITE	METALLIC	NON-METALLIC	REACT-10% HCL	AMOUNT	TYPE	REMARKS
0																					
127.5						Chert cgl	cr-ub	2-4	Δ							N					very abundant chert pebbles + frags
130.0						chert cgl	cr-ub	2-4	Δ							N					" " " "
132.5						cgl sh	gr-rdbn	m-ub	Δ							N					" " " "
135.0						sh cgl	gr-rdbn	peb	a							N					" " " "
137.5						sh	gr-rdbn									N					
140.0						siltst	ltgy									N					
142.5						siltst	ltgy-rdbn									N					
145.0						siltst sh	qn-rdbn									N					
147.5						qtz ss siltst	wh-rdbn-gy	f	mf	Δ						N					
150.0						qtz ss	wh-ltgy	vf	f	Δ						N					
152.5						sh	gr-pbn									N					Upper Brushy Basin of E 150.0'
155.0						sh	pb-n-gy									N					
T.D.																					

PAGE 2 OF 2
 T.D. PROBE _____
 T.D. DRILL 155.0
 FLUID LEVEL 29'





NOT TO SCALE



**TWN-16
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180237A	17

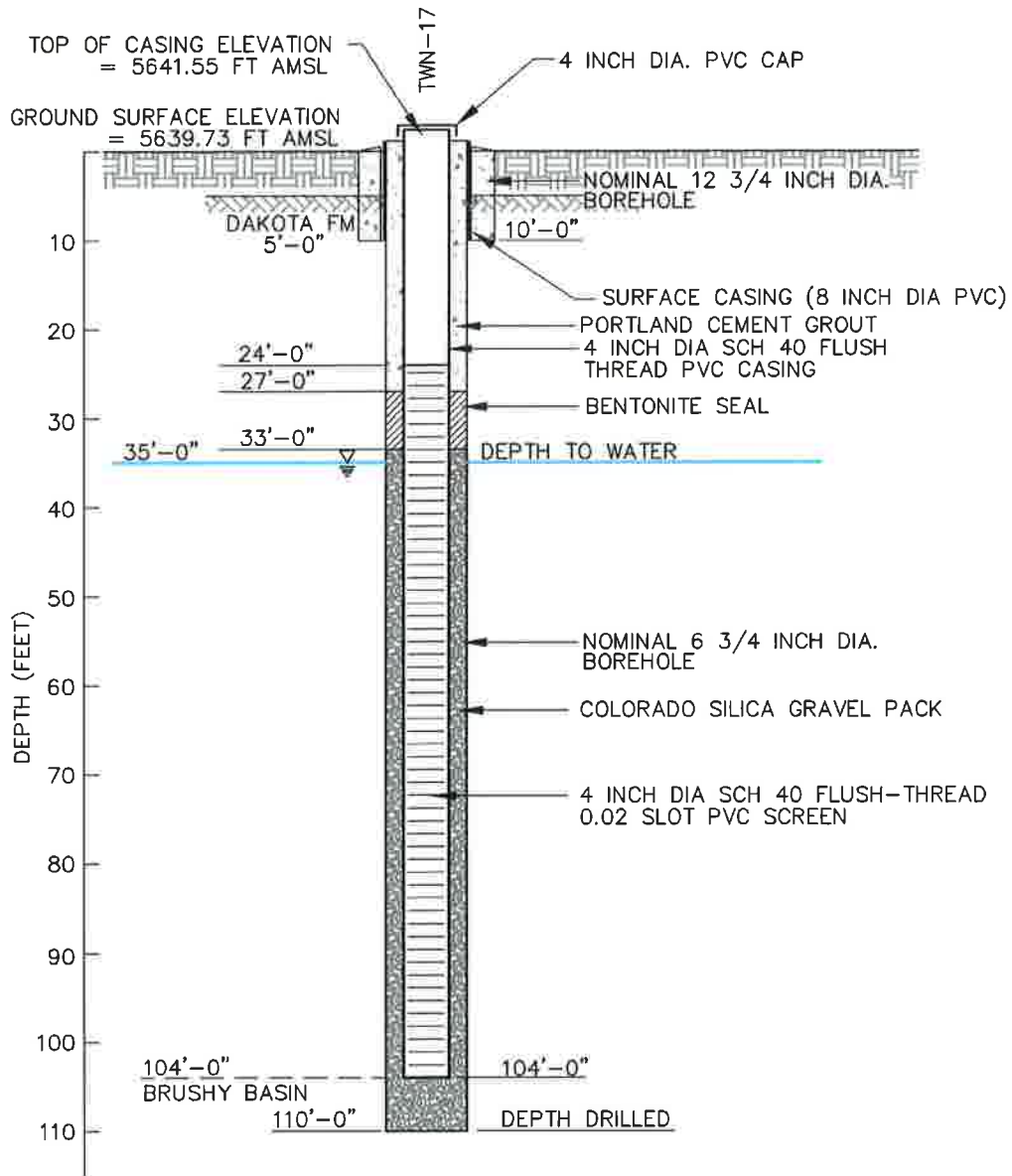
Date 9-30-09 Geologist L. Caswell Drilling Co. Baynes Exploration, Inc. Hole No. TWIN 16
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF _____
 T.D. PROBE _____
 T.D. DRILL 100.0
 FLUID LEVEL _____

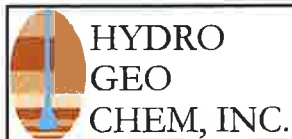
DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	AMOUNT	PYRITE	HABIT	ALTER.	METALLIC	NON-METALLIC	REACT-TOP NL	AMOUNT	TYPE	REMARKS
0																						
2.5						siltst, mdst	rdbn															Surface soil
5.0						qtz ss	tn	M	M	A												Top of Dakota @ 2.5'
7.5						qtz ss	tn	f	m	A												
10.0						qtz ss	tnbn	m	cr	A												
12.5						qtz ss	tn	f	m	A												
15.0						qtz ss	tn	f	m	A												
17.5						qtz ss	tn	m	m	A												150ft in 12.5'
20.0						qtz ss	tn	f	m	A												
22.5						sandy sh	tn	f	m	A												Red in color 20'
25.0						qtz ss	wh-tn	f	m	A	L											
27.5						qtz ss	wh	f	m	A												
30.0						qtz ss	lttn	f	m	A												
32.5						qtz ss	rd-ltgy	vf	f	m	A	H										
35.0						qtz ss	rd-lttn	f	m	A	L											
37.5						qtz ss	yttn	vf	f	m	A											
40.0						qtz ss	lttn	f	cr	P	A											some chert frags.
42.5						qtz ss	tn	f	cr	P	R	L										
45.0						qtz ss, cgl	lttn	m	cr	P	A											some chert fragments + pebbles.
47.5						qtz ss	vlttn	m	cr	R												
50.0						qtz ss	vlttn	m	cr	R												
52.5						qtz ss	vlttn	m	cr	R												
55.0						qtz ss, cgl	ortn	m	cr	P	A											chert frags + pebbles.
57.5						sh, cgl	or-gygn	vf	f	A												" "
60.0						qtz ss, sh, cgl		m	cr	P	A											" "
62.5						qtz ss, sh	vlttn-gy	m	cr	P	A	L										
65.0						qtz ss, sh	tn-ltgy	m	m	A	L											
67.5						qtz ss, cgl	ltgytn	f	cr	P	A											
70.0						qtz ss, cgl	tn	m	cr	P	A											
72.5						qtz ss	tn	f	m	P	A											
75.0						qtz ss	tn	f	m	P	A											
77.5						qtz ss	tn	f	m	M	A											
80.0						qtz ss	tn	m	cr	P	A											
82.5						qtz ss	tn	f	m	M	A											
85.0						qtz ss, cgl	orth-gy	m	cr	P	A											
87.5						qtz ss	tn	m	cr	P	A											
90.0						qtz ss	gy	m	cr	P	A											
92.5						sh	gy-pbn															Upper Grassy Basin Ch. @ 900'
95.0						sh, cgl	ppbn															
97.5						sh	ltgy															
100.0						sh	ppbn-gy															

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



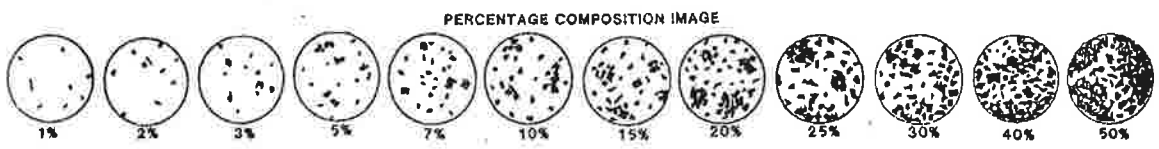
TWN-17
AS-BUILT WELL CONSTRUCTION SCHEMATIC

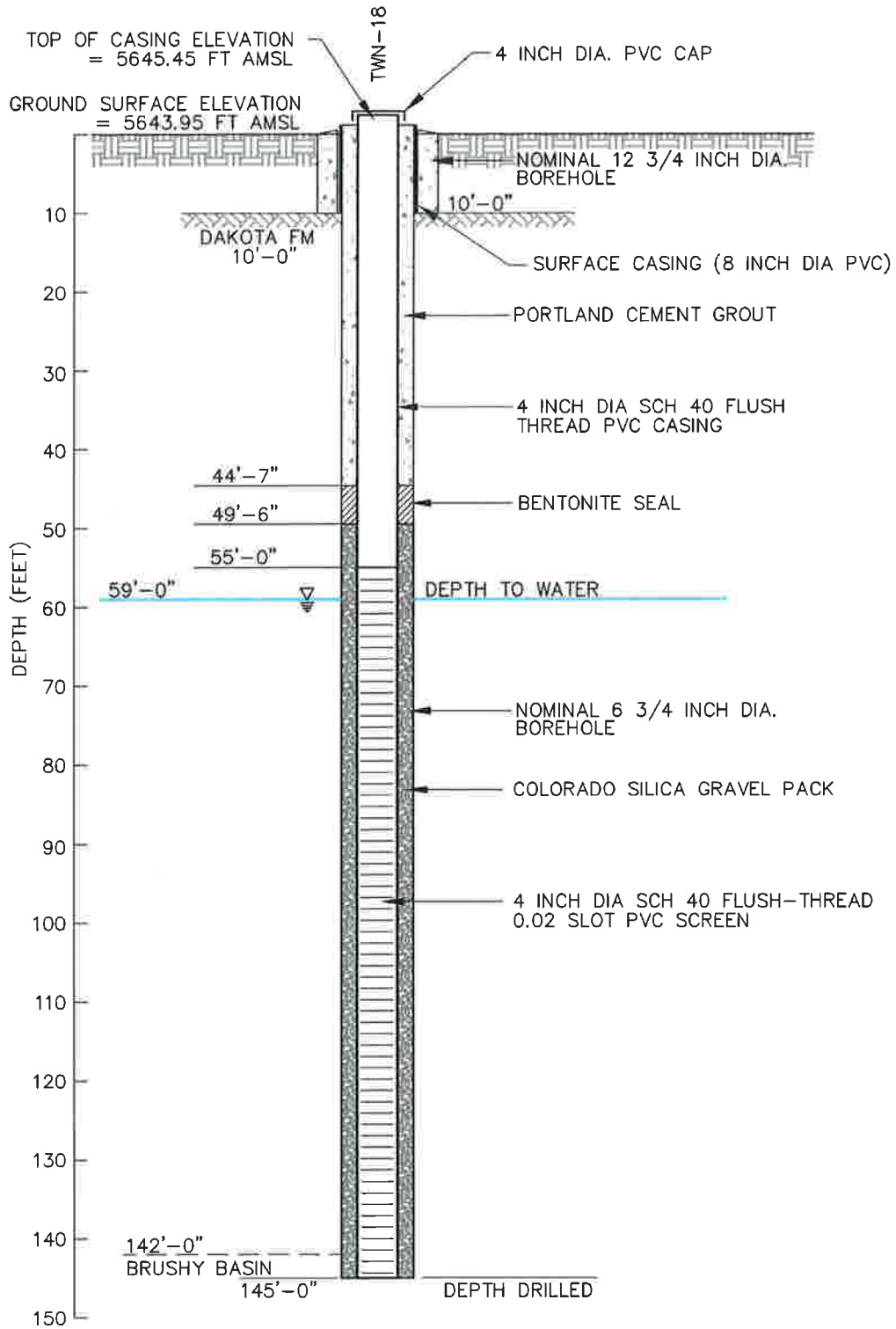
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180238A	18

Date 10-7-09 Geologist L. Casebolt Drilling Co. Bayles Exploration Inc. Hole No. TWN-17
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

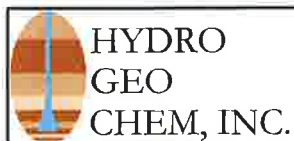
DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	BIREFRINGENCE	LITHOLOGY	COLOR WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	ABUNDANT	PYRITE	ALTER.	METALLIC	NON-METALLIC	REACT-10% HCL	AMOUNT	TYPE	REMARKS
0																					
2.5						siltst mdsf rdbn														S	Surface soil
5.0						siltst mdsf rdbn														S	Surface soil
7.5						qtz ss tn	f-m	P	Δ			L								N	Color change top of Dakota @ 5.0'
10.0						qtz ss, sh tn bn	f-cr	P	Δ											N	white chert frags & grains.
12.5						qtz ss tn	f-ver	P	Δ											N	
15.0						qtz ss tn	m-cr	P	Δ											N	
17.5						qtz ss tn	m-cr	P	Δ											N	
20.0						qtz ss tn	m-cr	P	Δ											N	
22.5						qtz ss tn	m-cr	P	Δ											N	
25.0						qtz ss-qtzite wh	m-cr	P	Δ											N	fragments of orthoquartzite
27.5						qtz ss wh-tn	m-cr	P	Δ											N	
30.0						qtz ss tn	m-cr	P	Δ											N	
32.5						qtz ss tn	f-m	P	Δ											N	
35.0						qtz ss, sh ltgytn	f-m	P	Δ			L								N	
37.5						qtz ss tn	m-cr	P	Δ											N	
40.0						qtz ss tn	f-m	P	Δ											N	
42.5						qtz ss lttn	f-m	P	Δ											N	
45.0						qtz ss wh	m-ver	P	Δ											N	
47.5						qtz ss lttn	m-ver	P	Δ											N	
50.0						qtz ss, cgl ortn	m-ver	P	Δ											N	some small chert pebbles.
52.5						qtz ss wh	m-cr	P	Δ											N	
55.0						qtz ss, cgl tn gy	f-ver	P	Δ											N	some small chert pebbles & frags.
57.5						qtz ss tn	f-ver	P	Δ											N	
60.0						qtz ss tn	f-cr	P	Δ											N	
62.5						qtz ss, cgl tn	f-ver	P	Δ											N	some small chert frags.
65.0						qtz ss, cgl tn	f-ver	P	Δ											N	some chert frags.
67.5						qtz ss vlttn	f-ver	P	Δ											N	
70.0						qtz ss tn	f-cr	P	Δ											N	
72.5						sh ltgytn														N	
75.0						sh ltgytn														N	
77.5						qtz ss, sh wh-ltgn	vf-f	P	Δ											N	
80.0						qtz ss wh-ltgn	vf-f	P	Δ			L								N	
82.5						qtz ss wh-tn	f-cr	P	Δ											N	
85.0						qtz ss wh-tn	f-m	P	Δ											N	
87.5						qtz ss tn	f-m	P	Δ											N	
90.0						qtz ss tn-gy	f-m	P	Δ											N	
92.5						sh dkgybn														N	
95.0						qtz ss, cgl gy	f-ver	P	Δ											N	
97.5						qtz ss, cgl gy-rdbn	m-ver	P	Δ											N	
100.0						cgl bn-rdbn	peb	P	Δ											N	abund. multicolored chert pebbles & frags
102.5						cgl gybn	peb	P	Δ											N	" " " " " "
105.0						qtz ss, cgl sh tn-rdbn	f-ver	P	Δ											S	Approx 0.0 at 104 ft
107.5						sh, siltst ltgy-rdbn	vf-f	P	Δ											N	
110.0						sh pprdbn														N	T.D.

PAGE 1 OF 1
 T.D. PROBE _____
 T.D. DRILL 110.0
 FLUID LEVEL _____





NOT TO SCALE



**TWN-18
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

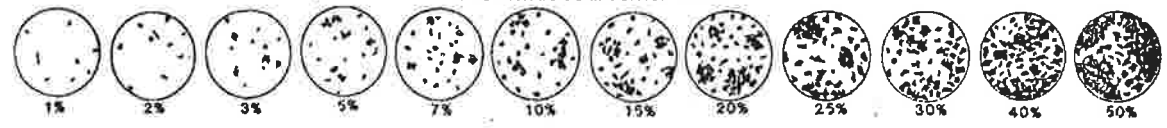
Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180239A	19

Date 10-9-09 Geologist L. Casbolt Drilling Co. Bayles Exploration, Inc. Hole No. TWN-18
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County Salt Lake State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE AMOUNT	PYRITE HABIT	METALLIC	NON-METALLIC	REACT-100 MEL	AMOUNT	TYPE	CARBON	REMARKS	
																					DEPTH
0																					
2.5						Sndy silt	rdbn	vf-cr	P	a					S						surface soil
5.0						Sndy silt	rdbn	vf-m	P	a					W						surface soil
7.5						silt-sndy	rdbn	vf-cr	P	a					W						surface soil
10.0						Silt-sndy	rdbn	vf-m	P	a					S						
12.5						qtz ss	tn	m-m	a	L					N						Water contact Discontinuity @ 12.0'
15.0						qtz ss	tn	f-m	m	a					N						
17.5						qtz ss	tn	m-m	a						N						
20.0						qtz ss	tn	m-m	a						N						
22.5						qtz ss	tn	m-m	a	L					N						
25.0						qtz ss	tn	f-m	m	a					N						
27.5						qtz ss, sh	tn	m-cr	m	a					N						
30.0						qtz ss	tn	m-cr	m	r					N						
32.5						qtz ss	tn	m-cr	P	a					N						some light colored chert pebbles & frags.
35.0						qtz ss	tn	m-cr	P	a					N						" " " " " "
37.5						sh, qtz ss	gy	m-cr	P	a					N						" " " " " "
40.0						sh	gy								N						
42.5						sh, qtz ss	gy	m-cr	P	a					N						
45.0						sh, qtz ss	tn	m-cr	P	a					N						" " " " " "
47.5						sh	gy, tn								N						
50.0						sh	gy, tn								N						
52.5						silt	gy								N						
55.0						Sndy sh	gy	f-m	P	a					N						
57.5						Silt, sh	gy								N						
60.0						Sndy silt	gy	f-m	P	a					N						
62.5						qtz ss	gy	vf-f	P	a					N						
65.0						qtz ss, sh	gy	vf-f	P	a					N						
67.5						qtz ss, sh	tn-gy	vf-f	P	a					N						
70.0						sh	gy								N						
72.5						sh, qtz ss	gn-ortn	f-m	P	a	L				N						
75.0						qtz ss	lt tn	m-m	a	L					N						
77.5						qtz ss	lt tn	m-cr	m	a					N						
80.0						qtz ss	lt tn	m-cr	m	a	L				N						
82.5						qtz ss	wh	m-m	a						N						
85.0						qtz ss	wh	m-cr	m	a					N						
87.5						qtz ss	wh	m-cr	m	a					S						
90.0						qtz ss, sh	lt tn	m-cr	m	r					N						
92.5						qtz ss, sh	lt gn-tn	m-cr	m	r					N						
95.0						sh	gn-ppbn								N						
97.5						sh	gn-ppbn								N						
100.0						sh, qtz ss	gn-ppbn								N						
102.5						qtz ss, sh	gn-tn	m-m	r	L					N						
105.0						qtz ss	gy, gn	f-m	m	r					N						
107.5						qtz ss	gy, gn	f-m	m	r					N						
110.0						qtz ss	gy, gn	f-m	m	r					N						
112.5						qtz ss	lt gy	f-m	P	a	1%				N						pyrite noted.
115.0						qtz ss	lt gy	f-m	P	a					N						
117.5						qtz ss	lt gy	f-m	P	a					N						
120.0						qtz ss, sh	lt gy	f-m	m	a					N						
122.5						qtz ss	lt gy	f-cr	P	a	L				N						chert frags.
125.0						qtz ss	lt gy	f-m	m	a					N						

PAGE 1 OF 1
 T.D. PROBE _____
 T.D. DRILL 145.0
 FLUID LEVEL _____

PERCENTAGE COMPOSITION IMAGE

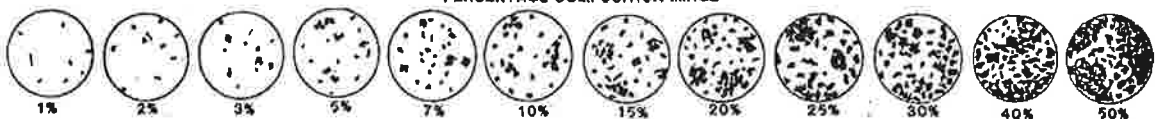


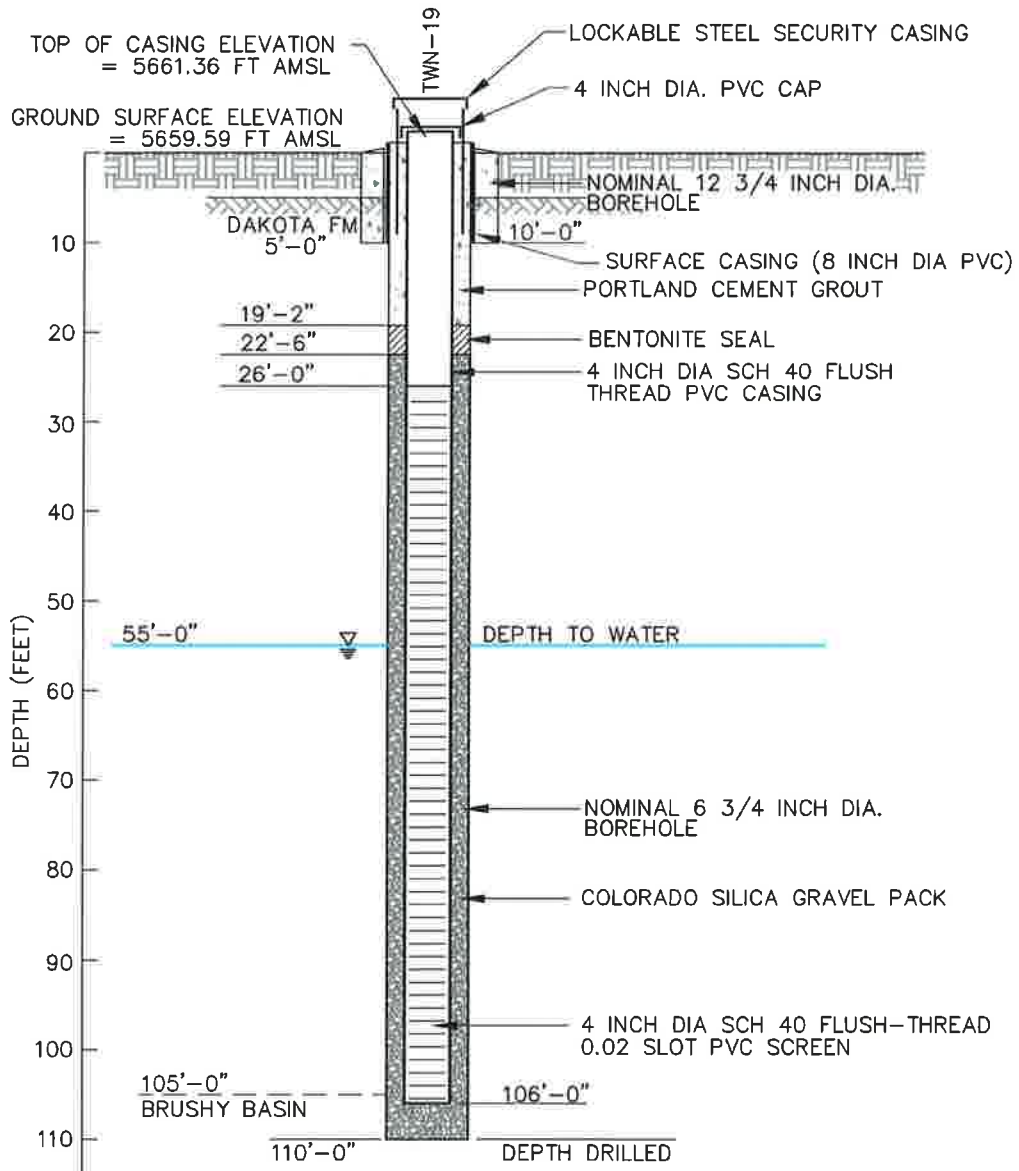
Date 10-9-09 Geologist L. Casebolt Drilling Co. Bull/les Exploration, Inc Hole No. TWN-18
 Property White Mesa Mill Project Kittate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County Sin. Twp State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	BARNA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	HABIT	PYRITE	ALTER.	METALLIC	NON-METALLIC	REACT-10% HCL	AMOUNT	TYPE	CARBON	REMARKS
0																							
127.5						qtz ss	lgy	f	cr	A							N						
130.0						qtz ss	lgy	f	cr	B	L						N						chert frags.
132.5						qtz ss sh	lgy	f	m	B	L						N						
135.0						qtz ss	lgy	f	m	B							N						
137.5						qtz ss	gy	f	m	B							N						
140.0						siltst	qtz										N						
142.5						siltst sh	gy-rdbn										W						
145.0						sh	rdbn										N						Upper Brushy Brushy Basin fm cte 142.0
T.D.																							

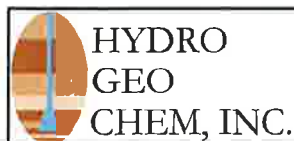
PAGE 2 OF 2
 T.D. PROBE _____
 T.D. DRILL 145.0
 FLUID LEVEL 57

PERCENTAGE COMPOSITION IMAGE





NOT TO SCALE



**TWN-19
AS-BUILT WELL CONSTRUCTION SCHEMATIC**

Approved	Date	Author	Date	File Name	Figure
SS	03/04/10	AMC	03/04/10	7180240A	20

Date 10-12-09 Geologist L. Casbolt Drilling Co. Bayles Exploration, Inc. Hole No. TWN-19
 Property White Mesa Mill Project Nitrate Study Unit No. _____ Sec. _____ Twp. _____ Rge. _____
 County San Juan State Utah Location _____ Elev. _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GEMMA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR	WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENTATION	IRON OXIDE	AMOUNT	PYRITE	METALLIC	NON-METALLIC	REACT. IOP. MIN.	AMOUNT	TYPE	REMARKS
0																					
2.5						mlst silt rdln										W					Gravelly soil
5.0						mlst silt rdln										S					
7.5						qtz ss dk bn	m	gr	P	Δ						N					Upper Dakota. Bl @ 5.0'
10.0						qtz ss tn	m-cr	P	Δ							N					some wh chert grains
12.5						qtz ss dktn	m-cr	P	Δ							N					" " " "
15.0						qtz ss tn	m-cr	P	Δ							N					abund multi colored chert frags.
17.5						qtz ss tn	m-cr	P	Δ				L			N					" " " "
20.0						qtz ss tn	m-cr	P	Δ							N					
22.5						qtz ss cgl tn	m-pel	P	Δ							N					marlsone first noted from 200
25.0						cgl qtz ss bn	m-pel	P	Δ							N					abund multi colored chert pebbles.
27.5						cgl qtz ss bn	m-pel	P	Δ							N					" " " " "
30.0						qtz ss tn	m-cr	P	Δ							N					
32.5						qtz ss tn	f-m	P	Δ							N					
35.0						qtz ss tn	m-cr	P	Δ							N					begin 100 from west @ 35'
37.5						qtz ss tn	m	gr	P	Δ						N					
40.0						qtz ss cgl	ltgy	m-pel	P	Δ						N					
42.5						qtz ss ltgytn	f-m	P	Δ							N					
45.0						qtz ss ltgytn	f-m	P	Δ							N					
47.5						qtz ss ltgytn	f-m	P	Δ							N					
50.0						cgl qtz ss ltgytn	f-pel	P	Δ							N					
52.5						qtz ss cgl ltgytn	f-pel	P	Δ							N					
55.0						qtz ss tn	f-cr	P	Δ							N					
57.5						qtz ss cgl ortn	f-pel	P	Δ							N					
60.0						sh qtz ss qytn										N					
62.5						siltst ltgy										N					
65.0						siltst sh ltgy										N					
67.5						qtz ss siltst ltgy	vf-g	P	Δ							N					
70.0						qtz ss ltgy	vf-p	P	Δ							N					
72.5						qtz ss ltgy-tln	vf-m	P	Δ			L				N					
75.0						qtz ss ltgytn	vf-m	P	Δ			L				N					
77.5						qtz ss-siltst ltgytn	vf-m	P	Δ							N					
80.0						qtz ss ltgytn	f-cr	P	Δ							N					
82.5						qtz ss siltst ltgytn	vf-m	P	Δ			L	40%			N					
85.0						qtz ss wh	f-m	P	Δ				40%			N					
87.5						qtz ss wh	f-m	P	Δ							N					
90.0						qtz ss wh	f-m	P	Δ							N					
92.5						qtz ss cgl wh-gy	m-pel	P	Δ			L				N					some chert pebbles and frags.
95.0						qtz ss cgl gy-wh	m-pel	P	Δ							N					
97.5						sh cgl qtz ss gy-bn	m-pel	P	Δ							N					
100.0						sh gy										N					
102.5						qtz ss cgl gy-rdln	m-pel	P	Δ							N					
105.0						sh qtz ss gy	f-m	P	Δ							N					Brushy Basin. Bl @ 105.0'
107.5						sh rdln										N					
110.0						sh ppbn-gn										N					
TD.																					

PAGE 1 OF 1
 T.D. PROBE _____
 T.D. DRILL 110.0 TD
 FLUID LEVEL _____

