WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

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

OFFICE USE ONLY
Log No. 77369
Permit No.
Basin 84

NOTICE OF INTENT NO. 42663

1. OWNER Rocketdyne Propulsion & Power
MAILING ADDRESS P.O. Box 7992 Canoga Park, CA 91309
ADDRESS AT WELL LOCATION 2855 Lightning Canyon Rd Reno, NV

2. LOCATION SW ¼ SE ¼ Sec. 18 T. 22 N/S R. 22 E County
PERMIT NO. Issued by Water Resources | Parcel No. 77-310-03 | Subdivision Name

3. WORK PERFORMED
☑ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Abandon ☐ Other

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

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC
☐ Air ☒ Other HSA

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Boring # C-13A				
See Attached				

Date started ~~5-25-99~~ 5-25-99, 19
Date completed ~~5-27-99~~ 5-27-99, 19

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
Plugged by Well Log No. 116276		

8. WELL CONSTRUCTION
Depth Drilled 41.60 Feet Depth Cased ~~43~~ 39 Feet

HOLE DIAMETER (BIT SIZE)

Inches	From Feet	To Feet
10"	0	41.60

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4"		Schedule 40 PVC	0	39

Perforations:
Type perforation Factory slots
Size perforation 0.020 slots
From 21 feet to 39 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☐ Yes ☐ No
Depth of Seal 21
Placement Method: ☐ Pumped ☐ Poured
Seal Type: ☑ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Bentonite 17.5-21

Gravel Packed: ☑ Yes ☐ No
From 21 feet to 41.60 #3 Silica Sand feet

9. WATER LEVEL
Static water level 25.86 feet below land surface
Artesian flow G.P.M. P.S.I.
Water temperature °F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name WEST HAZMAT DRILLING Contractor
Address 3233 Fitzgerald Rd. Contractor
Rancho Cordova, CA 95742
Nevada contractor's license number issued by the State Contractor's Board 0031386
Nevada driller's license number issued by the Division of Water Resources, the on-site driller M2060
Signed By driller performing actual drilling on site or contractor
Date 6-2-99

(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (O)-627

log 77369

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SRK CONSULTING
5260 Neil Road #300
Reno, Nevada 89502
(775) 828-6800

WELL LOG: C-13A

PROJECT NAME: ROCKETDYNE: AREA C PROJECT NUMBER: 118489	BORING NUMBER: C-13A	DRILLING COMPANY: WEST HAZMAT DRILLING
LOGGED BY: DANA BROWN APPROVED BY: DAVE YOKEY	SURFACE ELEVATION: 4910.00	COORDINATES OR LOCATION: N 38° 46' 12.0" W 119° 33' 08.7"

DRILLING METHOD: HOLLOW STEM AUGER	HOLE DIAMETER: 10-inches	FLUID USED: NONE	STARTING DATE: 8/26/99 ENDING DATE: 8/27/99

DEPTH (ft)	SAMPLE TYPE	SAMPLE NAME	LITHOLOGY	MATERIAL DESCRIPTION	WELL CONSTRUCTION
0				Clayey SAND (SC) Pale yellowish-orange 10YR 8/6, very loose, dry, >5% fine angular gravel to 1/2", 70% fine sand, 25% non to low-plastic fines. High est. K. No odor. Fining downward to >10% fine gravel at 10'.	Steel well vault with locking expansion plug.
5	☒	SS-1			4" SCH 40 threaded PVC well casing: 0' - 23'
10	☒	SS-2			Type II Portland cement: 0' - 17.5'
				--Cobbles in sand with caliche cement: 11' - 14'	
15	☒	SS-3		--Clayey SAND (SC), same as above	Hydrated amorphous bentonite: 17.5' - 21'
				--Cobbles in sand with caliche cement, 17' - 18.5'	
				--Clayey SAND (SC), same as above	
20	☒	SS-4		Lean CLAY with Sand (CL) Moderate-brown 5YR 4/4, stiff, damp to moist. >2% fine SA gravel to 1/2", 35% fine sand, 65% moderate to high-plastic fines. Very low to low est. K. No odor. Many caliche veinlets to 1/4" and black (MnO?) flecks.	
25 ▽	☒	SS-5		Clayey SAND (SC) Moderate brown 5YR 4/4, medium stiff, wet. >2% fine A-SA gravel to 1/4", 65% fine sand, 35% moderate to high-plastic fines. Moderate est. K. No odor. Some reddish FeO staining on gravel clasts. Rare caliche veinlets to 1/8".	RMC Lonestar #3 silica sand: 21' - 45'
30	☒	SS-6			4" Factory slotted (0.020" slots) SCH 40 PVC well screen: 23' - 43'
35	☒	SS-7			
40	☒	SS-8			Threaded bottom cap

GROUND WATER ENCOUNTERED: ▽ 25.50 feet	GROUT MATERIAL: Neat Cement	CASING MATERIAL: 4" SCH 40 PVC	TOTAL DEPTH DRILLED: 41.50 feet
GROUND WATER STATIC: ▽ 25.86 feet	SEAL MATERIAL: Hydrated Bentonite FILTER MATERIAL: #3 Silica Sand	SCREEN SIZE: 0.020"	FIGURE A-1

Plugged by well log No. 116276