STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115557
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. 62156

1. OWNER U.S. Navy MW-29
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. 24 27 20
Longitude 118. 41 49 18
Subdivision Name: n/a
UTM E 2592520.72 N 14818725.72
☐ NAD 27 ☑ NAD 83/WGS 84
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
Silty sand,brown	no	0	8	8
Clayey silt,brown	no	8	9	1
Silty clay,brown	no	9	10	1
Silty sand,brown	yes	10	15	5
Clayey silt,brown	no	15	17	2
Clay,brown	no	17	18	1

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Date started 1-Feb , 20 12
Date completed 1-Feb , 20 12

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
	39.4076 37°N	NAD27
	118.696 013°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 8 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)
0012852
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 [signature] (By driller performing actual drilling on site or contractor)
Date 3/6/12

(Rev. 06/10)

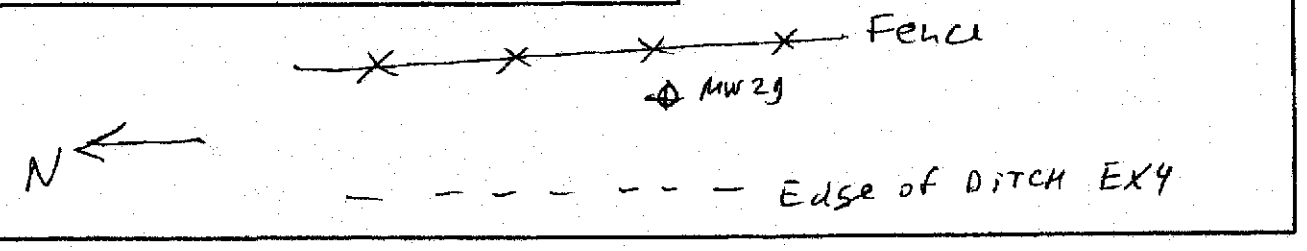
USE ADDITIONAL SHEETS IF NECESSARY

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 - MW29	Date Started: 02/01/12
Drilling Method: (*Circle one*) HSA Continuous Core/Direct Push/Hand Auger	Date Completed: 02/01/12
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: 2"	Driller: Gary Whitney
Depth to Water (ft./bgs.)	Location Sketch:



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	X	40			2-3.5 silty sand, brown 7.5 YR 4/4, very fine to fine, micaceous, loose, dry, 80% fine sand, 20% silt	SM		
	4					3.5-8.5 same, silt content increases to 35-40%, moist at 8', grading to clayey silt at 8.5			
	6	X	30						
	8					8.5-9' clayey silt, brown, 7.5 YR 4/3, micaceous, soft, wet, grading to silty clay.	ML / CL		
	10								

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TETRA TECH EM INC.

SOIL BORING AND WELL INSTALLATION AND VISUAL CLASSIFICATION LOG

TT16-MW29

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)
						9-10.5 silty clay, brown, 7.5YR 4/3, medium stiff 85% clay, 15% silt	CL		
						10.5-13 fine to very fine silty sand, brown, saturated, micaceous	SM		
	12								
						13.0-13.5 (silty) clay, brown, medium plasticity 90% clay, 10% silt, tiny mica	CL		
							SM		
	14					13.5-14.5 silty sand, brown, fine, well graded, micaceous, saturated, grading to clayey silt. 90% sand, 10 silt,	ML		
	16					14.5-17 clayey silt, brown, sand content decreases from 10% to <5% w/depth 70% silt, 20% clay, 10-5% fine sand, moist			
						17-18.5 stiff clay, brown, 7.5 YR 4/2, low plasticity, micaceous, dry	CL		
	18					T.D. 18.5'			

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MONITORING WELL COMPLETION RECORD

TETRATECH EM INC

MONITORING WELL

MONITORING WELL NO.: TT 16-MW29
PROJECT: NAS FALLON TCRA
SITE: 16
BOREHOLE NO.:
WELL PERMIT NO.:
TOC TO BOTTOM OF WELL:

DRILLING INFORMATION

DRILLING BEGAN:
DATE: 2/1/12 TIME: 13:40
WELL INSTALLATION BEGAN:
DATE: 2/1/12 TIME: 13:55
WELL INSTALLATION FINISHED:
DATE: 2/1/12 TIME: 14:40
DRILLING CO.: WDC
DRILLER: Gary Whitney
LICENSE:
DRILL RIG: HSA CMT-85
DRILLING METHOD:
- [x] HOLLOW STEM AUGER
- [ ] AIR ROTARY
- [ ] OTHER:

DIAMETER OF AUGERS:
ID: OD: 8"

WELL CASING

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

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

WELL SCREEN

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

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

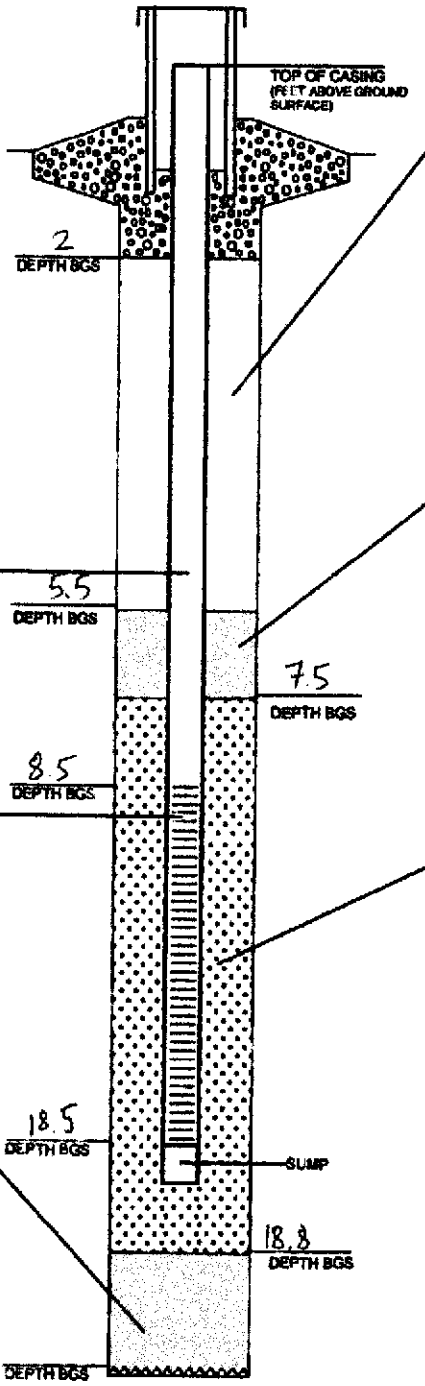
BOREHOLE BACKFILL

AMOUNT CALCULATED:
AMOUNT USED:
- [ ] BENTONITE CHIPS, SIZE:
- [ ] BENTONITE PELLETS, SIZE:
- [ ] SLURRY:
- [x] FORMATION COLLAPSE:
- [ ] OTHER:

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

SURFACE COMPLETION

- [x] 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: 10 gal
- [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: 1 bag 50 lbs
- [ ] PELLETS, SIZE:
- [x] CHIPS, SIZE: MEDIUM
- [ ] OTHER:

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

AMOUNT OF WATER USED:

FILTER PACK

- [ ] PREPACKED FILTER

VOLUME CALCULATED:
AMOUNT USED: 7 bags 50 lbs
- [x] SAND, SIZE: 2/12

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

WATER LEVEL: 8.04 2/2/12 14:25
(BTOC AFTER WELL INSTALLATION)

CENTRALIZERS USED?

- [ ] YES
- [x] 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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