

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999

**CONFIDENTIAL**

**WELL COMPLETION FORM**

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 **KCC**  
 Contractor: Name: CHEYENNE DRILLING INC.  
 License: 5382 **FFB 07 2001**  
 Wellsite Geologist: MARVIN HARVEY  
 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: \_\_\_\_\_

API No. 15 - 129-216160000  
 County: MORTON  
NE - SE - SW Sec 22 Two, 34 S. R. 41W  
1261 feet from (S) N (circle one) Line of Section  
2360 feet from E (W) (circle one) Line of Section  
 Footages Calculated from Nearest outside Section Corner:  
 (circle one) NE SE NW (SW)  
 Lease Name: FARRIS A Well #: 1  
 Field Name: \_\_\_\_\_  
 Producing Formation: WABAUNSEE  
 Elevation: Ground: 3428 Kelly Bushing: 3441  
 Total Depth: 5900 Plug Back Total Depth: 3192  
 Amount of Surface Pipe Set and Cemented at 1664 feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set 3808  
 If Alternate II completion, cement circulated from \_\_\_\_\_  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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. \_\_\_\_\_  
10-27-00 11-07-00 12-06-00  
 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan **ACT 1 Greenwood**  
 (Data must be collected from the Reserve Pit)  
 Chloride content 900 ppm Fluid volume 1650 bbls  
 Dewatering method used EVAPORATION  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: **RELEASED**  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp, **MAR 18 2002** East  West   
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_  
**FROM CONFIDENTIAL**

RECEIVED  
KANSAS CORPORATION COMMISSION  
FEB - 9 2001

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: 02-07-01  
 Subscribed and sworn o before me this 7<sup>th</sup> day of February  
 20 01  
 Notary Public: Anita Peterson  
 Date Commission Expires: Oct. 1, 2001

**KCC Office Use Only**

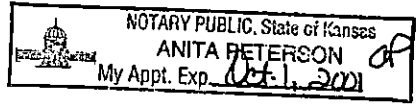
Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

**KCC**



X

Operator Name: OXY USA, Inc. Lease Name: FARRIS A Well #: 1  
 Sec. 22 Twp. 34 S. R. 41W  East  West County: MORTON

**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>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input 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	3596 -153
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	LANSING	3676 -235
List All E. Logs Run:	GEO. REPORT	MARMATON	4309 -868
NEUTRON LOG	GAMMA RAY LOG	CHEROKEE	4604 -1163
INDUCTION LOG		MORROW	5016 -1575
		CHESTER	5517 -2076
		PLEASE SEE THIRD PAGE	

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
Conductor					C		
Surface	12 1/4	8 5/8	24	1664	C	620	2% CC 1/4# FLOCELE
Production	7 7/8	5 1/2	15.50	5713	C	340	10% SALT 5# CALSEAL 5# GILSONITE .5% HALAD-322

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ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	Top Bottom			
<input type="checkbox"/> Protect Casing	2950-3799	C	260	10% SALT 5# CAL SEAL 5# GILSONIE .5% HALAD -322
<input type="checkbox"/> Plug Back TD				
<input checked="" 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
	PLEASE SEE THIRD PAGE FOR PERFORATION RECORDS.		

TUBING RECORD	Size 2 3/8	Set At 3044	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	---------------	----------------	-----------	--

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 0	Gas Mcf 145	Water BbLS 6	Gas-Oil Ratio	Gravity
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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) \_\_\_\_\_

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ORIGINAL

FARRIS A #1 THIRD PAGE

LOG	FORAMTION (TOP) DEPTH AND DATUM	
STE. GEN.	5684	-2243
ST. LOUIS	5746	-2305

KCC

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PERFORATION RECORD

PREF. MORROW 5507' - 5516', 5476' - 5484', 5450' - 5468', 4 SPF ACIDIZED 5507' - 5516'. WITH 1000 GALS 7 1/2% FE ACID AND 36 BALL SEALERS ACIDIZED 5450' - 5468' AND 5476' - 5484' WITH 2000 GALS 7 1/2% FE ACID AND 104 BALL SEALERS SET CIBP @ 5325'. DUMPED 2 SXS.

CMT ON CIBP.

PERF CHEROKEE 4740' - 4752', 4 SPF.

ACID WITH 3000 GALS 7 1/2% HCL ACID AND 75 BALL SEALERS

SET CIBP @ 4300' - DMP 2 SXS CMT ON CIBP.

PERF TOPEKA 3220' - 3230' AND 3269' - 3286' WITH 2 SPF.

ACID WITH 2000 GALS 17% HCL ACID AND 108 BALL SEALERS.

SET CIBP @ 3192' DMP 2 SXS CMT ON CIBP.

PERF WABAUNSEE 2970' - 2973', 2999' - 3001', 3003' - 3005', AND 3010' - 3013' WITH 2 SPF

ACID WITH 1000 GALS 17% HCL AND 40 BALL SEALERS.

RELEASED

MAR 18 2002

FROM CONFIDENTIAL



**CONFIDENTIAL**  
JOB SUMMARY

TICKET # 976227  
TICKET DATE NOV. 8, 2001  
ORDER NO. 70006

REGION North America	NW/COUNTRY MID CON	SDA / STATE KS ORIGINAL	COUNTY WAGON
MBU ID / EMP # MCH 0102 188624	EMPLOYEE NAME JE JACKSON	PSL DEPARTMENT 2	
LOCATION LIBERAL	COMPANY OXY USA	CUSTOMER REP / PHONE DAL WYLE 625-0433	
TICKET AMOUNT 20,552.68	WELL TYPE OIL	API / UWI #	
WELL LOCATION WILBERTON	DEPARTMENT 1003	JOB PURPOSE CODE 035	
LEASE / WELL # <del>LAKEES A-1-D</del>	SEC / TWP / RNG 22-345-41W		

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. JACKSON 188624			
J. CLEMENS 198516			
J. LOPEZ 198514			

FEB 07 2001  
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HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T
Plu 421369	104						
54218-78202	104						
52947-75819	21						

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

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETE
	NOV. 8- 0300	NOV 8 0630	NOV 8 1435	NOV 8 2045

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe 1FS 5/2	1	HES
Guide Shoe		
Centralizers 28	28	HES
Bottom Plug SPRING 75		HES
Top Plug LIMIT CLAMP	1	HES
Head PC	1	HES
Packer DV TOOL	1	HES
Other PLUG SET	1	HES

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX A
Casing	N	15.5	5 1/2	0	5713	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHO
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
DATE	HOURS	DATE	HOURS	
11/8	14.5	11/8	4	
<b>TOTAL</b>	<b>14.5</b>	<b>TOTAL</b>	<b>4</b>	

**HYDRAULIC HORSEPOWER**

ORDERED Avail. \_\_\_\_\_ Used \_\_\_\_\_

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

FEET 44.31 CEMENT LEFT IN PIPE Reason **ACE JOINT**

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LI
1	390	5050P02H	B	10% SALT - #5 SEAL - 5% HALAD - 322	1.50	
2	285	5050P02H	B	10% SALT - #5 SEAL - 5% HALAD - 322	1.50	

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: **FROM CONFIDENTIAL** Type **5 FLUSH**

Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI Pad: BBI - Gal

Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI 15 90/15 2nd 90/5

Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Sturr 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 *[Signature]*

TICKET # **976227**      TICKET # **NOV 07 2001**

BDA / STATE: **KS**      COUNTY: **MORISON**

PSL DEPARTMENT: **ORIGINAL**

CUSTOMER REP / PHONE: **MAL WYLE 627-0433**

API / UWI # **J**      KRC

JOB PURPOSE CODE: **035**

FEB 07 2001

REGION: **North America**      NWA/COUNTRY: **MID CON**

MBU ID / EMP #: **ML0102 188624**      EMPLOYEE NAME: **Joe Jackson**

LOCATION: **LIBERAL**      COMPANY: **OXY USA**

TICKET AMOUNT: **20552.68**      WELL TYPE: **OIL**

WELL LOCATION: **ELHART WILBERTON**      DEPARTMENT: **1003**

LEASE / WELL #: **FARRIS A#1**      SEC / TWP / RNG: **22-34S-41W**

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. JACKSON 188624			
J. CLEMENS 198516			
J. LOPEZ 198519			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0630							ON LOCATION - RIG LAYING DOWN D.C.
	1215							ALL CASING ATTACHMENTS & FLOAT EQUIP ON.
	1435							D.V. TOOL ON #43
	1435					700		TEST LINES
	1440		10					PUMP - 10 WATER
			5					WATER
			10					SUPERFLUSH
			5					WATER
	1455							START MIXING CEMENT
	1515		91			300		FINISH MIXING CEMENT
	1520							DROP START OFF PLUG
	1523							DISPLACE
			45			350		WATER
			90			350		MUD
	1546					850		BLIND PLUG
						1300		PRESSURE UP TO - BLEED OFF NO FLOW BACK
	1555							DROP OPENING TOOL
	1615					1200		D.V. TOOL PORTS OPEN - CIR
	1635							RIG CIRCULATING
	1600							BEGIN JAIL STAGE
								DISPLACE 10 BBL 500 WATER
								5 " WATER
								10 " SUPERFLUSH
								5 " WATER
	1710	6	300					START MIXING CEMENT
	2030							FINISH MIXING CEMENT
	2035							DROP TOP PLUG
	2040		700-90			200		BLIND PLUG
								PSI UP TO 2000 - NO FLOW BACK

RELEASED

MAR 18 2002

FROM CONFIDENTIAL

CONFIDENTIAL

WORK ORDER CONTRACT

ORIGINAL

JOB ID: 97627

FORM 2219 (A)

TO: HALLBURTON ENERGY SERVICES: YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN 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. AFF1	FARM OR LEASE FARRIS	COUNTY MORTON	STATE KS	WELL PERMIT NO. 97627
CUSTOMER OXIA USA		WELL OWNER SAME		JOB PURPOSE 035

Do  do not require IPC (Instrument Protection)  Not offered

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED.

KCC

For good and valuable consideration received, Customer (as identified above) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

FEB 07 2001

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.

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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, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLBURTON 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. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLBURTON 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 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 HALLBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLBURTON GROUP" IS DEFINED AS HALLBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, 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 HALLBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton 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. Customer shall be responsible for damage to or loss of Halliburton 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 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 one year from 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 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, HALLBURTON 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 HALLBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. 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. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. 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, 5151 San Felipe, Houston, Texas 77056.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER OR AS CUSTOMER'S AGENT.

CAL WYLIE

X

*[Signature]*

NOV 8 2001

09:00

AM  PM

NAME (PRINTED)

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE

DATE

TIME

Customer Acceptance of Materials and Services

SIGNED

The Customer hereby acknowledges receipt of the materials and services described on the attached field ticket which carries Job ID number indicated above.

X

*[Signature]*





CONFIDENTIAL  
HALLIBURTON

# Work Order Contract

ORIGINAL

Halliburton Energy Services, Inc.  
Houston Texas 77056

Order Number

252412

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. A-1	Farm or Lease FARRIS	County MERTON	State KS	Well Permit #
Customer Oxy USA	Well Owner SAMP	Job Purpose	010 FEB 07 2001	

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 balances 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, and 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. GOVERNOR 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: CUSTOMER Authorized Signatory

DATE: 10-28-00 TIME: 2:00 A.M./P.M. (P.M.)

Customer Acceptance of Materials and Services

RELEASED

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

MAR 18 2002 CUSTOMER Authorized Signatory

White-Office

Canary-Field Office

Pink-Customer

FROM CONFIDENTIAL



REGION North America	NWA/COUNTRY USA	BDA / STATE TX	COUNTY HARRIS
MBU ID / EMP # 1000000000000000	EMPLOYEE NAME JERRY WOOD	PSL DEPARTMENT TRAINING	
LOCATION WARRIOR	COMPANY 01	CUSTOMER REP / PHONE CAL WYLLIE	KCC
TICKET AMOUNT 1000.00	WELL TYPE 01	API / LWI #	
WELL LOCATION WARRIOR	DEPARTMENT 01	JOB PURPOSE CODE 010	FEB 07 2001
LEASE / WELL # PARRIS A71	SEC / TWP / RNG 23-25-11W		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. WOOD	1						

CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1900							JOB READY NOW
	1900							CALLED OUT FOR JOB
	2130							PUMP TRUCK + BULK TRUCKS ON LOCATION
								HAVE PRE JOB SITE ASSESSMENT - GET PULLED IN WITH TRACK TRACTOR
								HAVE PRE JOB SAFETY MEETING
	2245							START RUNNING 8 1/2" CSG + FLOAT EQUIPMENT CASING ON BOTTOM 1666 FT
								HOOK UP 8 1/2" P/C + CIRCULATING IRON
								START CIRCULATING WITH RIS PUMP
								THROUGH CIRCULATING - HOOK UP TO PUMP TRUCK
								<u>JOB PROCEDURE</u>
	0026					1000		TEST PUMP + LINES
	0051		205			200		START MIXING 550 SKS LEAD CMT AT 12.3" P/L
	0111		35			130		START MIXING 150 SKS TAIL CMT AT 148" P/L
	0028							THROUGH MIXING SHUT DOWN
	0121	60						RELEASE PLUG
								START DISPLACING
						500		HAVE 20 BBLs OUT - HAVE CMT RETURNS TO SURFACE
								MAX LIFT PRESSURE BEFORE LANDING PLUG
	0200		104			200		PLUG DOWN
								RELEASE FLOAT
								FLOAT HELD
								(CIRCULATED 20 BBLs 213 SKS TO SURFACE)
								THANK YOU FOR CALLING HALLIBURTON!
								WOOD / CREW
								RELEASE
								MAR 18 2002
								FROM CONFIDENTIAL

OPERATOR : Oxy USA  
 WELL NAME: Farris A#1  
 LOCATION : 22-34s-41w Morton co KS  
 INTERVAL : 5144.00 To 5169.00 ft

DATE 11-04-00  
 KB 0.00 ft  
 GR 0.00 ft  
 TD 5266.00 ft

TICKET NO: 13140 DST #1  
 FORMATION: Morrow  
 TEST TYPE: CONVENTIONALSTRADDLE

**RECORDER DATA**

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11019	11019	3026	13277		PF Fr. 1733 to 1803 hr
SI 60 Range(Psi )	4500.0	4500.0	4995.0	4125.0	0.0	IS Fr. 1803 to 1903 hr
SF 30 Clock(hrs)	18hr	18hr	elect	12hr		SF Fr. 1903 to 1933 hr
FS 60 Depth(ft )	5163.0	5163.0	5148.0	5266.0	0.0	FS Fr. 1933 to 2033 hr

	Field	1	2	3	4	
A. Init Hydro	2556.0	0.0	2437.0	2391.0	0.0	T STARTED 1500 hr
B. First Flow	56.0	0.0	24.0	0.0	0.0	T ON BOTM 1732 hr
B1. Final Flow	56.0	0.0	28.0	0.0	0.0	T OPEN 1733 hr
C. In Shut-in	67.0	0.0	42.0	0.0	0.0	T PULLED 2033 hr
D. Init Flow	56.0	0.0	29.0	0.0	0.0	T OUT 2240 hr
E. Final Flow	56.0	0.0	31.0	0.0	0.0	
F. Fl Shut-in	56.0	0.0	45.0	0.0	0.0	
G. Final Hydro	2488.0	0.0	2423.0	2360.0	0.0	
Inside/Outside	0	0	I	0		

**TOOL DATA-----**

Tool Wt.	2000.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	120000.00 lbs
Initial Str Wt	100000.00 lbs
Unseated Str Wt	100000.00 lbs
Bot Choke	0.78 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.38 in
D.C. Length	634.00 ft
D.P. Length	4582.00 ft

**RECOVERY**

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP  
 5.00 ft of Mud  
 0.00 ft of 100% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

**KCC**  
 FEB 07 2001  
**CONFIDENTIAL**

**BLOW DESCRIPTION**

Initial Flow:  
 Weak 1 1/2" blow died to 1/2"  
 Initial Shut-In:  
 No blow back.  
 Final flow:  
 No blow  
 Bottom packer did not hold.

**MUD DATA-----**

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	52.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Scott Bugbee
Co. Rep.	Marvin Harvey
Contr.	Cheyenne
Rig #	12
Unit #	
Pump T.	

SAMPLES:  
 SENT TO:

Test Successful: Y

**RELEASED**

MAR 18 2002

FROM CONFIDENTIAL