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STATE ENGINEER'S OFFICE

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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. 122346
Permit No. 82931
Basin No. 1374

NOTICE OF INTENT NO. 70948
WELL NAME (If applicable): 3

1. OWNER/CLIENT NAME: Cobra Thermosolar
MAILING ADDRESS: 2425 Olympic Blvd #500, Santa Monica CA 90404

DETAILED ADDRESS AT WELL LOCATION: 11 mi Gabbs Pole Line Rd, NV 89 Tonopah, NV
Subdivision Name: Tonopah Solar Power County: NYE

2. PLS LOCATION: NE¼ NW ¼ 3 Sec 4 Rs 41 E
PERMIT/WAIVER NO. 82931 (issued by Water Resources) | BLM Land (Current Parcel No.)

Latitude: UTM E 117.3635470° ☐ NAD 27
Longitude: UTM N 38.2367230° ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Monitor
☐ Mining / Dewater ☒ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☒ Rotary ☒ RVC
☐ Air ☐ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
loose silty sand			0	15'	15'
large rock (cobble)			0	15'	15'
sand and gravels			15'	30'	15'
caliche, sand & gravel			30'	38'	8'
sand, gravel, clay			38'	110'	72'
clay			110'	120'	10'
sand and gravel			120'	130'	10'
sand			130'	140'	10'
clay and sand			140'	160'	20'
sand and gravel			160'	170'	10'
shale and gravel			170'	180'	10'
clay and sand			180'	220'	40'
sand and gravel			220'	240	20'
sand, gravel & clay			240'	250'	10'
sand and gravel			250'	330'	80'
sandy clay			330'	380'	50'
clay and gravel			380'	390'	10'
sandy clay			390'	430'	40'
coarse sand			430'	450'	20'
sandy clay			450'	460'	10'
clay			460'	470'	10'
brown clay			470'	480'	10'
sandy clay			480'	500'	20'
clay			500'	510'	10'

Date started: Feb. 24, 20 15
Date completed: Mar. 7, 20 15

9. WELL CONSTRUCTION
Depth Drilled: 510' Feet Depth Cased: 500' Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
36	Inches	0	Feet	38	Feet
17.5	Inches	38	Feet	510	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
20		.375	0	38
10		.375	0	500

PERFORATIONS:
Type of perforation: louver
Size of perforation: 0.050
From 200 Feet To 500 Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0 to 100'			
☐ Neat Cement	to		☐ Pumped	☐ Poured
☒ Cement Grout	0 to 100'		☒ Pumped	☐ Poured
☐ Concrete Grout	to		☐ Pumped	☐ Poured
☐ Bentonite Chips	to		☐ Pumped	☐ Poured
☐ Bentonite Grout	to		☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☒ Gravel Pack [> 0.2 in.]	100 to 510		☐ Pumped	☒ Poured
☐ Sand Pack [< 0.2 in.]	to		☐ Pumped	☐ Poured
☒ Other, explain: Tremmie in gravel	to		☐ Pumped	☐ Poured

7. WATER QUALITIES
Static water level: Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: ° Fahrenheit
Water Quality:

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ☐ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
Nad 27			
38.2367922			
117.3626223			

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name (Contractor): Hydro Resources
Address (Contractor): 4975 W. Winnemucca Blvd
Nevada contractor's license number as issued by the State Contractor's Board: 0056797
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2508
Signed: Laurence Olin (By driller performing actual drilling on site or contractor)
Date: 3-22-15

(Rev. 08-12)
USE ADDITIONAL SHEETS IF NECESSARY
(NSPO Rev 11-12)
(O) 627