Form ACO-1 September 1999 Form Must Be Typed Mound Valley

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33583	API No. 15 - 099-23986-0000
Name: Admiral Bay (USA) Inc.	County: Labette
Address: 7060B S. Tucson Way	
City/State/Zip: Centennial, CO 80112	685 feet from S / (N (circle one) Line of Section
Purchaser: Southern Star	feet from E / (W) (circle one) Line of Section
Operator Contact Person: Carol Sears	Footages Calculated from Nearest Outside Section Corner:
Phone: (_303)350-1255	(circle one) NE SE (NW) SW
Contractor: Name: L S Well Service	Lease Name: Tucker Well #: 4-13
License: 33374	Field Name: Mound Valley South
Wellsite Geologist: Greg Bratton	Producing Formation: Riverton
Designate Type of Completion:	Elevation: Ground: 818' Kelly Bushing: 818'
New Well Re-Entry Workover	Total Depth: 885' Plug Back Total Depth:
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth tosx cmt.
Well Name:	111 # 111 22 20
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan イドゴ ルド (0 つの つ8 (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content ppm Fluid volume bbls
Plug Back Plug Back Total Depth	Dewatering method used
Commingled Docket No	·
Dual Completion Docket No	Location of fluid disposal if hauled offsite: Operator Name: KANSAS CORRECTIVED
Other (SWD or Enhr.?) Docket No	Operator Name: KANSAS CORPORATION COMMISSION Lease Name: LAN 2 License
6/26/06 6/27/06 7/7/06	Lease Name: JAN 3 License Name: JAN 3 12007
Spud Date or Date Reached TD Completion Date or	Quarter Sec. Twp. Sec. East West County: Wicking Ks
Recompletion Date Recompletion Date	County: WICHTA, KS
	A CONTRACTOR OF THE CONTRACTOR
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs at TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. I months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulat herein are complete and correct to the best of my knowledge.	e the oil and gas industry have been fully complied with and the statements
Signature: Carol a Leavs	KCC Office Use ONLY
Title: Land Administrator Date: 1/29/07	Letter of Confidentiality Received
Subscribed and sworn to before me this 79th day of January	M. TUS
20 07	Wireline Log Received
1-t. 11. June 9:	Geologist Report Received
Notary Public: June M. Owing 9	UIC Distribution
Date Commission Expires: 5-27-08	
WAYE OF	500

Operator Name: Admir	al Bay (USA) Inc	•	·····	Lease	Name:_	Tucl	ker	_ Well #:	4-13	
Sec Twp33			West	County	y:	Labette				
NSTRUCTIONS: Show tested, time tool open a temperature, fluid recover Electric Wireline Logs s	and closed, flowing a very, and flow rates	and shut if gas to	-in pressures, v surface test, al	whether sl ong with t	hut-in pre	ssure reached :	static level, hydro	static pressur	res, bottom	hole
Drill Stem Tests Taken (Attach Additional Sh	eets)	Ye	es 📝 No		√ La	og Formatio	on (Top), Depth a	nd Datum	<u></u> Sa	ample
Samples Sent to Geolo		☐ Ye	es 🗹 No		Name	•		Тор	D	atum
Cores Taken			es 📝 No	•	Excel	lo		303'	51	5'
Electric Log Run (Submit Copy)		√ Y€	es No		Rivert			769'	4	-
ist All E. Logs Run:					Missis	ssippian		780'	3	B'
High Resolution Compensa Dual Induction LL3/GR Gamma Ray/Neutron/CCL I Mud Log	-	9							•	
		Popo	CASING I		✓ Ne	w Used	ion etc			
Purpose of String	Size Hole	.	e Casing		ight	Setting	Type of	# Sacks	Type a	nd Percent
Purpose of String Surface	Drilled 9 5/8	Set	(In O.D.) 3 5/8	Lbs. 20		Depth 20	Cement Portland	Used 143		ditives
Production	6 3/4		1/2	10	1/2	866	OWC	140	Flow sea	I, Cal. Glid
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	ADDITIONAL	CEMENT	ING / SQL	JEEZE RECORD)			
Purpose: Perforate Protect Casing Piug Back TD Plug Off Zone	Depth Top Bottom	Туре	of Cement	#Sack	s Used		Type and F	Percent Additive	S	
Shots Per Foot			RD - Bridge Plug Each Interval Perl)		cture, Shot, Cemen		ord	Depth
4	769' - 772'					3200# 20/40), 2600# 12/20, 4	160 bbl water	;	769' - 772'
						200 gal 15%	HCL acid	RECEIVE		
								MOLENA	COMMO	```
				,			•,	אל מיני אויר	IN7	Ol4
							CONSL	RVATION	101011	
TUBING RECORD	Size	Set At		Packer	At	Liner Run	Yes ☐ No	7.10	CION	
Date of First, Resumerd F	Production, SWD or En	hr.	Producing Meth							
10/2/06					Flowing				ner (Explain)	
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er B	bls. C	Sas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF CO	MPLETIC	ON			Production Inter	val			
Vented ✓ Sold (If vented, Subn	Used on Lease		Open Hole	Per	f. 🔲 C	oually Comp.	Commingled	· · · · · · · · · · · · · · · · · · ·		

B&L CEMENTING P.O. BOX 517 CHANUTE, KANSAS 66720 620-431-0455 OFFICE

ICKET NUM	3ER	
LOCATION	Manuel Valle	1
FOREMAN	Jim Williams	

C	FM	FN	İΤ	TRE	-Δ	TM	FN	TF	₹FI	PN	R	г
v	- 171	_,,		1176	-~				`	_		

CEMENTIK	EATMENT REPO	ri	143	Sacks	
ATE WELL NAME 7-7-06 Yunkar 4/3	Hole	Pipe	Annual Volumi		
ECTION TOWNSHIP RANGE COUNTY	6 3/4"	4 1/2"	40.5		
13 COUNTY	6 1/2"	4 1/2"		876	-
ISJOMER	6 1/4"	2 1/2"	46	8/6	_1/9
			33.5		
ALLING ADDRESS	5 1/4"	2 1/2"	53.5		
illing ADDRESS /	5 1/4"		47		4
rv	5 1/2"	2 1/2"	41		4
TY	Tubing-Lin		1 145		4
ATE	11"	8 5/8"	15		
ATE ZIP CODE	10'	7"	24		191
	4 1/2"	10.5		866	_//
ME ARRIVED ON LOCATION	2 1/2"		170		
MELL DATA	2"		250		
WELL DATA	<u> </u>	77/57 5			
LE SIZE 6-14			TREATMENT		_
TAL DEPTH 876	() SURFA				
	1	JCTION CASI			
SING SIZE 4/2	, ,	ZE CEMENT			
SING DEPTH 8/6	() PLUG A	AND ABANDO	N		
	() PLUG E				
CKER DEPTH					4
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THORIZATION TO PROCEED TITUCKED ONTO 4/2 "CASING, ESTABLISHIE	() WASH () OTHER	DOWN R	BARRELS (OF WATER,	
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B&L Cementing P.O. BOX 517 CHANUTE, KANSAS 66720 620-431-0455 OFFICE

TICKET NUMBER	
LOCATION Journal Walley	

FIELD TICKET

DATE WELL NAME, # C 7-7-06 Tucker 4/3	QUARTER	SECTION	TOWNSHIP	COUNTY	FORM.
CHARGE TO Adniral Bay Res.		OWNER			
MAILING ADDRESS		OPERATION			
CITY AND STATE		CONTRACT	OR		·

QUANTITY	DESCRIPTION OF SERVICES	
OR UNITS	OR PRODUCT	NOTES bowe 12 Cal. blide,
7	PUMP CHARGE	1/2 Flow Seal
7	CONDITIONING HOLE	
_	<u>ADDITIVES</u>	
/	COTTONSEED HULLS	
1	METASYLCATE	
6	PREMIUM GEL	- DFa
	CITY WATER	KANSAS CORPORATION COMMISSION JAN 3 0 2007
/	4/2 RUBBER PLUG	JAN 3 0 2007
	LATCH DOWN RUBBER PLUG	CONSEDICE
	FLOAT SHOE	CONSERVATION DIVISION WESTIRA, KS
	4 1/2" DRILLABLE FLOAT SHOE	
/	BULK DELIVERY CHARGE	
	STAND BY TIME	
·	WASH DOWN	
/	WATER TRANSPORTS	Jul Barthe
	VACUUM TRUCK	Las War Milliam
143	CEMENT (OWC)	CUSTOMER SIGNATURE
	DIVERSIFIED LIGHT + KOL-SEAL	
	PLUGGING CEMENT	
	PORTLAND CEMENT	CUSTOMER (PLEASE PRINT)

L S WELL SERVICE, LLC
#33374
543A 22000 ROAD
CHERRYVALE, KS 67335

DRILLER LOG

Tucker 4-13 API: 15-099-23986-00-00 Sec 4, Twp 33, R 18 Labette County, Ks

Admiral Bay

	5.57	
0-2'	DIRT	6-26-06 Drilled 11" hole and set 23.2' of
2-5'	CLAY	8 5/8" surface casing with 6 sacks Portland
5-10"	SHALE	cement
10-30'	LIME	
30-157'	SHALE	6-27-06 Started drilling 6 3/4" hole
157-182'	LIME	
182-185'	BLACK SHALE-COAL	6-27-06 Finished drilling to T.D 876'
185-247'	SHALE	
247-275'	LIME	
275-279'	BLACK SHALE	
279-300	LIME	385'- Slight blow
300-302'	COAL	310' 3" on 1/2" ORIFICE
302-304'	BLACK SHALE	736' -4" on 1/2"ORIFICE
304-325'	LIME	811' -4" on 1/2"ORIFICE
325-408'	SHALE	
408-420'	SAND	

876' T.D.

SHALE

SAND

SHALE

SAND

SHALE

COAL

SHALE

LIME

420-571'

571-606'

606-676'

676-688'

688-766'

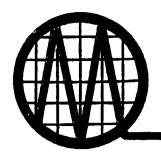
766-768'

768-776'

776-876'

861' T.D.

RECEIVED KANSAS CORPORATION COMMISSION JAN 3 0 2007 CONSERVATION DIVISION WICHITA, KS



MIDWEST SURVEYS

LOGGING • PERFORATING • CONSULTING • M.I.T. SERVICES
P.O. Box 68 • Osawatomie, KS 66064
Phone 913-755-2128 • Fax 913-755-6533

Perforation Record

Company:	Admiral Bay Resources, Inc.	
Lease/Field:	Tucker Lease	
Well:	# 4-13	
County, State:	Labette County, Kansas	
Service Order #: _	17289	
Purchase Order #:_	N/A KANSAS CI	RECEIVED ORPORATION COMMISSIO AN 3 0 2007
Date:	7/26/2006 CONS	AN 3 0 2007
Perforated @:	769.0 to 772.0	RVATION DIVISION ICHITA, KS
Type of Jet, Gun		
or Charge: 3 3/	8" DP 23 Gram Tungsten Expendable Casing Gun	· —
Number of Jets,		
Guns or Charges: _	Thirteen (13)	
Casing Size:	4.5"	



MIDWEST SURVEYS

17289

LOGGING • PERFORATING • M.I.T. SERVICES

P. O. Box 68 Osawatomie, KS 66064 913 / 755-2128

	Date	126106
services order,	CONDITIONS: Midwest Surveys is hereby instructed to deliver the equipment of ered hereon or as verbally directed, under the terms and conditions printed on the which I have read and understand and which I accept as Customer or as Customer	e reverse side
Service and/or	r Equipment Ordered	• • • • • • • • • • • • • • • • • •
SIGN BEFOR	E COMMENCEMENT OF WORK	
Customer's N	ame Colminal Bay Resources, Inc. By Gustomer's Authori	
	ame Cidmiral Cay Resources 11-12. Customer's Authority	zed Representative
Charge to.	Omical Bay Resources, Inc. Custome Order No.	o. Jim Morris
Mailing Addre	ss	• • • • • • • • • • • • • • • • • • • •
Well or Job Na and Number .	ame Jocker # 4-13 county Labette state Kansas	
QUANTITY	DESCRIPTION OF SERVICE OR MATERIAL	PRICE
13cg	33/8" DP 23 Cram Tungston Expendable Casing Coun	
	1600 Phase Four 14) Perforations Per Foot	2/ 0
	Minimum Charge - Ten (10) Perforations	\$ 82500
	Three (3) C. Addina of Perforations 6 8 75 00 ec	70.00
	Three (3) additional tertorations @ \$ 75.00 ea	3' 75.00
	Perforated at: 769.0 to 772.0	
	KANSAS CORF	PRATION COMMISSION
	JAN	J 0 2007
	CONSERV	TION DIVISION
	W/C	TA, KS
	Total	\$ 975.00
·	The above described service and/or material has hereby accepted and approved for payment. Customer's Name Constant Cons	incs. Inc.
Serviced by:	Day Werden By Contemporary Authorized Representative	Date 7 126100

White — Customer

Canary — Accounting



#5 or 5

TICKET NUMBER 30652

LOCATION Hayer

1530 S. SANTA FE. CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

14/04 010	of Tick	LL 4-13	SECTION TWP	AGE	LB K	FORMATION
ARGE TO ACL	mival bay 1	essurea)	OWNER			
VILING ADDRESS			OPERATOR A	indha	rei	
TY & STATE			CONTRACTOR		· · · · · · · · · · · · · · · · · · ·	·
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION O	F SERVICES OR PROD	DUCT	UNIT	TOTAL AMOUNT
5102C	-1	PUMP CHARGE 100	Off Con	ilo		1550 3
51920	7	acid Bal	OFT-BLU	20d		NC
5010	1	alled 2	reled Pe	MP.		1600
5302	1	aced As	207			305.2
5711	/	treelle)			490.4
7/47	700	1 - 1 - 1 - 1	/A-ri	two	ļ	
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4326	10	18" 13222	+		<u> </u>	22.60
112-3	0	Cufoner	Geruega	1 with	e e	
	1	Cham.	Juj. Premy	0.		940
5107	1	Bull of	alector			900
5604	1	Fractal	4			6800
(23/	300	Frachel				1716
1208		sel bre	· · · · · · · · · · · · · · · · · · ·			13654
12054	10	Bucide	2		 	253.50
1252	23	mastro			 	805.00
		BLENDING & HANDLING	bel frac	Rel.		-
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	· · · · · · · · · · · · · · · · · · ·	STAND BY TIME		D=-		
5108	40	MILEAGE X 4	KANSAS	CORPORATIO	ED COMMISSION	14.
5301F	1	WATER TRANSPORTS	1	- STATIO	V COMMISSION	2650
		VACUUM TRUCKS		JAN 3 0 2	nnz	
2101	3700	FRAC SAND 201	40 CONS	FD	907	4480
2102.	26004	(3-1	20	SERVATION DIV WICHTA, KS	Islau	416 0
		CEMENT		CN Prince		
					SALES TA	x 1.48
				,		
2790	•	<u> </u>			ESTIMATED TOTA	6700
	~ '	-1		1	ESTIMATED TOTA	-1212
		n		he	Cal. D.	
STOMER or AGENTS	SIGNATURE 1	noms	CIS FOREMAN	Mary	uner	

CUSTOMER or AGENT (PLEASE PRINT)

207704

CONSOLIDATED OIL WELL SERVICES, INC. P.O. BOX 634, CHANUTE, K8 66720 620-431-9210 OR 800-467-8676

450F5

FIRED TICKET REF # 30652

LOCATION TAPALL

FOREMAN SALLY W.

CONSERVATION DIVISION WICHITA, KS

TREATMENT REPORT FRAC & ACID

DATE	CUSTOMER#	1	L NAME & NUME		SECTION	TOWNSHIP	RANGE	COUNTY
8400		TUCKE	e 41.	3	13			LB
CUSTOMER	niral Ba	_						
FICH	AIPA DO	14			TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRE	SS]	293	Cett	•	
			•		449	Charlel		
CITY		STATE	ZIP CODE		455	Rest		
					482	Token	<u> </u>	
					449/1703	Grown	Ł.	
	WELL	DATA			424	Stead		
CASING SIZE	#1/2"	TOTAL DEPTH	866			TYPE OF TR	PATMENT.	
CASING WEIGHT		PLUG DEPTH			Heid St	ert Alsa	150W	truc
TUBING SIZE	·	PACKER DEPTH	1		77-70 21	CHEMI	CALS	7720
TUBING WEIGHT	•	OPEN HOLE			45 % He	Z	MACE	
PERFS & FORMA	TION				Wasa	Cal	TOUR TO	
RIVERR		764-1	72 2	13)	Rose		-	
					Baced		 	
					7 30000			
) STA	AGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND/STAGE	PSI		
Pad	_	(00)	4-8-12	-		1010-1284	BREAKDOWN	1012
2	6/40		12	1251		12/2-1256	START PRESS	
	/		12	15	4	1769-1249	END PRESSUI	
	/		12	.15	3200	1246-1200	BALL OFF PRE	
			12	1		1200	ROCK SALT P	
12	2/20		12	,25	acas -	1763-124		860.
	A		/2	15	7600	1278-1213		563
	/		12	125-1		1202-1830		<u> </u>
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REMARKS:								
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Exp	plish 4	BALL PUR	up Kate	Rem	100 gal 11	6 W/ 10	Balls.	
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		:						
AUTHORIZATION	Fim!	non	(A	TITLE			DATE	
				,				CEIVED PRATION COMMISSION
•							JAN .	3 0 2007

JINEAR PLOT Prepared by: Consolidated Oil Well Services p 2000 R 1800 Company Name: Admiral Bay Resources 36 E 1600 32 Well Name: Tucker 4-13 S 1400 28 S -1200 Field: Mound Valley U 1000 Formation: Riverton 800 County: LB 600 400 State: KS 200 Job Date: 08/04/06 Comments: Acid Spt/ABO/sand frac 2000 10 Perfs 769-72, 13shts 1800 spot 100. , abo 100 gal R 1600 Fluids: 468 bbls, 15# gel, maxflo, biocide 1400 Proppants: 3200 20/40, 2600 12/20 S 1200 Average Rate: 12 1000 Average STP: 1200 E 800 Tubing: 600 Casing: 4 1/2 400 Packer: 200 RECEIVED
RECEIVED Filename: 06031706 12 18 24 30 35 47 53 Closure Pres: 4000 Elapsed Time (min), Start at 16:41:21 JAN 3 0 2007

STIMULATION DESIGN



WELL - TUCKER 4-13

FIELD - MOUND VALLEY

FORMATION - RIVERTON COAL

PERFORATIONS - 769 - 772

OF SHOTS - 4 SHOTS PER FOOT

NOTES - SPOT ACID ON PERFS, BREAK DOWN, PUMP AS PER SCHEDULE

ADJUSTING RATE OR SAND CONCENTRATION TO GET TOTAL JOB VOLUME PUT AWAY

			VOLUME -	SAND	SAND	RATE	SAND	CUM	CUM
STAGE	DESCRIPTION	FLUID	BBLS	MESH	CONC	BPM	LBS	BBLS	SAND#
1	SPOT ACID ON PERFS	15% HCL	200 GALS	 					
2	ACID BREAKDOWN	10#/GAL GUAR	10		 		 	10	
3	SHUT DOWN, TAKE ISIP			 				 	1
4	PUMP PAD	10#/GAL GUAR	75			12-15	 	85	
5	PUMP SAND STAGE	10#/GAL GUAR	25	20/40	.25	12-15	262.5	. 110	262.5
6.	PUMP SAND STAGE	10#/GAL GUAR	25	20/40	.375	12-15	393.75	135	656.25
7	PUMP SAND STAGE	10#/GAL GUAR	25	20/40	.50	12-15	525	160	1181.25
8	PUMP SAND STAGE	10#/GAL GUAR	50	20/40	.75	12-15	1575	210	2756.2
9	PUMP SAND STAGE	10#/GAL GUAR	25	12/20	0.125	12-15	131.25	235	131.25
10	PUMP SAND STAGE	10#/GAL GUAR	50	12/20	0.25	12-15	525	285	656.25
	PUMP SAND STAGE	10#/GAL GUAR	50	12/20	.375	12-15	787.5	335	1312.5
12	PUMP SAND STAGE	10#/GAL GUAR	50	12/20	.50	12-15	1050	385	2362.5
13	PUMP FLUSH	WATER	75					460	
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			<u> </u>	<u> </u>	 			ļ	
		TOTAL DIRTY VOLUME	460		 	# SAND	5118.75	 	+

SHUT IN OVERNIGHT TO ALLOW FOR COMPLETE GEL BREAK. FLOW BACK ON CHOKE INITIALLY TO ALLOW FOR SOLIDS SETTLING AFTER 1 HOUR, OPEN WELL TO FULL 2" OPEN VALVE

