

Job No.: 046213.0111.03 By: JC Date: 5/5/2014

Form: Vta.comp 11/93)

Checked By: Date: Sheet No. of

COMPUTATIONS

Subject: NITROD - BLACK LAKE



(805) 459-5658

PETER SNIOK (805) 929-1133

Well	DTW, ft	Pumping, ft	Pump Depth
Via Concha	266	490	490
BLACK LAKE GOLF #3	300	375	
B.L.G. #4	297	366	

VIA CONCHA "VIA CONCHA" ~~60461~~ 100m 1/min

WELL CAN BE SOUNDED, HOWEVER A PRESSURE TRANSDUCER WILL NOT FIT.

BLACK LAKE #3 SATUR H₂O @ 2^{PM} 321.20'

Well #4 (CURRENTLY PUMPING) PUMPING H₂O @ 3³⁸ PM = 371.29'

DISTANCE FROM #3 TO #4 = 239'

Twist #4 SOUNDING - Not BELOW 400'

INSTALL #3 TO 100m (328')

BLACK LAKE GOLF #3

"BLACK LAKE 3"

1/min

SN: 60461, 100m

STARTED @ 4^{PM} 5 MAY 14

INSTALLED TO 331 ft

BLACK LAKE GOLF #4

"BLACK LAKE 4"

1/min

SN: D1610, 100m

STARTED @ 5^{PM} 5 MAY 14

INSTALLED TO

BAROMETER

"BLACK LAKE BAR"

1/min

SN: L6546

STARTED @ 3^{PM} 5 MAY 14

County of San Luis Obispo

Project No. 04.62130111, Phase 3

Date: 8 MAY 14

Well Depth: N/A

Well: #4, BACIO LAKE

Depth Perforations: N/A

Pumping Well: #4

Static Water Level: N/A

Observer: DC

Date	Time	Activity	Production Rate (gpm)	Production Volume (gallons)	Water Level (feet TOC)	Drawdown (feet)	Specific Capacity (gpm/ft)	Temp. (C)	EC (mmhos)	pH	Turbidity (NTU)	Notes
8 May	6:01	ARRIVE ON SITE		147,345.0								PUMP STARTED AT 6:05
	6:05	GATES UNLOCKED										
	6:05	PUMP ACTIVATED		147,345.0								
	6:41			147,470.0								Well #4
	6:49				367.34							"
	6:50			147,511.4								"
	6:56				318.69							Well #3
	7:00				367.76							Well #4
	7:02			147,555.3								"
	7:04				318.70							Well #3
	7:09				369.16							Well #4
	7:10			147,585.2								"
	7:11				368.55							"
	7:12			147,592.5								"
	7:14				368.39 (?)							"
	7:15			147,603.5								"
	7:19				368.60							"
	7:20			147,622.0								"
	7:24				368.16 (?)							"
	7:25			147,640.8								"
	7:27				318.90							Well #3
	7:30				368.63							Well #4

County of San Luis Obispo

Project No. 04.62130111, Phase 3

Date: 8 MAY 14 Well Depth: N/A

Well: 3144 ISUKULANE Depth Perforations: N/A

Observer: Y Pumping Well: #11

Static Water Level: N/A

Date	Time	Activity	Production Rate (gpm)	Volume (gallons)	Water Level (feet TOC)	Drawdown (feet)	Specific Capacity (gpm/ft)	Temp. (C)	EC (mmhos)	pH	Turbidity (NTU)	Notes
8 MAY	7:11 am			147,662.5								VELL #4
	7:12				368.19							"
	7:13			147,688.2								"
	7:14				318.88							VELL #3
	7:15				368.40							VELL #4
	7:16											"
	7:17			147,724.9	368.54							"
	7:18											"
	7:19			147,761.0	319.0							VELL #3
	8:00				368.69							VELL #4
	8:01											"
	8:02			147,786.5	368.85							"
	8:03											"
	8:04			147,823.0								"
	8:05				319.01							VELL #3
	8:06				368.93							VELL #4
	8:07			147,859.3								"
	8:08				319.10							VELL #3
	8:09				368.90							VELL #4
	8:10			147,893.7								"
	8:11				319.17							VELL #3
	8:12											VELL #4
	8:13			147,911.5								"
	8:14				368.78							VELL #3
	8:15				319.18							

County of San Luis Obispo
Project No. 04.62130111, Phase 3

Date: 8 May 14

Well Depth: N/A

Well: SURF-AKE #3 F-4

Pumping Well: Well #4

Observer: [Signature]

Static Water Level: N/A

Date	Time	Activity	Production Rate (gpm)	Volume (gallons)	Water Level (feet TOC)	Drawdown (feet)	Specific Capacity (gpm/ft)	Temp. (C)	EC (mmhos)	pH	Turbidity (NTU)	Notes
8 May	9:05			148,023.8								#4
	9:06				369.12							"
	9:07				319.18							#3
	9:08			148,040.0								#4
	9:09				369.03							"
	9:10				319.20							#3
	9:11			148,075.9								#4
	9:12				369.10							"
	9:13				319.22							#3
	9:14			148,118.5								#4
	9:15				368.13							"
	9:16				319.20							#3
	9:17			148,146.8								#4
	9:18				368.15							"
	9:19				319.26							#3
	9:20			148,181.9								#4
	9:21				368.00							"
	9:22				319.20							#3
	10:05			148,217.0								#4
	10:06				368.11							"
	10:07				319.32							#3

County of San Luis Obispo
Project No. 04.62130111, Phase 3

Date: 8 May 14 Well Depth: N/A

Well: Black Lake #384 Depth Perforations: N/A

Observer: V Pumping Well: #4 Static Water Level: N/A

Date	Time	Activity	Production Rate (gpm)	Volume (gallons)	Water Level (feet TOC)	Drawdown (feet)	Specific Capacity (gpm/ft)	Temp. (C)	EC (mmhos)	pH	Turbidity (NTU)	Notes
8 May	10:20			148,269.8								#4
	10:21				368.35							"
	10:22				319.36							#3
	10:25			148,322.1								#4
	10:26				368.10							"
	10:27				319.40							#3
	10:28			148,374.5								#4
	10:31				367.92							"
	10:32				319.45							#3
	11:05			148,476.5								#4
	11:06				367.88							"
	11:07				319.44							#3
	11:20			148,478.4								#4
	11:21				367.95							"
	11:22				319.49							#3
	11:25			148,522.5								#4
	11:26				368.14							"
	11:27				319.52							#3
	11:30			148,587.3								#4
	11:31				368.00							"
	11:33				319.52							#3

Project No. 04.62130111, Phase 3

Date: 8 May 14 Well Depth: N/A

Well:	Subsurface #3 t#4	Depth Perforations:	N/A
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Observer: Y

Pumping Well: # 11

Static Water Level: N/A

[illegible]

County of San Luis Obispo

Project No. 04.62130111, Phase 3

Date: 8 MAR 14

Well: 3604

Observer: X

Well Depth: N/A

Depth Perforations: N/A

Pumping Well: #4

Static Water Level: N/A

Date	Time	Activity	Production Rate (gpm)	Volume (gallons)	Water Level (feet TOC)	Drawdown (feet)	Specific Capacity (gpm/ft)	Temp. (C)	EC (mmhos)	pH	Turbidity (NTU)	Notes
8/Mar	2:25			149,133.6								#4
	2:26				371.53							"
	2:27				319.77							#3
	2:28			149,196.4								#4
	2:29				371.56							"
	2:30				319.89							#3
	3:05			149,269.2								#4
	3:06											"
	3:07				371.02							#3
	3:08				319.78							#4
	3:09			149,308.8								"
	3:10				372.21							#3
	3:11				319.79							#4
	4:05			149,488.1								"
	4:06				372.12							#3
	4:07				319.88							#4
	4:08			149,597.5								"
	4:09				372.17							#3
	4:10				319.87							#4
	5:05			149,707.0								"
	5:06				372.36							#3
	5:07				319.90							

County of San Luis Obispo

Project No. 04.62130111, Phase 3

Date: 23 MAY 14 Well Depth: N/A

Well: BACULANT #344

Depth Perforations:

Pumping Well: 17

Static Water Level: N/A

[illegible]

Static Water Level: N/A

[illegible]

County of San Luis Obispo
Project No. 04.62130111, Phase 3

Date: 9 MAY 14 Well Depth: NA

Well: BACKLICK #3 & #4 Depth Perforations: N/A

Observer: NC Pumping Well: #2 / Static Water Level: N/A

Date	Time	Activity	Production Rate (gpm)	(x100) Volume (gallons)	Water Level (feet TOC)	Drawdown (feet)	Specific Capacity (gpm/ft)	Temp. (C)	EC (mmhos)	pH	Turbidity (NTU)	Notes
9 MAY	9 ⁰¹	SWL			319.04							#3
	9 ¹²	SWL			316.75							#4
	9 ¹³			149,926.6								
	9 ¹⁶	Pump Reversed On										
	9 ¹⁷	Pump On Flowing to Discharge										
	9 ¹⁸	Flowing to Main										
	9 ¹⁸			149,930.7			TIME	Vol.	H ₂ O level	Notes		
	9 ¹⁹			149,934.4			9 ¹³	150.0009				
	9 ²⁰			149,938.0			9 ¹⁵	150.0121				
	9 ²¹			149,941.7			9 ¹⁵		365.99	Vol = 4		
	9 ²²			149,945.4			9 ¹⁵	150.0174				
	9 ²³			149,948.9			Pump	Off				
	9 ²⁴			149,952.6			9 ¹²	150.0184			FINAL READING	
	9 ²⁵			149,956.2								
	9 ²⁶			149,959.8								
	9 ²⁷			149,963.4								
	9 ²⁸			149,967.1								
	9 ²⁹			149,970.7								
	9 ³⁰			149,974.4								
	9 ³¹			149,978.1								
	9 ³²			149,981.5								
	9 ³³			149,985.6								
	9 ³⁴			149,989.8								