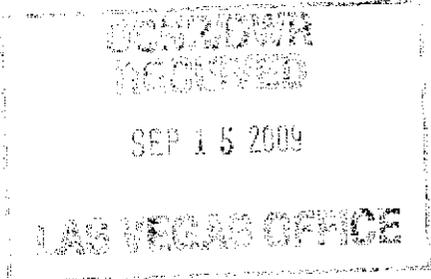


WELL DRILLER'S REPORT (cont)

NOTICE OF INTENT NO. 32281

Well ER-20-8



HOLE DIAMETER (BIT SIZE) (cont.)				
		From	To	
9-7/8	Inches	2362	Feet	3442 Feet

CASING SCHEDULE (cont.)				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
5-1/2" stainless steel (SS)	14.6	0.227	1587	3344
5-1/2" carbon steel (CS)	17.0	0.304	surface	1587
1 st 2-7/8" SS tbg behind 5- 1/2" casing	7.66	0.276	1586	3302
1 st 2-3/8" CS tbg behind 5- 1/2" casing	4.60	0.190	surface	1586
2 nd 2-7/8" SS tbg behind 5- 1/2" casing	7.66	0.276	1610	2909
2 nd 2-3/8" CS tbg behind 5- 1/2" casing	4.44	0.190	surface	1610

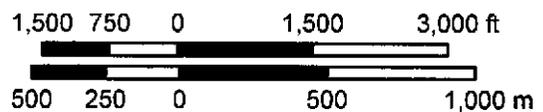
GRAVEL PACK (cont.)							
Gravel Pack:	X	Yes	No	to	X	Pumped	Poured
Type: 6/9 silica sand, 3095'-3081'							
Type: 20/40 sand, 3081'-3070'							
Type: Portland Type II neat cement, 3070'-2940'							
Type: 3/8" washed pea gravel, 2940'-2471'							
Type: 6/9 silica sand, 2471'-2455'							
Type: 20/40 sand, 2455'-2440'							
Type: Portland Type II neat cement, 2440'-2394'							



- Existing drill hole
- Proposed well location
- NTS boundary
- Paved road
- Unpaved road



Nevada Central State Plane Projection (meters), North American Datum 1983
Source: NSTec, 2008



Background imagery is one-meter resolution orthophoto, acquired in 1998

Black tick marks are in Nevada State Plane, Central Zone, NAD83, meters
Blue tick marks are in Universal Transverse Mercator, NAD83, meters

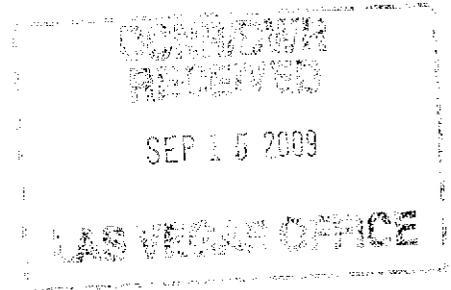
Figure C.3-1
Orthophotograph of the Well ER-20-8 Area

National Security Technologies LLC
Vision • Service • Partnership

H300-KO-09-0018

September 15, 2009

Robert Coache, Chief Engineer
Southern Nevada Branch Office
Division of Water Resources
Nevada Department of Conservation
and Natural Resources
400 Shadow Lane, Suite 201
Las Vegas, NV 89106



Subject: WELL DRILLER'S REPORT FOR ER-20-8 – NOTICE OF INTENT NO. 32281

Reference letter from G. W. Johnson to R. Coache dated March 5, 1999, regarding licensing of U.S. Department of Energy, Nevada Operations Office drilling services.

In accordance with the intent of the referenced letter, National Security Technologies as a matter of comity, is submitting the enclosed Well Driller's Report for the subject well.

P. K. Ortego, Project Manager
Underground Test Area

PKO:sas

Enclosure: as stated

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