

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM

Form ACO-1

September 1999

Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5447  
Name: OXY USA, Inc.  
Address: P.O. Box 2528  
City/State/Zip: Liberal, KS 67905  
Purchaser: Pending  
Operator Contact Person: Jerry Hunt  
Phone: (316) 629-4200  
Contractor: Name: DUKE DRILLING INC  
License: 5929  
Wellsite Geologist: TOM HEFLIN  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl, Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: NOV 16 2000  
Well Name: CONFIDENTIAL

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. \_\_\_\_\_  
 08-22-00  08-31-00  10-01-00  
Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - 175-218070000  
County: SEWARD  
- SE - NW - NW Sec 28 Twp. 32 S. R. 34W  
758 feet from S (N) (circle one) Line of Section  
1076 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Base Name: HITCH S Well #: 3  
Field Name: UN - NAMED  
Producing Formation: CHESTER  
Elevation: Ground: 2927 Kelly Bushing: 2939  
Total Depth: 6400 Plug Back Total Depth: 6301  
Amount of Surface Pipe Set and Cemented at 1740 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3139  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT 1 DW 3-18-02  
*(Data must be collected from the Reserve Pit)*  
Chloride content 1000 ppm Fluid volume 1650 bbls  
Dewatering method used EVAPORATION  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. RELEASED S. R.  East  West  
County: \_\_\_\_\_ Docket No.: NOV 16 2000

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas  
NOV 21 2000

KCC

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 6702, 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: Capital Project Date 11-16-00  
Subscribed and sworn o before me this 16th day of November  
20 00  
Notary Public: Anita Peterson  
Date Commission Expires: Oct. 1, 2001

KCC Office Use Only  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

NOTARY PUBLIC, State of Kansas  
ANITA PETERSON  
My Appt. Exp. Oct. 1, 2001

Side Two

Operator Name: JALISCO OXY USA, Inc. Lease Name: HITCH S Well #: 3  
 Sec. 28 Twp. 32 S. R. 34W  East  West County: SEWARD

**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 <i>(Attach Additional Sheets)</i>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	HEEBNER	4202	-1263
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TORONTO	4210	-1271
List All E. Logs Run:	GEO. REPORT    INDUCTION LOG	LANSING	4322	-1383
	SONIC LOG      MICROLOG LOG    NEUTRON LOG	MARMATON	5004	-2065
		MORROW	5610	-2671

CASING RECORD <input type="checkbox"/> New <input checked="" 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
Conductor					C		
Surface	12 1/4	8 5/8	24	1740	C	450	3% CC 1/2# FLOCELE
Production	7 7/8	5 1/2	15.50	6400	C	225	10% SALT 5# GILSONITE 4# CAL SEAL .5% HALAD322

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	2490-3139	C	70	2% CC 1/4# FLOCELE
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
4	5782 - 5788	5792 - 5798	1000 GALS 7 1/2% FE ACID	Depth
			19025 GALS 20# DELTA	
			31399# 20/40 SAND	

TUBING RECORD	Size 2 3/8	Set At 5867	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil BBLs 8.35	Gas Mcf TSTM	Water Bbls 4	Gas-Oil Ratio	Gravity
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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) \_\_\_\_\_

## JOB SUMMARY

ORDER NO. 7006

TICKET #	TICKET DATE
88193 ORIGINAL	8/18/00
BDA / STATE	COUNTY
KS	SEWARD
PSL DEPARTMENT	
ZONAL ISOLATION	
CUSTOMER REP / PHONE	
DAVE RICE	629-0433
API / UWI #	KCC
JOB PURPOSE CODE	
205	NOV 16 2000

REGION North America

MBU ID / EMP # MCL 70109 105848

LOCATION LIBERAL KS

TICKET AMOUNT \$ 3245.08

WELL LOCATION N+ W LIBERAL

LEASE / WELL # HITCH 5-3

NW/COUNTRY mid CONTINENT

EMPLOYEE NAME JOHN Woodrow

COMPANY Oxy U.S.A.

WELL TYPE oi

DEPARTMENT CEMENT

SEC / JWP / RNG 28-325-346

**CONFIDENTIAL**

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
J. Woodrow 105848	4						
A. Zimmerman 202875	4						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420621 p/g	25						
59219/78289	25						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_

Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_

Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_

Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
TIME	9:18:00	9:18:00	9:18:00	9:18:00
	1400	1500	1708	1915

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	4	155	5 1/2			
Liner						
Liner						
Tbg/D.P.	4	47	2 3/8			
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED \_\_\_\_\_ **HYDRAULIC HORSEPOWER** Avail. \_\_\_\_\_ Used \_\_\_\_\_

TREATED \_\_\_\_\_ **AVERAGE RATES IN BPM** Disp. \_\_\_\_\_ Overall \_\_\_\_\_

FEET \_\_\_\_\_ **CEMENT LEFT IN PIPE** Reason \_\_\_\_\_

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	70	pi midcont	A	2% CC 1/4" Plastic	3.22	111

Circulating _____	Displacement _____	Preflush: Gal - (BBI) 20	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp: BBI - Gal
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - (BBI) 40	
		Total Volume Gal - BBI	



CONFIDENTIAL

ORIGINAL



# Work Order Contract

Halliburton Energy Services, Inc.  
Houston Texas 77056

Order Number **881933**

70012 SAP

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING: **KCC**

Well No. <b>S-3</b>	Farm or Lease <b>HITCH</b>	County <b>SEWARD</b>	State <b>KS</b>	Well Permit #
Customer <b>Oxy U.S.A.</b>	Well Owner <b>SAME</b>	Job Purpose <b>205</b>	NOV 16 2000	

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

CONFIDENTIAL

- A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").
- B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorneys fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.
- C. RELEASE AND INDEMNITY - Customer agrees to RELEASE Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to DEFEND, INDEMNIFY, AND HOLD Halliburton Group HARMLESS from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from:

loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its/their officers, directors, employees, consultants and agents. Customer's RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insureds on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. **THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.** Halliburton's sole liability and Customer's exclusive remedy in any case of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, **HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP.** Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and **CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION**, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION - Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 4100 Clinton Drive, Houston, TX, 77018.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED: David E. Rice DATE: 9/18/00 TIME: 1:500 SED A.M./P.M. (P.M.)  
CUSTOMER Authorized Signatory

Customer Acceptance of Materials and Services 18 2100

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER \_\_\_\_\_

David E. Rice  
CUSTOMER Authorized Signatory



# JOB SUMMARY

TICKET # **82020 ORIGINAL** TICKET DATE **11-13-00**  
 ORDER NO. 70005 BDA / STATE **KS** COUNTY **SPAWNCOC**  
 EMPLOYEE NAME **TYLE DAVID** PSL DEPARTMENT **LE**  
 CUSTOMER REP / PHONE **CEL WY/18** NOV 16 2000  
 WELL TYPE **01** API / UWI # **15 175-21107** **CONFIDENTIAL**  
 DEPARTMENT **Zi** JOB PURPOSE CODE **010**  
 SEC / TWP / RNG **28 32-34**

REGION **North America** NWA/COUNTRY **USA**  
 MBU ID / EMP # **MLC150103 106304**  
 LOCATION **Liberal KS**  
 WELL LOCATION **6476 W. Liberal**  
 LEASE / WELL # **Hitch 5-3**

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
<b>T. DAVID 106304</b>							
<b>S. KAYE 106099</b>							
<b>R. P. JOHNSON 106154</b>							
<b>J. STURGEY</b>							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>54218-78202</b>	<b>25</b>						
<b>54028-6610</b>	<b>25</b>						
<b>52938-6614</b>	<b>25</b>						

Form Name: \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<b>8-22-00</b>	<b>8-22-00</b>	<b>8-23-00</b>	<b>8-23-00</b>
TIME	<b>1200</b>	<b>0200</b>	<b>0845</b>	<b>1000</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Gellar <b>INCH 8 1/2</b>	<b>1</b>	<b>M</b>
Float Shoe <b>11</b>	<b>1</b>	
Guide Shoe <b>KOY</b>	<b>1</b>	<b>O</b>
Centralizers <b>54</b>	<b>5</b>	
Bottom Plug		<b>W</b>
Top Plug <b>5W</b>	<b>1</b>	
Head <b>KC</b>	<b>1</b>	<b>C</b>
Backer <b>C14W</b>	<b>1</b>	
Other <b>BUSKAT</b>	<b>1</b>	<b>O</b>

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>24</b>	<b>8 1/2</b>	<b>KB</b>	<b>1740</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal	%
Acid Type	Gal	%
Surfactant	Gal	In
NE Agent	Gal	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<b>CMX</b> <b>8 1/2</b> <b>SP</b>
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED \_\_\_\_\_ **HYDRAULIC HORSEPOWER** \_\_\_\_\_  
 Avail. \_\_\_\_\_ Used \_\_\_\_\_  
 TREATED \_\_\_\_\_ **AVERAGE RATES IN BPM** \_\_\_\_\_  
 Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
 FEET **84** **CEMENT LEFT IN PIPE** \_\_\_\_\_  
 Reason **SJT**

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
<b>1</b>	<b>350</b>	<b>PTMCL</b>	<b>B.</b>	<b>37% CC, 1/2" F100CLP,</b>	<b>3.22</b>	<b>11.1</b>
<b>1</b>	<b>100</b>	<b>PT</b>	<b>B.</b>	<b>27% CC, 1/4" F100CLP</b>	<b>1.52</b>	<b>14.8</b>

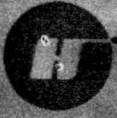
Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal - BBI \_\_\_\_\_ Type \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI \_\_\_\_\_ Pad: BBI - Gal \_\_\_\_\_  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI \_\_\_\_\_ Disp. (BBI) Gal **105.3**  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - (BBI) **201 CC.** **23.5 F.L.**  
 Total Volume Gal - BBI \_\_\_\_\_

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
**THE INFORMATION STATED HEREIN IS CORRECT** CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

CONFIDENTIAL

KCC

ORIGINAL



HALLIBURTON

Work Order Contract

NOV 16 2000

Halliburton Energy Services, Inc. Houston Texas 77056

Order Number

820208

70012 SAP

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. 53	Farm or Lease H. K. H.	County Jaward	State TX	Well Permit # 15-175-21007
Customer Oxy	Well Owner Sumi		Job Purpose OIO	

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorneys fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. RELEASE AND INDEMNITY - Customer agrees to RELEASE Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to DEFEND, INDEMNIFY, AND HOLD Halliburton Group HARMLESS from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from:

loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its/their officers, directors, employees, consultants and agents. Customer's RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insureds on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the amount of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION - Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 4100 Clinton Drive, Houston, TX. 77020.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED: [Signature] CUSTOMER Authorized Signatory DATE: 1-23-00 TIME: 0600 P.M.

Customer Acceptance of Materials and Services

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER [Signature] CUSTOMER Authorized Signatory

RELEASED MAR 18 2002

White-Office Canary-Field Office Pink-Customer FROM CONFIDENTIAL Green-Retain

REGION North America	NW/COUNTRY	BDA / STATE	COUNTY KCC
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	NOV 16 2000
TICKET AMOUNT	WELL TYPE	API / UWI #	<b>CONFIDENTIAL</b>
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNG		

**CONFIDENTIAL**

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1200							Called out for job.
	0200							on loc. and dry.
	0430							Start pump
	0600							out of hole with pump run up cases.
	0630							Start 8 1/2 CSY = F.I.E.
	0716							CSY on 180H hook up 8 1/2 p.l. = 12150H
0727	0726							lock in with y
0744	0726							Thru circ hook from 10 p.t
	0845							PS. last flow
0852	6.5	201		✓		170		pump 3505, PT MC AT 11.5"
0926	6.5	27.5		✓		150		pump 1005, PT AT 14.5"
0931	0			✓		0		Shut down drop plug
0932	6.0	105		✓		80		pump disp
0947	6.0	105		✓		250		80 lbs in cont to pit ✓
0951	2.0	105		✓		300		stabilizing sin rate.
0953	2.0	105		✓		500		Load plug
0954		105		✓		800		Repeat float - HELD
0955		105		✓		0		job over
								Thank for calling HKS
								your well crew

RELEASED

MAR 18 2002

FROM CONFIDENTIAL



ORDER NO. 70006

TICKET # **845006** ORIGINAL  
 TICKET DATE **9-1-00**  
 BDA / STATE **KS** COUNTY **SEWARD**  
 PSL DEPARTMENT **ZONAL ISOLATION**  
 CUSTOMER REP / PHONE **GAL WYLIE 629-04300**  
 API / UWI #  
 DEPARTMENT **CEMENT** JOB PURPOSE CODE **035**  
 NOV 16 2000  
**CONFIDENTIAL**

REGION <b>North America</b>	NWA/COUNTRY <b>MID CONTINENT</b>	BDA / STATE <b>KS</b>	COUNTY <b>SEWARD</b>
MBU ID / EMP # <b>MCL T0104 105848</b>	EMPLOYEE NAME <b>JOHN WOODROW</b>	PSL DEPARTMENT <b>ZONAL ISOLATION</b>	
LOCATION <b>LIBERAL KS</b>	COMPANY <b>Oxy U.S.A.</b>	CUSTOMER REP / PHONE <b>GAL WYLIE 629-04300</b>	
TICKET AMOUNT <b>8346.85</b>	WELL TYPE <b>01</b>	API / UWI #	
WELL LOCATION <b>N.1W LIBERAL KS</b>	DEPARTMENT <b>CEMENT</b>	JOB PURPOSE CODE <b>035</b>	
LEASE / WELL # <b>HITCH # S-3</b>	SEC / TWP / RNG <b>28-32S-34W</b>		

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
<b>J. WOODROW 105848</b>							
<b>A. ZIMMERMAN 202875</b>							
<b>J. ELLEXSON 212435</b>							
<b>C. GARZA 194445</b>							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>420621 P/U</b>	<b>25</b>						
<b>54219/78299</b>	<b>25</b>						
<b>52926/6612</b>							

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Gellar <b>INSERT 5 1/2</b>	<b>1</b>	<b>H</b>
Float Shoe		
Guide Shoe <b>REG 5 1/2</b>	<b>1</b>	<b>O</b>
Centralizers <b>REG + LIM 5 1/2</b>		
Bottom Plug		<b>W</b>
Top Plug <b>5 W 5 1/2</b>		
Head <b>PK</b>		<b>C</b>
Packer		
Other <b>SCREWERS 5 1/2</b>	<b>10</b>	<b>O</b>

### MATERIALS

Treat Fluid _____	Density _____	Lb/Gal
Disp. Fluid _____	Density _____	Lb/Gal
Prop. Type _____	Size _____	Lb.
Acid Type _____	Gal.	%
Surfactant _____	Gal.	In
NE Agent _____	Gal.	In
Fluid Loss _____	Gal/Lb	In
Gelling Agent _____	Gal/Lb	In
Fric. Red. _____	Gal/Lb	In
Breaker _____	Gal/Lb	In
Blocking Agent _____	Gal/Lb	
Perfpac Balls _____	Qty.	
Other _____		
Other _____		
Other _____		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<b>8-31-00</b>	<b>8-31-00</b>	<b>9-1-00</b>	<b>9-1-00</b>
TIME	<b>2000</b>	<b>2300</b>	<b>1610</b>	<b>1030</b>

### WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>U</b>	<b>15.5</b>	<b>5 1/2</b>	<b>KB</b>	<b>6400</b>	
Liner						
Liner						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<b>SEE JOB LOG</b>
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp.	Overall
FEET <b>86.71</b>	CEMENT LEFT IN PIPE Reason	<b>SHOE JOINT</b>

### CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	RELEASES	YIELD	LBS/GAL
	<b>250</b>	<b>PREM 5750 #2</b>	<b>B</b>	<b>10% SALT 4 GILSONITE 4 GAL SEAL 2 1/2 GAL WATER 320</b>		<b>1.49</b>	<b>13.85</b>

MAR 18 2002

Circulating _____	Displacement _____	Preflush: Gal - BBI	
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp: BBI - Gal
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI	
		Total Volume Gal - BBI	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

CONFIDENTIAL

ORIGINAL



HALLIBURTON

KCC

Work Order Contract

CONFIDENTIAL  
Order Number

845006

Halliburton Energy Services, Inc.  
Houston Texas 77056

70012 SAP

CONFIDENTIAL

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. S-3	Farm or Lease HITCH	County SEWARD	State KS	Well Permit #
Customer Oxy U.S.A	Well Owner SAME	Job Purpose 035		

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

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loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

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I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 4100 Clinton Drive, Houston, TX. 77020.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED: [Signature] DATE: 9-1-00 TIME: 0100 AM/PM. **RELEASED**

Customer Acceptance of Materials and Services

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER \_\_\_\_\_

[Signature] CUSTOMER Authorized Signatory **MAR 18 2002**

White-Office

Canary-Field Office

Pink-Customer

FROM CONFIDENTIAL  
Green-Retain

## JOB LOG

ORDER NO. 70006

TICKET #	842 ORIGINAL	TICKET DATE	11/1/00
BDA / STATE	KS	COUNTY	SEWARD
PSL DEPARTMENT	ZONAL T. SECTION		
CUSTOMER REP / PHONE			
API / UWI #	KCC		
JOB PURPOSE CODE	035	NOV 16 2000	

REGION	North America	NWA/COUNTRY	MID CONTINENT
MBU ID / EMP #	MCL T0104 173398	EMPLOYEE NAME	John Woodrow
LOCATION	SEWARD KS	COMPANY	01
TICKET AMOUNT	8046.00	WELL TYPE	01
WELL LOCATION	10040000 KS	DEPARTMENT	GEOMENT
LEASE / WELL #	HITCH # 83	SEC / TWP / RNG	25-32-10

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
J. Woodrow 173398							
B. LINDNER 225172							
T. CLARKSON 32423							
A. SHERZ							

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0100							JOB READY
	0100							CALLED OUT FOR JOB
	0230							DUMP TRUCK ON LOCATION - HAVE PRE JOB SITE ASSESSMENT - POT EQUIPMENT RIG LAYING DOWN DRILL PIPE D. PLAYED DOWN LAY DOWN P-HI M-H
	0330							START RUNNING 5/8 CSG + FLOAT EQUIPMENT PLACE PORT COLLAR ON # 7 ST 3161
	0535							FINISH RUNNING CASING TO BOTTOM 6004.5 HOOK UP 5/8 P/C + CIRCULATING IRON START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING - HOOK UP TO PUMP TRUCK
	0715							
	0730							
	0742							JOB PROCEDURE
	0744	5.0	10			2000		TEST PUMP + LINES
	0744	5.0	5			1170		PUMP 10 BBL 10% C.C WATER
	0748	5.0	5			150		PUMP 5 BBL FRESH WATER SPACER
	0750	5.0	10			135		PUMP 10 BBL SUPER FLUSH
	0753	6.0	5			125		PUMP 5 BBL FRESH WATER SPACER
								START MIXING 225 SKS CMT AT 13.8 GPH
	1007							THROUGH MIXING CEMENT - SHUT DOWN WASH OUT PUMP + LINES RELEASE PLUG
	1010	6.0				4100		START DISPLACING
						450		MAX LIFT PRESSURE BEFORE LANDING PLUG
	1030		145.0			1300		PLUG DOWN RELEASE FLOAT
								Float Held
								PLUG RELEASED WITH 25 SKS
								THANK YOU
								HALLIBURTON RELEASED
								MAR 18 2002