RECEIVED
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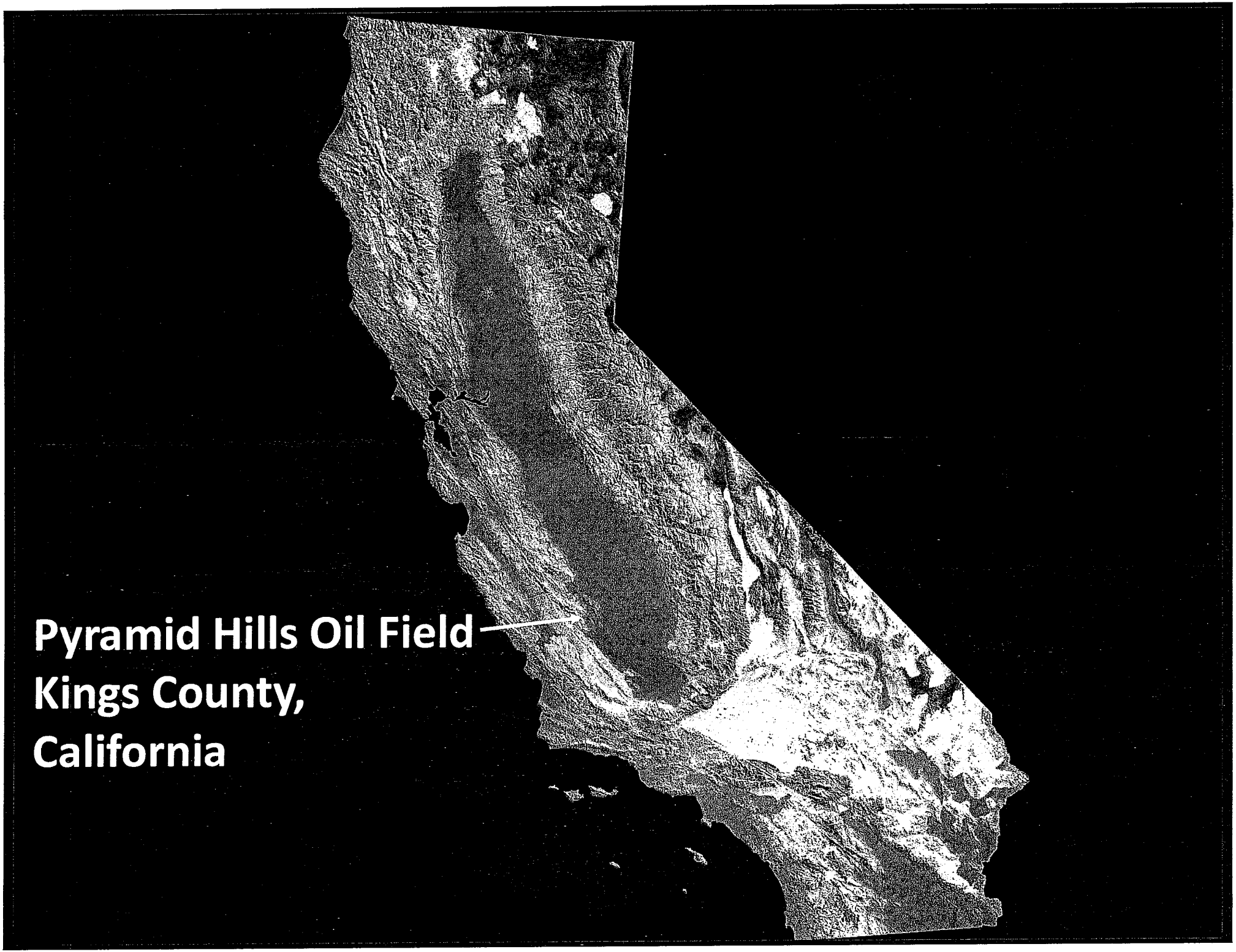
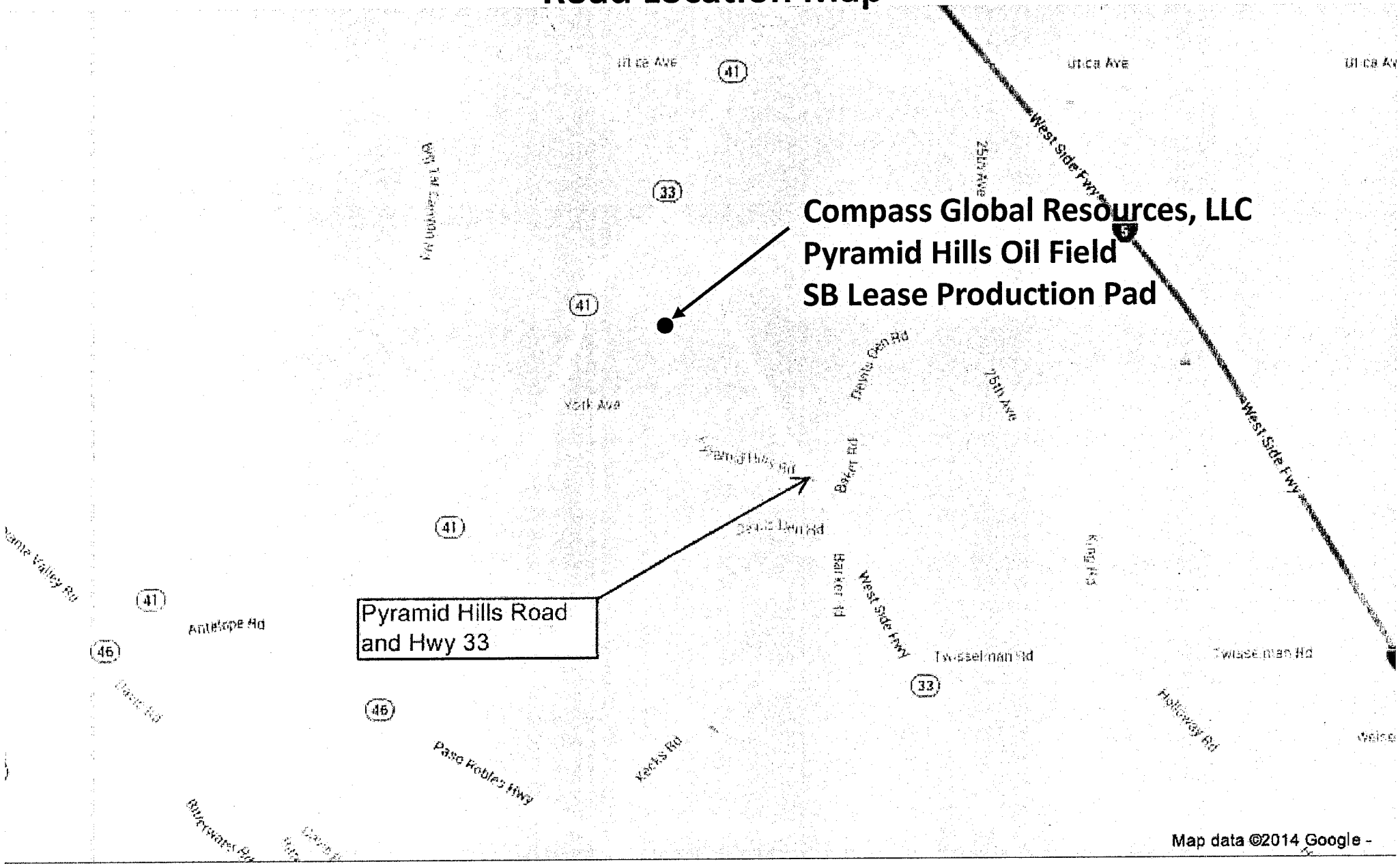
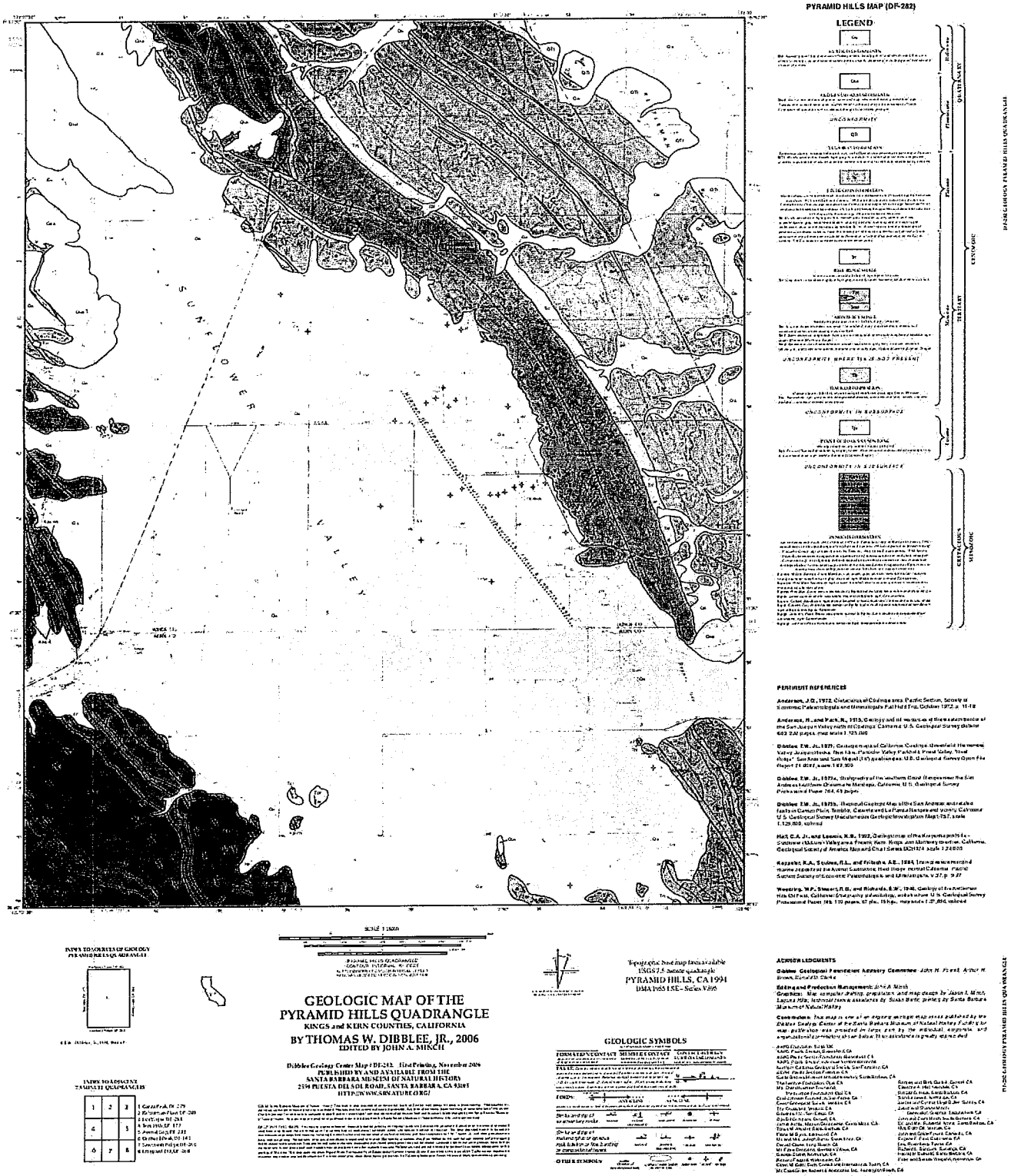
RWQCB-CVR
FRESNO, CA

Compass Global Resources, LLC
Pyramid Hills Oil Field
SB Lease
Kings County, California
Surface Impoundment Location
5/18/15


Pyramid Hills Oil Field
Kings County,
California

Compass Global Resources, LLC
Pyramid Hills Oil Field
Kings County, California
Road Location Map





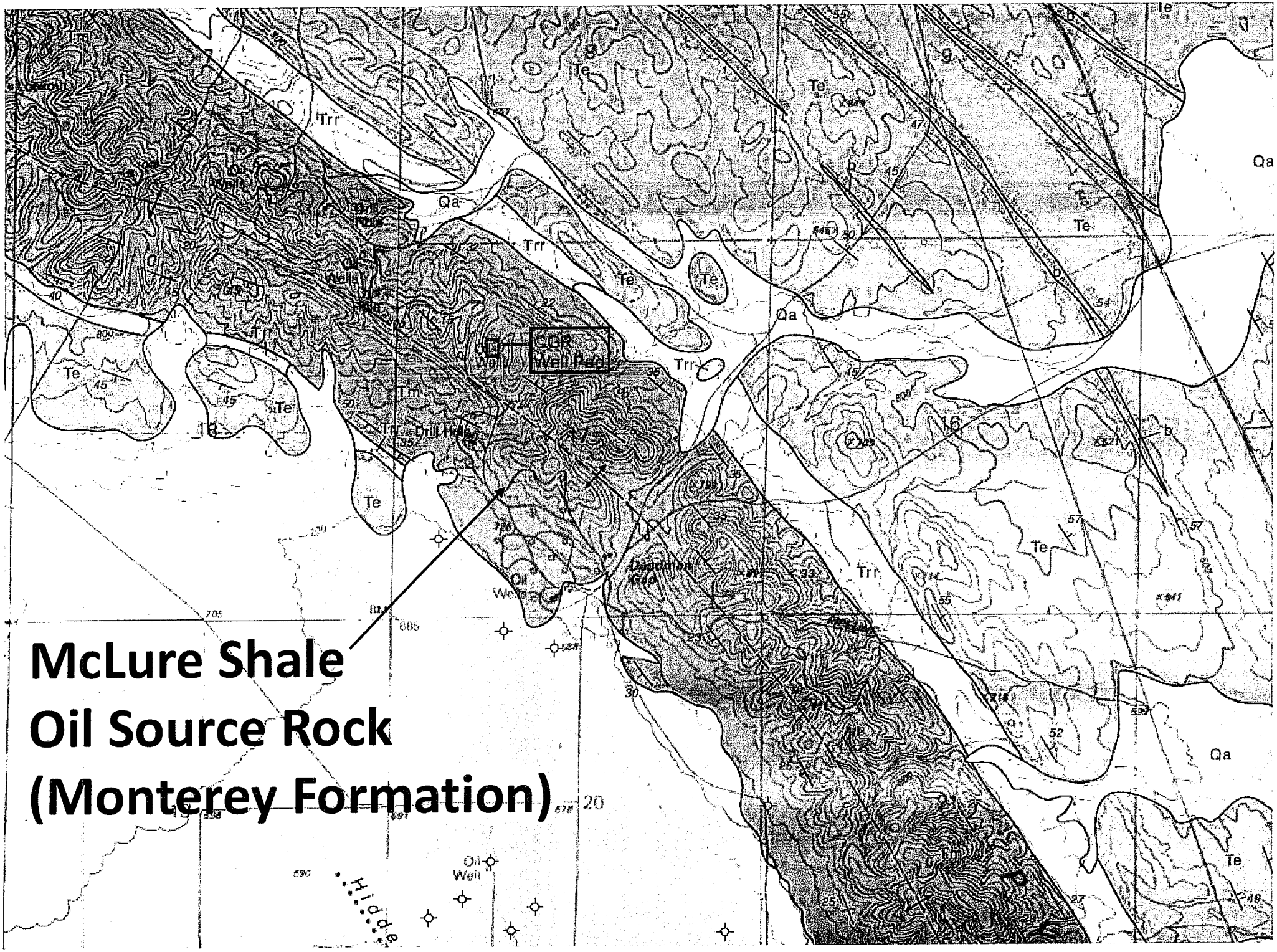
Compass Global Resources, LLC
Pyramid Hills Oil Field
SB Lease
Kings County, California

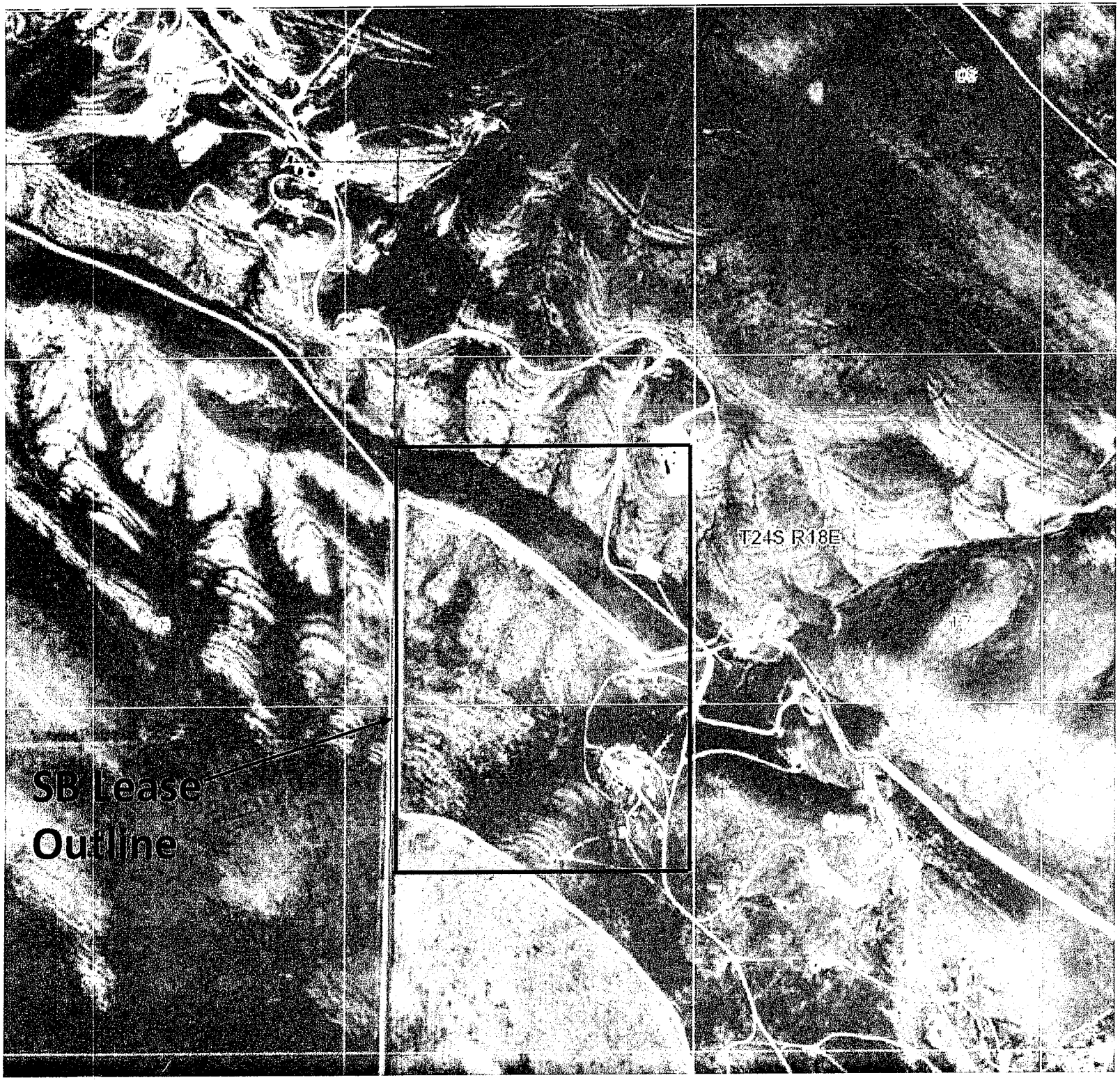
Surface Geologic Map
Pyramid Hills Quadrangle

Note CGR well Pad annotated in red in Section 17

Next Map is a blow up of Section 17 and surrounding vicinity.

The "orange/brown" unit (Tm) is the Upper Miocene McLure Shale Member of the "Monterey Formation". The Physiographic Feature know as the Pyramid Hills is underlain by the McClure Shale. One of the richest oil source rocks in the world.


McLure Shale
Oil Source Rock
(Monterey Formation)
CGR Well Pad
Qa
Te
Trr
Tm
Oil Well
Hidden



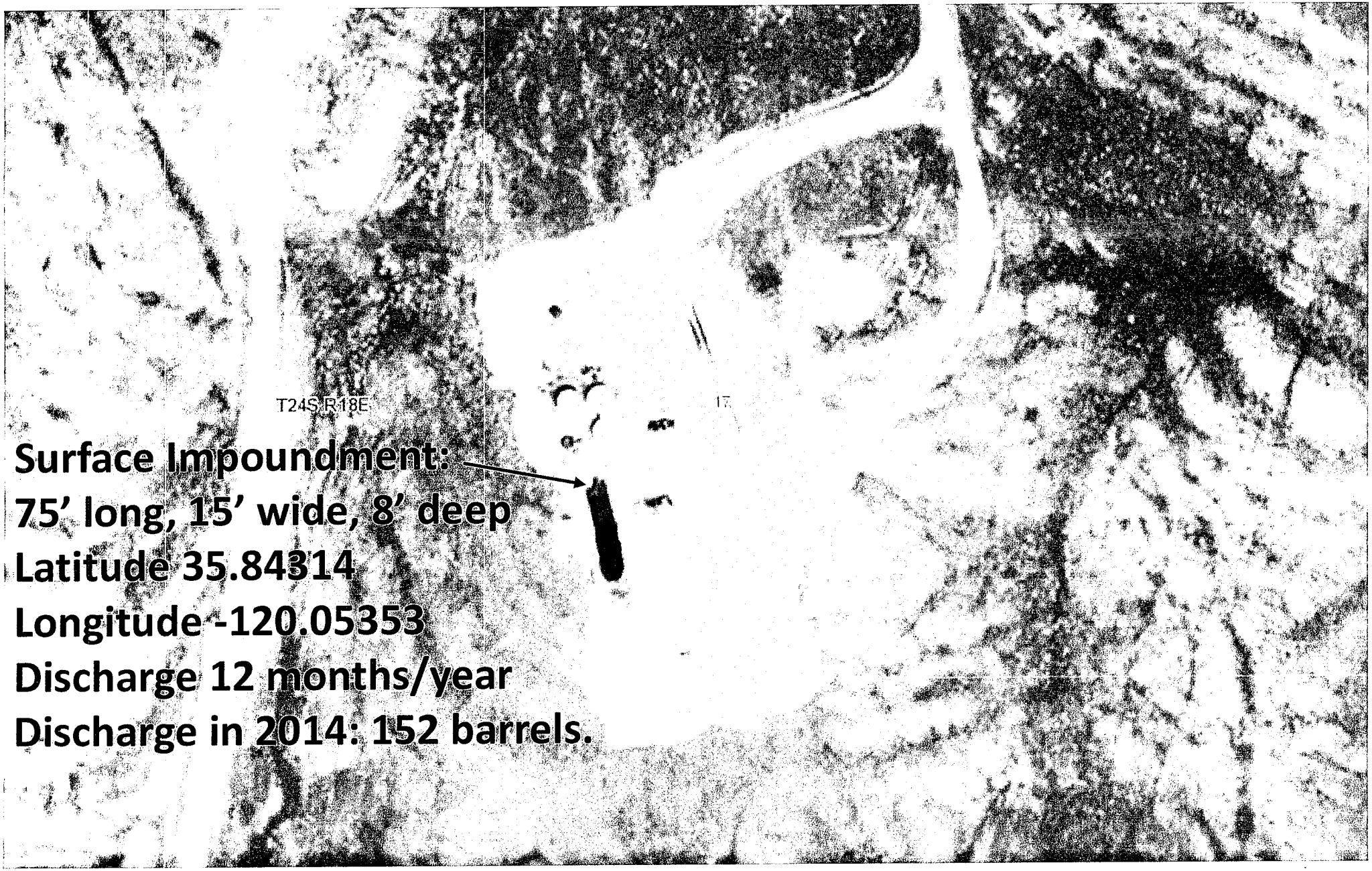
Compass Global Resources, LLC

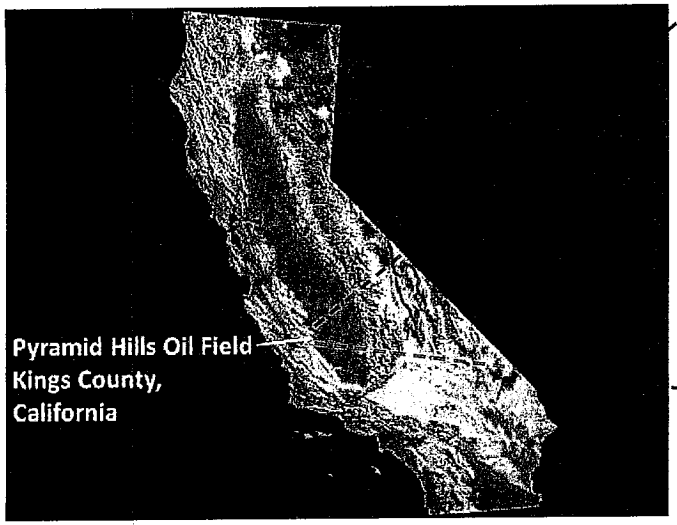
Pyramid Hills Oil Field

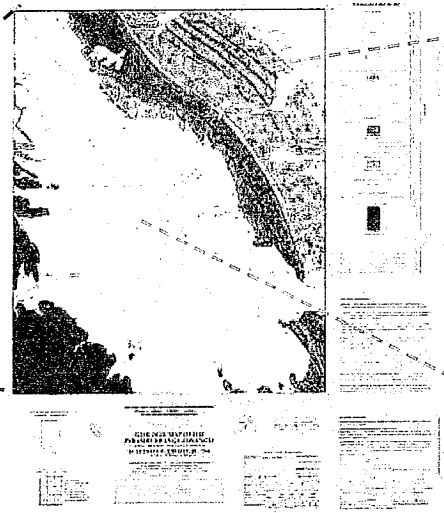
Kings County, CA

SB Lease Outline

Compass Global Resources, LLC
Pyramid Hills Oil Field Facilities Pad & Surface Impoundment
APN: 050-270-005-000







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SB Lease
Kings County, California

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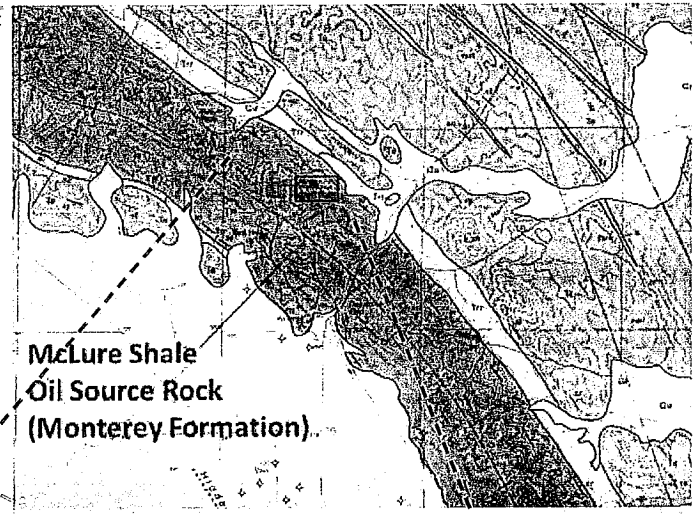
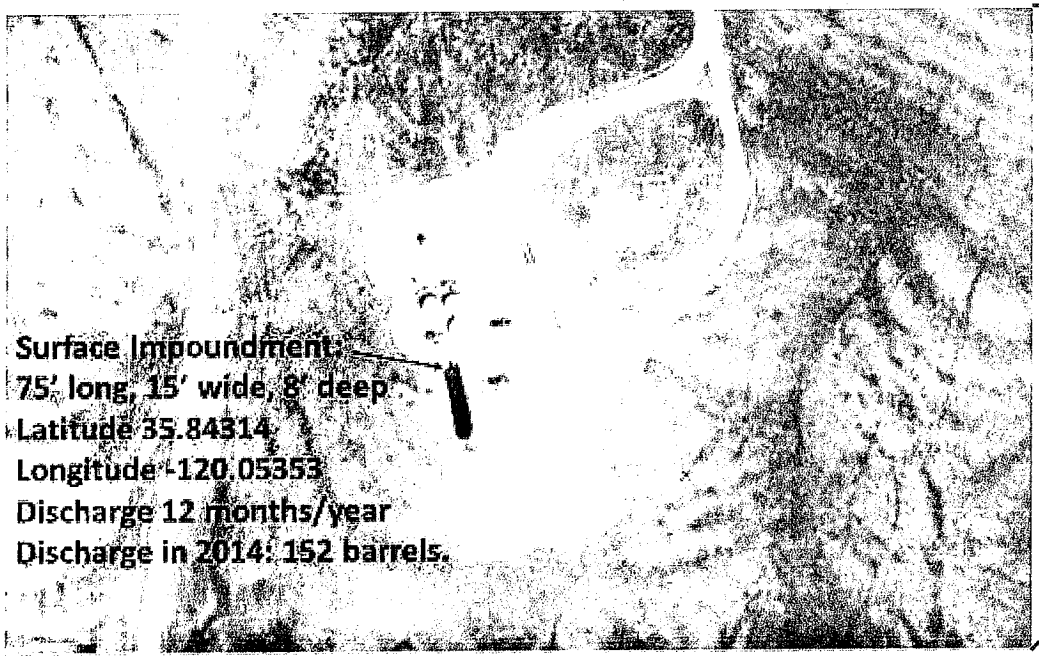
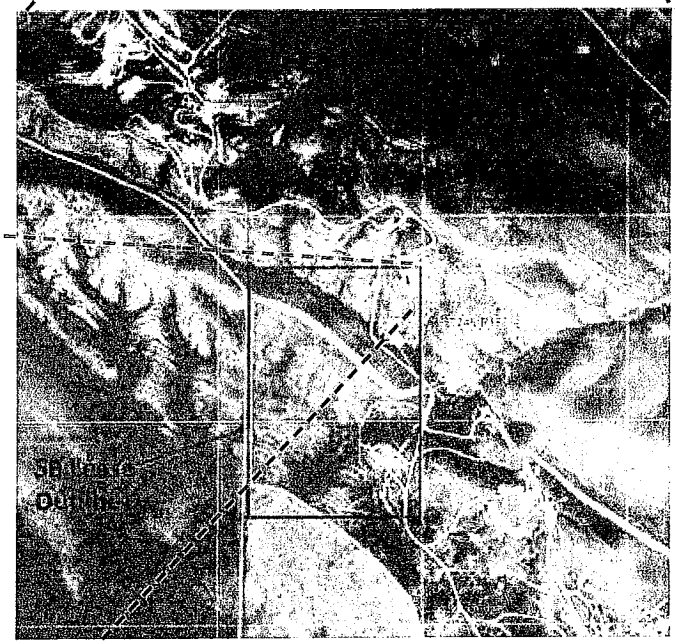


Compass Global Resources, LLC
Pyramid Hills Oil Field Facilities Pad & Surface Impoundment
APN: 050-270-005-000





Compass Global Resources, LLC
Pyramid Hills Oil Field
SB Lease
Kings County, California
Surface Impoundment Location
5/18/15

ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

May 13, 2015

RT Budden
Compass Global Resources
P. O. Box 2858
Carmel, CA 93921

TEL: (831) 277-4181
FAX: (831) 659-4458

Project ID:
RE: 1504159

Dear RT Budden:

Zalco Laboratories, Inc. received 1 samples on 4/14/2015 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,

Juan Magana
Project Manager
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
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Compass Global Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504159**
P. O. Box 2858	Project #:	Reported: 05/13/2015
Carmel, CA 93921	Attention: RT Budden	Received: 04/14/2015 15:52

Lab Sample ID: **1504159-01** Collected By: Hopps

Client Sample ID: SB Lease Water Leg Wash Upstream Of Sump Date Collected: 4/14/2015 12:20:00PM

Analyte	Results	PQL		Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity									
Total Alkalinity	2900	10		mg/L		SM 2320B	4/15/15	4/15/15	SAM
Bicarbonate (HCO3)	2900	10		mg/L		SM 2320B	4/15/15	4/15/15	SAM
Carbonate (CO3)	<10	10		mg/L		SM 2320B	4/15/15	4/15/15	SAM
Hydroxide (OH)	<10	10		mg/L		SM 2320B	4/15/15	4/15/15	SAM
CAM, Toxicity (17 Metals)			*TTLC Limits*						
Antimony	<0.20	0.20	*500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Arsenic	<0.020	0.020	*500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Barium	9.1	0.10	*10000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Beryllium	<0.010	0.010	*75*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Cadmium	<0.010	0.010	*100*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Chromium	<0.050	0.050	*2500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Cobalt	<0.10	0.10	*8000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Copper	<0.050	0.050	*2500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Lead	<0.050	0.050	*1000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Mercury	<0.0020	0.0020	*20*	mg/L		SW846 7470A	4/16/15	4/16/15	SS
Molybdenum	<0.10	0.10	*3500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Nickel	0.056	0.050	*2000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Selenium	<0.05	0.05	*100*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Silver	<0.020	0.020	*500*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Thallium	<0.50	0.50	*700*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Vanadium	<0.10	0.10	*2400*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
Zinc	<0.050	0.050	*5000*	mg/L		SW846 6010B	4/17/15	4/21/15	SS
General Chemistry			*MCL Limits*						
Fluoride	<1.0	1.0	*2*	mg/L		EPA 300.0	4/15/15	4/16/15	MSS
Nitrate as NO3	<500	500	*45*	mg/L		EPA 300.0	4/15/15	4/16/15	MSS
Electrical Conductivity	17	0.010		mmhos/cm		SM 2510B	4/15/15	4/15/15	SAM
Chloride	4500	500		mg/L		EPA 300.0	4/15/15	4/16/15	MSS
pH	7.67			pH Units		EPA 150.1	4/15/15	4/15/15	SAM
Sulfate as SO4	<5.0	5.0		mg/L		EPA 300.0	4/15/15	4/16/15	MSS
Total Dissolved Solids	10000	10		mg/L		SM 2540C	4/17/15	4/17/15	SAM
Hardness									
Hardness (as CaCO3)	120	2.0		mg/L		SM 2340B	4/16/15	4/16/15	SS

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative

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Compass Global Resources	Project: RWQCB Oilfield Ponds - 2Q2015	Work Order No.: **1504159**
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Carmel, CA 93921	Attention: RT Budden	Received: 04/14/2015 15:52

Lab Sample ID: **1504159-01** Collected By: Hopps

Client Sample ID: SB Lease Water Leg Wash Upstream Of Sump Date Collected: 4/14/2015 12:20:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Metals								
Lithium	1.2	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Metals - As Received								
Magnesium	19	0.050	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Potassium	16	0.50	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Sodium	5300	70	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Calcium	15	0.050	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Iron	0.15	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Boron	13	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Barium	8.0	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Copper	<0.050	0.050	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Silica (SiO2)	14	4.0	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Strontium	6.2	0.10	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Manganese	<0.030	0.030	mg/L		EPA 200.7	4/16/15	4/16/15	SS
Oil & Grease Testing								
TRPH	18.0	5.00	mg/L		EPA 1664	4/29/15	4/29/15	BIG
Semivolatile Organic Compounds								
Indeno(1,2,3-cd)pyrene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Naphthalene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Acenaphthylene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Acenaphthene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Fluorene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Phenanthrene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Anthracene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Pyrene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (a) anthracene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Chrysene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (b) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (k) fluoranthene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (a) pyrene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Dibenz (a,h) anthracene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM
Benzo (g,h,i) perylene	<10.0	10.0	ug/L		SW846 8270C	4/17/15	4/20/15	JMM

Surrogates	% Recovery	Recovery Limits	Flag

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative

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Analyte	Results	PQL		Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Semivolatile Organic Compounds									
Nitrobenzene-d5		22.8	0-95					4/20/15 14:56	
2-Fluorobiphenyl		25.5	0-92					4/20/15 14:56	
Terphenyl-dl4		108*	0-100	S-GC				4/20/15 14:56	
Subcontracted Analyses									
Gross Alpha	59.6			pCi/L		SM 7110C	4/21/15	4/22/15	JMM
Radium-226	0.752	0.470		pCi/L		E903.1	4/17/15	5/11/15	JMM
Radium-228	<0.506	0.506		pCi/L		EPA Ra-05	4/28/15	4/30/15	JMM
Uranium (ug/L)	0.00			pCi/L		E908	4/29/15	4/29/15	JMM
Volatile Organic Compounds									
m,p-Xylene	<5.00	5.00		ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Benzene	<5.00	5.00		ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Xylenes, total	6.73			ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Methyl tert-Butyl Ether	<5.00	5.00		ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Ethylbenzene	<5.00	5.00		ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Toluene	<5.00	5.00		ug/L		SW846 8260B	4/21/15	4/21/15	HLP
o-Xylene	6.73	5.00		ug/L		SW846 8260B	4/21/15	4/21/15	HLP
Surrogates		**% Recovery**	**Recovery Limits**	**Flag**					
1,2-Dichloroethane-d4		104	89-165					4/21/15 13:40	
Toluene-d8		116	65-124					4/21/15 13:40	
4-Bromofluorobenzene		105	94-114					4/21/15 13:40	

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4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 *www.zalcolabs.com*

CHAIN OF CUSTODY, ID# 140504159

Page _____ of _____

Zalco Lab # _____

Client PO # _____

PROJECT ID: _____

QUOTE ID: _____

REPORT INFO	INVOICE INFO
Client: CGB, LLC	Invoice To: Same as Client ☑
Address: PO Box 2858	Address:
City, State, Zip: Carmel, CA 93921	City, State, Zip:
Attention: RT Budden	Attention:
Phone: Results ☐ 831 277-4181	Phone:
Fax: Results ☐	Fax:
Email: Results ☐ t.budden@compassgr.com	Email:

SAMPLED BY: Hopps **EMPLOYED BY:** REC1

Sample No.*	Sample Description	Sample Date	Sample Time	Type*	# OF CONTAINERS	ANALYSIS	TEMPERATURE (C°)
2	SB Lease Water leg wash upstream of sump.	4/14/15	12:12pm		9	See attached	12.4

COMMENTS:

Turnaround Time:
Routine _____ working days ☐

Rush By _____ working days

Send Copy to State of CA?
Yes ☐ No ☐

Attention To: _____

Send Copy to County?
Yes ☐ No ☐

County _____

RELINQUISHED By: Signature	PRINT	COMPANY	Date	Time	RECEIVED By: Signature	PRINT
	Tom Hopps	REC1	4/14/15	5:52pm		

NOTE: Samples are discarded 30 days after results unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client's expense.

*Sample Type Key: AQ-Aqueous; BS-Biosolid; DW-Drinking Water; GW-Ground Water; G-Gas; LPG-Liquid Petroleum Gas; OL-Oil; O-Other; P-Petroleum; S-Soil/Solid; ST-Storm Water; WW-Wastewater

*Sample No.: FOR OFFICE USE ONLY