

ORIGINAL

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

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 33583
Name: Admiral Bay (USA) Inc.
Address: 7060B S. Tucson Way
City/State/Zip: Centennial, CO 80112
Purchaser: Southern Star
Operator Contact Person: Steven Tedesco
Phone: (303) 350-1255
Contractor: Name: BC Steel
License: 33711

Wellsite Geologist: Neil Sharp
Designate Type of Completion:
[X] New Well [] Re-Entry [] Workover
[] Oil [] SWD [] SLOW [] Temp. Abd.
[X] Gas [] ENHR [] SIGW
[] Dry [] Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
[] Deepening [] Re-perf. [] Conv. to Enhr./SWD
[] Plug Back [] Plug Back Total Depth
[] Commingled [] Docket No.
[] Dual Completion [] Docket No.
[] Other (SWD or Enhr.?) [] Docket No.

5/17/06 5/19/06 5/23/06
Spud Date or 29th day of Sept 2006
Recompletion Date Date Reached TD Completion Date or
Recompletion Date

API No. 15 - 207-27017-00-00
County: Woodson
.ne .se .sw Sec. 27 Twp. 26 S. R. 17 [X] East [] West
755 fsl feet from S / N (circle one) Line of Section
655 fel feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Cooper Well #: 16-27
Field Name: Humboldt-Chanute
Producing Formation: Riverton Coal
Elevation: Ground: 961 Kelly Bushing:
Total Depth: 1205 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at Feet
Multiple Stage Cementing Collar Used? [] Yes [X] No
If yes, show depth set Feet
If Alternate II completion, cement circulated from
feet depth to w/ sx cmf.

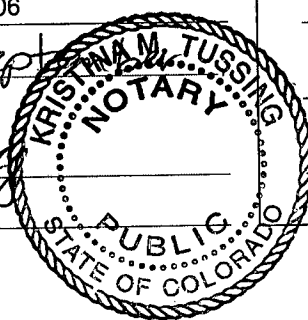
Drilling Fluid Management Plan ACT II WITH 12-11-07
(Data must be collected from the Reserve Pit)
Chloride content ppm Fluid volume bbls
Dewatering method used air dry
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter Sec. Twp. S. R. [] East [] West
County: Docket No.:

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OCT 03 2006
CONSERVATION DIVISION
WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]
Title: President Date: 9/29/06
Subscribed and sworn to before me this 29th day of Sept 2006
Notary Public: [Signature]
Date Commission Expires: 5-22-06



KCC Office Use ONLY
N Letter of Confidentiality Received
If Denied, Yes [] Date:
[] Wireline Log Received
[] Geologist Report Received
[] UIC Distribution

Operator Name: Admiral Bay (USA) Inc. Lease Name: Cooper Well #: 16-27
 Sec. 27 Twp. 26 S. R. 17 East West County: Woodson

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

List All E. Logs Run:

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Gamma Ray, Density-Neutron **OCT 03 2006**

CONSERVATION DIVISION
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CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9 5/8	8 5/8	20	20	Portland	5	
Production	6 3/4	4 1/2	9.5	1191	Thickset	146	Kol & Flo seal; gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	1069' to 1071'	3100# 20/40 sand; 2700# 12/20 sand	1069-1071

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
Waiting on pipeline	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify) _____



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: Cooper Lease

Well: # 16-27

County, State: Woodson County, Kansas

Service Order #: 17216

Purchase Order #: N/A

Date: 7/07/2006

Perforated @: 1068.0 to 1071.0

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"

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CONSOLIDATED OIL WELL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

TICKET NUMBER 4272
LOCATION Ottawa KS
FOREMAN Fred Mader

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-30-06	1067	Cooper # 16-27	27	26	17	WO
CUSTOMER Admiral Bay Resources			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 410 N State St.			506	Fred	488-7102	Mat Mah (Tray)
CITY Tola			164	Richard		
STATE KS			122	Garland		
ZIP CODE 66749			439	Justin Jones (Eureka)		

JOB TYPE: Long string HOLE SIZE 6 3/4 HOLE DEPTH 1195' CASING SIZE & WEIGHT 4 1/2"
CASING DEPTH 1191' DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 4 1/2" Rubber Plug
DISPLACEMENT 18.9 DISPLACEMENT PSI 1200 MIX PSI 200 RATE 53 PM

REMARKS: Wash Last Joint down. Mix + Pump 200# Premium Gel
Flush. Mix + Pump 13 BBL Tell tale dye Ahead of 160 sks
Thickset Cement w/ 5# Kol Seal + 1/4# Flo Seal per sack Flush
pump + lines clean. Displace 4 1/2" Rubber plug to casing TD
w/ 18.9 BBL Fresh Water. Pressure to 800# PSI. Release
Pressure to set Float Valve. Check plug depth w/ wireline.

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5406	1	PUMP CHARGE Cement Pump	164	800.00
5406	5 mi	MILEAGE Pump Truck	164	1575.00
5407A	4.418 Ton	Ton Mileage	122	324.72
5407A	35 3.102 Ton	Ton Mileage	439	228.00
5601C	10 2 hrs	Transport 488-7102		196.00
1126 A	89 sks	Thickset Cement		1303.00
1126 A	35 57 sks	Thickset Cement		835.00
1100 A	470 #	Kol Seal		169.20
1110 A	35 300 #	Kol Seal		108.00
1107	24 #	Flo Seal		43.20
1107	35 15 #	Flo Seal		27.00
1118 B	200 #	Premium Gel		28.00
4404	1	1/2" Rubber Plug		40.00
	WO# 205839	Sub Total		4118.22
	205844	Tax @ 6.3%		160.91
	205846			
SALES TAX				
ESTIMATED TOTAL				4279.68

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CONSOLIDATED OIL WELL SERVICES, INC.
 P.O. BOX 884, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER 41709
 FIELD TICKET REF # 29969
 LOCATION Shawnee
 FOREMAN Doug Baker

TREATMENT REPORT
 FRAC & ACID

7-19-09

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-19-09		Cooper 16-27	27	24	17	000
CUSTOMER			TRUCK #			
Admiral Bay Res.			DRIVER			
MAILING ADDRESS			TRUCK #			
CITY			DRIVER			
STATE			TRUCK #			
ZIP CODE			DRIVER			

WELL DATA	
CASING SIZE <u>4 1/2</u>	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERES & FORMATION	
Reunion	1069-71 (9)

TYPE OF TREATMENT	
Acid Spot / Sand Frac	
CHEMICALS	
Hel	Malco
Frac Gel	
Breaker	
BIOCIDAL	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE PSI	PSI	
Pad	55	4-8-12-14		763-530	771	BREAKDOWN 1032
20/40			1/4		803	START PRESSURE 530
/			1/2			END PRESSURE 755
/			3/4	300#	732	BALL OFF PRESS -
12/00			1/4		715	ROCK SALT PRESS
/			1/2		738	ISIP 471
/			3/4	2700#	700	8 MIN 2 min. 341
/			1/2			10 MIN
/			1/4		723	15 MIN
FLUSH	105				747-755	MIN RATE 4.3
OVER FLUSH	88					MAX RATE 14.0
TOTAL				5800#		DISPLACEMENT 17

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REMARKS:

Spot 100 gal. on Perf. (15% Hel)

AUTHORIZATION Jim Morris TITLE _____ DATE _____

STIMULATION DESIGN

WELL - COOPER 16 - 27

FIELD - SHILOH

FORMATION - RIVERTON COAL

PERFORATIONS - 1069 - 1071

OF SHOTS - 4 SHOTS PER FOOT - 15 SHOTS

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

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

*Drill TD 1205
cement 5-30-06 4 1/2 TD 1191'*

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STAGE	DESCRIPTION	FLUID	VOLUME BBLs	SAND MESH	SAND CONC	RATE BPM	SAND LBS	CUM BBLs	CUM SAND #
1	SPOT ACID ON PERFS	15% HCL	200 GALS						
2	ACID BREAKDOWN	10#/GAL GUAR	10					10	
3	SHUT DOWN, TAKE ISIP								
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	2756.25
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
11	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	1837.5
13	PUMP FLUSH	WATER	75					460	
		TOTAL DIRTY VOLUME	460			# SAND	4593.75		

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

*28
25
43*

2493