STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115534
Permit No.
Basin 101

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Please complete this form it its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 62165

1. OWNER U.S. Navy IW-08
MAILING ADDRESS 4755 Pasture Road Fallon Nv. 89496
ADDRESS AT WELL LOCATION NAS Fallon Nv.
4755 Pasture Road Fallon Nv. 89496

2. LOCATION NW ¼ SE ¼ Sec 23 T 18N N/S R 29 E
PERMIT/WAIVER No. 006-611-01
Issued by Water Resources Parcel No.
Latitude 39.242720
Longitude 118.414918
Subdivision Name: n/a
UTM E 2592552.78
N 14818861.54
☐ NAD 27 ☑ NAD 83/WGS 84
County: Churchill

3. WORKED PERFORMED
☑ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Other...

4. PROPOSED USE
X Injection
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC
☐ Air ☑ Other... auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Fine sand,brown	no	0	6	6
Silty clay,dark brown	no	6	9	3
Sand,brown	yes	9	11	2
Silty clay,clay,brown	no	11	14	3
Silty sand,brown	yes	14	15	1
Silty clay,clay,brown	no	15	18	3

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Date started 4-Feb , 20 12
Date completed 4-Feb , 20 12

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
	39.407637°N	NAD 27
	118.696013°W	

8. WELL CONSTRUCTION
Depth Drilled 18 Feet Depth Cased 15 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
8 Inches	0 Feet	18 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
1/2		stainless steel	0	14
1/2		stainless steel	0	10

Perforations:
Type of perforation 1" stainless steel wire wrap
Size of perforation 0.01
From 14 feet to 15 feet
From 10 feet to 11 feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 9
Placement Method: ☐ Pumped ☑ Poured
Seal Type: ☑ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☑ Yes ☐ No
From 9 feet to 18 feet

9. WATER LEVEL
Static water level n/a feet below land surface
Artesian flow n/a G.P.M n/a P.S.I
Water temperature n/a °F Quality n/a

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name WDC Exploration & Wells
Contractor
Address PO Box 141 Zamora Ca. 95698
Contractor
Nevada contractor's license number issued by the *State Contractor's Board* 0012852
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2111-T1
Signed
By driller performing actual drilling on site or contractor
Date 3/6/2012

(Rev. 06/10)
USE ADDITIONAL SHEETS IF NECESSARY

Log # 115534

Sheet 1 of 2

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

DO:
Bldg./Site: 16
Project Name: NAS FALLON TCRA

Boring Number: TT16-IW08	Date Started: 2/4/12
Drilling Method: (Circle one) HSA Continuous Core/Direct Push/Hand Auger	Date Completed: 2/4/12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: V. PRILEPIN
Outer Diameter of Boring: 8"	Drilling Subcontractor: WDC Expl. & Wells
Inner Diameter of Well Casing: 0.5" and 0.5"	Driller: Gary WHITLEY
Depth to Water (ft./bgs.)	Location Sketch:

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Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, etc.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-5 HAND AUGERED			
	2		50			0-5.5 very fine to fine sand, brown 7.5 YR 5/4; loose, dry, micaceous	SP		
	4								
	6		60			5.5-8.5 silty clay, dark brown, 7.5YR 3/3, soft, low plasticity, 85% clay, 15% silt, dry; grading to stiff clay at 8', dry	CL		
	8								
	10		70%			8.5-11 fine to medium grained sand, brown poorly graded, saturated, w/mica 0.1 mm	SP		

Log # 115534

Sheet 2 of 2

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

TT 16 - IW08

DO:

Bldg./Site: 16

Project Name: NAS FALLON TCRA

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	V.S. utility type, dia. / Blow count (per 6 inches)	Description	USCS soil symbol	Well construction	OVM (ppm)
						sand as above	SP		0
			70%			11-11.5 silty clay, brown, soft, wet, plastic (sticky). grading to stiff clay (85% clay, 15% silt)	CL		
	12					11.5-13 stiff clay, brown, 7.5YR 4/3, low plasticity, dry (100% clay)			B.S.
	14					13-14 silty clay, brown, soft, wet 85% clay, 15% silt			
						14-15 silty sand, brown, very fine to fine, micaceous, saturated	SM		0
			95%			15-16 silty clay, brown, soft, w/ some organic stringer (root zone?), 85% clay, 15% silt.	CL		
	16					16-18 stiff clay, brown, 7.5YR 4/3, non-plastic, dry 100% clay			
	18					T.D 18'			

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INJECTION

~~MONITORING~~ WELL COMPLETION RECORD

Log #115534

TETRATECH EM INC

MONITORING WELL

MONITORING WELL NO. IW08
PROJECT: NAS FALLON TCRA
SITE: 16
BOREHOLE NO.:
WELL PERMIT NO.:
TOC TO BOTTOM OF WELL:

DRILLING INFORMATION

DRILLING BEGAN
DATE: 2/4/12 TIME: 10:25
WELL INSTALLATION BEGAN
DATE: 2/4/12 TIME: 10:55
WELL INSTALLATION FINISHED
DATE: 2/4/12 TIME: 12:00
DRILLING CO.: WDC
DRILLER: GARY WHITLEY
LICENSE:
DRILL RIG: HSA CME-85
DRILLING METHOD:
- ■ HOLLOW STEM AUGER
- ☐ AIR ROTARY
- ☐ OTHER:

DIAMETER OF AUGERS:
ID: OD:

WELL CASING

- ☐ SCHEDULE 40 PVC
- ■ OTHER:

PRODUCT: SS 316
MFG. BY: APT WATER
CASING DIAMETER
ID: OD: 1/2"
LENGTH OF CASING:

WELL SCREEN

- ☐ SCHEDULE 40 PVC
- ■ OTHER:

PRODUCT: SS 316
MFG. BY: APT WATER
CASING DIAMETER:
ID: OD: 1/2"
SLOT SIZE: 0.01
LENGTH OF SCREEN: 1' (both screens)

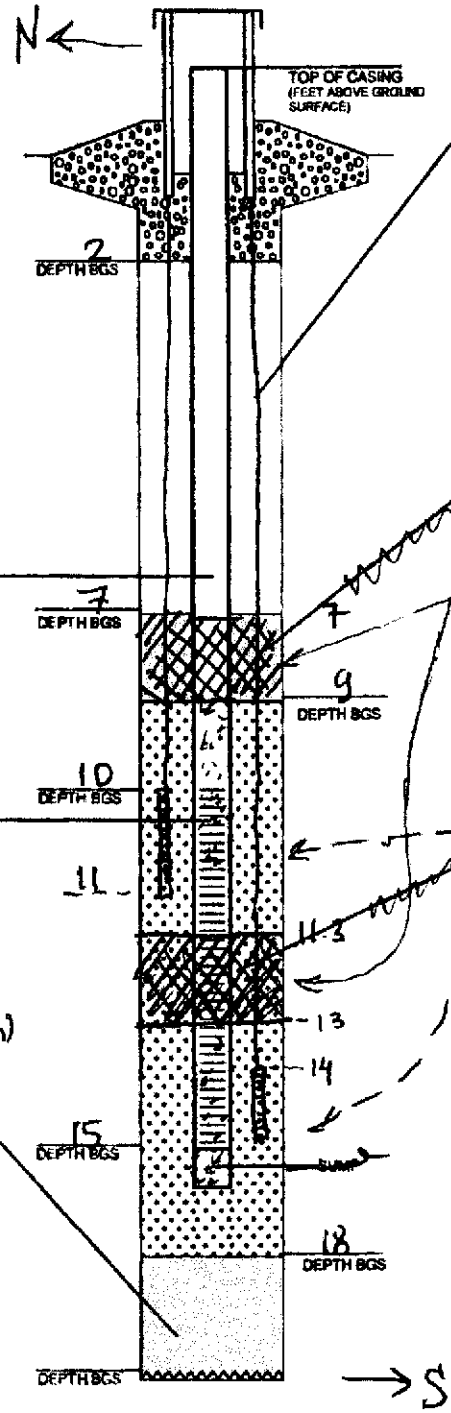
BOREHOLE BACKFILL

AMOUNT CALCULATED:
AMOUNT USED:
- ☐ BENTONITE CHIPS, SIZE:
- ☐ BENTONITE PELLETS, SIZE:
- ☐ SLURRY:
- ■ FORMATION COLLAPSE:
- ■ OTHER: 2/12 sand, 1.5 bags

PRODUCT:
MFG. BY:
METHOD INSTALLED:
- ☐ POURED ☐ TREMIE
- ☐ OTHER

SURFACE COMPLETION

- ■ FLUSH MOUNT
- ☐ ABOVE GROUND WITH BUMPER POST
- ☐ CONCRETE ☐ ASPHALT



SURVEY INFORMATION

TOC ELEVATION:
GROUND SURFACE ELEVATION:
NORTHING:
EASTING:
DATE SURVEYED:
SURVEY CO.:

ANNULAR SEAL

VOLUME CALCULATED:
AMOUNT USED:
- ■ GROUT FORMULA (PERCENTAGES)
  - PORTLAND CEMENT: 95%
  - BENTONITE: 5%
  - WATER:
- ☐ PREPARED MIX
  - PRODUCT:
  - MFG. BY:

METHOD INSTALLED:
- ■ POURED ☐ TREMIE
- ☐ OTHER

BENTONITE SEAL

VOLUME CALCULATED: 5 lbs
AMOUNT USED: 1 bag (upper), 1 bucket (lower)
- ■ PELLETS, SIZE: 1/4" COATED (Lower)
- ■ CHIPS, SIZE: MEDIUM (UPPER)
- ☐ OTHER:

PRODUCT: PUREGOLD
MFG. BY: CETCO
METHOD INSTALLED:
- ■ POURED ☐ TREMIE
- ☐ OTHER:

AMOUNT OF WATER USED:

FILTER PACK

- ☐ PREPACKED FILTER

VOLUME CALCULATED:
AMOUNT USED: 3 bags (lower), 1.5 bag (upper
- ■ SAND, SIZE: 2/12

PRODUCT: CEMEX
MFG. BY:
METHOD INSTALLED:
- ■ POURED ☐ TREMIE
- ☐ OTHER:

WATER LEVEL:
(BTOC AFTER WELL INSTALLATION)

CENTRALIZERS USED?

- ☐ YES ■ NO:

CENTRALIZER DEPTHS:

LEGEND

BGS = BELOW GROUND SURFACE
BTOC = BELOW TOP OF CASING
N/A = NOT APPLICABLE
NR = NOT RECORDED
TOC = TOP OF CASING

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