

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 U.S.A. Inc.
Address P.O. Box 27570

City/State/Zip Houston, TX 77227-7570

Purchaser: Enron
Operator Contact Person: Bill Berry
Phone (713) 215-7310
Contractor: Name: Cheyenne Drilling
License: 5382

Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: Old Well Info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBTD
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
2/10/98 2/19/98 7/28/98
Spud Date Date Reached TD Completion Date

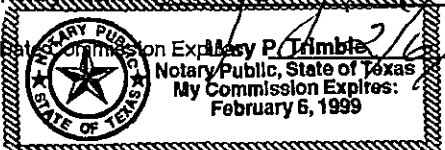
API NO. 15- 175-21698-0001
County Seward
____ - SW - NE - NE Sec. 16 Twp. 32S Rge. 34 W E
4070 FSL _____ Feet from S/N (circle one) Line of Section
1240 FEL _____ Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE (SE) NW or SW (circle one)
Lease Name KAPP A Well # 5
Shuck
Producing Formation Chase
Elevation: Ground 2920 KB 2929
Total Depth 6300 PBTD 2976
Amount of Surface Pipe Set and Cemented at 1713 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 Att. 1, 9-1-98 U.C.
(Data must be collected from the Reserve Pit)
Chloride content 1100 ppm Fluid volume 800 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
____ Quarter Sec. _____ Twp. _____ S Rge. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information 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 Bill Berry
Title Engineering Technician Date 8/25/98

Subscribed and sworn to before me this 25th day of August, 1998.

Notary Public Mary L. Trumble

Notary Public, State of Texas
My Commission Expires: February 6, 1999

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGP/
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other
(Specify)		

SIDE TWO

Operator Name OXY U.S.A. Inc. Lease Name KAPP A Well # 5
 East
 Sec. 16 Twp. 32S Rge. 34 West
 County SEWARD

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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:
 Sonic Gamma Ray
 Array Induction/SP, Micro-Resistivity/GR
 Compensated Neutron

Name	Formation (Top), Depth and Datums	
	Top	Datum
Winfield	2712	+217
Council Grove	2950	-21
Heebner	4188	-1259
Toronto	4210	-1281
Morrow	5557	-2628

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	1713	Class A	455	3% CC
Production	7 7/8"	5 1/2"	14	3007	Class A	330	2% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
Perforate					
Protect Casing					
Plug Back TD					
Plug Off Zone					

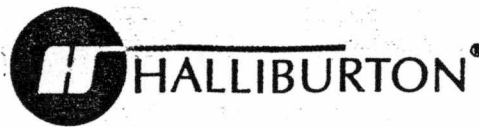
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth
2	2610-2614	Acidized w/1600 gal. 7.5% HCL;	
2	2644-2648	Frac'd w/1005 bbls.	
2	2670-2676		
2	2718-2720		

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2 7/8"	2745	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or Inj.			Producing Method					
7/28/98			<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
	0		112					

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perforation Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____

CUSTOMER COPY



REMIT TO:
P.O. BOX 951016
DALLAS, TX 75395-1046
Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
234497	02/12/1999

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
KAPP A 5	SEWARD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL		SHOWN BELOW	02/12/1999		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	LAKE SLATTEN	E-26		COMPANY TRUCK	3729

OXY USA INC.
P.O. BOX 2528
LIBERAL, KS 67705-2528

DIRECT CORRESPONDENCE TO:
P.O. BOX 1598
LIBERAL KS 67901

ORIGINAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT SURFACE CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	46 MI		3.65	167.90
		1 UNT			
	DISCOUNT-(BID)	41.0 X			48.83-
000-119	MILEAGE FOR CREW	46 MI		2.15	98.90
		1 UNT			
	DISCOUNT-(BID)	41.0 X			40.54-
030-018	CEMENTING PLUG 5W, PLASTIC TOP	8 5/8 IN		143.00	143.00
		1 EA			
	DISCOUNT-(BID)	41.0 X			58.63-
001-016	CEMENTING CASING	1676 FT		1,630.00	1,630.00
		1 UNT			
	DISCOUNT-(BID)	41.0 X			668.30-
27	FILL-UP UNIT 7" - 8 5/8"	1 EA		81.00	81.00
815.19413					
	DISCOUNT-(BID)	83.0 X			28.35-
24A	INSERT FLOAT VALVE - 8 5/8" BRD	1 EA		207.00	207.00
815.19502					
	DISCOUNT-(BID)	32.0 X			66.24-
41	CENTRALIZER - 8-5/8 X 12-1/4	4 EA		71.40	285.60
006.61048					
	DISCOUNT-(BID)	32.0 X			91.39-
350	HALLIBURTON WELD-A-AL FILLED	1 EA		18.43	18.43
890.10802					

***** CONTINUED ON NEXT PAGE *****

AFFIX JOB TKT

TERMS: 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 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.

CUSTOMER COPY

INVOICE



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO:
 P.O. BOX 951046
 DALLAS, TX 75395-1046
 Corporate FIN 73-0271280

INVOICE NO.	DATE
234497	02/12/199

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
KAPP A 5	SEWARD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL		SHOWN BELOW	02/12/199		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	JAKE SLATTEN	E-26		COMPANY TRUCK	3729

DXY USA INC.
 P.O. BOX 2528
 LIBERAL, KS 67905-2528

ORIGINAL

DIRECT CORRESPONDENCE TO:
 P O BOX 1598
 LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)	32.0	%		5.89-
320	BASKET-CMT-8 5/8 CSO X 21"-SLP	1	EA	146.00	146.00
006.71460	DISCOUNT-(BID)	32.0	%		46.72-
019-200	PIPE 1"	100	FT	1.50	150.00
	DISCOUNT-(BID)	41.0	%		61.50-
507-210	FLOCELE	75	LB	2.09	156.75
	DISCOUNT-(BID)	41.0	%		64.26-
001-018	CEMENTING CASING - ADD HRS	6	HR	976.00	2,256.00
		1	UNT		
	DISCOUNT-(BID)	41.0	%		924.96-
504-282	MIDCON-2 PREMIUM PLUS CEMENT	355	SK	18.48	6,560.40
	DISCOUNT-(BID)	41.0	%		2,699.76-
504-050	CEMENT - PREMIUM PLUS	100	SK	15.69	1,569.00
	DISCOUNT-(BID)	41.0	%		643.29-
507-210	FLOCELE	203	LB	2.09	424.27
	DISCOUNT-(BID)	41.0	%		173.93-
509-406	ANHYDROUS CALCIUM CHLORIDE	12	SK	46.90	562.80
	DISCOUNT-(BID)	41.0	%		230.74-
500-207	BULK SERVICE CHARGE	511	CFT	1.66	848.26
	DISCOUNT-(BID)	41.0	%		347.78-
500-306	MILEAGE CMTG MAT DEL OR RETURN	543.12	TMI	1.25	678.90

***** CONTINUED ON NEXT PAGE *****

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CUSTOMER COPY



REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046 Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
234497	02/12/199

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
KAPP A 5	SEWARD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL		SHOWN BELOW	02/12/199		
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	IAKE SLATTEN	E-26		COMPANY TRUCK	3729

OXY USA INC.
P.O. BOX 2528
LIBERAL, KS 67905-2528

ORIGINAL

DIRECT CORRESPONDENCE TO:
P O BOX 1598
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)	41.0	%		278.34-
504-050	CEMENT - PREMIUM PLUS	200	SK	15.69	3,138.00
	DISCOUNT-(BID)	41.0	%		1,286.58-
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	46.90	187.60
	DISCOUNT-(BID)	41.0	%		76.91-
500-207	BULK SERVICE CHARGE	208	CFT	1.66	345.28
	DISCOUNT-(BID)	41.0	%		141.56-
500-306	MILEAGE CMTD MAT DEL OR RETURN	229.21	TMI	1.25	286.51
	DISCOUNT-(BID)	41.0	%		117.46-
JOB PURPOSE SUBTOTAL					19,941.60
INVOICE SUBTOTAL					19,941.60
DISCOUNT-(BID)					8,111.98-
INVOICE BID AMOUNT					11,829.62
* KANSAS STATE SALES TAX					455.24
* LIBERAL CITY SALES TAX					92.91
* SEWARD COUNTY SALES TAX					139.38
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$12,517.15

YFFIX JOB TKT

TERMS: 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 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.



HALLIBURTON ENERGY SERVICES

1906 Q

CHARGE TO: **OXY USA Inc.**
 ADDRESS: **PO BOX 2528 L**
 CITY, STATE, ZIP CODE: **Liberal Kansas. 67905.**

ORIGINAL - DUNCAN COPY

TICKET

RECEIVED No. **234497 - X**

PAGE 1 OF 3

1. 025540	WELL/PROJECT NO. S	LEASE Kapp A	COUNTY/PARISH Seward	STATE KS	CITY/OFFSHORE LOCATION Liberal	DATE 02-12-98	OWNER
2. 025535	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR Chyenne Atg	RIG NAME/NO. # 3	SHIPPED VIA CT.	DELIVERED TO Well site.	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION Land.		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

JOB	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
			LOC	ACCT	DF			U/M			
	000-117				41	MILEAGE	46	mi	RT	3.65	167.90
	000-119					Crew Mileage	46	mi	RT	2.15	98.90
	030-018					5 wiper plug.	8 5/8	in	1 ea		143.00
	001-016					pump charge.	1676	ft	1 ea		1630.00
	27	815.19415			32	Fill assembly.	1.5	in	1 ea		81.00
	24A	815.19502				Insert fladd valve	8 5/8	in	1 ea		207.00
	41.	806.61048				Centralizers.	8 5/8	in	4 ea	71.40	285.60
	350	890.10802				Weld A			1 ea		18.43
	370	806.71460				Cwt Basket	8 5/8	in	1 ea		146.00
	019-200		2		41	lin pipe	100	ft	100 ft	1.50	150.00
	507-210	890.50071	2			flocele.	75	#	75 #	2.09	156.75
	001-018					Additional hours	6	hr	6 ea	376.00	2256.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.	TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL	5340.58
X A. Bell	BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S)	1460102
	DATE SIGNED	DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TIME SIGNED	SPACERS	TREE CONNECTION	TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	19941.60
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered					11829.62

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) Jake Slaten	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X	HALLIBURTON OPERATOR/ENGINEER Jako du Toit	EMP # H 7616.	HALLIBURTON APPROVAL Larry Smith *
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Halliburton Energy Services

ORIGINAL

DATE:02-11-1998 TIME:23:56:38 SERVICE TICKET: 234497
HUGOTON-25535 BULK TICKET ONLY: 800946
JOB PURPOSE:SURFACE COMPANY TRUCK::7649 6611 DRIVER: D.Hamilton L.Patterson
CUSTOMER: Oxy USA LEASE & WELL#:Kapp A #5

504-282	MIDCON CEMENT · PREMIUM PLUS	355	SKS.	18.48	6560.40
504-050	PREMIUM PLUS CEMENT	100	SKS.	15.69	1569.00
507-210	FLOCELE	203	LBS.	2.09	424.27
509-406	CALCIUM CHLORIDE	12	SKS.	46.90	562.80
500-207	SERVICE CHARGES	511	CU FT	1.66	848.26
				TOTAL	9964.73
500-306	WEIGHT: 45260	MILES: 24	TON MILES: 543.12	1.25	678.90
			TOTAL BOOK PRICE OF BULK TICKET:		\$10643.63

41%

500-225 RETURN SERVICE CHARGES _____ 20% COST OF RET. MATERIALS
1.66 _____

500-306 WEIGHT: _____ RETURN MILES: 24 TON MILES: _____ 1.25 _____

CONSEANTION DIVISION
Wichita, Kansas

700 3 1 1993

HALLIBURTON
SHEET 1 OF 1



HALLIBURTON

Halliburton Energy Services

ORIGINAL

DATE:02-12-1998

TIME:05:04:30

SERVICE TICKET: 234497

HUGOTON-25535

BULK TICKET ONLY: 800947

JOB PURPOSE:

COMPANY TRUCK::N DRIVER: D.CORPENING

CUSTOMER: oxy

LEASE & WELL#:KAPP A #5

504-050 PREMIUM PLUS CEMENT 200 SKS. 15.69 3138.00

509-406 CALCIUM CHLORIDE 4 SKS. 46.90 187.60

500-207 SERVICE CHARGES 208 CU FT 1.66 345.28
TOTAL 3670.88

500-306 WEIGHT: 19101 MILES: 24 TON MILES: 229.21 1.25 286.51
TOTAL BOOK PRICE OF BULK TICKET: \$ 3957.39

417.

500-225 RETURN SERVICE CHARGES _____ 20% COST OF RET. MATERIALS
1.66 _____

500-306 WEIGHT: _____ RETURN MILES: 24 TON MILES: _____ 1.25 _____

OFFICE OF THE SUPERVISOR
ADD 3115
1998



JOB SUM RY 4239-1

TICKET # 23/497
TICKET DATE 2-12-98

REGION North America	NWA/CC Mid Continent	BOA / STATE Kansas	COUNTY Seward
MBUID / EMP # L10.101 H7616	EMPLOYEE NAME Jake du Toit	PSL DEPARTMENT Zonal Isolation	
LOCATION Liberal	COMPANY OXY USA. Inc	CUSTOMER REP / PHONE	
TICKET AMOUNT 20317.60	WELL TYPE 01	API / UWI #	
WELL LOCATION Land	DEPARTMENT Zonal Isolation	JOB PURPOSE CODE 010	
LEASE / WELL # Kapp A. 5	SEC / TWP / RNG 16 32S 34 W		

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
D. Malone G 301			
E. Charro H 3456			
D. Hamilton G 3090			
L. Peterson H 8760			

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
38242	4.6 mi						
52947-75496	4.6 mi						
52276-7649							
52823-6611							

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
	2-11-98	2-11-98	2-12-98	2-12-98
TIME	21:30	22:30	0215	1130

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Center Insect.	1	H
Float Shoe		
Guide Shoe		O
Centralizers 8 3/8	4	
Bottom Plug		W
Top Plug 5W	1	
Head DC	1	C
Packer		
Other Basket	1	O

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24	8 3/8	K5	1676	
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 _____	Qty. _____
Perfpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

Avail. _____ Used _____

AVERAGE RATES IN BPM

Disp. _____ Overall _____

CEMENT LEFT IN PIPE

Reason _____

FEET 36

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	355	Mid Con	Bulk.	3% CC 1/2# Flowcel	2.22	11.1
	100	Pack Plus	Bulk.	2% CC 1/4# Flowcel	1.52	14.8

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal 107
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI LC 2075 TC 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 LOC

TICKET # 231497 TICKET DATE 2-12-98

REGION North America	NWACG. HY	Mid Continent	BDA / STATE Kansas	COUNTY Seward
MBU ID / EMP # LIO 101 H 7616	EMPLOYEE NAME	Jako du Toit	PSL DEPARTMENT	Zonal Isolation.
LOCATION Liberal	COMPANY	OXY USA. Inc	CUSTOMER REP / PHONE	
TICKET AMOUNT 20317-60	WELL TYPE	01	API / UWI #	
WELL LOCATION Land	DEPARTMENT	Zonal Isolation	JOB PURPOSE CODE	010
LEASE - WELL # Kapp # 5	SEC / TWP / RNG	16 32 S 34 W		

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
D. McIne G3601	D. Carpenter. H2441		
E. Charre H3656			
D. Hamilton G3696			
Peterson H8760			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	21:30							Job ready.
	21:30							Called for Job.
	22:30							On location. Still Logging.
	00:40							Stand run casing & float equip.
	01:40							Casing on bottom.
	01:45							Hook up pc & circulating Iron
	01:55							Start circulating.
	02:05							thru circulating.
	02:10							Hook up to Halliburton
	02:15	5 1/2	203.5	✓		0		Job procedure 8 5/8 Surface
	02:47	5 1/2	23.5	✓		0/100		Start lead cement at 11.1
	02:54					100%		start tail cement at 14.8.
	02:57							then mix cement.
	03:00	5 1/2	107	✓		0/50		Shut down, release Plug.
	03:05					100/150		Start displacement
	03:15					150%		displacement reach cement.
	03:20	2						Lost circulation.
	03:30					0/500		slow down rate
	03:33							Plug landed
	03:35							release float
	03:40							Float Held
	06:00							Called for more cement.
	07:00							Cement on location
	08:05	1	23.5	✓		0/300		run 1 in to hole
	08:12							Start cement.
	08:15							Cement came to surface.
	08:23							Cement goes back down
	10:55							then mix cement
	11:00	1.5	23.5	✓		0/400		Hook up 1 in line.
	11:06							Start mix cement.
	11:15							Cement surface
	11:25							Stop mix cement
								Cement level stable.

Thank you for calling Halliburton
Jako, Danny & crew.



HALLIBURTON ENERGY SERVICES

1906-Q

CHARGE TO:
ADDRESS: Oxy U.S.A. INC.
CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No.

233713 - 7

PAGE 1 OF 2

1. 25540 LACRAL	WELL PROJECT NO. <u>85</u>	LEASE <u>KAPP 'A'</u>	COUNTY/PARISH <u>SEWARD</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>2-20-98</u>	OWNER <u>SAME</u>
2. 25535 HUGOTON	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>#3 CHEYENNE</u>	RIG NAME/NO.	DELIVERED TO <u>WELL SITE</u>	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>675' PLUG BACK / 5th L.S.</u>	WELL PERMIT NO.	WELL LOCATION <u>LAND SEC 16-225-34W</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
			LOC	ACCT	DF							
	000-117		1			MILEAGE	48	MI		RIT	3.65	1.5720
	000-119		1			CREW M. LEAGE	48	MI		RIT	2.15	10.320
	008-308		1			PLUG BACK PUMP CHARGE	0.8	WRS			14.9300	14.9300
	001-016		1			PUMP CHARGE	3007	FT			19.3800	19.3800
	030-016	SESU	1			S-W TOP PLUG	1	EA	5/2	IN	66.00	66.00
	018-315		1			MUD FLUSH	500	GAL	1	EA	83	41.500
	011-303		1			CLA-FIX II	3	GAL	1	EA	30.50	91.500
	218-516		1			SSO 21m	3	GAL	1	EA	32.50	97.500
	519-412		1			B.E-6	1	YB	1	EA	85.50	85.500
	12A	825-205	1			REG GUIDE SHOE	1	EA	5/2	IN	133.00	133.000
	24A	815-19251	1			TAPER FLOAT	1	EA	5/2	IN	1.8700	1.87000
	27	815-19311	1			FILL UP ASSY	1	EA	1.00	UM	87.00	87.000
	40	806-60022	1			GRANTALIZER	10	EA	5/2	IN	70.00	700.000
	320	890-10802	1			GRABBER	1	EA	5/2	IN	122.00	122.000

ORIGINAL

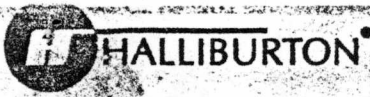
LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

X D. Bell
DATE SIGNED _____ TIME SIGNED _____
 A.M. P.M.

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN			PAGE TOTAL	56397
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE		FROM CONTINUATION PAGE(S)	92467
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH		148866
SPACERS	TREE CONNECTION	TYPE VALVE		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	890139

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) <u>D. Bell</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <u>D. Bell</u>	HALLIBURTON OPERATOR/ENGINEER <u>John Woodman 62573</u>	HALLIBURTON APPROVAL
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JOB L# 4239-5

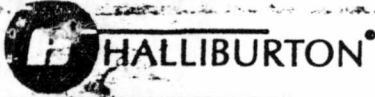
TICKET #	15713	TICKET DATE	2-20-74
REGION	North America	NWA COUNTRY	
MBU ID / EMP #		BDA / STATE	
LOCATION		PSL DEPARTMENT	CEMENT
TICKET AMOUNT		CUSTOMER REP / PHONE	
WELL LOCATION		API / UWI #	1572102000
LEASE / WELL #		DEPARTMENT	CEMENT
		SEC / TWP / RNG	15-37-24-11
		JOB PURPOSE CODE	625 - Plug back / cement

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

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1500							JOB READY
	0945							called out for job
	1300							PUMP TRUCK + BULK CMT ON LOCATION
	1305							HAVE PRE JOB SAFETY MEETING
	55							SET up Equipment / Rig Laying Down DRILL PIPE
	1405							TRIP IN HOLE WITH 3211' OF DRILL PIPE
	1510							HOLD PRE JOB SAFETY MEETING
	1515							Hook up TO 4 1/2" DRILL PIPE + CIRCULATING IRON
	1530							CIRCULATE HOLE WITH RIG PUMP THROUGH CIRCULATING / Hook up TO PUMP TRUCK
	1530	3.5	10.0	✓		80		PLUG BACK JOB PROCEDURE 50 SKS AT 3211'
	1543	5.0	10.5	✓		80		① pump 10 BBL'S FRESH WATER AHEAD
	1548	6.0	39.0	✓		80		Mix 50 SKS CMT AT 15.6 LBS/GAL
	1600					0		pump 35 BBL'S WATER BEHIND
	1615							Displace WITH 39 BBL'S mud
	1645							SHUT DOWN / LAY DOWN 7 SKS D.P.
	1930							Hook up TO D.P. + CIRCULATE HOLE
	2042							LAY DOWN DRILL PIPE
	2050							LAY DOWN R-H + M-H
	2108	5		✓				START RUNNING 5 1/2" CSGT FLOW EQUIP
	2112	4.0		✓				CASING ON BOTTOM 3007'
	2116	8.0	117	✓				Hook up 5 1/2" P/G + CIRCULATING IRON
	2131	7.0	40	✓				START CIRCULATING WITH RIG PUMP
	2140	151		✓				PLUG R-H + M-H WITH 25 SKS CMT AT 19' LBL
	2143							THROUGH CIRCULATING / Hook up TO PUMP TRUCK
	2200	74		✓				JOB PROCEDURE
								① pump 500 GAL mud FLUSH
								157 mix 205 SKS LEAD CMT AT 11.1 LBS/GAL
								124 mix 125 SKS TAIL CMT AT 13.2 LBS/GAL
								THROUGH MIXING CMT / SHUT DOWN
								BRUSH OUT PUMP + LUBES / RELEASE PLUG
								START DISPLACING
								HAVE 45 BBL'S OUT, HAVE CMT RETURNS TO SURFACE
								PLUG DOWN / RELEASE FLOAT
								Float Held
								(Circulated 30 BBL 52 SKS)

THANK YOU FOR CALLING HALLIBURTON
10000 - C.P. 11



JOB SU ARY 4239-1

TICKET # 3713 TICKET DATE 2-20-98

REGION North America	NW/CONTINTRY MID CONTINENT	BDA / STATE KS	TICKET DATE 2-20-98
MBU ID / EMP # 62573	EMPLOYEE NAME JOHN WOODROW	PSL DEPARTMENT CEMENT	COUNTY SEWARD
LOCATION ARAI, KS	COMPANY Oxy U.S.A.	CUSTOMER REP / PHONE JAKE SLATTEN	
TICKET AMOUNT	WELL TYPE 02	API / UWI # 15175218080000	
WELL LOCATION NEW LIBERAL	DEPARTMENT CEMENT	JOB PURPOSE CODE 675- PLUG BACK LONG STRING	
LEASE / WELL # KAPPA #5	SEC / TWP / RNG 18-32S-34W		

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
R ELWOOD 04360							
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
53554/76000							
50737/6612							

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
2-20-98	0944	1300	1537	2200

TOOLS AND ACCESSORIES

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

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	NV	14'	5 1/2	KB	370.7	
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	
TOTAL		TOTAL		

ORDERED _____ HYDRAULIC HORSEPOWER Avail. _____ Used _____
 TREATED _____ AVERAGE RATES IN BPM Disp. _____ Overall _____
 FEET 300 CEMENT LEFT IN PIPE Reason SHOE JOINT

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL

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 73
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI 117 LG 40 TC
 Total Volume Gal - BBI