

**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

*ORIGINAL*

Operator: License # 33583  
 Name: Admiral Bay (USA) Inc.  
 Address: 14550 E Easter Ave., Ste. 1000  
 City/State/Zip: Centennial, CO 80112  
 Purchaser: Seminole Energy  
 Operator Contact Person: Carol Sears  
 Phone: (303) 327-7016  
 Contractor: Name: L S Drilling  
 License: 33374  
 Wellsite Geologist: Greg Bratton

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     Temp. Abd.  
 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. \_\_\_\_\_

<u>6/19/06</u>	<u>6/20/06</u>	<u>6/21/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 099-23855-00-00  
 County: Labette  
NW SE NW NE Sec. 23 Twp. 33S S. R. 18  East  West  
858 feet from S / (N) (circle one) Line of Section  
1900 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 (circle one) (NE) SE NW SW  
 Lease Name: Johnson Well #: 2-23  
 Field Name: Wildcat  
 Producing Formation: Riverton  
 Elevation: Ground: 822' Kelly Bushing: 822'  
 Total Depth: 915' Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 20' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 901  
 feet depth to 8 w/ 150 sx cmt.  
AH2-Dig-2/11/09

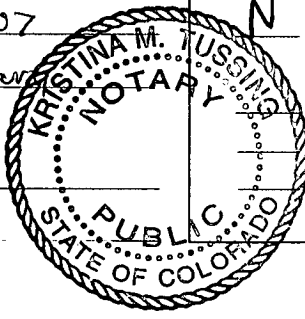
**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used \_\_\_\_\_  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. JAN 30 2007  East  West  
 County: \_\_\_\_\_  
 Docket No.: \_\_\_\_\_

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**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: Carol A Sears  
 Title: Land Administrator Date: 1/29/07  
 Subscribed and sworn to before me this 29th day of January  
20 07  
 Notary Public: Kristina M. Tussing  
 Date Commission Expires: 5-22-08



**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Admiral Bay (USA) Inc. Lease Name: Johnson Well #: 2-23  
 Sec. 23 Twp. 33S S. R. 18  East  West County: Labette

**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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Density Neutron Dual Induction LL3/GR Gamma Ray Mud Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Excello</td> <td>328</td> <td>494</td> </tr> <tr> <td>Riverton</td> <td>810</td> <td>12</td> </tr> <tr> <td>Mississippian</td> <td>820</td> <td>2</td> </tr> </table>	Name	Top	Datum	Excello	328	494	Riverton	810	12	Mississippian	820	2
Name	Top	Datum											
Excello	328	494											
Riverton	810	12											
Mississippian	820	2											

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	12 1/4	8-5/8	24	20	Portland	150	
Production	6 3/4	4-1/2	10 1/2	901	OWC		flow-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	810' - 813'	3700# 20/40, 2900# 12/20, 469 bbl water, 100 gal 15% HCL	810' - 813'

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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. <b>9/25/06</b>	Producing Method <input checked="" 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
		<b>20</b>			

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_

Production Interval  Other (Specify) \_\_\_\_\_

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

DRILLER LOG

Admiral Bay

Johnson #2-23  
API: 15-099-23855-0000  
Sec 23, Twp 33, R 18  
Labette County, Ks

1-2' SOIL  
2-5' CLAY  
5-11' SHALE  
11-30' LIME  
30-36 SHALE  
36-40 LIME  
40-55 SHALE  
55-61 LIME  
61-175 SHALE  
175-200 LIME  
200-203 SHALE  
203-210 BLACK SHALE  
210-245 LIME  
245-261 SHALE  
261-295 LIME  
295-300 SHALE  
300-302 BLACK SHALE  
302-323 LIME  
323-331 SHALE  
331-361 LIME  
361-418 SHALE  
418-425 BLACK SHALE  
425-430 SHALE  
430-431 SAND LIME  
431-440 SHALE  
440-455 SAND LIME  
455-457 SHALE  
457-458 COAL  
458-482 SHALE  
482-508 SANDY SHALE  
508-521 SHALE  
521-526 SANDY SHALE  
526-571 SHALE  
571-586 SAND  
586-605 SHALE  
605-651 SAND  
651-663 SHALE  
663-681 SAND  
681-761 SHALE  
761-771 SAND  
771-814 SHALE  
814-911 LIME

T.D. 911'

6-16-06 Drilled 11" hole and set 22.5' of  
8 5/8" surface casing with 6 sacks Portland  
cement

6-19-06 Started drilling 6 3/4" hole

6-19-06 Finished drilling to T.D 911'

310' SLIGHT BLOW  
410' SLIGHT BLOW  
485' SLIGHT BLOW  
836' 3" ON 1/2" ORIFICE  
761' 2" ON 1/2" ORIFICE

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

TICKET NUMBER \_\_\_\_\_  
 LOCATION Menard Valley  
 FOREMAN Jim Williams Jr.

CEMENT TREATMENT REPORT

150 sacks of cement

DATE <u>6-20-06</u>	WELL NAME <u>Sobosow 2/23</u>		
SECTION <u>23</u>	TOWNSHIP	RANGE	COUNTY
CUSTOMER <u>Admiral Bay Int.</u>			
MAILING ADDRESS			
CITY			
STATE		ZIP CODE	
TIME ARRIVED ON LOCATION			

Hole	Pipe	Annual Volumn In Linear Ft./Bl.
6 3/4"	4 1/2"	40.5
6 1/2"	4 1/2"	46 <u>911</u>
6 1/4"	2 1/2"	33.5
5 1/4"	2 1/2"	53.5
5 1/4"	2"	47
5 1/2"	2 1/2"	41
Tubing-Linear Ft./Bl.		
11"	8 5/8"	15
10'	7"	24
4 1/2"	10.5	63.1 <u>901</u>
2 1/2"		170
2"		250

20 bl.  
14.2 bl.

WELL DATA	
HOLE SIZE	<u>6 3/4</u>
TOTAL DEPTH	<u>911</u>
CASING SIZE	<u>4 1/2</u>
CASING DEPTH	<u>901</u>
PACKER DEPTH	
WIRE LINE READING BEFORE	
WIRE LINE READING AFTER	

TYPE OF TREATMENT
<input type="checkbox"/> SURFACE PIPE
<input checked="" type="checkbox"/> PRODUCTION CASING
<input type="checkbox"/> SQUEEZE CEMENT
<input type="checkbox"/> PLUG AND ABANDON
<input type="checkbox"/> PLUG BACK
<input type="checkbox"/> MISP. PUMP
<input type="checkbox"/> WASH DOWN
<input type="checkbox"/> OTHER

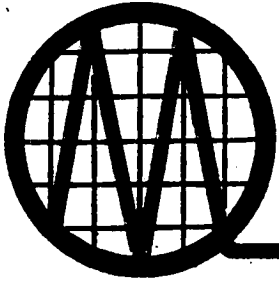
INSTRUCTIONS PRIOR TO JOB

AUTHORIZATION TO PROCEED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

HOOKED ONTO 4 1/2 "CASING. ESTABLISHED CIRCULATION WITH 30 BARRELS OF WATER,  
owc 5 gal 1/2 Cal. Gild 1/2 Flow Seal AHEAD, THEN BLENDED  
150 SACKS OF owc CEMENT, THEN DROPPED PUBBER PLUG, THEN  
 PUMPED 14.2 BARRELS OF WATER.

- LANDED PLUG ON BOTTOM AT 1500 PSI
- SHUT IN PRESSURE 1600
- LOST CIRCULATION
- GOOD CEMENT RETURNS
- TOPPED OFF WELL WITH \_\_\_\_\_ SACKS
- SET FLOAT SHOE-SHUT IN

Name Jim Williams Jr. Hours 1  
 Name Jeff Ellis - transport Hours 1  
 Name Mark Lewis - Bulk truck Hours 1  
 Name Dan Pucket - Pump truck Hours 1



# 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: Johnson Lease

Well: # 2-23

County, State: Labette County, Kansas

Service Order #: 17410

Purchase Order #: N/A

Date: 8/22/2006

Perforated @: 810.0 to 813.0

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**  
AN INFINITY COMPANY

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

#1

TICKET NUMBER 30000

LOCATION Trayer  
Gray #12000 NW-S. Side

FIELD TICKET

DATE <u>8/25/06</u>	CUSTOMER ACCT # <u>19167</u>	WELL NAME <u>Johnson 2-23</u>	QTR/QR <u>23</u>	SECTION <u>23</u>	TWP	RGE	COUNTY <u>KS</u>	FORMATION <u>Riverton</u>
CHARGE TO <u>Admiral Bay Res.</u>				OWNER				
MAILING ADDRESS				[ OPERATOR ] <u>Scott Morris</u>				
CITY & STATE				CONTRACTOR				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5102B	1	PUMP CHARGE 1300 HP <u>Condo</u>		2400
5302	1	HEAD SPOT		460.00
5310	1	HEAD TRAILER		160.00
5114	1	FLAC VAN		650.00
3107	100	15% HCL		130.00
1123	0	Water (THEIRS)		NA
1231	300	FLAC GEL		1365
1208	1	Breaker		164.25
1205A	10#	BIOCIDE		253.50
1252	20	MAXFLO		700.00
5604	1	FRAC VALVE		68.00
5707	1	CHEM. INT PUMP		94.00
5103	1	BLENDED & HANDLING Gel Frac TANK		265.00
5709	40	TON-MILES		275.00
5108	40	STAND BY TIME		504.00
5501F		MILEAGE X4 P/E/S/V		
		WATER TRANSPORTS X1		
		WAGONS TRUCKS X1		
2101	3700	FRAC SAND		518.00
2102	2900	CEMENT		464.00
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Rev'n 2700

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ESTIMATED TOTAL 8470.75

CUSTOMER or AGENTS SIGNATURE

Scott Morris

CIS FOREMAN

Brett Borsby 8470.75

CUSTOMER or AGENT (PLEASE PRINT)

DATE

208458

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

1st well

TICKET NUMBER 37721  
 FIELD TICKET REF # 30000  
 LOCATION Thayer  
 FOREMAN Scott Morris

TREATMENT REPORT  
 FRAC & ACID

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-25-06		Johnson 2-23	23			LB
CUSTOMER			TRUCK #			
Admiral Bay Resources			DRIVER			
MAILING ADDRESS			TRUCK #			
CITY			DRIVER			
STATE			TRUCK #			
ZIP CODE			DRIVER			
			476 Dustin			
			490 Steve H			
			449 Charlie			
			48274 Eric			
			459 Charles			
			455795 Danny			

WELL DATA

CASING SIZE <u>4 1/2</u>	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>810-13 (13) Riverton</u>	

TYPE OF TREATMENT

Acid spot	Frac
-----------	------

CHEMICALS

Max-flo	
Acid	
Biocide	
Breaker	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
PAD	95	248-12			600-950	BREAKDOWN 795
20-40		12	.10		900	START PRESSURE
20-40		12	.25			END PRESSURE
20-40		12	.5			BALL OFF PRESS
20-40		12	.75			ROCK SALT PRESS
20-40		12	1.0	3700*	745	ISIP 480
12-20		12	.25		750	5 MIN 251
12-20		12	.50			10 MIN
12-20		12	.75			15 MIN
12-20		12				MIN RATE 2
12-20		12	1.0	2900*	766	MAX RATE 12
FLUSH	13	12				DISPLACEMENT 12.8
OVERFLUSH	80	12				
TOTAL	469		TOTAL	6,600*	840	

REMARKS: spot 100 gal. - 15% HCL acid on perfs /

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Location 8:30AM - 10:15AM 35 miles  
 AUTHORIZATION Scott Morris TITLE \_\_\_\_\_ DATE 8-25-06



Prepared by: Consolidated Oil Well Services

Company Name: Admiral Bay

Well Name: Johnaon 2-23

Field: Mound Valley

Formation: Riverton

County: LB

State: KS

Job Date: 08/25/06

Comments: Spot 100 gal 15%

Perfs 810-13, 13 shts

Fluids: 469 bbls. 15# gel, bio, maxflo

Proppants: 3700 20/40, 2900 12/20

Average Rate: 12.3

Average STP: 780

Tubing:

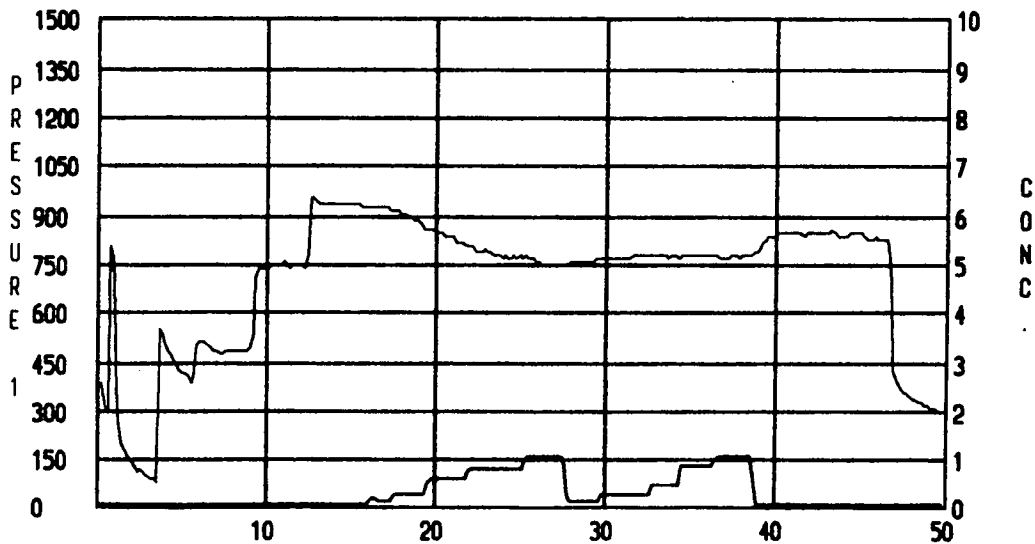
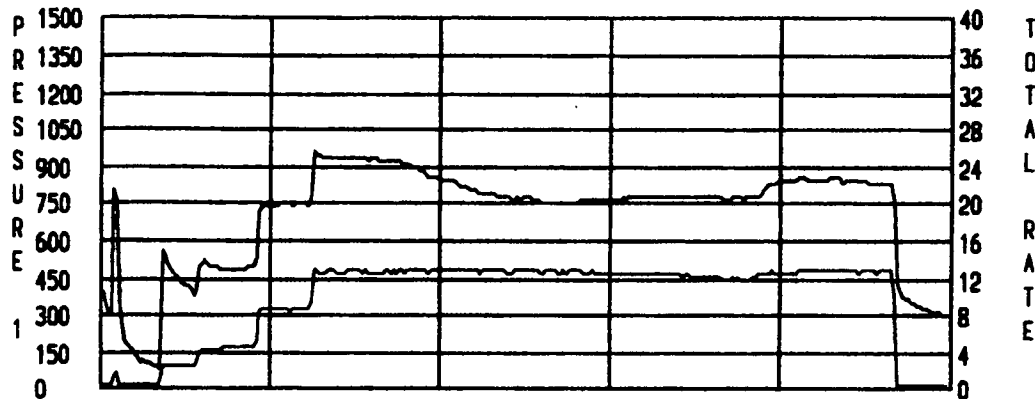
Casing: 4 1/2

Packer:

Filename: 06081801

Closure Pres: 4000

### LINEAR PLOT



Elapsed Time (min), Start at 09:05:31

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2/26  
2/27  
2/29

Date:		Zones:	Line
Lease:	Johnson 2-23	Perfs:	810-13 3' (13)
1			12 600 400
2			4 500 450
3			8 740
4			12 950 950
5	20/40	.12 - .25	902 850
6		.50	809 762
7		.75	762 750
8		1	745
9			
10			
11			
12	12/20	.12	756 760
13		.25	764
14		.5	
15		.75	772
16		1	766
17			
18			
19	FLUSH		840
20			
21			
22			
23			
24			

**ACID JOB DATA**

Acid Spot	100	Breakdown	795
Acid for Balloff		ISIP	
Total Balls		High PSI	5 min
Total Water		Low PSI	10 min
Flush		Average PSI	15 min
Overflush			

**FRAC JOB DATA**

Total Pad	95	Breakdown	795
Total Water	469	ISIP	450
Total Sand	37 + 29 = 66	High PSI	950
Ballsealers		Low PSI	745
Total Acid		Average PSI	780
Flush total	93		
Overflush	80		

Ball drops  
stage volume

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P.3  
 6974-SB-7769  
 620-365-7769  
 SERVICE  
 01-10-2007  
 09:00 AM 10:00 AM

**STIMULATION DESIGN**

WELL - JOHNSON 2-23  
 FIELD - MOUND VALLEY  
 FORMATION - RIVERTON COAL  
 PERFORATIONS - 810 - 813  
 # OF SHOTS - 4 SHOTS PER FOOT

3' (B)

NOTES - SPOT ACID ON PERFS, BREAK DOWN, PUMP AS PER SCHEDULE  
 ADJUSTING RATE OR SAND CONCENTRATION TO GET TOTAL JOB VOLUME PUT AWAY

STAGE	DESCRIPTION	FLUID	VOLUME BBLS	SAND MESH	SAND CONC	RATE BPM	SAND LBS	CUM BBLS	CUM SAND #
1	SPOT ACID ON PERFS	18% HCL	208 GALS						
2	ACID BREAKDOWN	100GAL GUAR	10					10	
3	SHUT DOWN, TAKE 15IP								
4	PUMP PAD	100GAL GUAR	75						
6	PUMP SAND STAGE	100GAL GUAR	25	20/40	.25	12-15	262.5	65	262.5
6	PUMP SAND STAGE	100GAL GUAR	25	20/40	.375	12-15	383.75	110	688.25
7	PUMP SAND STAGE	100GAL GUAR	25	20/40	.60	12-16	525	135	1161.25
8	PUMP SAND STAGE	100GAL GUAR	50	20/40	.75	12-15	1575	180	2700.25
9	PUMP SAND STAGE	100GAL GUAR	25	12/20	0.125	12-16	131.25	210	3780.25
10	PUMP SAND STAGE	100GAL GUAR	50	12/20	0.25	12-15	525	236	4311.25
11	PUMP SAND STAGE	100GAL GUAR	50	12/20	.375	12-15	787.5	286	5098.75
12	PUMP SAND STAGE	100GAL GUAR	50	12/20	.50	12-15	1050	386	6148.75
13	PUMP FLUSH	WATER	75					460	
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

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37+29  
 780# A-2  
 Water. 469.  
 ED 795