

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5447
Name: OXY USA Inc.
Address P. O. Box 300

City/State/Zip Tulsa, OK 74102-0300

Purchaser: NN
Operator Contact Persons: Raymond Hui

Phone (918) 561-3548
Contractor: Name: Cheyenne Drilling Co.

License: 5382'
Wellsite Geologist: None

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

4-9-97 4-11-97 6-23-97
Spud Date Date Reached TD Completion Date

API NO. 15-129-21489-00-00

County Morton

SE-NW - NW Sec. 13 Twp. 34S Rge. 41 ^E _W

4030 FSL Feet from ^S _{YN} (circle one) Line of Section

4030 FEL Feet from ^E _W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Wacker A Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3399 KB _____

Total Depth 2640' PBTB 2617'

Amount of Surface Pipe Set and Cemented at 565 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH.1, 3-10-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 2400 ppm Fluid volume 600 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 Raymond Hui RAYMOND HUI

Title Analyst Date 6-25-97

Subscribed and sworn to before me this 25th day of June, 1997.

Notary Public Elizabeth Kinion ELIZABETH KINION

Date Commission Expires 2-26-2000

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name OXY USA Inc. Lease Name Wacker A Well # 2
 Sec. 13 Twp. 34S Rge. 41 East County Morton
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample
See Attached -		
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Top
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Datum
List All E.Logs Run: <u>Ran cased hole logs</u>		Hollenberg 2300 1105
		Herington 2314 1091
		Krider 2332 1073
		Winfield 2362 1043
		Towanda 2418 987
		Ft. Riley 2495 910

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24	565'	Class A	240 sx	3% CC
Production	7 7/8"	5 1/2"	16	2634'	Class A	390 sx	3% CC

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
2	Hol. 2302-2306'; Her. 2322-2326';	Acidized w/1600	2302-2378
	Kri 2335-2339'; Win. 2364-2366' and	7.5% HCL	
	2376-2378'	Frac'd w/49000 gal. gel	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>2440</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Pump Testing	Waiting for connection	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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		633 CAOF		

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Other (Specify) _____

Production Interval: Commingled Other (Specify) _____

2302'
2378'



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO: OXY USH INC
 ADDRESS: [Handwritten]
 CITY, STATE, ZIP CODE: [Handwritten]

FIELD COPY

TICKET

No.

185449 - 0

PAGE 1 OF 2

1. SERVICE LOCATIONS: 1. BORDEN KS. 02534 WELL/PROJECT NO.: A-2 LEASE: WACKER COUNTY/PARISH: DEARBORN STATE: KS. CITY/OFFSHORE LOCATION: [Blank] DATE: 4-9-97 OWNER: SAME

2. SERVICE LOCATIONS: 2. [Handwritten] TICKET TYPE: SERVICE SALES NITROGEN JOB? YES NO CONTRACTOR: CHEVROLET RIG NAME/NO.: CHEVROLET 8 SHIPPED: [Handwritten] DELIVERED TO: LOCT. ORDER NO.: [Blank]

3. WELL TYPE: 02 WELL CATEGORY: 01 JOB PURPOSE: 010 WELL PERMIT NO.: [Blank] WELL LOCATION: LAND

4. REFERRAL LOCATION: [Blank] INVOICE INSTRUCTIONS: [Blank]

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
200-117					MILEAGE	110	mi	1	UNIT	320	320
200-119					CREW MILEAGE	110	mi	1	UNIT	175	175
201-016					Pump CHARGE	505	FT	6	HR	1025	1025
D30-D18					5w top Plug	8 3/4	IN	1	EA	130	130
24A	815.17502				INSERT PLUG	"	"	"	"	188	188
27	815.19415				Fillup ASSY	"	"	"	"	70	70
320	806.71460				CEMENT BASKET	"	"	"	"	139	139
41	800.61048				CENTRALIZERS	"	"	3	EA	68	204
350	890.10802				HOWCO WELD A	1	LB	1	EA	16.75	16.75

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

SUB SURFACE SAFETY VALVE WAS: PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
BEAN SIZE	SPACERS		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
TYPE OF EQUALIZING-SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?				7214.75
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
TREE CONNECTION	TYPE VALVE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
		ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		

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.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): [Handwritten] CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Handwritten] HALLIBURTON OPERATOR/ENGINEER EMP #: [Handwritten] HALLIBURTON APPROVAL: [Handwritten]

TERMS AND CONDITIONS

(12951)

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

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.

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 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. 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 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 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, 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 HALLIBURTON 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 not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will constitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense 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 agreement 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, 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. 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 HALLIBURTON 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 agreement 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 agreement, 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.



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

FIELD COPY

TICKET No. 155449

FORM 1911 R-10

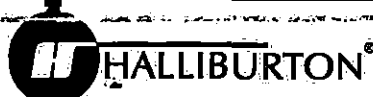
CUSTOMER	WELL	DATE	PAGE	PF
OKY DL.	REI	04-09-97	2	2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M			
504-050	516.00265				Premium Plus Cement	12	150	st		14 01	1401	00
504-222					Micon Premium Plus Cement		140	st		17 06	2368	60
507-285	70.15250						263	lb				
507-127	516.00335						3	st				
507-210	890.50071				Floccs 1/8V 2/40		60	lb		1 99	114	00
507-405	890.50812				Calcium Chloride 2 3/4/ 100, 3 3/4/ 140		6	st		46 90	281	40
500-207					SERVICE CHARGE				CUBIC FEET			
									263	1 55	417	65
500-305					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES				
						23626	24	283.5163		1 38	324	55

ORIGINAL

No. B 389268

CONTINUATION TOTAL 4927



JOB SUMMARY 4239-1

TICKET # **185449** TICKET DATE **4-9-97**

REGION North America	NWA/COUNTRY MID CONTINENT	BDA / STATE Ks.	COUNTY MORTON
MBU ID / EMP # LT0101 - 74604	EMPLOYEE NAME Tim ROADFOOT	PSL DEPARTMENT CEMENT	
LOCATION LIBERAL Ks.	COMPANY OMX USA INC	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION LAWN	DEPARTMENT CEMENT	JOB PURPOSE CODE 010	
LEASE / WELL # WACKER A-2	SEC / TWP / RNG 13-34S-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
MM ROADFOOT 74604							
KON KRIST 7653							
ED. WHITE 149434							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
58242	110						
52947-75496	110						
50737-75505	44						

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 INSERT	1	A
Float Shoe Fill up	1	
Guide Shoe		O
Centralizers S-4	3	
Bottom Plug		W
Top Plug 5w	1	
Head Howco WELNA	1	C
Packer		
Other		O

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	CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	4-9-97	4-9-97	4-9-97	4-9-97
TIME	1300	1530	2025	2100

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24	8 5/8	KB	565	
Liner						
Liner						
Tbg/DPI						
Tbg/DPI						
Open Hole			12 1/4	KB	565	SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
TOTAL		TOTAL		

ORDERED _____ HYDRAULIC HORSEPOWER Avail. _____ Used _____
 TREATED _____ AVERAGE RATES IN BPM _____ Overall _____
 FEET **46.41** CEMENT LEFT IN PIPE Reason **SKOE JT.**

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	140	MPT	B	3% C.C. - 1/8" SK floccle	3.22	11.1
1	100	MPT	B	2% C.C. - 1/4" SK floccle	1.32	14.8

Circulating _____	Displacement _____	Preflush: Gal - (BBI) 5	Type 410
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp: BBI - Gal 33
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr: Gal - (BBI) 80 - 23.5	
		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: _____



JOB LOG 4239-5

TICKET # 105447	TICKET DATE 7-7-17
REGION North America	NW/COUNTRY USA
MBU ID / EMP # - 01544	EMPLOYEE NAME - [unclear]
LOCATION - [unclear]	COMPANY - [unclear]
TICKET AMOUNT	WELL TYPE 02
WELL LOCATION - [unclear]	DEPARTMENT - [unclear]
LEASE / WELL # - [unclear]	SEC / TWP / RNG 13-34S-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
CON CRIST 57653			
ED WHITE 49434			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1300							called out - READY 1530
	1530							ON LOC. - DRILLING
	1815							START RUNNING CSG. - HAD TO CIRCULATE LAST 2 ITS DOWN
	2015							Hook up to CMT HEAD
	2020							CIRCULATION TO PIT - SAFETY MEETING
	2025							Hook up CMT LINE
	2027	6	80					START LEAD CMT
	2040	6	23.5					START TAIL CMT
	2044	0	0					SHUT OFF DROP PLUG.
	2045	2.3	23					START ACO DISPLACEMENT
	2055	2	10					SLOW RATE 33 TOTAL BBL
	2100							PLUG LANDED - FLOAT WELD
								JOB OVER

ORIGINAL

THANKS HALLIBURTON FOR ENERGY SERVICES CALLING SERVICES LIBERAL OK.

X HAVE A GOOD EVENING BROADFOOT - CRIST - WHITE

MSDS ON LOC 30 BBL CMT PIT - 52 SKS

VICKER



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO: DAY USA INC.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

FIELD COPY

TICKET

No.

183879-3

PAGE 1 OF 3

1. SERVICE LOCATIONS <u>LIBERTY</u>	WELL/PROJECT NO.	LEASE <u>WACKER A</u>	COUNTY/PARISH <u>MAZUMBA CO. OKLAHOMA</u>	STATE <u>OK</u>	CITY/OFFSHORE LOCATION <u>VED</u>	DATE <u>4-11-97</u>	OWNER <u>GAME</u>
2. <u>1</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>CLEVELAND DRILLING</u>	RIG NAME/NO. <u>#127 SEP 82</u>	SHIPPED <u>VIA R2</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO. <u>20</u>	WELL LOCATION <u>LAND</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
000-117					MILEAGE	1 RT	110 MI	3.20		352.00
000-119					CREW MILEAGE	1 RT	110 MI	1.95		214.50
001-026					PUMP CHARGE	6 HR	2634 FT	1680.00		1680.00
87-	815 19311				PILLUP ASSE 214	1 HR	1 HR	76.00		76.00
14A	815 19291				INERT FRONT VALVE	52 IN	1 EA	121.00		121.00
12A	825 305				GUIDE SHOE	52 IN	1 EA	121.00		121.00
40-	806 1-0022				CENTRALIZERS	52 IN	10 EA	67.00		670.00
720	806 71430				CEMENT RACKET	52 IN	1 EA	116.00		116.00
12-211					TOP PLUG	52 IN	1 EA	60.00		60.00
312-361					PE-6	PER LB	1 EA	83.00		83.00
012-025					CLAYK 11	PER GAL	3 GAL	30.50		91.50
18-517					830-21	PER GAL	3 GAL	33.00		99.00

ORIGINAL

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	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 3684.00 FROM CONTINUATION PAGE(S) 9048.03 17732.03
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
DATE SIGNED	TIME SIGNED	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered				<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.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) X	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) JAMES S. WICKLIAS	HALLIBURTON OPERATOR/ENGINEER B2098	EMP #	HALLIBURTON APPROVAL
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TERMS AND CONDITIONS

(1295)

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

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.

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 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. 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 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 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, 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 HALLIBURTON 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 not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will constitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense 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 agreement 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, 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. 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 HALLIBURTON 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 agreement 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 agreement, 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.



TICKET CONTINUATION

FIELD COPY

TICKET No. 173872

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER 174 QCY 1EA	WELL Fector A #2	DATE 4-11-97	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504-282					Milcon Premium Plus	330	1	sk		17 05	6553	40
507-265	70.19250											
508-127	516.00005											
507-210	890.50071				Flocote 1/2"/all	98	1	lb		1 90	185	20
500-405	800.50612				Calcium Chloride 2 1/2"/all	7	1	sk		46 90	328	30
501-014					Additional Hours	1	1	hr		291 00	291	00
501-015					Additional Hours	1	1	hr		75	75	00
500-207					SERVICE CHARGE				CUBIC FEET	429	1 55	654 95
500-300					MILEAGE CHARGE				TOTAL WEIGHT	33784		
					LOADED MILES	24			TON MILES	465.41	1 18	549 18

ORIGINAL

No. B 389272

CONTINUATION TOTAL 9048 03



JOB LOG 4239-5

TICKET # 148373 TICKET DATE 4-11-97

REGION North America	NWA/COUNTRY MID CONTINENT USA	BDA/STATE MID CONTINENT USA	COUNTY MARTIN
MBU ID / EMP # 81 7041 H258	EMPLOYEE NAME JAN NICHOLAS	PSL DEPARTMENT CEMENT	
LOCATION	COMPANY JYI USI INC	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI # 15129214892000	
WELL LOCATION	DEPARTMENT CEMENT SWM	JOB PURPOSE CODE 035	
LEASE / WELL # WACKEL A	SEC / TWP / RNG 13 243 4110		

ORIGINAL

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 NICHOLAS 817041							
T. HEDGECOCK 11520							
E. SHANKS H258							
S. TELFORD H4817							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0420							CALLED OUT - READY 0800
	0745							ON LOCATION - LDDP.
	1330							Rig up to circulate to PIT.
	1351	9	12			1250		Pump MUDFLUSH
	1354	7.6	152			1275		Pump LEAD CEMENT - MIDCON PREM + -11.1
	1414	6.8	91			1200		Pump TAIL CEMENT - MIDCON PREM + -13.2
	1420							SHOT DOWN - CLEAN TRUCK AND LINES, DROP PLUG
	1423	6.7	60			1125		Pump DISPLACEMENT - H ₂ O
	1452	1	4			1250		SLOW DOWN
	1436					1250		PLUG LANDED - FLOAT HELD
								CIRCULATED 20 BBLs OF CEMENT TO PIT.



JOB SUMMARY 4239-1

TICKET # **183879** TICKET DATE **4-11-97**

REGION North America	NWA/COUNTRY MID CONTINENT USA	BDA / STATE MID CONTINENT USA	COUNTY MORTON
MBUID / EMP # L1 104 62098	EMPLOYEE NAME JASON NICHOLAS	PSL DEPARTMENT CEMENT	
LOCATION LIBERAL	COMPANY OXY USA INC	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI # 15129214890006	
WELL LOCATION LAND	DEPARTMENT CEMENT 5001	JOB PURPOSE CODE 035	
LEASE / WELL # WACKER A	SEC / TWP / RNG 13 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 NICHOLAS 62098							
T WOODROW 62573							
E. CHANCE 43456							
S TELFORD 44817							

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
470004	1.0						
53554 - 76900	1.1						
53757 - 75505	1.8						

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
	4-11-97	4-11-97	4-11-97	4-11-97
TIME	0400	0745	1336	1436

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar INSERT VALVE	1	H
Float Shoe FILLUP ASS.	1	
Guide Shoe	1	O
Centralizers	10	
Bottom Plug		W
Top Plug 53		
Head		C
Packer		
Other CEMENT BASKET	1	O

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	NW	14	5 1/2	KB	2634	
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	in
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
4-11-97	7	4-11-97	1	5 1/2 LONGSTREWS
TOTAL	7	TOTAL	1	

ORDERED _____ **HYDRAULIC HORSEPOWER** Avail. _____ Used _____
 TREATED _____ **AVERAGE RATES IN BPM** Disp. _____ Overall _____
 FEET **16.73** **CEMENT LEFT IN PIPE** Reason **SHOE JOINT**

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
LEAD	265	MIDCON P+	B	2% CAC12, 4 PPS FLOCKE	3.27	11.1
TAIL	125	MIDCON P+	B	2% CAC12, 4 PPS FLOCKE	1.84	13.2

Circulating _____	Displacement _____	Preflush: Gal - BBI 500	Type MUD FLUSH
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment: Gal - BBI	Disp: BBI - Gal 64
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr: Gal - BBI 152 LEAD	41 TAIL
		Total Volume: Gal - BBI 249 ARIS	

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

ORIGINAL

68412-621-51

OXY USA
WACKER A-2
SECTION 13-T34S-R41W
MORTON COUNTY, KANSAS

COMMENCED: 04-09-97
COMPLETED: 04-11-97

SURFACE CASING: 565' OF 8 5/8" CMTD
W/145 SKS MIDCON + 3% CC + 1/4 #/SK
FLOCELE. TAILED IN W/100 SKS
PREMIUM PLUS + 2% CC + 1/4 #/SK
FLOCELE.

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 565
RED BED	565 - 1143
GLORIETTA	1143 - 1298
RED BED	1298 - 2320
LIMESTONE & SHALE	2320 - 2640 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

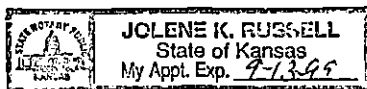
CHEYENNE DRILLING, INC.



WRAY VALENTINE

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 15TH DAY OF APRIL, 1997.



JOLENE K. RUSSELL


NOTARY PUBLIC