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

OFFICE USE ONLY
Log No. 115558
Permit No.
Basin 101

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 62157

1. OWNER U.S. Navy MW-30
MAILING ADDRESS 4755 Pasture Road Fallon Nv.89496
ADDRESS AT WELL LOCATION NAS Fallon Nv.
4755 Pasture Road Fallon Nv. 89496

2. LOCATION NW¼ 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
UTM E 2592587.98 ☐ NAD 27
N 14818714.22 ☑ NAD 83/WGS 84
Subdivision Name: n/a County: Churchill

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

4. PROPOSED USE
☐ 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
Clayey sand,dark brown	no	0	2	2
Clay,dark brown	no	2	4	2
Silty sand,dark brown	no	4	6	2
Clayey silt,dark brown	yes	6	10	4
Clay,brown	no	10	11	1
Silty sand, brown	yes	11	14	3
Clayey silt, brown	no	14	15	1
Fine sand,brown	yes	15	17	2
Clay,brown	no	17	18	1

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Date started 31-Jan , 20 12
Date completed 31-Jan , 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 18 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)
2.375		.152	0	8

Perforations:
Type of perforation mill slot
Size of perforation 0.01
From 8 feet to 18 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 7
Placement Method: ☐ Pumped ☑ Poured
Seal Type: ☑ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☑ Yes ☐ No
From 7 feet to 18 feet

9. WATER LEVEL
Static water level 7 feet below land surface
Artesian flow no 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)
00 128 52
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 3/6/12

(Rev. 08/10)
USE ADDITIONAL SHEETS IF NECESSARY

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

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

Boring Number: TT16 - MW30	Date Started: 1/31/12
Drilling Method: (Circle one) HSA Continuous Core/Direct Push/Hand Auger	Date Completed: 1/31/12
Air Rotary/Mud Rotary/Dual Tube Percussion/Sonic/Vacuum	Logged By: V. PRILLSPIN
Outer Diameter of Boring: 8"	Drilling Subcontractor: WDC Expl. & Wells
Inner Diameter of Well Casing: 2"	Driller: GARY WHITLEY
Depth to Water (ft./bgs.) ~6'	Location Sketch:

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Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.O. utility type, etc.	Description	USCS soil symbol	Well construction	OVM (ppm)
						0-5 HAND AUGERED			
						0-2.5' clayey sand, dark brown, 7.5YR 3/2	SC		
	2		100%			55% sand, 45% clay, loose, dry			
						2.5-3.5' clay, dark brown, 7.5YR 3/2, stiff, micaceous, dry, 100% clay	CL		
	4					3.5-5.5' silty sand, dark brown, w/ mica up to 0.5mm, damp; 85% sand, 15% silt	SM		0
	6		100%			5.5-6' silty clay, dark brown, plastic 70% clay, 30% silt, wet	CL		
						6-9.5' clayey silt, dark brown, soft, 60% silt, 40% clay, saturated at 6"	ML		
	8								0
			100%						
	10					9.5-11 clay, brown, 7.5YR 4/2, high plasticity, soft	CL		

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

TT16 - MW30

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

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.B. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
						Clay as above	CL		
	12		100			11-14.5 silty clayey sand, brown, wet to saturated, amount of fines increases w/depth, 50% very fine sand, 35% silt, 15% clay, mica up to 1-1.5mm	SM/SC		
	14					14.5-15.5 clayey silt, brown, wet, micaceous, 60% silt, 40 clay	ML		
	16		100			15.5-16.5 very fine sand, brown, saturated, loose, poorly graded, micaceous	SP		
	18					16.5-18.5 silty clay to clay, brown 7.5 YR 5/3, stiff, low plasticity dry	CL		
						T.D. 18.5'			

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MONITORING WELL COMPLETION RECORD

TETRATECH EM INC

MONITORING WELL

MONITORING WELL NO.: TT16-MW30
PROJECT: FALLON TCRA
SITE: 16
BOREHOLE NO.:
WELL PERMIT NO.:
TOC TO BOTTOM OF WELL:

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 1/31/12 TIME: 12:30
WELL INSTALLATION BEGAN:
DATE: 1/31/12 TIME: 13:00
WELL INSTALLATION FINISHED:
DATE: 1/31/12 TIME: 13:50
DRILLING CO.: WDC
DRILLER: Gary
LICENSE:
DRILL RIG: HSA CMI-85
DRILLING METHOD:
- ■ HOLLOW STEM AUGER
- ☐ AIR ROTARY
- ☐ OTHER:

DIAMETER OF AUGERS:
ID: OD: 8"

WELL CASING

- ■ SCHEDULE 40 PVC
- ☐ OTHER:

PRODUCT:
MFG. BY:
CASING DIAMETER:
ID: OD: 2
LENGTH OF CASING:

WELL SCREEN

- ■ SCHEDULE 40 PVC
- ☐ OTHER:

PRODUCT:
MFG. BY:
CASING DIAMETER
ID: OD: 2
SLOT SIZE: 0.02
LENGTH OF SCREEN: 10

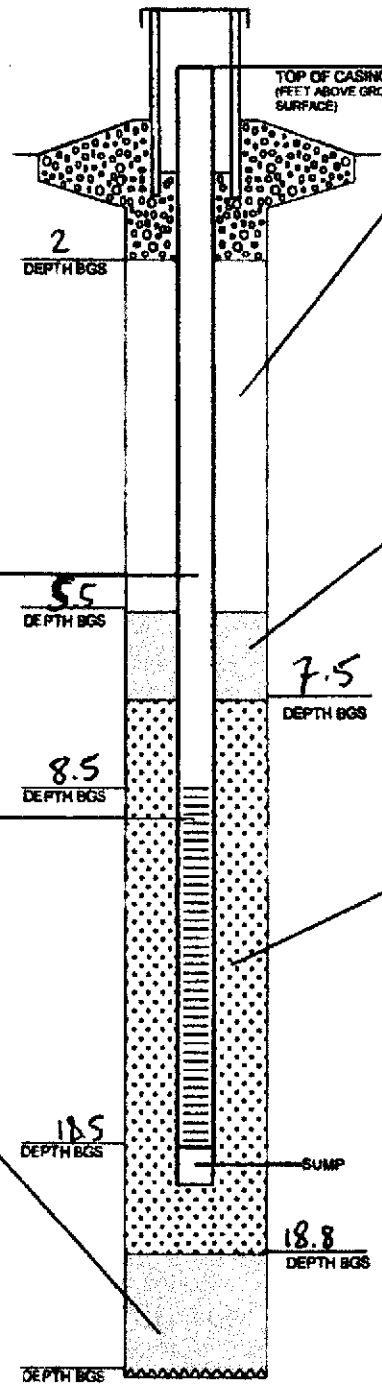
BOREHOLE BACKFILL

AMOUNT CALCULATED:
AMOUNT USED:
- ☐ BENTONITE CHIPS, SIZE:
- ☐ BENTONITE PELLETS, SIZE:
- ☐ SLURRY:
- ■ FORMATION COLLAPSE:
- ☐ OTHER:

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: 12 gal
- ■ GROUT FORMULA (PERCENTAGES)
  - PORTLAND CEMENT: 2 bags 50 lbs
  - BENTONITE: 5%
  - WATER: 7 gal water
- ☐ PREPARED MIX
  - PRODUCT:
  - MFG. BY:

METHOD INSTALLED:
- ■ POURED ☐ TREMIE
- ☐ OTHER:

BENTONITE SEAL

VOLUME CALCULATED:
AMOUNT USED: 1 bag 50 lbs
- ☐ PELLETS, SIZE:
- ■ CHIPS, SIZE: CHIPS MEDIUM
- ☐ OTHER:

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

AMOUNT OF WATER USED:

FILTER PACK

- ☐ PREPACKED FILTER

VOLUME CALCULATED:
AMOUNT USED: 7.5 bags 50 lbs.
- ■ SAND, SIZE: 2/12

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

WATER LEVEL: 7.31 16:35
(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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