

August 25, 2015

CHASE SETTLE YATES PETROLEUM CORPORATION 105 S 4th Street Artesia, NM 88210

RE: GLOW WORM ALX FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/19/15 14:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	08/19/2015	Sampling Date:	08/13/2015
Reported:	08/25/2015	Sampling Type:	Soil
Project Name:	GLOW WORM ALX FEDERAL BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: X-SUR (H502168-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/20/2015	ND	400	100	400	3.92	

Sample ID: X-1' (H502168-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/20/2015	ND	400	100	400	3.92	

Sample ID: X-2' (H502168-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/20/2015	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Loratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	Relinquished by:	Relinquished by:		Relinquished hv-	Special Instructions:							0	2	2-	LAB # (lab use only)			(lab use only)							Rea
	ned by:	ied by:		hed hv:	nstructio							X-2"	X-1'	X-SUR		\#:	0 ‡	only)	Sampl	Teleph	City/S	Comp	Comp	Projec	XI
			7		ons:											5	Ŕ		Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Compt (505) 393-2326 Yates Petroleum Corporation	Project Manager:	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
															FIELD	2	D11202		ature:			ress:	93-2326	ger:	AL LAN st Marla
															FIELD CODE	00	2		X	575-748-4171	Artesia, NM 88210	105 South 4th Street	Yates F	Chase Settle	30RAT nd, Hob
-	_			-															0	8-4171	MN 8	uth 4th	etroleu	Settle	ORIES bs, NM
	Date	Date	8-19-15	Data															4		8210	Street	m Corpo		88240
	_	П		-											Beginning Depth	-							ration		
	Time	Time	IIme												Ending Depth										
	Received	Received	Received by:	5								8/1	8/1	8/1											(505
<	ed by E	ed by:	'ed by:									8/13/2015	8/13/2015	8/13/2015	Date Sampled										(505) 393-2326 FAX (505) 393-2476
C	LOT	2							+			-	-			-			1	I					326 F <i>A</i>
	ή											4:05 PM	4:00 PM	3:55 PM	Time Sampled				e-n	Fax No:					X (505
	M	~							-	-		2	M	M	Field Filtered				e-mail:	No:) 393-
	1 CUM	3							-			-	1	1	Total #. of Containers	-			0	5					2476
	5														lce	\uparrow			csettle@yatespetroleum.com	575-748-4131					
															HNO3	Pres	1		tle	48-4					
- 19															HCI	Preservation &			^D V ^C	131					
						_	_		_				24		H₂SO₄	on &			ates						5
			1.00		-	-	-	-	_	-					NaOH	# of O			spe						IAI
	X	>			+	-	-	-	-	-					Na ₂ S ₂ O ₃	of Containers			tro						V O
			_		ł	-	+	-	_	-		×	×	×	None	ners			leu						FC
	Date)ate	Date		ł	-	+	-	-	+		-	-	-	Other (Specify) DW=Drinking Water SL=Sludge	Н			m.	1	1	1			SN
	5	•						1.5				s	s		GW = Groundwater S=Soil/Solid	Ma			on	Re					TOL
	1	-													NP=Non-Potable Specify Other	Matrix			D	Report Format:		_		P	YF
	Time	Time	Time						1						TPH: 418.1 8015M 8015	в	Т	Т	1	t Fo		Project Loc:	P	Project Name:	REC
	5	2													TPH: TX 1005 TX 1006					rma	.0	ect I	Project #:	t Na	ÖR
Temperature Upon Receipt		Sample Hand Delivered	Labe	Sample Containers Intact? VOCs Free of Headspace?	Laboratory Comments:										Cations (Ca, Mg, Na, K)					rt.	PO #: 205. 0750	Loc:	ct #	Ime	0
pera	by Sampler/Client Rep. ? by Courier? UPS	ple I	tody tody	s Fi	orat	_	_		_					4	Anions (CI, SO4, Alkalinity)		5	=		×	20		Ľ.		N
ture	ourie	Han	sea	Con	ST.	_	_							1	SAR / ESP / CEC		TOTAL:	9 Q		× Standard	5. 0.				A
Up	ar?	d De	Is or	of H	S		_	_						1	Metals: As Ag Ba Cd Cr Pb Hg Se				1.00	Inda	750	Glow Worm		Slov	VAL
on F	lient	live	ner(ers I eads	m	_	_							`	/olatiles			Analyze		а		N N		NN	XS
lece	JPS	red	s) ntair	Intac	ints		_							5	Semivolatiles			- Ze F			1.1	/orr		/orr	Si
ipt	, p	(S)	Labels on container(s) Custody seals on container(s)	e, ;;	"L		_							E	3TEX 8021B/5030 or BTEX 8260			For:					1	ηA	RE
	DHL		ŝ		F	-	-							F	RCI] TRRP		$\overline{\mathbf{x}}$	100	$\overline{\mathbf{x}}$	IAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
0.	т				F	-	_	_						M	I.O.R.M.					R		Fed	1.1.5	Feo	ES7
3	edE	00	QO	20	F	-	-		-		>	× ;	× ;	-	Chlorides							era		lera	1
ic	×U	NC	100	000	4	-	-	-	-		-	-	-	5	SAR	-						ALX Federal Battery		Glow Worm ALX Federal Battery	
°C	N one Star	27	zz	zz	F	-	+	_	-		-	-		-		10.25				NPE		tter	1	itter	
0	Star				F	-	+	-	-	\square	-	-	-	_	RUSH TAT (Pre-Schedule) 24, 4	8, 72 1	hrs			NPDES		Y			
		9.46					1		1		>	< >	< >	< S	tandard TAT								F	age	4 of 4