

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
October 2008  
Print Must Be Typed

9/2/11

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4058  
Name: American Warrior, Inc.  
Address 1: P. O. Box 399  
Address 2: \_\_\_\_\_  
City: Garden City State: KS Zip: 67846 + \_\_\_\_\_  
Contact Person: Joe Smith  
Phone: ( 620 ) 275-2963  
CONTRACTOR: License # 31548  
Name: Discovery Drilling Co., Inc.  
Wellsite Geologist: Jason Alm  
Purchaser: NCRA  
Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
\_\_\_\_\_ 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. \_\_\_\_\_ Conv. to SWD \_\_\_\_\_  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
6-22-09      6-28-09      7-20-09  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 135-24,926-0000  
Spot Description: 30'S & 70'W OF  
\_\_\_\_\_ NE \_\_\_\_\_ SE \_\_\_\_\_ NE Sec. 23 Twp. 18 S. R. 26  East  West  
1680 Feet from  North /  South Line of Section  
400 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: NESS  
Lease Name: WATSON 'A' Well #: 1-23  
Field Name: ALDRICH  
Producing Formation: MISSISSIPPIAN  
Elevation: Ground: 2506' Kelly Bushing: 2514'  
Total Depth: 4480' Plug Back Total Depth: 4456'  
Amount of Surface Pipe Set and Cemented at: 220 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1738 Feet  
If Alternate II completion, cement circulated from: 1738'  
feet depth to: SURFACE w/ 125 sx cmt.

Drilling Fluid Management Plan AH INJ 10509  
(Data must be collected from the Reserve Pit)  
Chloride content: 16,000 ppm Fluid volume: 160 bbls  
Dewatering method used: HAULED OFF SITE  
Location of fluid disposal if hauled offsite:  
Operator Name: AMERICAN WARRIOR, INC.  
Lease Name: STELLA SUTTON License No.: 4058  
Quarter NW Sec. 24 Twp. 18 S. R. 26  East  West  
County: NESS Docket No.: E-7,952

**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: COMPLIANCE COORDINATOR Date: 7-30-09  
Subscribed and sworn to before me this 2<sup>nd</sup> day of September,  
20 09.  
Notary Public: [Signature]  
Date Commission Expires: 07/02/2013

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
\_\_\_\_\_  
UIC Distribution  
**RECEIVED**  
**SEP-03-2009**

**" OFFICIAL SEAL "**  
NOTARY PUBLIC, STATE OF KANSAS  
Eric Eves  
My Appointment Expires 07/02/2013

**KCC WICHITA**

Operator Name: American Warrior, Inc. Lease Name: WATSON 'A' Well #: 1-23  
 Sec. 23 Twp. 18 S. R. 26  East  West County: NESS **SEP 09 2009**

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**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 checked="" type="checkbox"/> Yes <input 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: DUAL INDUCTION LOG; DUAL COMPENSATED PRORSITY LOG; MICRORESISTIVITY LOG; SONIC CEMENT BOND 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>Top Anhydrite</td> <td>1770</td> <td>+744</td> </tr> <tr> <td>B/Anhydrite</td> <td>1804</td> <td>+710</td> </tr> <tr> <td>HEEBNER</td> <td>3757</td> <td>-1243</td> </tr> <tr> <td>LANSING</td> <td>3797</td> <td>-1283</td> </tr> <tr> <td>BKC</td> <td>4119</td> <td>-1605</td> </tr> <tr> <td>PAWNEE</td> <td>4242</td> <td>-1728</td> </tr> <tr> <td>MISS</td> <td>4412</td> <td>-1898</td> </tr> </table>	Name	Top	Datum	Top Anhydrite	1770	+744	B/Anhydrite	1804	+710	HEEBNER	3757	-1243	LANSING	3797	-1283	BKC	4119	-1605	PAWNEE	4242	-1728	MISS	4412	-1898
Name	Top	Datum																							
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BKC	4119	-1605																							
PAWNEE	4242	-1728																							
MISS	4412	-1898																							

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"	23#	220'	Common	150	3%cc, 2%Gel
PRODUCTION	7-7/8"	5-1/2"	15.5#	4479'	EA/2	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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	4412' TO 4416'	1000 GAL; 20#FENE 1/2 BPM, VAC	SAME

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TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>4454'</u> Packer At: <u>NONE</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>KCC WICHITA</b>
Date of First, Resumed Production, SWD or Enhr. <u>9-1-09</u> <del>SHUT-IN WAITING ON PUMPING UNIT</del>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. <u>N/A</u>	Gas Mcf <u>N/A</u> Water Bbls. <u>N/A</u> Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	---	--



CHARGE TO: *American Warrior Inc*  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET No 16087

KCC  
 SEP 09 2009  
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PAGE 1 OF 1

SERVICE LOCATIONS  
 1. *Hays, Ks.*  
 2. *Ness City, Ks.*  
 3.  
 4.

WELL/PROJECT NO.  
 LEASE *Watson*  
 COUNTY/PARISH *Ness*  
 STATE *Ks*  
 CITY

TICKET TYPE  
 SERVICE  
 SALES  
 CONTRACTOR *H-D Drilling Service*  
 RIG NAME/NO.  
 SHIPPED VIA *CTF*  
 DELIVERED TO *Location*  
 DATE *7-14-09*  
 OWNER *Same*  
 ORDER NO.

WELL TYPE *oil*  
 WELL CATEGORY *Development*  
 JOB PURPOSE *Pert Collar*  
 WELL PERMIT NO.  
 WELL LOCATION

REFERRAL LOCATION  
 INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	20	mi			5 <sup>00</sup>	100 <sup>00</sup>
576D		1			Pump Charge (Pert Collar)	1	cu	1738'		1100 <sup>00</sup>	1100 <sup>00</sup>
290		1			D-Air	2	gal			35 <sup>00</sup>	70 <sup>00</sup>
330		2			SMD Cement	125	sks			14 <sup>00</sup>	1750 <sup>00</sup>
276		2			Flocele	50	#			1 <sup>50</sup>	75 <sup>00</sup>
581		2			Cement Service Charge	200	sks			1 <sup>50</sup>	300 <sup>00</sup>
582		2			Minimum Drayage	1	cu			250 <sup>00</sup>	250 <sup>00</sup>

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 KCC MICHITA

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
*By Wick Korbe*

*x Joe Smith*  
 DATE SIGNED *7-14-09* TIME SIGNED *1010*  
 A.M.  
 P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				3645 <sup>00</sup>
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL

*Ness*  
 TAX 5.3%  
 100 44

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR  
 APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7-14-09 PAGE NO. 7

CUSTOMER American Warrior Ltd WELL NO. LEASE Watson JOB TYPE Port Collar TICKET NO. 16087

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							anlac set up Tks
								2 3/8" x 5 1/2" P.C. @ 1238'
								KGC SEP 09 2009 CONFIDENTIAL
	0850						1000	locate P.C. Test Csg
	0900	4	5			300		Open P.C. Take injection rate / check for blow
	0905	4	0			400		start Cement
	0920	4	60			600		circ. Cement / raise weight
	0921	4	65/0			600		End Cement / Start Displacement
	0923		6					Cement Displaced
								Close P.C.
	0925						1000	Test Csg.
	0935	3	0					Run 5jts
	0940		15				150	Reverse out Hole clean
								125sks SMD circ 15sks to pit

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Thank you KGC WICHITA  
Nick, Josh F. + Dave K.



CHARGE TO:  
AMSTERDAM WARRIOR INC  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET  
 No. 16070

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PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>NESS CITY KS</u>	WELL/PROJECT NO. <u>1A-23</u>	LEASE <u>WATSON</u>	COUNTY/PARISH <u>NESS</u>	STATE <u>KS</u>	CITY	DATE <u>6-29-09</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>DISCOVERY DRIG # 3</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3.	WELL TYPE <u>OTL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>5/2" LONGSTRING</u>	WELL PERMIT NO.	WELL LOCATION <u>NESS CITY KS - 13W, 2W, 1/2 E, S</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
575		1			MILEAGE # 114	15	MC		5.00	75.00
578		1			PUMP CHARGE	1	JOB	11479 FT	11.00	11479.00
221		1			LITQUIN KCL	2	GAL		25.00	50.00
281		1			MUDTUSH	500	GAL		1.00	500.00
402		1			CENTRALIZERS	7	EA	5/2"	55.00	385.00
403		1			CEMENT BASKETS	3	EA		180.00	540.00
404	KCC WICHITA SEP 03 2009 RECEIVED	1			POOT COLLAR TOPJOB # 67	1	EA	1743 FT	1900.00	1900.00
406		1			LATCH DOWN PLUG - RAFFLE	1	EA		225.00	225.00
407		1			INSDT FLOAT SHOE W/AUTO FILL	1	EA		275.00	275.00
419		1			ROTATING HEAD RENTAL	1	JOB		150.00	150.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]  
 DATE SIGNED 6-29-09 TIME SIGNED 1100  A.M.  P.M.

**REMIT PAYMENT TO:**  
**SWIFT SERVICES, INC.**  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	
	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				"1	5500.00
	WE UNDERSTOOD AND MET YOUR NEEDS?					
	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				"2	3414.50
	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	
	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	
	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: Wayne Wilson APPROVAL: \_\_\_\_\_

Thank You!



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 16070

CUSTOMER AMERICAN WARDING INC. WELL WATSON 1A-23 DATE 6-29-09 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			UM	UM				
325		1				STANDARD CEMENT EA-2	175	SBS			11.00	1925.00
276		1				FLOCELE	88	LBS			1.50	132.00
283		1				SALT	900	LBS			.15	135.00
284		1				CALCAL	8	SBS	800	LBS	30.00	240.00
285		1				CFR-1	100	LBS			4.00	400.00
290		1				D-ADR	2	GAL			35.00	70.00
581		1				SERVICE CHARGE						
582		1				MILEAGE CHARGE						
						TOTAL WEIGHT						
						LOADED MILES						
						CUBIC FEET	175				1.50	262.50
						TON MILES	137.54				250.00	250.00

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CONTINUATION TOTAL 3414.50

**JOB LOG**

**SWIFT Services, Inc.**

DATE **6-29-09** PAGE NO. **1**

CUSTOMER **AMERICAN WATER INC** WELL NO. **1A-23** LEASE **WATSON** JOB TYPE **5 1/2" LONGSTRING** TICKET NO. **16070**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							ON LOCATION
	1300							START 5 1/2" CASING 2nd WELL
								TD - 4480 SET = 4479
								TP - 4480 5 1/2" 15.5
								SI - 21'
								CENTERS - 1, 3, 5, 7, 9, 11, 66
								CMT BSPTS - 1, 5, 67
								PORT COLAR = 1743' TOP JT = 67
	1435							DROP BALL - CIRCULATE ROTATE
	1520	6	12		✓		500	PUMP 500 GAL MUD FLUSH
	1522	6	20		✓		500	PUMP 20 BBLs KCL - FLUSH
	1530		7					PLUG RH 3066 (NO MUDSEALER)
	1535	5	35		✓		350	MAX CEMENT 145 SPS EA-2 = 15.5 PPG
	1543							WASH OUT PUMP - LEAKS
	1544							RELEASE CATCH DOWN PLUG
	1545	7	0		✓			DISPLACE PLUG
		7	100		✓		700	
	1600	6 1/2	106.1				1500	PLUG DOWN - ASE UP UTILIZED PLUG
	1602						OK	RELEASE PST - HELD
								WASH TRUCK
	1700							JOB COMPLETE

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**KCC WICHITA**

THANK YOU  
 WAGG, ROBT, DAVE







# CEMENTING LOG KCC STAGE NO.

Date 6-22-09 District Oakley Ticket No. 043629  
 Company American Warrior Rig Discovery 3  
 Lease Watson Well No. 1-23  
 County Ness State KS  
 Location Realty 23-15-26 Field \_\_\_\_\_  
Block 2E 2N 14E S170

CEMENT DATA: \_\_\_\_\_  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ PPG \_\_\_\_\_  
 Density \_\_\_\_\_

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CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 5 5/8 Type \_\_\_\_\_ Weight 24 Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type Conn Block  
290 gal Excess \_\_\_\_\_  
 Amt. 150 Sks Yield 1.34 ft<sup>3</sup>/sk Density 15.2 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Casing Depths: Top KB Bottom 221'

Pump Trucks Used 431 Kelly  
 Bulk Equip. 397 Darrin

Drill Pipe: Size 4 1/2 Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 13 1/4 T.D. 221' ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.0637 Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Water Amt. 13.12 Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Bob Jacob

CEMENTER Andrew

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
5:00						On location
6:00						Rig up safety meeting
				23	3.5	start cement
				13	3.5	cement mixed start disp
	200		360		4.5	Displacement in stop pump
						cement circulate
8:30						Job complete

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