Lockheed Martin Corporation, Shared Services Energy, Environment, Safety and Health 2950 North Hollywood Way, Suite 125 Burbank, CA 91505 Telephone 818-847-0197 Facsimile 818-847-0256



May 23, 2006

Mr. Ju-tseng Liu Unit Chief, Southern California Cleanup Operations Site Mitigation Operations Branch Department of Toxic Substances Control 5796 Corporate Avenue Cypress, California 90630

Subject: Lockheed Beaumont Potrero Site Abandonment of Three (3) Former

Production Wells, Beaumont Site 1, Beaumont, California

Reference: a) Abandonment of Former Production Wells at Beaumont Site 1, Beaumont,

California; Letter Report Workplan dated August 11, 2003

b) Revised and Updated "No Effect" Activities for Environmental Remediation at Beaumont Site 1 (Potrero Creek Site) Formerly Owned by Lockheed Martin

Corporation dated, "No Effect" activities letter submitted to USFWS 19 May 2004

Dear Mr. Liu:

On behalf of Lockheed Martin Corporation (LMC), Tetra Tech, Inc. (Tetra Tech) has prepared this report to document the destruction of three former groundwater production wells located at Beaumont Site 1 (Site) (see Figure 1). These wells were located adjacent to a former motor washout facility (well W-l-1), the Betatron building (well W-l-2), and remnants of a former windmill (well W-l-5) (see Figure 2). Groundwater investigations indicate the presence of chlorinated hydrocarbon in groundwater at or nearby these wells. The purpose of the well destruction activities was to minimize the potential for cross-contamination between the water bearing zones and to complete work as agreed upon between LMC and Property Owner (State of California Department of Fish and Game, Wildlife Conservation Board) in the Purchase and Sales Agreement, dated December 22, 2003.

All well destruction work described in this report was done in accordance with the approved work plan (Approved Work Plan - Reference a). Tetra Tech and its subcontractor, J and H Drilling Co, Inc. (J and H Drilling), performed the well destruction activities on behalf of LMC. The areas where the well destruction was performed are sensitive habitat for the Stephens' Kangaroo Rat (SKR), a State and Federally listed threatened and endangered species. All work was done using mitigation and monitoring methods approved by the United States Fish and Wildlife Service (USFWS) and documented in the "No Effect" letter (Reference b) to USFWS.

Background Information

The three wells destroyed were former groundwater production wells located at Beaumont Site 1. Wells W-1-1 and W-1-2 were installed by LMC and well W-1-5 was a former agricultural supply well installed by the previous site owners prior to LMC's acquisition of the property. A review of available well records yielded no data concerning the three production wells. Visual observations and video logs of the wells performed in 1989 yielded the information provided in Table 1. The video logs also showed some sections of all three wells contained partial obstructions and degradation of the casing particularly the portion of the well casings above groundwater.

Table 1 Well Construction Data

Well ID	Well Material Type	Well Diameter (inches)	Total Depth (feet bgs)	Screened Interval (feet bgs)
W-1-1	Spiral Seamed Steel	14"	388	210-388
W-1-2	Steel	8"	247	93-247
W-1-5	Riveted Steel	12"	127	60-127

Based on historical hydrogeologic data and well construction of adjacent wells, individual wells may have been screened in one or more of the major geologic units beneath the Site including the Quaternary Alluvium, the Mount Eden Formation, or the basement granite. As reported in the work plan, groundwater elevations at W-1-1, W-1-2, and W-1-5 were 52 feet, 62 feet, and 120 feet below ground surface (bgs), respectively.

Biological Constraints

The presence of the endangered SKR in the areas immediately surrounding all three wells required implementation of the provisions for non-intrusive activities as provided for in the Approved Work Plan and mitigation measures as specified in the No-Effect Activities Letter (Reference b). The non-intrusive methods included leaving the well's monument and surface completion in place and sealing the well by grouting to ground surface without perforating the well casing. The condition of the well casings also precluded perforating the casings as well. These variances of the surface abandonment methodology were performed with the approval of the local regulatory agency (Riverside County Department of Environmental Health [DEH]).

A Section 10A permitted biologist evaluated each well location prior to any field activities to determine access concerns and required mitigation. The locations of wells W-1-1 and W-1-5 could be accessed with a small drill rig by using avoidance measures and load spreading mats. Well W-1-2 was located in an area of extremely high SKR density with soil characteristics such that foot pressure could cause disturbance to SKR burrows. Therefore, no vehicular access to this well was possible. An approved representative of a Section 10A permitted biologist supervised all potential disturbance activities and observed and directed the measures taken to limit the effects of the disturbance. Mitigation measures included flagging of SKR burrows for avoidance, the use of load spreading mats and plywood sheets, and prohibiting and/or limiting vehicle access in certain areas.

Well Destruction Permit Process

In planning for the destruction of the wells, the DEH was contacted in October 2003 to discuss abandonment methodology and to obtain well destruction permits. DEH personnel stated that the wells could be destroyed by grouting the well from the bottom up using a tremie pipe with a 10-sack sand slurry without perforating the casing. DEH also approved grouting the wells without the use of a tremie pipe using a concrete truck and pump parked on existing roads with a hose running to the well, if required due to biological constraints. The grout was to be pumped at a slow rate to prevent bridging in the lower casing. For both grouting methods, the amount of pumped concrete was to be compared against the calculated volume of the casing to ensure the entire well casing volume had been filled. Well permits for the destruction of the three wells were initially obtained in October 2003 and renewed in September 2005 for the destruction methods described above. DEH was consulted prior to the start of well destruction field activities and elected not to have an inspector present during the well destruction. Copies of the 2003 and 2005 permits are provided in Attachment 2.

Well Destruction Methodology

All three wells were destroyed by filling the well casings with a 10-sack grout to ground surface in accordance with the Approved Work Plan. The top of wells W-1-1 and W-1-5 were modified to allow

for placement of the grout with a tremie pipe and collection of the potentially contaminated displaced well water. The tremie pipe was lowered into these wells and was sealed using a sanitary seal. A hose was attached to a pipe fitting welded to the side of the well casing to capture any water or grout displaced as the well was filled with grout. All captured water and grout was contained in a portable tank for later disposal. Grout was pumped into wells W-1-1 and W-1-5 from the bottom up using a tremie pipe. Well W-1 was filled in two pumping events. The first pumping event filled W-1-1 to above the screened interval. The grout was allowed to settle and partially cure, and, three days later, the casing was filled to the surface with grout. The 6-inch submersible pump, wiring, and pump piping in well W-1-1 were removed and disposed of prior to well destruction. No displaced water was collected from Well W-1-5. As grout reached the surface during grouting of W-1-5, grout began seeping out of ground near the casing indicating the deteriorated and damaged condition of the well casing.

Well W-1-2 was destroyed by welding a pressure cap to the surface completion and filling the well with pressurized grout via piping from a concrete truck and pump parked in the nearby existing road. Well W-1-2 generated no displaced water because the pressure grouting method pushed the water out of the casing back into the formation.

As approved by the DEH, the wells were not perforated prior to grouting. Consultation with drilling contractors and a well perforation specialist indicated that perforation using a mills knife or by explosives had a high risk of causing well casing collapse in the deteriorated wells. Additionally, the explosive perforation process would have the potential to introduce explosives residue into the groundwater.

Monuments and surface completions were left in place to avoid SKR disturbance. The casing extension at W-1-1 and W-1-5 and the pressure cap at W-1-2 were cut off, and a steel cap was welded to the top of each casing. Well preparatory activities (welding casing extensions, installation of pressure cap, removal of pump in W-1-1, etc.) began on 9 September 2005 and well destruction was completed on 21 October 2005. In all cases the volume of grout placed in the wells exceeded the volume calculated for each well prior to destruction. Table 2 summarizes the destruction information for each well.

Table 2
Well Destruction Information

Well ID Date Well Destruction Began	Destruction Began Completed	Grout (Quantity	Comments	
		Calculated Quantity to Fill Well	Actual Quantity Pumped		
W-1-1 (first pumping event)	10/18/05	10/18/05	8.83 cu. yd.	10 cu. yd.	Filled casing from TD (363' bgs) to 140' bgs, Approximately 1.17 cu. yd, of grout pushed into formation/ annular space for this filling.
W-1-1 (second pumping event)	10/21/05	10/21/05	5.42 cu. yd.	5.5 cu. yd	Approximately 0.08 cu. yd. of grout pushed into formation/annular space for this filling. Total of 1.25 cu. yd. of grout pushed into formation/ annular space.
W-1-2	10/19/05	10/19/05	3.2 cu. yd	4.0 cu. yd.	Approximately 0.8 cu. yd. of grout pushed into formation/annular space. Maximum surge pressure of 250 psi observed while pumping. Maintained pressure and pumping until 50 psi pressure could be maintained
W-1-5	10/20/05	10/20/05	3.2 cu. yd.	5.5 cu. yd.	Approximately 2.3 cu. yd. of grout pushed into formation/annular space.

Notes: TD - total depth cu. yd. - cubic yards bgs- below ground surface psi - pounds per square inch Mr. Ju-tseng Liu May 23, 2006 Page 4 of 4

California Department of Water Resources (DWR) well completion reports were completed by J and H Drilling following completion of the well destruction and are provided in Attachment 3. The DWR completion reports were also sent to DWR and Riverside County DEH directly following well destruction completion. Photographs of the well destruction process are provided in Attachment 4 to this report.

The destruction of the three former production wells at Beaumont Site 1 documented in this report were completed successfully in accordance with methods described in the approved work plan and additional requirements by DEH. All mitigation and monitoring measures for the protection of SKR were successfully implemented in completion of the work.

Should you have any questions or comments regarding this report or the well destruction procedures please contact me at (818) 847-0197 or Mr. Thomas Villeneuve of Tetra Tech at (909) 381-1674.

Sincerely,

Gene Matsushita

Technical Project Manager

Attachments: Attachment 1 - Figures

Attachement 2 - Well Destruction Permits

Attachement 3 - DWR Well Completion Reports

Attachement 4 - Photographs

CC: Dan Zogaib, DTSC (2 copies)

West auxu fe

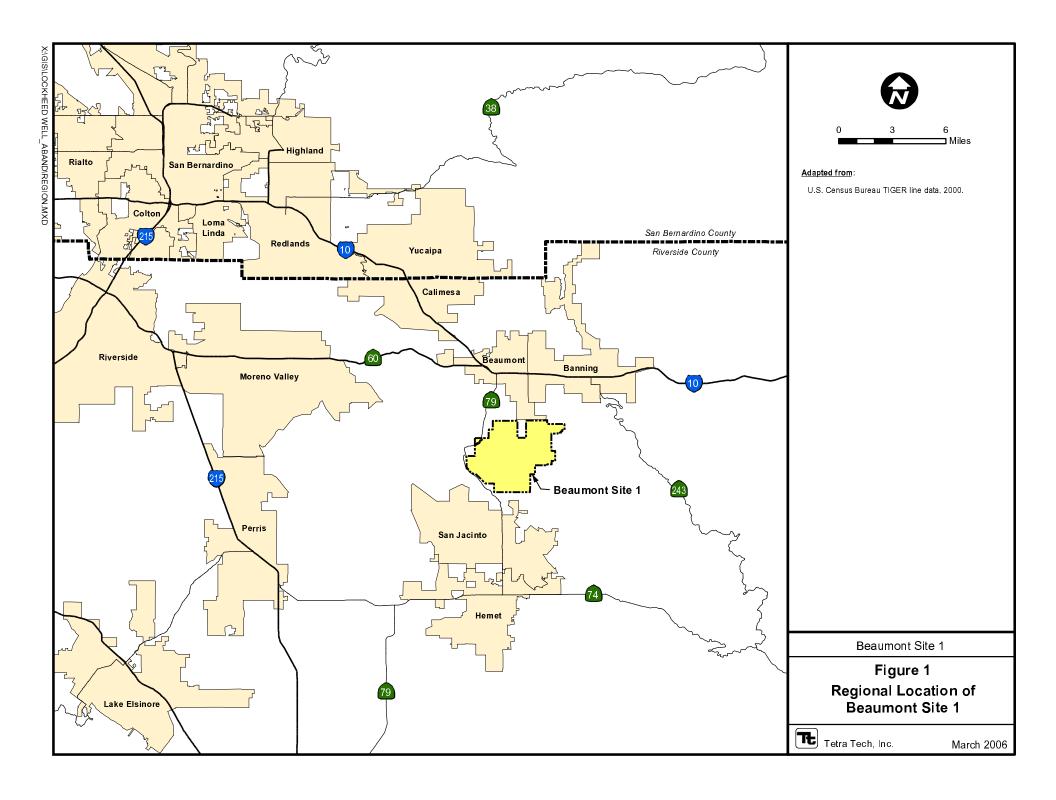
Mr. Ju-tseng Liu May 23, 2006 Page 5 of 4

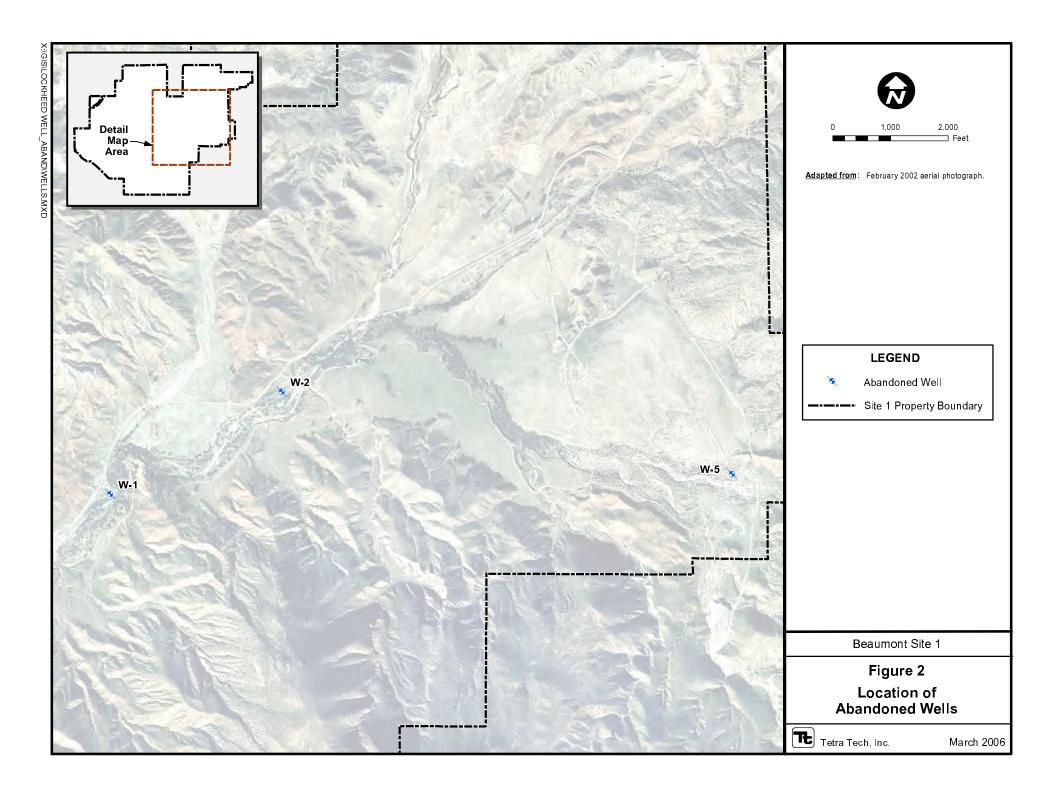
Bc: T. Villeneuve, Tetra Tech, Inc.

N. Shukla, Tetra Tech, Inc.

BUR120Beaumont 1 Production Well Abandonment Report.doc

Attachment 1 Figures





Attachment 2 Well Destruction Permits

28226

WELL DRILLING PERMIT

ALL	ELE	CTRIC	AL,	PLUME	ING,	ME	СНА	NICA	L, AN	ID S	TRU	CTUF	RAL
REP	AIRS	S AND	INS	TALLAT	IONS	SH	ALL	BE D	ONE	UN	DER	PERI	MIT
FRC	MA	IVERS	IDE	COUN	TY DE	EPT.	OF	BUIL	DING	AND) SA	FETY	

Date	January 15, 2004	
Expira	ation Date 7-8-04	
Fee	\$153.27	
	(non-refundable)	

This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force.

LOCATION OF PROPOSED	WELL	NE 74, 3	sec	, I43, H1W
PHYSICAL ADDRESS OF WI	ELL Beaumont Site	#1	Community	Beaumont
APN: 430-040-017	Well: W-1			
NAME Lockheed Mart	in Corporation	DRILLER	Water De	evelopment Corporation
MAILING ADDRESS				ow Highway
MAILING ADDRESS 2550	N. Hollywood Way,	3rd Floor	Montclai	ir, Ca. 91763
CITY & STATE				

Burbank, Ca. 91505

By Charlene Robbins

Charlene Robbins

DEH-SAN-025 (Rev 10/02)

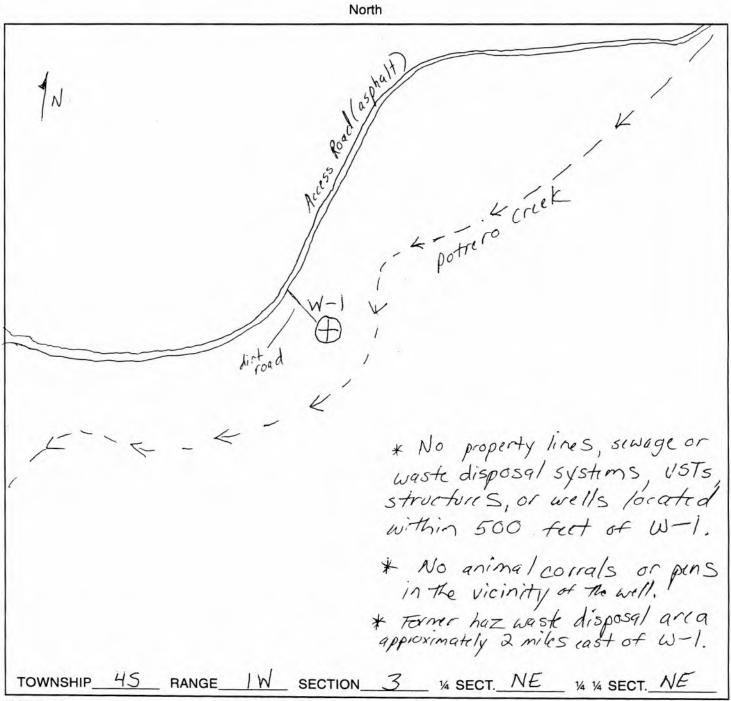
Distribution: WHITE—Environmental Health Department; YELLOW—Owner; PINK—Well Driller; GOLDENROD—Flood Control

COUNTY OF RIVERSIDE COMMUNITY HEALTH AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH WELL PERMIT APPLICATION

(For Construction, Recon	
 ☐ 4080 Lemon Street, 2nd Floor / P.O. Box 1206 - Riverside, CA 92502 - (909) ☐ 82675 Hwy. 111, CAC - Indio, CA 92201 - (760) 863-7000 ☐ 39493 Los Alamos - Murrieta, CA 92563 - (909) 600-6180 	909) 955-8980 Well: W-l
NOTE: Any abandoned wells on the property must be properly destroyed before an application for construction or reconstruction can be processed.	Permit No. 2822 (Expiration 7/8/04/
Please Print Consultant chalic 0578	N 200 (S.)
1. OWNER: Name Lockhed Martin Corporation Mailing Address 2550 N. Hollywood Way, 3rd Floor City Burbank State CA	6. ANNUAL SEAL: Depthft. Borehole Diamin.
Zip 91505 Phone No. (818) 847-0899	Conductor Diam in.
2. DATE OF WORK (approximate):	Annular Thickness in.
StartComplete	Sealing Material
3. WELL DRILLER Name <u>Water</u> <u>Development</u> <u>Corp</u> Riv. Co. Registration No. <u>OH-05</u>	7. DEPTH OF WELL (feet) 2. ProposedExisting388 ' DIAMETER OF BORE (in.)
C-57 License No.	8. PRODUCTION WELL CASING INSTALLED:
4. WELL CHECK (check)	Steel ☐ Plastic ☐ Other
☐ Community ☐ Monitoring ☐ Industrial	From (ft.) To (ft.) Dia. (in.) Wall (Gage)
☑ Individual ☐ Cathodic ☐ Other	0 388 14
☐ Agricultural ☐ Horizontal	GRAVEL PACK: Yes No Unknown
	Fromtoft.
4A. FOR MONITORING WELL: (Name of Consultant) Name <u>Tetva Tech</u> / MCPhone <u>38</u>)~ 1676 5. TYPE OF WORK (check)	9. PERFORATIONS (if applicable):
☐ New ☐ Reconstruction ☒ Destruction	From <u>210</u> to <u>388</u> tt.
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan.	10. SEALED ZONES (if applicable): Fromtoft.
signs the following certificate: I certify that in the perfor employ any person in any manner so as to become sub	Insurance as a prerequisite to permit issuance unless the applicant mance of the work for which this permit is issued, I shall not ject to the Workers Compensation Insurance laws of California. Date
11B. I have read this application and agree to comply with all la	
	Date
12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am I County Ordinances in connection with the approval of this Property Owner's Signature I S DH WW DISPOSITIO	State of California that the information furnished as part of this egally obligated to obey all requirements of state law and Riverside application. Corporation Date 11-19-03
1 8 04 m DISPOSITIO	N OF PERMIT
Approved subject to the following:	FOR DEPARTMENT USE ONLY
A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the column.	to make an inspection of the following operations:
Verify the depth of the conductor (outer) casing prior to	further drilling and installation of the inner casing.
During destruction of wells, prior to pouring the sealing	
B. Approved Plot Plan.	
C. Submit to the Department within thirty (60) days after com Water Well Driller's Report (DWR 188).	pletion of work, a copy of:
	sistrict may be subject to an existing Agency Agreement with said
D. Other:	

Well: W-1

OWNER'S NAME: Lockheed Martin Corporation Department Use Only SITE: Beaumont Site #/ PERMIT NO. Beaumont; CA ASSESSOR'S P.M. NO.: 430-040-017



NOTE: Please see reverse side for information which must be shown on this Plot plan in order to process this permit application.

SECTION	N MAP	VICINITY
NW 1/4	NE 14	
SW 1/4	SE 1/4	
i	į.	

MAP

30825

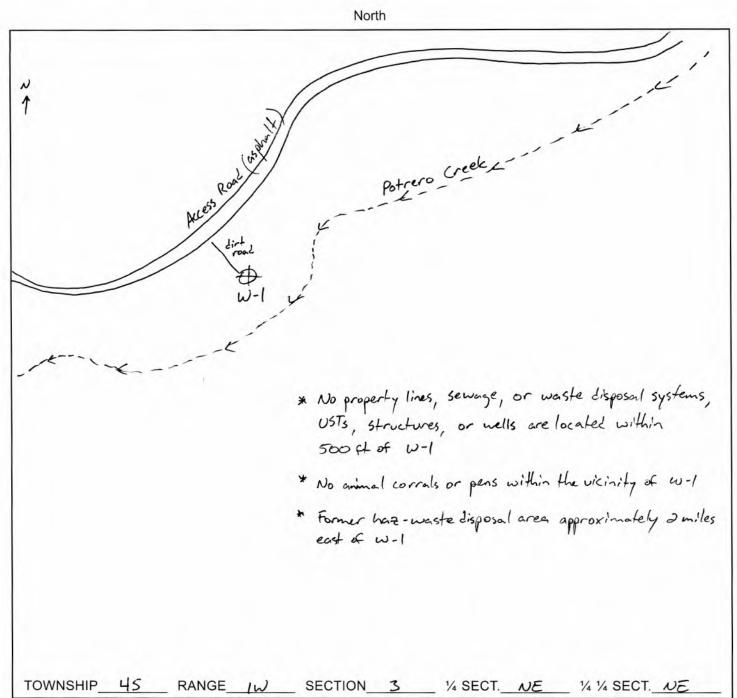
WELL DRILLING PERMIT

	Date September 16, 2005		
ALL ELECTRICAL, PLUMBING, MECHANICAL, AND STRUCTURAL REPAIRS AND INSTALLATIONS SHALL BE DONE UNDER PERMIT FROM RIVERSIDE COUNTY DEPT. OF BUILDING AND SAFETY.	Expiration Date 3-14-06		
THOM THE PROPERTY OF THE PROPE	Fee \$154.02 (non-refundable)		
This permit is granted on condition that the person named in the permit regulations that are now or may hereafter be in force.	it will comply with the laws, ordinances and		
LOCATION OF PROPOSED WELL	. <u>3</u> ; T <u>4S</u> ; R <u>1W</u>		
PHYSICAL ADDRESS OF WELL 17255 Highland Springs Rd Co APN: 421-250-012-1 Well: W-1 NAME Lockheed Martin Corporation DRILLER			
MAILING ADDRESS 2550 N. Hollywood Way, 3rd Floor	J & H Drilling Co. Inc. 1014 E. South Street Anaheim, CA 92805		
CITY & STATE Burbank, CA 91505 By Cha	rlene Rollins		
	rlene Robbins nent; YELLOW—Owner; PINK—Well Driller; GOLDENROD—Flood Control		

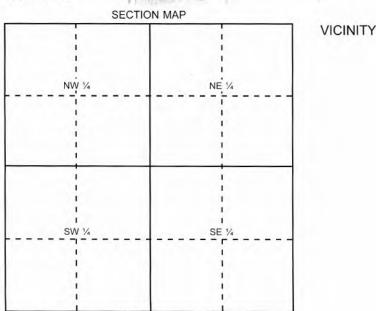
COUNTY OF RIVERSIDE COMMUNITY HEALTH AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH WELL PERMIT APPLICATION

	Cable
■ 4080 Lemon Street, 2nd Floor / P.O. Box 1206 - Riverside, CA 92502 - (S 82675 Hwy. 111, CAC - Indio, CA 92201 - (760) 863-7000 ■ 39493 Los Alamos - Murrieta, CA 92563 - (909) 600-6180	2015-8980 (Well: W-1)
PLEASE REPLY TO ADDRESS CHECKED ABOVE	FOR DEPARTMENT USE ONLY
property destroyed before an approacher for	Permit No. Well: W-1
construction or reconstruction can be processed. Please Print EHW050846	Expiration 3-14-06
1. OWNER: Name Lockhael Machin Corporation	6. ANNUAL SEAL:
Mailing Address 2550 N. Hollywood Way, 3rd Floor	Depthft.
City Burbank State CA	Borehole Diam in.
Zip 91505 Phone No. (818) 847 - 0899	Conductor Diam in.
DATE OF WORK (approximate):	Annular Thickness in.
Start Sept 19 2000 Complete Sept 20, 2005	Sealing Material
	7. DEPTH OF WELL (feet)
Name JEH DRILLING COINC	Proposed Existing 388
	DIAMETER OF BORE (in.)
Riv. Co. Registration No. WOR 94-090	Base - The second secon
C-57 License No. 740 854 05	8. PRODUCTION WELL CASING INSTALLED:
4. WELL CHECK (check) W-1	☑ Steel ☐ Plastic ☐ Other
☐ Community ☐ Monitoring ☐ Industrial	From (ft.) To (ft.) Dia. (in.) Wall (Gage)
☑ Individual ☐ Cathodic ☐ Other	0 388 14
☐ Agricultural ☐ Horizontal	GRAVEL PACK: Yes No Unknown
4A. FOR MONITORING WELL: (Name of Consultant)	Fromtoft.
Name Tetra Tech Phone (909) 381-16	Type of rig PERCUSSION
2.1. 200	
Circletal 100 14	From 21.5 to 200 #
New Reconstruction Destruction 315-29	10. SEALED ZONES (if applicable):
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan.	From to ft.
signs the following certificate: I certify that in the perform	Insurance as a prerequisite to permit issuance unless the applicant mance of the work for which this permit is issued, I shall not
employ any person in any manner so as to become subj	ject to the Workers Compensation Insurance laws of California.
Driller's Signature	Date
	Date
11B. I have read this application and agree to comply with all la	lws regulating the type of work being performed,
1 1 1 1 1 1	
Driller's Signature 3 PLAN H 12. I declare under penalty of perjury under the laws of the	Now pros. Date Olimination furnished as part of this
Driller's Signature 3 PLAN H 12. I declare under penalty of perjury under the laws of the	State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this	State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside application
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this Property Owner's Signature	State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside application Date 9-7-03
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am to County Ordinances in connection with the approval of this Property Owner's Signature ON Hills Alylos DISPOSITION	State of California that the information furnished as part of this degally obligated to obey all requirements of state law and Riversidal Part of Permit
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: DISPOSITION	State of California that the information furnished as part of thi legally obligated to obey all requirements of state law and Riversid polication Date 9-7-03 N OF PERMIT FOR DEPARTMENT USE ONLY
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this Property Owner's Signature ON HILL AINJOS DISPOSITION	State of California that the information furnished as part of thi legally obligated to obey all requirements of state law and Riversid polication Date 7 - 7 - 05 N OF PERMIT FOR DEPARTMENT USE ONL. to make an inspection of the following operations:
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this Property Owner's Signature DISPOSITION Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the conductor (outer) casing prior to	State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside application Date 7-7-03 NOF PERMIT FOR DEPARTMENT USE ONLY to make an inspection of the following operations: inductor casing.
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am to County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the con Verify the depth of the conductor (outer) casing prior to After installation of the surface protective slab and pumpers.	State of California that the information furnished as part of thi legally obligated to obey all requirements of state law and Riverside application Date 7 - 7 - 05 NOF PERMIT FOR DEPARTMENT USE ONLY to make an inspection of the following operations: inductor casing. To further drilling and installation of the inner casing. To provide the provided that the performed part of the inner casing. The provided that the provided that the inner casing is pointed as part of the inner casing.
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this Property Owner's Signature DISPOSITION Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the con Verify the depth of the conductor (outer) casing prior to After installation of the surface protective slab and pump During destruction of wells, prior to pouring the sealing	State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside application Date 7 - 7 - 03 NOF PERMIT FOR DEPARTMENT USE ONLY to make an inspection of the following operations: inductor casing. To further drilling and installation of the inner casing. In ping equipment.
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this Property Owner's Signature DISPOSITION Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the con Verify the depth of the conductor (outer) casing prior to After installation of the surface protective slab and pump During destruction of wells, prior to pouring the sealing B. Approved Plot Plan.	State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside application Date 9-7-03 NOF PERMIT FOR DEPARTMENT USE ONLY to make an inspection of the following operations: inductor casing. Inductor casing and installation of the inner casing. In ping equipment. It material.
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the con Verify the depth of the conductor (outer) casing prior to After installation of the surface protective slab and pump During destruction of wells, prior to pouring the sealing B. Approved Plot Plan. C. Submit to the Department within thirty (60) days after comp	State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside application Date 9-7-03 NOF PERMIT FOR DEPARTMENT USE ONLY to make an inspection of the following operations: inductor casing. Inductor casing and installation of the inner casing. In ping equipment. In material.
Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am le County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the con Verify the depth of the conductor (outer) casing prior to After installation of the surface protective slab and pump During destruction of wells, prior to pouring the sealing B. Approved Plot Plan. C. Submit to the Department within thirty (60) days after company Water Well Driller's Report (DWR 188).	State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside application Date 7-7-03 NOF PERMIT FOR DEPARTMENT USE ONLY to make an inspection of the following operations: inductor casing. Inductor casing and installation of the inner casing. In ping equipment. It material.

OWNER'S NAME: Lockheed Martin Corporation	[well: W-1]
SITE: Beaumont Site #1	Department Use Only PERMIT NO.
CITY: Beaumont, CA	
ASSESSOR'S P.M. NO.: 430 - 040 - 017	



NOTE: Please see reverse side for information which must be shown on this Plot plan in order to process this permit application.



VICINITY MAP

ATTACHMENT NO. 1

(FOR WELL PERMIT PLOT PLAN)

- 1. The Plot Plan shall show the proposed well location with respect to the following items which a radius of five-hundred feet (500') from the well;
 - a. Property lines, including ownership.
 - Sewage or waste disposal systems, (including reserved waste disposal expansion areas), or works for carrying or containing sewage or waste.
 - c. Location of underground storage tank(s).
 - d. All intermittent or perennial, natural, or artificial bodies of water or watercourses.
 - e. The approximate drainage pattern of the property.
 - f. Other wells, including abandoned wells.

NOTE: All abandoned wells on this property must be properly destroyed before a new well permit can be issued.

- g. Access road(s) to the well site.
- h. Structures.
- Location of the property on a vicinity map including the legal description of the property (Assessor's Parcel Map/Tract Map Number).
- 3. Location and classification by visual inspection of any solid, liquid, or hazardous waste disposal sites to include municipal and individual package sewage treatment plants within two-thousand (2,000') feet of the proposed well.
- 4. Animal corrals and pens.
- 5. Other information that has been requested by the Health Department to determine if the underground waters will be adequately protected.

This space to be used to describe reconstruction of destruction method used:

Well W-1

Because of the endangered species Stephen's kangaroo rat (SKR) in high density around the well location and the soil type of the area around the well vehicle access to the well for well destruction is limited. Due to the SKR concerns and resultant access problems, as well as well casing current condition, the well will be destroyed by filling with grout from the bottom of the well using a 10-sack sand slurry without perforating the casing. The grout will be pumped into the well using a tremie pipe lowered to the bottom of the well. The grout will be pumped at a slow rate to prevent bridging in the lower casing. The amount of pumped concrete will be compared against the calculated volume of the casing to ensure the entire well casing volume has been filled. Because of the SKR located around the well excavation of the well surface completion will not be possible. The well surface completion will be left in place and the well will be grouted as described above to the top of the casing.

28227

WELL DRILLING PERMIT

ALL ELECTRICAL, PLUMBING, MECHANICAL, AND STRUCTURAL REPAIRS AND INSTALLATIONS SHALL BE DONE UNDER PERMIT FROM RIVERSIDE COUNTY DEPT. OF BUILDING AND SAFETY.	Date <u>January 15, 2004</u> Expiration Date <u>7-8-04</u>
THOM HIVEHOLDE GOONT DELT. OF BOILDING AND SALETT.	Fee \$153.27 (non-refundable)
This permit is granted on condition that the person named in the permit regulations that are now or may hereafter be in force.	will comply with the laws, ordinances and
LOCATION OF PROPOSED WELL	36 ; T 4S ; R 1W
APN: 430-040-017 Well: W-2	mmunity Beaumont
	Nater Development Corporation 5566 Arrow Highway
MAILING ADDRESS	Montclair, Ca. 91763
CITY & STATE Burbank, Ca. 91505	
	ene Robbins

Distribution: WHITE-Environmental Health Department; YELLOW-Owner; PINK-Well Driller; GOLDENROD-Flood Control

DEH-SAN-025 (Rev 10/02)

COUNTY OF RIVERSIDE COMMUNITY HEALTH AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH WELL PERMIT APPLICATION (For Construction, Reconstruction & Destruction)

(For Construction, Recor	nstruction & Destruction)
 ☐ 4080 Lemon Street, 2nd Floor / P.O. Box 1206 - Riverside, CA 92502 - ☐ 82675 Hwy, 111, CAC - Indio, CA 92201 - (760) 863-7000 ☐ 39493 Los Alamos - Murrieta, CA 92563 - (909) 600-6180 	(909) 955-8980 Well: W-2
PLEASE REPLY TO ADDRESS CHECKED ABOVE	FOR DEPARTMENT USE ONLY
NOTE: Any abandoned wells on the property must be	Permit No
properly destroyed before an application for construction or reconstruction can be processed.	Permit No.
EHW 040016	Expiration $\frac{7/8/01}{}$
Please Print Consultant check 0578	
1. OWNER: Name Lockheed Martin Corporation	6. ANNUAL SEAL:
Mailing Address 2550 N. Hollywood Way, 3rd Floor	Depth ft.
City Burbank State CA	Borehole Diam in.
Zip_91505_Phone No.(818) 847-0899	Conductor Diam in.
2. DATE OF WORK (approximate):	Annular Thickness in.
StartComplete	Sealing Material
3. WELL DRILLER	7. DEPTH OF WELL (feet)
Name Water Development COV	Proposed Existing 250
	DIAMETER OF BORE (in.) ~ 12-14% 8-10
Riv. Co. Registration No. 04-05/	
C-57 License No.	8. PRODUCTION WELL CASING INSTALLED:
4. WELL CHECK (check)	X Steel ☐ Plastic ☐ Other
☐ Community ☐ Monitoring ☐ Industrial	From (ft.) To (ft.) Dia. (in.) Wall (Gage)
☑ Individual ☐ Cathodic ☐ Other	0 250 8
√ Agricultural	GRAVEL PACK: Yes No Unknown
	From toft.
4A. FOR MONITORING WELL: (Name of Consultant)	Type of rig
Name Tetra Tech MPhone 381-167	
5. TYPE OF WORK (check)	9. PERFORATIONS (if applicable):
☐ New ☐ Reconstruction ☑ Destruction	From 93 to 250 ft.
	10. SEALED ZONES (if applicable):
 If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 	Fromtoft.
signs the following certificate: I certify that in the perfor employ any person in any manner so as to become sub	Insurance as a prerequisite to permit issuance unless the applicant rmance of the work for which this permit is issued, I shall not bject to the Workers Compensation Insurance laws of California. Date
11B. I have read this application and agree to comply with all la	
	DateDate
and the transfer of the second state of the se	e State of California that the information furnished as part of this legally obligated to obey all requirements of state law and Riverside application.
County Ordinances in connection with the approval of this Property Owner's Signature DISPOSITIO	er Arrhodichead Date 11-19-03
12/11/12	W OF DEDMIT
1 10 1 171	
Approved subject to the following:	FOR DEPARTMENT USE ONLY
 A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the collection. 	
☐ Verify the depth of the conductor (outer) casing prior to	
ter installation of the surface protective slab and pum	
During destruction of wells, prior to pouring the sealing	g material.
B. Approved Plot Plan.	
C. Submit to the Department within thirty (60) days after com- Water Well Driller's Report (DWR 188).	pletion of work, a copy of:
NOTE: Property located within the Rancho California Water D District.	District may be subject to an existing Agency Agreement with said
D. Other:	

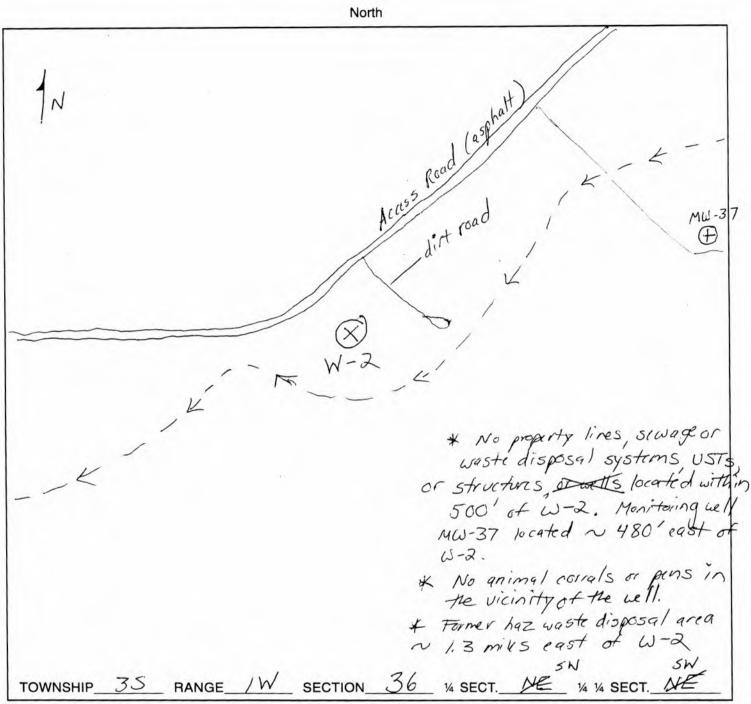
Well: W-2

OWNER'S NAME: Lockhed Martin Corporation

SITE: Beaumont Site #/

CITY: Beaumont, CA

ASSESSOR'S P.M. NO.: 430-040-017



NOTE: Please see reverse side for information which must be shown on this Plot plan in order to process this permit application.

SECTION	ON MAP
NW 14	NE 14
1 1 1 1 1	
SW 1/4	SE 14
1	

VICINITY MAP

30826

WELL DRILLING PERMIT

	Date September 16, 2005
ALL ELECTRICAL, PLUMBING, MECHANICAL, AND STRUCTURAL REPAIRS AND INSTALLATIONS SHALL BE DONE UNDER PERMIT FROM RIVERSIDE COUNTY DEPT. OF BUILDING AND SAFETY.	Expiration Date 3-14-06
	Fee \$154.02 (non-refundable)
This permit is granted on condition that the person named in the peregulations that are now or may hereafter be in force.	rmit will comply with the laws, ordinances and
LOCATION OF PROPOSED WELL	Sec. 35; T 3S; R 1W
PHYSICAL ADDRESS OF WELL 17255 Highland Springs Rd APN: 421-250-010-9 Well: W-2	
NAME Lockheed Martin Corporation DRILLER	J & H Drilling Co. Inc.
MAILING ADDRESS 2550 N. Hollywood Way, 3rd Floor	1014 E. South Street Anaheim, CA 92805
CITY & STATE Burbank, CA 91505 By	Charlene Papelais
CI	harlene Robbins

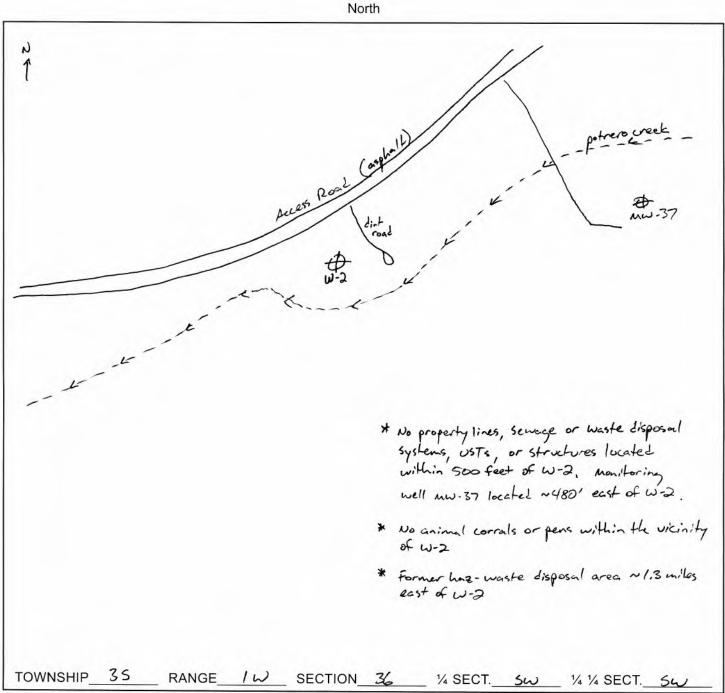
COUNTY OF RIVERSIDE COMMUNITY HEALTH AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH WELL PERMIT APPLICATION

(For Construction, Reco	onstruction & Destruction)
■ 4080 Lemon Street, 2nd Floor / P.O. Box 1206 - Riverside, CA 92502 - 82675 Hwy. 111, CAC - Indio, CA 92201 - (760) 863-7000 □ 39493 Los Alamos - Murrieta, CA 92563 - (909) 600-6180 PLEASE REPLY TO ADDRESS CHECKED ABOVE	(909) 955-8980 (# Cbbb) [Well: W-2]
PLEASE REPLY TO ADDRESS CHECKED ABOVE	FOR DEPARTMENT USE ONLY
NOTE: Any abandoned wells on the property must be properly destroyed before an application for	Permit No
construction or reconstruction can be processed. Please Print Please Print	Expiration
1. OWNER: Name Lockheel Mortin Corporation	6. ANNUAL SEAL:
Mailing Address 2550 N. Hollywood Way, 3rd Floor	Depthft.
City Burbank State CA	Borehole Diam in.
Zip 91505 Phone No. (818) 847 - 0899	Conductor Diam in.
DATE OF WORK (approximate):	Annular Thickness in.
English Edward Committee C	Sealing Material
Start Sept 20, 2001 Complete Sept 21, 2400	most resignation and resignation of the state of the stat
3. WELL DRILLER	7. DEPTH OF WELL (feet)
Name JEH DRILLING CO INC	ProposedExisting250'
Riv. Co. Registration No. WOR 94-090	DIAMETER OF BORE (in.) ~8-10"
C-57 License No. 74085405	8. PRODUCTION WELL CASING INSTALLED:
4. WELL CHECK (check) W-2	★ Steel
Community Monitoring Industrial	From (ft.) To (ft.) Dia. (in.) Wall (Gage)
	0 250 8
	GRAVEL PACK: Yes No Unknown
Agricultural Horizontal	
4A. FOR MONITORING WELL: (Name of Consultant) Name Tetra Tech Phone (904) 331 -1	
5. TYPE OF WORK (check) New Reconstruction Destruction (957) 315 5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan.	9. PERFORATIONS (if applicable): 244 From
signs the following certificate: I certify that in the perfe	on Insurance as a prerequisite to permit issuance unless the applicant permance of the work for which this permit is issued, I shall not abject to the Workers Compensation Insurance laws of California.
Driller's Signature	Date
11B. I have read this application and agree to comply with all	laws regulating the type of work being performed.
	HOLEW, PROS Date 9/7/05
12. I declare under penalty of perjury under the laws of the	ne State of California that the information furnished as part of this in legally obligated to obey all requirements of state law and Riverside
	ON OF PERMIT
Approved subject to he following: A. Notify the Department, , forty-eight (48) hours in advance	FOR DEPARTMENT USE ONLY
Prior to sealing of the annular space or filling of the co	
☐ Verify the depth of the conductor (outer) casing prior	
After installation of the surface protective slab and pu	
During destruction of wells, prior to pouring the sealing	ng material.
B. Approved Plot Plan.	
C. Submit to the Department within thirty (60) days after co Water Well Driller's Report (DWR 188).	mpletion of work, a copy of:
NOTE: Property located within the Rancho California Water District.	District may be subject to an existing Agency Agreement with said
D. Other:	

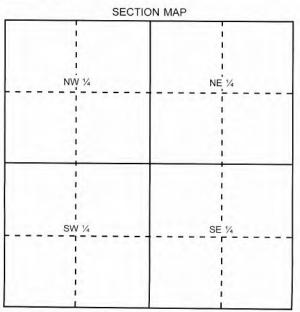
DEH-SAN-185A (Rev 5/02)

OWNER'S NAME: Loddel Martin Corporation Begument Site #1 CITY: Beaumont, CA ASSESSOR'S P.M. NO.: 430 -040 - 017

well: w-2 **Department Use Only** PERMIT NO.



NOTE: Please see reverse side for information which must be shown on this Plot plan in order to process this permit application.



VICINITY MAP

ATTACHMENT NO. 1

(FOR WELL PERMIT PLOT PLAN)

- 1. The Plot Plan shall show the proposed well location with respect to the following items which a radius of five-hundred feet (500') from the well;
 - a. Property lines, including ownership.
 - Sewage or waste disposal systems, (including reserved waste disposal expansion areas), or works for carrying or containing sewage or waste.
 - c. Location of underground storage tank(s).
 - d. All intermittent or perennial, natural, or artificial bodies of water or watercourses.
 - e. The approximate drainage pattern of the property.
 - f. Other wells, including abandoned wells.

NOTE: All abandoned wells on this property must be properly destroyed before a new well permit can be issued.

- g. Access road(s) to the well site.
- h. Structures.
- 2. Location of the property on a vicinity map including the legal description of the property (Assessor's Parcel Map/Tract Map Number).
- 3. Location and classification by visual inspection of any solid, liquid, or hazardous waste disposal sites to include municipal and individual package sewage treatment plants within two-thousand (2,000') feet of the proposed well.
- 4. Animal corrals and pens.
- 5. Other information that has been requested by the Health Department to determine if the underground waters will be adequately protected.

This space to be used to describe reconstruction or destruction method used:

Well W-2

Because of the endangered species Stephen's kangaroo rat (SKR) in high density around the well location, and the soil type of the area around the well, vehicle access to the well for well destruction is not possible. Due to the SKR concerns and resultant access problems, the well will be destroyed by filling with grout using a 10-sack sand slurry without perforating the casing. The grout will be conveyed to the well using a concrete truck and pump parked on the road with a hose running to the well without the use of a tremie pipe. The hose will be lowered to 20 feet below ground surface in the well with the hose lifted slowly from the well as the concrete fills the casing. The grout will be pumped at a slow rate to prevent bridging in the lower casing. The amount of pumped concrete will be compared against the calculated volume of the casing to ensure the entire well casing volume has been filled. Because of the SKR located around the well excavation of the well surface completion will not be possible. The well surface completion will be left in place and the well will be grouted as described above to the top of the casing.

28228

WELL DRILLING PERMIT

ALL ELECTRICAL, PLUMBING, MECHANICAL, AND STRUCTURAL REPAIRS AND INSTALLATIONS SHALL BE DONE UNDER PERMIT FROM RIVERSIDE COUNTY DEPT. OF BUILDING AND SAFETY.	Expiration Date 7-8-04 Fee \$153.27 (non-refundable)
This permit is granted on condition that the person named in the permit regulations that are now or may hereafter be in force.	
LOCATION OF PROPOSED WELL SW 1/4 SW 1/4; Sec.	
PHYSICAL ADDRESS OF WELL Beaumont Site #1 Con APN: 430-040-017 Well: W-5	
MAILING ADDRESS	Nater Development Corporation 5566 Arrow Highway
2550 N. Hollywood way, 5rd Floor	Montclair, Ca. 91763
CITY & STATE Burbank, Ca. 91505 By	arlene Caples

DEH-SAN-025 (Rev 10/02)

MBANDONMENT

Distribution: WHITE—Environmental Health Department; YELLOW—Owner; PINK—Well Driller; GOLDENROD—Flood Control

Charlene Robbins

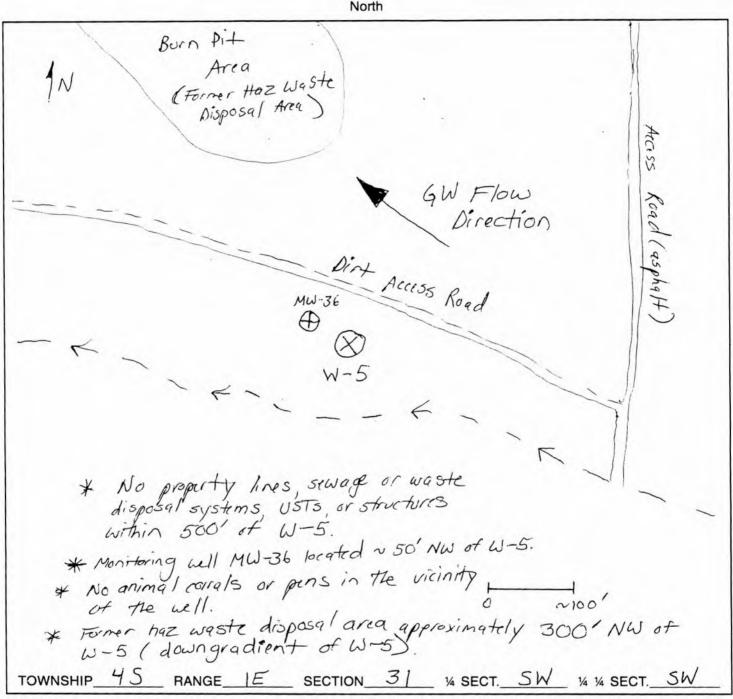
COUNTY OF RIVERSIDE COMMUNITY HEALTH AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH WELL PERMIT APPLICATION (For Construction, Reconstruction & Destruction)

4080 Lemon Street, 2nd Floor / P.O. Box 1206 - Riverside, CA 92502 - (82675 Hwy. 111, CAC - Indio, CA 92201 - (760) 863-7000 39493 Los Alamos - Murrieta, CA 92563 - (909) 600-6180	[1 11 1 1 1 1 1 1 1 1 1 1
NOTE: Any abandoned wells on the property must be properly destroyed before an application for construction or reconstruction can be processed. Please Print Consultant Chee 057	Permit No. 28228 Expiration 7/8/04
1. OWNER: Name Lockheed Martin Corporation Mailing Address 2550 N. Hollywood Way, 3rd Flor City Burbank State CA Zip 91505 Phone No. (818) 847-0899	6. ANNUAL SEAL: Depthft. Borehole Diamin. Conductor Diamin.
2. DATE OF WORK (approximate):	Annular Thickness in.
StartComplete	Sealing Material
3. WELL DRILLER Name Water Development Coy Riv. Co. Registration No C-57 License No	7. DEPTH OF WELL (feet) ProposedExisting/2.8′ DIAMETER OF BORE (in.)6-8″ 8. PRODUCTION WELL CASING INSTALLED:
4. WELL CHECK (check)	X Steel ☐ Plastic ☐ Other
☐ Community ☐ Monitoring ☐ Industrial	From (ft.) To (ft.) Dia. (in.) Wall (Gage)
☑ Individual ☐ Cathodic ☐ Other	0 128 6
Agricultural	GRAVEL PACK: Yes No Unknown
4A. FOR MONITORING WELL; (Name of Consultant) Name To tru Tech INC Phone 381-1474	Fromtoft. Type of rig
5. TYPE OF WORK (check) ☐ New ☐ Reconstruction ☑ Destruction	9. PERFORATIONS (if applicable): From 60 to 128 ft.
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan.	10. SEALED ZONES (if applicable): Fromtoft.
employ any person in any manner so as to become subje	nsurance as a prerequisite to permit issuance unless the applicant nance of the work for which this permit is issued, I shall not ect to the Workers Compensation Insurance laws of California. Date
11B. I have read this application and agree to comply with all law	vs regulating the type of work being performed.
Driller's Signature / Judalu	Date///7/03
application is true and correct. I also understand that I am leg	State of California that the information furnished as part of this gally obligated to obey all requirements of state law and Riverside application. Date H-6-3
Property Owner's Signature Trude Gettly	A Committee of the Comm
1 8 0 0 M DISPOSITION Approved subject to the following:	
A. Notify the Department, , forty-eight (48) hours in advance to Prior to sealing of the annular space or filling of the conductor (outer) casing prior to full After installation of the surface protective slab and pumpi	ductor casing. further drilling and installation of the inner casing. ing equipment.
B. Approved Plot Plan.	
 C. Submit to the Department within thirty (60) days after complete Water Well Driller's Report (DWR 188). 	etion of work, a copy of:
NOTE: Property located within the Rancho California Water Dist District.	trict may be subject to an existing Agency Agreement with said
D. Other:	

Well: W-5

	NAME: Lockheed Martin Corporation	Department Use Only
ITE:	Beaumont Site #1	PERMIT NO.
ITY:	Beaumont, CA	

North



NOTE: Please see reverse side for information which must be shown on this Plot plan in order to process this permit application.

SECTION	MAP !	VICINITY MAP
NW 1/4	NE 14	
sw ¼	SE 1/4	

SAN-185B (Rev 5/02)

30827

WELL DRILLING PERMIT

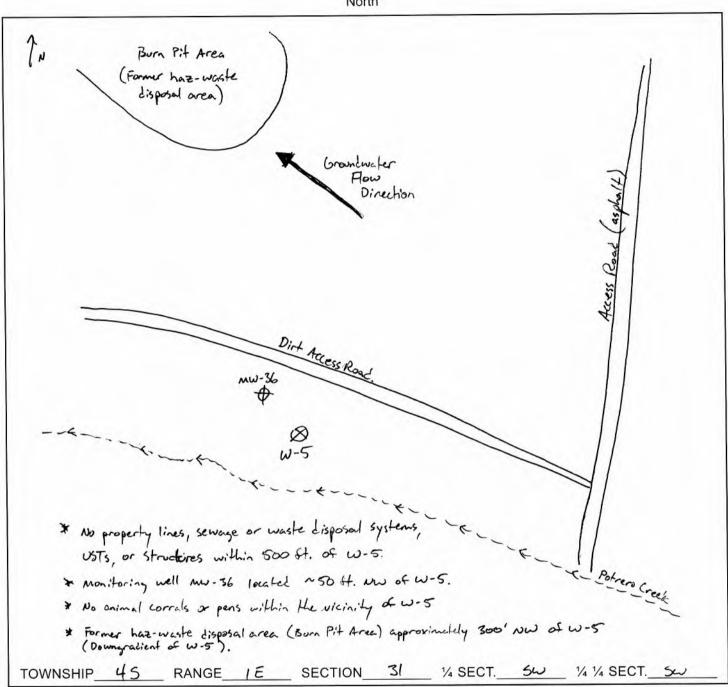
	Date September 16, 2005
ALL ELECTRICAL, PLUMBING, MECHANICAL, AND STRUCTURAL REPAIRS AND INSTALLATIONS SHALL BE DONE UNDER PERMIT FROM RIVERSIDE COUNTY DEPT. OF BUILDING AND SAFETY.	Expiration Date 3-14-06
THOM THE ENGLISH SOUTH BEING THE STATE OF TH	Fee \$154.02 (non-refundable)
This permit is granted on condition that the person named in the perm regulations that are now or may hereafter be in force.	it will comply with the laws, ordinances and
LOCATION OF PROPOSED WELL	; T; R1W
PHYSICAL ADDRESS OF WELL 17255 Highland Springs Rd Co	ommunity <u>Beaumont</u>
NAME 421-250-005-5 Well: W-5 DRILLER	J & H Drilling Co. Inc.
MAILING ADDRESS 2550 N. Hollywood Way, 3rd Floor	1014 E. South Street Anaheim, CA 92805
CITY & STATE Burbank, CA 91505	Garlene Raldin
The same of the sa	rlene Robbins

COUNTY OF RIVERSIDE COMMUNITY HEALTH AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH WELL PERMIT APPLICATION

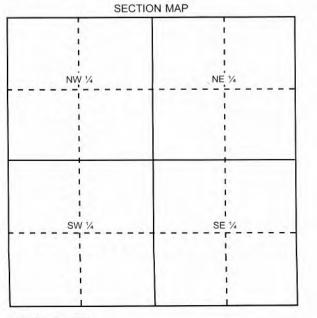
4080 Lemon Street, 2nd Floor / P.O. Box 1206 - Riverside, CA 92502 - 82675 Hwy. 111, CAC - Indio, CA 92201 - (760) 863-7000 39493 Los Alamos - Murrieta, CA 92563 - (909) 600-6180 PLEASE REPLY TO ADDRESS CHECKED ABOVE	FOR DEPARTMENT USE ONLY
NOTE: Any abandoned wells on the property must be	1462 100
properly destroyed before an application for	Permit No
construction or reconstruction can be processed. Please Print	Expiration
Mailing Lodcheed Martin Corporation	6. ANNUAL SEAL:
Address 2550 N. Hollywood Way, 3th Floor	Depthft.
City Burbank State CA	Borehole Diam in.
Zip 91505 Phone No. (8/8) 847 - 0899	Conductor Diam in.
2. DATE OF WORK (approximate):	Annular Thickness in.
Start Sept 23, 2003 Complete Sept 23, 2005	Sealing Material
3. WELL DRILLER	7. DEPTH OF WELL (feet)
Name JEH DRILLING CO INC	Proposed Existing 128
	DIAMETER OF BORE (in.) ~6-8"
Riv. Co. Registration No. WOR 97-090	
C-57 License No. 740854 CS	8. PRODUCTION WELL CASING INSTALLED:
4. WELL CHECK (check) (W-5)	Steel
☐ Community ☐ Monitoring ☐ Industrial	From (ft.) To (ft.) Dia. (in.) Wall (Gage)
☑ Individual ☐ Cathodic ☐ Other	0 138 6 10
☐ Agricultural ☐ Horizontal	GRAVEL PACK: Yes No unknown
5. TYPE OF WORK (check)	2998 From 60 to 128
□ New □ Reconstruction ☑ Destruction (951) 315	
(131) 31-	10. SEALED ZONES (if applicable):
 5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performance of the content of the content	10. SEALED ZONES (if applicable):
 5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performance of the content of the content	10. SEALED ZONES (if applicable): Fromto
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performance employ any person in any manner so as to become surpriller's Signature 11B. I have read this application and agree to comply with all light complex to com	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performance and performance as to become surpriller's Signature 11B. I have read this application and parent to comply with all lines.	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the perform employ any person in any manner so as to become sure the Driller's Signature 11B. I have read this application and parter to comply with all Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am County Ordinances in connection with the approval of this	10. SEALED ZONES (if applicable): From
 5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the perform employ any person in any manner so as to become sure Driller's Signature 11B. I have read this application and parter to comply with all Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am 	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performent of the performent	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performent of the performent	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performent of the employ any person in any manner so as to become surpriller's Signature 11B. I have read this application and surpress to comply with all Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performent of the employ any person in any manner so as to become sure the property of perjury under the laws of the application is true and correct. I also understand that I am County Ordinances in connection with the approval of this Property Owner's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance of the property of the county of the annular space or filling of the county of the annular space or filling of the county of the annular space or filling of the county of the annular space or filling of the county of the annular space or filling of the county of the annular space or filling of the county of the annular space or filling of the county of the county of the annular space or filling of the county of the	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performent of the employ any person in any manner so as to become sure to complete the period of the period of the period of the application is true and correct. I also understand that I am County Ordinances in connection with the approval of the Property Owner's Signature Towns The Property Owner's Signature Towns The Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performance of the employ any person in any manner so as to become sure to comply with all Individual Driller's Signature 11B. I have read this application and parter to comply with all Individual Priller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance Prior to sealing of the annular space or filling of the conductor (outer) casing prior to the conductor (outer) casing prior	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performance employ any person in any manner so as to become sure Driller's Signature 11B. I have read this application and sures to comply with all Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance Prior to sealing of the annular space or filling of the conductor (outer) casing prior to After installation of the surface protective slab and pur	10. SEALED ZONES (if applicable): From
5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan. 11A. The California Labor code requires Worker's Compensation signs the following certificate: I certify that in the performance of the employ any person in any manner so as to become sure to comply with all Driller's Signature 11B. I have read this application and agree to comply with all Driller's Signature 12. I declare under penalty of perjury under the laws of the application is true and correct. I also understand that I am County Ordinances in connection with the approval of this Property Owner's Signature Approved subject to the following: A. Notify the Department, , forty-eight (48) hours in advance Prior to sealing of the annular space or filling of the complete of the conductor (outer) casing prior in After installation of the surface protective slab and pur During destruction of wells, prior to pouring the sealing of the sealing of the surface protective slab and pur During destruction of wells, prior to pouring the sealing of the sealing of the surface protective slab and pur During destruction of wells, prior to pouring the sealing of the surface protective slab and pur During destruction of wells, prior to pouring the sealing of the surface protective slab and pur During destruction of wells, prior to pouring the sealing the sealing of the surface protective slab and pur During destruction of wells, prior to pouring the sealing the sealing the sealing of the surface protective slab and pur During destruction of wells, prior to pouring the sealing	10. SEALED ZONES (if applicable): From

OWNED'S NAME	: Lookheed Martin Corporation	[Well: W-5]
		Department Use Only
SITE:	Beaumont Site #1	PERMIT NO
CITY:	Beaumont, CA	
ASSESSOR'S P.I	M. NO.: 430-040-017	

North



NOTE: Please see reverse side for information which must be shown on this Plot plan in order to process this permit application.



VICINITY MAP

SAN-185B (Rev 5/02)

ATTACHMENT NO. 1

(FOR WELL PERMIT PLOT PLAN)

- 1. The Plot Plan shall show the proposed well location with respect to the following items which a radius of five-hundred feet (500') from the well;
 - a. Property lines, including ownership.
 - Sewage or waste disposal systems, (including reserved waste disposal expansion areas), or works for carrying or containing sewage or waste.
 - c. Location of underground storage tank(s).
 - d. All intermittent or perennial, natural, or artificial bodies of water or watercourses.
 - e. The approximate drainage pattern of the property.
 - f. Other wells, including abandoned wells.

NOTE: All abandoned wells on this property must be properly destroyed before a new well permit can be issued.

- g. Access road(s) to the well site.
- h. Structures.
- 2. Location of the property on a vicinity map including the legal description of the property (Assessor's Parcel Map/Tract Map Number).
- 3. Location and classification by visual inspection of any solid, liquid, or hazardous waste disposal sites to include municipal and individual package sewage treatment plants within two-thousand (2,000') feet of the proposed well.
- 4. Animal corrals and pens.
- Other information that has been requested by the Health Department to determine if the underground waters will be adequately protected.

This space to be used to describe reconstruction or destruction method used:

Well W-5

Because of the endangered species Stephen's kangaroo rat (SKR) in high density around the well location and the soil type of the area around the well vehicle access to the well for well destruction is limited. Due to the SKR concerns and resultant access problems, as well as well casing current condition, the well will be destroyed by filling with grout from the bottom of the well using a 10-sack sand slurry without perforating the casing. The grout will be pumped into the well using a tremie pipe lowered to the bottom of the well. The grout will be pumped at a slow rate to prevent bridging in the lower casing. The amount of pumped concrete will be compared against the calculated volume of the casing to ensure the entire well casing volume has been filled. Because of the SKR located around the well excavation of the well surface completion will not be possible. The well surface completion will be left in place and the well will be grouted as described above to the top of the casing.

Page 1		
*******	******	********
Riverside County LMS		SET: HW050846
*******	******	*******
Receipt Number: R051	9023 Amount:	462.06 09/15/05 16:13
Payment Method:CK	Notation: 0666	Init: CY
*******	******	*******
Set Members:		
EHW050846	154.02 EHW05	50847 154.02
EHW050848	154.02	
Account Code	Description	Paid
100004200420774830	ENVH: WELL PERMIT	F FEES 453.00
202033100200772210	ENVH: LMS SURCHAI	RGE FEES 9.06
	Total fee Pa	ayments: 462.06

Attachment 3 **DWR Well Completion Reports**

TRIPLICATE Owner's Copy

STATE OF CALIFORNIA

WELL COMPLETION REPORT Refer to Instruction Pamphlet

Page 1 of 1 Owner's Well No. Well #1

No. e016904

Date Work Began 9/7/2005

_, Ended 10/14/2005

Local Permit Agency Riverside D. E. H. Permit No. 308-25

Permit Date 9/19/2005

- DWR USE ONLY	- DO NOT FILL IN
1111	
STATE WE	LL NO./ STATION NO.
11111	
LATITUDE	LONGITUDE
11111	1111111
APN	/TRS/OTHER

GEOLOGIC I	OG —	WELL OWNER —	
ORIENTATION (V VERTICAL HOR	ZONTAL ANGLE (SPECIFY)	Name Lockheed Martin Corporation	
DRILLING ROTARY	FLUID	Mailing Address 6901 Rockledge Dr.	
	SCRIPTION	Bethesda	MD 20817
	al, grain, size, color, etc.	CITY WELL LOCATION	STATE ZIP
This well was located	in a Federally protected	Address Highland Springs Rd.	
	one (Stephen's Kangaroo	City Beaumont CA	
Rat [SKR]). Television	n inspection revealed partial	County Riverside	
collapse of casing at	92', 213', 245' and 272' BGS.	APN Book 430 Page 040 Parcel 017	
Perforations began a	210' BGS to the T.D. @388'.	Township 3 S Range 1 W Section 36	
A submersible pump	was removed and a 14" cas-	Latitude 33 51 23 N 1	16 57 44 W
ing extension was we	lded in place. The extension	DEG. MIN. SEC.	DEG. MIN. SEC.
allowed the displaced	water to be captured and	LOCATION SKETCH—	— ACTIVITY (✓) — NEW WELL
removed for disposal	The well was tremie pumped		ALVIEW AND ALVIEW AND ADDRESS OF
in two stages beginni	ng at 357' BGS using 10 cyds		MODIFICATION/REPAIR — Deepen
	cement grout. After curing for		- Other (Specify)
three days and additi	onal 5.5 cyds was pumped in		/ DECEDOY (Deserte
from a depth of 137 f	to the surface. Beacuse of	T .	▼ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG"
the SKRs the casing	was not excavated. A steel		PLANNED USES (∠)
cover was welded in	place at the ground surface.		WATER SUPPLY
The cover will be star	nped dating the destruction	WEST	Domestic Public Imigation Industrial
date and method.		N A	
			MONITORING — TEST WELL —
			CATHODIC PROTECTION
			HEAT EXCHANGE
			DIRECT PUSH
			INJECTION
			VAPOR EXTRACTION SPARGING
	1-13	SOUTH —	REMEDIATION
		Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if	OTHER (SPECIFY)
		necessary. PLEASE BE ACCURATE & COMPLETE,	
		WATER LEVEL & YIELD OF COMPL	ETED WELL
		DEPTH TO FIRST WATER 23 (Ft.) BELOW SURFACE	E
	3.00-20		
		DEPTH OF STATIC WATER LEVEL 23 (Ft.) & DATE MEASURED _	9/19/2005
707.1. DEPTH OF BODDIG 300		ESTIMATED YIELD * (GPM) & TEST TYPE	
TOTAL DEPTH OF BORING 390 (Fee			(Ft.)
TOTAL DEPTH OF COMPLETED WELL 388	(Feet)	May not be representative of a well's long-term yiel	ld.

DEPTH FROM SURFACE		BORE -		CASING (S)							DEPTH			ANNULAR MATERIAL					
		HOLE	TYPE (✓)						1000	FROM				TYPE					
Ft. to	Ft.	DIA. (Inches)	BLANK	SCREEN	CON- DUCTOR FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	to	Ft.	CE- MENT (✓)	BEN- TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)			
0	210	16	1			STEEL	14	.250	0	0)	20	1						
210	388	16				STEEL	14	.250	.250		-								
											+					-			

ATTACHMENTS ()	CEF	RTIFICATION STATEMENT -		
Geologic Log Well Construction Diagram	I, the undersigned, certify that this report is complete a NAME_J. & H. Drilling Co., Inc.	and accurate to the best of my knowledge and believed	ef.	
Geophysical Log(s)	(PERSON, FIRM, OR CORPORATION) (TYPE	ED OR PRINTED)		
Soil/Water Chemical Analysis	1014 E. South-St.	Anaheim	CA	92805-5348
✓ Other map and photo ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	ADDRESS Signed WELLOWILLER/AUTHORIZED REPRESENT	L. HOVE POSSIENO 10/27/05 TATIVE DATE SIGNED		ZIP 0854 57 LICENSE NUMBE

TRIPLICATE Owner's Copy

STATE OF CALIFORNIA

WELL COMPLETION REPORT

Refer to Instruction Pamphlet

Page 1 of 1 Owner's Well No. Well #2

No. e016905

Date Work Began 9/7/2005

., Ended 10/14/2005

Local Permit Agency Riverside Co. D.E.H. Permit No. 308-26

Permit Date 9/19/2005

		1 1 1 1 1 1 1
	STATE WEL	L NO./ STATION NO.
1 1	1	and the first of
LATITU	DE	LONGITUDE

ORIENTATION (✓)	GEOLOGIC LOG VERTICAL HORIZONTAL ANGLE (SPECIFY)	Name Lockheed Martin Corporation				
DEPTH FROM SURFACE Ft. to Ft.	DRILLING ROTARY METHOD ROTARY DESCRIPTION Describe material, grain, size, color, etc.	Mailing Address 6901 Rockledge Dr. Bethesda CITY	MD STATE	20817 ZIP		
76. 10 76.	This well was located in a Federally protected	Address Highland Springs Rd.				
	Endangered Species Zone (Stephen's Kangaroo	City Beaumont CA				
	Rat {SKR}). Television inspection revealed perfor-	County Riverside				
	ations starting at 93' BGS and continuing to a soft	APN Book 430 Page 040 Parcel 017				
	bottom at 247' BGS. This well was situated in a	Township 3 S Range 1 W Section 36				
	high concentration of SKR burrows and equipment		116 57	9 W		
	was not allowed to drive near the well platform. A	DEG. MIN. SEC.	DEG. MIN.	SEC.		
	steel pressure head was welded to the top of the	LOCATION SKETCH	ACTIVI			
	8" steel casing with a pressure guage and grout	NORTH	NEW W			
	inlet fittng attached. Two hundred twenty five (225')		MODIFICATIO	ON/REPAIR eepen		
	feet of grout hose was laid on protective mats to			ther (Specify)		
	allow the pressure pumping of this well. 4 cu yd of					
	10 sack pumpable grout were forced into the well		Procedu	DY (Describe res and Materials		
	at the surface. The well casing was filled, as was		Under "GEOLOGIC LOG PLANNED USES (∠) WATER SUPPLY			
	app8 to 1 cubic yard of annular space. The well	1				
	was pumped to 200 p.s.i. and finally held static at	TS TS	Domestic Public			
	50 PSI. The grout was allowed to set and then a	WEST	Irrigation	✓ Industrial		
	steel plate was welded to the top of the filled well		1	MONITORING		
	casing. The cover will be stamped dating the		CATHODIC PR	EST WELL		
	destruction date and method.			EXCHANGE		
	destruction date and metriod.	1	1 C.	ECT PUSH		
			1	NJECTION		
			VAPOR EXT			
		SOUTH —		SPARGING		
		Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.	OTHER (SPECIFY)			
		WATER LEVEL & YIELD OF COMPL DEPTH TO FIRST WATER 18 (Ft.) BELOW SURFACE		L		
		DEDTH OF STATIC	9/19/2005	i		
	250	ESTIMATED YIELD * (GPM) & TEST TYPE				
TOTAL DEPTH OF	(100.)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN	(Ft.)			
TOTAL DEPTH OF	F COMPLETED WELL 250 (Feet)	May not be representative of a well's long-term yiel	ld.			

DEPTH PORE							C	ASING (S)			DEPTH				ANNULAR MATERIAL					
FROM SUF	RFACE	BORE -		1	E (TAR		1,000,000					IRFACE		TYPE		PE			
Ft. to	Ft.	DIA. (Inches)	BLANK	SCREEN	CON	DUCTOR FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	to	Ft.	CE- MENT	BEN- TONITE (✓)	FILL	FILTER PACK (TYPE/SIZE)			
0	93	10	1				STEEL	8	.250											
93	250	10		~	1		STEEL	8	.250	.250										
					L															
				-	-							-								
	ATTACE	IMENTS	(1)			71			CERTIFICA	TIONS	STA	TEMEN	т —						

_	ATTACHMENTS	(1)
	ATTACINIENTS	15	,

- Geologic Log
- Well Construction Diagram
- Geophysical Log(s)
- Soil/Water Chemical Analysis

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

✓ Other map and photo

	(1 =110011, 1
ı	1014 E. Seuth
1	1014 E. Seuth ADDRESS
	I XVII

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME_J. & H. Drilling Co., Inc. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

Signed Signed Very DRILLER/AUTHORIZED REPRESENTATIVE

Anaheim

10/27/05

DATE SIGNED

CA 92805-5348 STATE

740854 C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

TRIPLICATE Owner's Copy

Owner's Well No. Well #5

Page 1 of 1

STATE OF CALIFORNIA

WELL COMPLETION REPORT Refer to Instruction Pamphlet

No. e016906

_____, Ended 10/14/2005 Date Work Began 9/7/2005

Local Permit Agency Riverside Co. D. E. H. Permit No. 308-27 Permit Date 9/19/2005 DWR USE ONLY - DO NOT FILL IN STATE WELL NO./ STATION NO. LATITUDE LONGITUDE APN/TRS/OTHER

	GEOLOGIC LOG —	WELL OWNER -
ORIENTATIO		Lockhood Martin Corporation
OMENTATIO	DRILLING CARLE	Mailing Address 6901 Rockledge Dr.
DEPTH FR	W	Bethesda MD 20817
SURFAC Ft. to	Pescribe material, grain, size, color, etc.	CITY CTATE 7ID
	This well was located in a Federally protected	Address Highland Springs Rd WELL LOCATION
	Endangered Species Zone (Stephen's Kangaroo	City Beaumont CA
	Rat {SKR}). Television inspection revealed horizon	County Riverside
	tal seams ea. 3ft throughout the well and riveted	APN Book 430 Page 040 Parcel 017
	stove pipe casing. Mills knife perforations began a	Township 3 S Range 1 W Section 36
	60' BGS continuing to the bottom at 127.5' BGS.	Latitude 33 51 27 N 116 55 36 W
	During low water periods water cascaded from per	TS DEG. MIN. SEC. DEG. MIN. SEC.
	at 90' to a SWL at 91' BGS. SWL in Sept. of 2005	LOCATION SKETCH————————————————————————————————————
	was noted at 65.5' with a soft bottom at 126' BGS.	
	Protective matting was laid to allow access by rig	MODIFICATION/REPAIR —— Deepen
	and 3" tremie pipe was set to 123' BGS. Well casi	Other (Specify)
	volume was 3.2 cu yds and 5.5 cu yds of 10 sack	/ DESTROY Deserts
	pumpable grout were accepted. Upon reaching the	DESTROY (Describe Procedures and Materials
	surface, grout began oozing from the surrounding	Under "GEOLOGIC LOG"
	ground. App. 2.3 cubic yards of annular	PLANNED USES (∠) WATER SUPPLY
	space was filled with grout. The grout was allowed	S Domestic — Public Imigation ✓ Industrial
	to set, the above ground casing was trimmed to	
	1 ft above ground surface and a steel cover was	MONITORING — TEST WELL
	welded to the well casing. The cover will be	CATHODIC PROTECTION
	stamped dating the destruction date and method.	HEAT EXCHANGE
		DIRECT PUSH
		INJECTION
		VAPOR EXTRACTION SPARGING
		SOUTH REMEDIATION
		Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.
		WATER LEVEL & YIELD OF COMPLETED WELL
		DEPTH TO FIRST WATER (Ft.) BELOW SURFACE
		DEPTH OF STATIC WATER LEVEL 65.5 (Ft.) & DATE MEASURED 9/19/2005
	127.5	ESTIMATED YIELD * (GPM) & TEST TYPE
	H OF BORING 127.5 (Feet)	TEST LENGTH (Hrs.) TOTAL DRAWDOWN (Ft.)
TOTAL DEP	TH OF COMPLETED WELL 127.5 (Feet)	May not be representative of a well's long-term yield.

	ROPE					C	ASING (S)				DEPT	н	ANNULAR MATERIAL				
ACE		T	-				1		T-347 (F)					TYPE			
Ft.	(Inches)	BLANK	SCREEN	CON	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	to	Ft.	CE- MENT		FILL (✓)	FILTER PACK (TYPE/SIZE)	
20	20			1		STEEL	16	.250			0	20	1			none	
60	12	1	1			STEEL	12	.125									
27.5	12		~			STEEL	12	.125	Mills Knife								
	A PRIME	(/															
-	Ft. 20 60 27.5	ACE HOLE DIA. (Inches) 20 20 60 12	ACE HOLE DIA. (Inches) 20 20 60 12 √27.5 12	ACE HOLE TYPE DIA. (Inches) 20 20 60 12 12 12 12 12 12 12 12 12 12 12 12 12	ACE HOLE DIA. (Inches) Y 20 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ACE HOLE DIA. (Inches) PR 20 20 20 60 12 12 12 12 12 12 12 12 12 12 12 12 12	ACE HOLE DIA. (Inches) Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	ACE HOLE TYPE ()	ACE HOLE DIA. (Inches) Ft. (Inches) STEEL 16 .250	ACE BORE TYPE ()	ACE HOLE DIA. (Inches) TYPE () AMATERIAL / GRADE SLOT SIZE IF ANY (Inches) THICKNESS (In	ACE HOLE DIA. (Inches) TYPE () MATERIAL / GRADE DIAMETER OR WALL THICKNESS IF ANY (Inches) Ft. to 20 20	ACE BORE TYPE ()	ACE BORE TYPE ()	ACE HOLE DIA. (Inches)	ACE BORE TYPE (/)	

— ATTACHMENTS (∠)
Geologic Log
Well Construction Diagram
Geophysical Log(s)
Soil/Water Chemical Analysis
✓ Other map and photo

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

I, the undersigned, certify that this report is complet NAME J. & H. Drilling Co., Inc. (PERSON, FIRM, OR CORPORATION) (T		ief.	
1014 E. South St.	Anaheim	CA	92805-5348
1014 E. South St. ADDRESS Signed BRIAND BRIAND	Hoise Pet RAD CITY 10/27/05	STATE 74	ZIP 40854

, the undersigned, certify that this report is comp NAME_J. & H. Drilling Co., Inc.	plete and accurate to the best of my knowledge and belief.	
(PERSON, FIRM, OR CORPORATION) 1014 E. South St.	(TYPED OR PRINTED) Anaheim CA	92805-5348
ADDRESS AND	CITY ST.	ATE ZIP
ADDRESS Signed Well DMLERIAUTHORIZED REPRE	SENTATIVE 10/27/05 DATE SIGNED	740854 C-57 LICENSE NUMBE

Attachment 4 Photographs

Destruction of three idle production wells (W-1-1, W-1-2, and W-1-5)



Photo 1: Preparing Well W-1-1 for abandonment. Pump and piping removed from well, casing extension to capture displaced water installed, and tremmie pipe lowered into well to pump in grout.



Photo 2: Well abandonment process at Well W-1-1



Photo 3: Well W-1-1 after abandonment completion



Photo 4: Well W-1-2 being abandoned by pressure grouting. Well is fitted with a pressure cap and grout is pumped under pressure into well casing and annular space.



Photo 5: Well W-1-2 being abandoned by pressure grouting. Excessive SKR burrows and surrounding soil type prevented vehicular access to the well location to abandon using tremmie pipe.



Photo 6: Grout pressure maintained after pumping Well W-1-2 casing and annular space full of grout



Photo 7: Well W-1-2 after completion of well abandonment.



Photo 8: Preparation of Well W-1-5 for abandonment: Fitment of casing extension to capture displaced water during grout filling.



Photo 9: Preparation of Well W-1-5 for abandonment: Placement of tremmie pipe in well to pump in sealing grout.



Photo 10: Well W-1-5 abandonment process proceeding.



Photo 11: Well W-1-5 after completion of well abandonment.