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

OFFICE USE ONLY
Log No. 115535
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. 62166

1. OWNER U.S. Navy IW-09
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 UTM E 2592581.91 ☐ NAD 27
Longitude 118.414984 N 14818838.62 ☑ NAD 83/WGS 84
Subdivision Name: n/a County: Churchill

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

4. X Injection 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
Clay,dark brown	no	0	4	4
Silty sand,brown	no	4	9	5
Sandy silt,brown	yes	9	11	2
Clay,brown	no	11	12	1
Silty sand,brown	yes	12	14	2
Clay,brown	no	14	18	4

Date started 5-Feb , 20 12
Date completed 5-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 14 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	13
1/2		stainless steel	0	8

Perforations:
Type of perforation 1" stainless steel wire wrap
Size of perforation 0.01
From 13 feet to 14 feet
From 8 feet to 9 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 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 3/6/18

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

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Sheet 1 of 2

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

DO:
Bldg./Site:
Project Name:

Boring Number: TT16 - IW09	Date Started: 2/5/12
Drilling Method: (Circle one) HSA Continuous Core/Direct Push/Hand Auger	Date Completed: 2/5/12
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.S. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
	2		90			0-5 HAND AUGERED 0-0.5 silty sand, brown, loose, dry 0.5-3.5 clay, dark brown, 7.5YR 3/4, low plasticity, tiny mica, medium stiff to stiff, 100% clay	SM CL		
	4					3.5-8.5 silty sand to sand, brown, fine to submedium grained, w/mica up to 1.5mm wet at ~8	SM/SP		
	6		50						5 B.S. 7.5
	8					8.5-10.5 sandy silt to clayey silt, brown, micaceous, wet to saturated (part of interval not retreived); 70% silt	ML		8 9
	10		70						10

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Sheet 2 of 2

TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

TT16-IW09

DO:

Bldg./Site: 16

Project Name: NAS FALLON TCRA

Time	Depth (ft) bgs	Drive Interval	Recovered Interval	Sample ID	Blow count (per 6 inches) / V.S. utility type, dia.	Description	USCS soil symbol	Well construction	OVM (ppm)
	12	70	70			10.5-12, clay, brown, 7.5YR 4/2, soft to medium stiff, medium to low plasticity, w/tiny mica, wet to moist; 100%, grading to silty sand at ~12	ML CL		10 0.5 12
	14					12-14 silty sand to sand, brown, very fine to fine, to submedium grained, saturated, mica up to 2 mm, loose; 70-100% sand, 20 silt, 10 clay	SM		13 14
	16		100			14-18 clay, brown, 7.5YR 4/2, medium soft to med. stiff, low plasticity, crumbles easily, w/tiny mica, thin zones of organic dark gray coloration, 100% clay	CL		14.4
	18					T.D 18			

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INJECTION
~~MONITORING~~ WELL COMPLETION RECORD

Log # 115535

TETRATECH EM INC

MONITORING WELL
~~MONITORING~~ WELL NO.: TT16-IW09
PROJECT: NAS FALLON TCRA
SITE: 16
BOREHOLE NO.:
WELL PERMIT NO.:
TOC TO BOTTOM OF WELL:

DRILLING INFORMATION
DRILLING BEGAN:
DATE: 2/5/12 TIME: 9:55
WELL INSTALLATION BEGAN:
DATE: 2/5/12 TIME: 10:25
WELL INSTALLATION FINISHED:
DATE: 2/5/12 TIME: 12:15
DRILLING CO.: WDC
DRILLER: GARY WHITAEY
LICENSE:
DRILL RIG: HSA CME-85
DRILLING METHOD:
- [x] HOLLOW STEM AUGER
- [ ] AIR ROTARY
- [ ] OTHER:

DIAMETER OF AUGERS:
ID: OD: 8"

WELL CASING
- [ ] SCHEDULE 40 PVC
- [x] OTHER:

PRODUCT: SS 316
MFG. BY: APT WATER
CASING DIAMETER
ID: OD: 0.5"
LENGTH OF CASING:

WELL SCREEN
- [ ] SCHEDULE 40 PVC
- [x] OTHER:

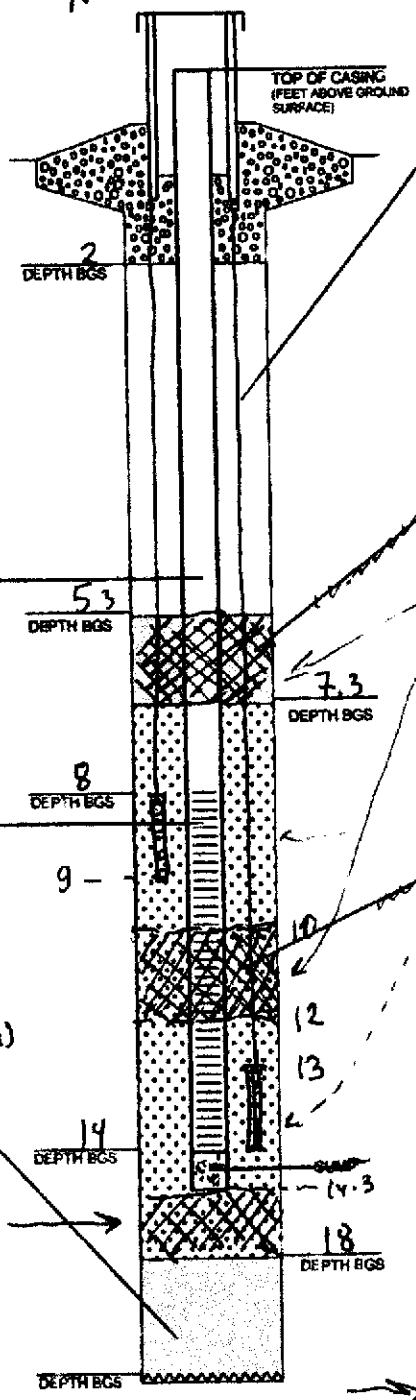
PRODUCT: SS 316
MFG. BY: APT WATER
CASING DIAMETER:
ID: OD: 0.5"
SLOT SIZE: 0.01
LENGTH OF SCREEN: 9' (both screens)

BOREHOLE BACKFILL
AMOUNT CALCULATED:
AMOUNT USED:
- [ ] BENTONITE CHIPS, SIZE:
- [x] BENTONITE PELLETS, SIZE: 1/4" Coated
- [ ] SLURRY:
- [x] FORMATION COLLAPSE:
- [ ] OTHER:

PRODUCT:
MFG. BY:
METHOD INSTALLED
- [ ] POURED
- [ ] TREMIE
- [ ] OTHER:

SURFACE COMPLETION
- [x] FLUSH MOUNT
- [ ] ABOVE GROUND WITH BUMPER POST
- [ ] CONCRETE
- [ ] ASPHALT

N



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

ANNULAR SEAL
VOLUME CALCULATED:
AMOUNT USED: ~ 1 bag
- [x] GROUT FORMULA (PERCENTAGES)

PORTLAND CEMENT: 95%
BENTONITE: 5%
WATER:
- [ ] PREPARED MIX

PRODUCT:
MFG. BY:
METHOD INSTALLED:
- [x] POURED
- [ ] TREMIE
- [ ] OTHER:

BENTONITE SEAL
VOLUME CALCULATED:
AMOUNT USED: 3 bags in both
- [x] ~~PELLETS, SIZE: 1/4" COATED (lower~~ v.a
- [x] CHIPS, SIZE: MEDIUM (upper) lower
- [ ] OTHER:

PRODUCT: PIREGOLD
MFG. BY: CETCO
METHOD INSTALLED:
- [x] POURED
- [ ] TREMIE
- [ ] OTHER:

AMOUNT OF WATER USED:

FILTER PACK
- [ ] PREPACKED FILTER

VOLUME CALCULATED: 2
AMOUNT USED: 2 bags (lower) 3 bags (upper)
- [x] SAND, SIZE: 2/12

PRODUCT: CEMEX
MFG. BY:
METHOD INSTALLED:
- [x] 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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