

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 \_\_\_\_\_ PBTB  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. \_\_\_\_\_  
2/24/98 3/7/98 5/14/98  
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21712-00-00  
County Seward  
NW/4 SW/4 SW/4 Sec. 9 Twp. 32S Rge. 34  E  W

770 FSL Feet from  (circle one) Line of Section  
330 FWL Feet from E/ (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or  (circle one)  
Lease Name DOWNING A Well # 3

Producing Formation Chester  
Elevation: Ground 2931 KB 2940  
Total Depth 6274 PBTB 6230  
Amount of Surface Pipe Set and Cemented at 1711 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.

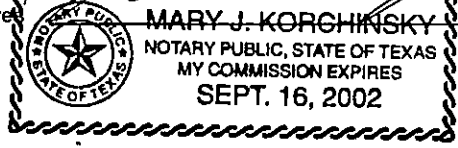
Drilling Fluid Management Plan AH-1 12-8-98 U.C.  
(Data must be collected from the Reserve Pit)  
Chloride content 1500 ppm Fluid volume 1200 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rge. \_\_\_\_\_ E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

RECEIVED  
STAFF CORPORATION COMMISSION  
NOV 20 1998  
CONSERVATION DIVISION  
Wichita, Kansas

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 11/17/98  
Subscribed and sworn to before me this 17 day of November, 19 98.  
Notary Public \_\_\_\_\_  
Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

**ORIGINAL**

SIDE TWO

Operator Name OXY U.S.A. Inc. Lease Name DOWNING A Well # 3

East

County SEWARD

Sec. 9 Twp. 32S Rge. 34

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  Yes  No  
(Attach Additional Sheets.)  
Samples Sent to Geological Survey  Yes  No  
Cores Taken  Yes  No  
Electric Log Run  Yes  No  
(Submit Copy.)

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
Marmaton	4984	-2044
Morrow	5570	-2630
Chester	5778	-2838
Lower Chester Sand	6100	-3160
Meramec	6217	-3277

List All E.Logs Run:  
Platform Express Array Induction/SP Micro Resist.  
Platform Express Compensated Neutron Litho Densit  
BHC Sonic Gamma Ray  
Microlog Gamma Ray

CASING RECORD  New  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	1726	Class A	435	3% CC
Production	7 7/8	5 1/2	14/15.5	6270	Class A	430	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)	Depth
4	6175-6196	Acidize w/1800 gal. 7 1/2% FE	
4	6158-6167	Acidize w/900 gal. 7 1/2% FE	
4	6112-6155	Acidize w/2000 gal. 7 1/2% MCA	

TUBING RECORD Size 2 3/8 Set At 6055 Packer At 6055 Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 5/14/98 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	0		795		0			

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perforation  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_  
(If vented, submit ACO-18.)

Production Interval \_\_\_\_\_

DOWNING A 3, OXY USA INC  
SEWARD, KS; FIELD: SHUCK; OBJ FORM: CHESTER  
CWI 100; CNI 87.5; WSN 48011

ORIGINAL

15-175-21712

03/06/98 JOB: D & E; CMIC: J. SLATTEN

DSS 9; MD 6153; DRLD(MD) 0; PR OPNS: TIH W/ DRILLING TOOLS.; FORM:  
CHESTER.; MW 9; FV 60; LCM 2; PH 9; WL 7.2; CHL 1000; FC 2; SLD % 5.2;  
CASING 8.625 @ 1725

ACTIVITY SUMMARY:

TOH W/ DRILLING TOOLS. MIRU TRILOBITE TESTING. TEST  
INTERVAL 6106' TO 6153'. TIH W/ TEST TOOLS AND PKRS. SET  
PKRS AT 6101' AND 6106'. OPEN TEST TOOLS. FIRST BLOW.  
STRONG BLOW TO SURFACE IN 15 SEC. GTS IN 5 MIN 749 MCFD. ISI  
BLED OFF IN TO 2 MIN. NO BLOW BACK. 2ND OPENING STRONG BLOW  
B.O.B. SOON AS OPENED TOOL. CF/D BUILT FORM 773 TO 951 CF/D  
IN 60 MIN. GAS MESAURED W/ MERLA METER. RELEASE PKRS AND  
TOOH W/ TEST TOOLS. TEST TIMES WERE.  
FF 30 MIN. ISI 60 MIN. IF 60 MIN. FSI 120 MIN. READ  
ELETRONIC GAUGES. INIT HYDRO PRESSURE 3216 PSIG. FIRST FLOW  
206 PSIG TO 138 PSIG. FINAL FLOW 217 PSIG TO 176 PSIG. IN  
SHUT IN 1188 TO 1183 PSIG. INIT FLOW 217 TO 182 PSIG. FINAL  
SI 1188 TO 1182 PSIG. FINAL HYDRO 2940 TO 3074 PSIG.  
RECOVERED O FLUID. SAMPLER 13.6 CUBIC FT GAS. 950 PSIG.  
CARAWAY ANALIZED SAMPLE OF GAS DURING SECOND FLOW. BTU (SAT)  
1074.4 @ 14.73 PSIG. BTU (DRY) 1093.4 @ 14.73 PSIG. OCTANE  
RATING 119.7. STAGED DRILLING TOOLS BACK IN HOLE. CICR ON  
BOTTOM FOR 1 HOUR MUD GASSY. LOST RETURNS. TOH DRILLING  
TOOLS TO SURFACE AND BUILDING VOLUME AT REPORT TIME. TOTAL  
MUD LOST 150 BBLs.

CONSERVATION DIVISION  
Wichita, Kansas

NOV 20 1998

RECEIVED  
STATE CORPORATION COMMISSION



HALLIBURTON

ORIGINAL

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

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
233622	02/26/1998

15-175-21712

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
LEWNING A-3		BEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	TICKET DATE
LIBERAL				SHOWN BELOW	02/26/1998
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
239167	D. BELL	E-26		COMPANY TRUCK	37976

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

CONSERVATION DIVISION  
 Wichita, Kansas

NOV 20 1998

STATE CORPORATION COMM

DIRECT CORRESPONDENCE TO:

P O BOX 1598  
 LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT SURFACE CASING					
000-117	MILEAGE CEMENTING SOUND TRIP	50 MI		3.65	182.50
		1 UNT			
000-119	MILEAGE FOR CREW	50 MI		2.15	107.50
		1 UNT			
001-016	CEMENTING CASING	1726 FT		1,630.00	1,630.00
		1 UNT			
41	CENTRALIZER - 8-5/8 X 12-1/4	4 EA		71.40	285.60
006.71048					
000	BASKET-CMT-0 5/8 CSO X 21" SLP	1 EA		146.00	146.00
806.71460					
24A	INSERT FLOAT VALVE - 8 5/8" 8PD	1 EA		207.00	207.00
815.17502					
07	FILL-UP UNIT 7"- 8 5/8"	1 EA		81.00	81.00
815.17415					
350	HALLIBURTON WELD-A-AL FILLED	1 EA		18.43	18.43
070.10002					
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8 IN		143.00	143.00
		1 EA			
004-282	HIDCON-2 PREMIUM PLUS CEMENT	355 SK		18.48	6,560.40
004-050	CEMENT - PREMIUM PLUS	100 SK		15.69	1,569.00
07-210	FLOCCE	203 LB		2.09	424.27
009-406	ANHYDROUS CALCIUM CHLORIDE	12 SK		46.90	562.80
000-207	BULK SERVICE CHARGE	311 CFT		1.65	513.15
000-306	MILEAGE CMTS MAT DEL OR RETURN	656.27 TMI		1.25	820.34
JOB PURPOSE SUBTOTAL					13,586.10
INVOICE SUBTOTAL					13,586.10

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

CUSTOMER COPY



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

HALLIBURTON ENERGY SERVICES, INC.

15-175-21712

INVOICE NO.	DATE
233622	02/26, 1998

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
DOWNING A-9		SEWARD		KS	GAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET/DATE
LIBERAL			SHOWN BELOW		02/26/1998
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	D. BELL	E-26		COMPANY TRUCK	37976

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

DIRECT CORRESPONDENCE TO:  
P O BOX 1598  
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)			5,503.83-
	INVOICE BID AMOUNT			8,082.27
	*-KANSAS STATE SALES TAX			340.52
	*-LIBERAL CITY SALES TAX			69.49
	*-SEWARD COUNTY SALES TAX			104.25
<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>				<b>8,596.53</b>

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STATE CORPORATION COMMISSION  
NOV 20 1998  
CONSERVATION DIVISION  
Wichita, Kansas

AFFIX JOB TAG

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®

HALLIBURTON ENERGY SERVICES

1906-Q

CHARGE TO: *Oxy U.S.A* 15-175-2172  
 ADDRESS: *P.O. Box 2528*  
 CITY, STATE, ZIP CODE: *Liberal, Ks 67805* RECEIVED NOV 20 1998  
 SALES CORPORATION COMMISSION No. 233622 - 4  
 PAGE 1 OF 2

1. <i>Liberal</i>	WELL/PROJECT NO. <i>A-3</i>	LEASE <i>Downing</i>	COUNTY/PARISH <i>Seward</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION	DATE <i>2-26-98</i>	OWNER <i>Same</i>
2. <i>Hugoton</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Choyenne</i>	RIG NAME/NO. <i>#3</i>	SHIPMENT VIA	ORDER NO.	
3.	WELL TYPE <i>02</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>010</i>	WELL PERMIT NO. <i>15175 21712 0000</i>	WELL LOCATION <i>9-325-34W</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

JOB IPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
			LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
	<i>000-117</i>		<i>1</i>		<i>41</i>	<i>MILEAGE pumpTrk</i>	<i>50</i>	<i>mi</i>	<i>365</i>		<i>182 50</i>
	<i>000-119</i>		<i>1</i>		<i>1</i>	<i>crew mileage</i>	<i>50</i>	<i>mi</i>	<i>215</i>		<i>107 50</i>
	<i>001-016</i>		<i>1</i>		<i>1</i>	<i>pump chg</i>	<i>1726</i>	<i>ft</i>	<i>1 unit</i>	<i>1630 00</i>	<i>1630 00</i>
	<i>41</i>	<i>806.61098</i>	<i>1</i>		<i>32</i>	<i>centralizers</i>	<i>4 ea</i>	<i>8 5/8 in</i>	<i>71 40</i>		<i>285 60</i>
	<i>320</i>	<i>806.71460</i>	<i>1</i>		<i>1</i>	<i>cont Basket</i>	<i>1 ea</i>	<i>8 5/8 in</i>	<i>146 00</i>		<i>146 00</i>
	<i>24A</i>	<i>815.19502</i>	<i>1</i>		<i>1</i>	<i>Insert Float</i>	<i>1 ea</i>	<i>8 5/8 in</i>	<i>207 00</i>		<i>207 00</i>
	<i>27</i>	<i>815.19415</i>	<i>1</i>		<i>1</i>	<i>Fill Tube</i>	<i>1 ea</i>		<i>81 00</i>		<i>81 00</i>
	<i>350</i>		<i>1</i>		<i>1</i>	<i>Well A</i>	<i>1 1/6</i>		<i>1843</i>		<i>18 1/3</i>
	<i>030-018</i>		<i>1</i>		<i>41</i>	<i>5-W Top plug</i>	<i>1 ea</i>	<i>2 3/8</i>	<i>143 00</i>		<i>143 00</i>

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, BELT ASST, 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 <i>3801 03</i>
X <i>D. Behl</i> DATE SIGNED <i>2-26-98</i> TIME SIGNED <i>0800</i> <input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.	BEAN SIZE	TYPE OF EQUALIZING SUB. CASING PRESSURE	FROM CONTINUATION PAGE(S) <i>10785 01</i>
	DEPTH	TUBING SIZE TUBING PRESSURE WELL DEPTH	<i>13586 10</i>
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SPACERS	TREE CONNECTION TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <i>8082 27</i>

**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) <i>D. Behl</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X D Behl</i>	HALLIBURTON OPERATOR/ENGINEER <i>Nick Korbe</i>	EMP # <i>H3115</i>	HALLIBURTON APPROVAL <i>Larry Smith *</i>
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ORIGINAL  
15-175-21712

### Halliburton Energy Services

DATE:02-26-1998      TIME:00:07:27      SERVICE TICKET: 237627  
HUGOTON-25535      BULK TICKET ONLY: 800999

JOB PURPOSE: SURFACE    COMPANY TRUCK::75817N    DRIVER:

CUSTOMER: OXY USA

LEASE & WELL#: DOWNING A #3

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: 29	TON MILES: 656.27	1.25	820.34
			TOTAL BOOK PRICE OF BULK TICKET:		\$10785.07

4170

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

500-306 WEIGHT: \_\_\_\_\_ RETURN MILES: 29 TON MILES: \_\_\_\_\_ 1.25

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HALLIBURTON  
SERVICE CORPORATION  
NOV 28 1990  
CONSERVATION DIVISION  
Wichita, Kansas



JOB SLIP

FORM 4239-1

ORIGINAL

TICKET # 23 22  
TICKET DATE 2-26-98

REGION North America  
 NWA MIDDLE EAST AFRICA  
 EMPLOYEE NAME Nick Korbe  
 COMPANY Oxy U.S.A.  
 BDA / STATE KS  
 COUNTY Seward  
 MBU ID / EMP # L0110 H3115  
 FLS DEPARTMENT 5001  
 LOCATION Liberal  
 CUSTOMER REP / PHONE Jake Slatten  
 TICKET AMOUNT \$13,536.10  
 WELL TYPE 02  
 API / UWI # 15175217120000  
 WELL LOCATION 16N, 6W, - F Liberal  
 DEPARTMENT 5001  
 JOB PURPOSE CODE 010  
 LEASE / WELL # Downing A-3  
 SEC / TWP / RNG 9-32S-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
N. Korbe H3115			
G. Humphries H9692			
B. Melatyre			
S. Grant H4639			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420642	54						
54038/75374	54						
52920/25817	58						
52923/6611	58						

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
	2-26-98	2-26-98	2-26-98	2-26-98
TIME	0230	0430	1130	1230

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar 1250T	1	
Float Shoe FillTube	1	
Guide Shoe		
Centralizers 5-4	4	
Bottom Plug		
Top Plug 5-W	1	
Head Basket	1	
Packer		
Other		

**WELL DATA**

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing N	24#	8 3/4	0	1726'	1000
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	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
2-26-98	6 hrs	2-26-98	1 hr	cmf surface
<b>TOTAL</b>	<b>6 hrs</b>	<b>TOTAL</b>	<b>1 hr</b>	

**HYDRAULIC HORSEPOWER**  
 Avail. \_\_\_\_\_ Used \_\_\_\_\_  
**AVERAGE RATES IN BPM**  
 Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
**CEMENT LEFT IN PIPE**  
 Reason sh jt

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	255	MidCo P.P.	K	3% C.C. 1/2" Fluoce	3.22	11.1
1	100	P.P.	K	2% C.C. 1/2" Fluoce	1.32	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 bbl  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - BBI 227 bbl  
 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  
 P. Bell





HALLIBURTON

ORIGINAL

TICKET # 2-22 TICKET DATE 2-26-98

REGION North America NWA 239-5 ITRY MidCent. USA BDA / STATE Ks COUNTY Seward

WELL ID / EMP # L10110 H3115 EMPLOYEE NAME Nick Korbe PSL DEPARTMENT 5001

LOCATION Liberal COMPANY Oxy Usa CUSTOMER REP / PHONE Julie Slatten

TICKET AMOUNT \$1358.10 WELL TYPE 02 AP: UWI # 15125217120000

WELL LOCATION 1/4 N. E. W. of Liberal! DEPARTMENT 5001 JOB PURPOSE CODE 010

LEASE / WELL # Downing A-3 SEC / TWP / RNG 9-325-34W

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
N. Korbe H3115							
G. Humphries H9147							
B. McTatyc							
S. Grant H4639							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0130							called out
	0430							on loc held safety mtg setup trks
								rigging pull D.C.
	0930							start F.E.
	1025							Drop Ball
	1100							Break Circ
	1127	7	0			250		start L. cont 385 sks 11.1 gal
	1156	7	203/0			200		start T. cont 100 sks 14.5 gal
	1159		23					end cont
	1201							release plug
	1203	5	0					start disp
	1227		107			350		Bump plug
	1228							release pres Float held
								wash up rack up Job complete Thank you Nicky Gary, Sam, Brian

CONSERVATION DIVISION  
Michigan  
NOV 20 1998  
STATE OF MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES  
COMMISSIONER

385 sks cont ✓

CUSTOMER COPY



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

HALLIBURTON ENERGY SERVICES, INC.

15-175-21712

INVOICE NO.	DATE
196637	03/08/1998

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
DOLWING #43		REWARD		KS	CANE
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
LIBERAL				SHOWN BELOW	
TICKET DATE					
		03/03/1998			
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	JANE SLATTEN	E-26		COMPANY TRUCK	38547

DIRECT CORRESPONDENCE TO:

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

P O BOX 1598  
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT PRODUCTION CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	50 MI		3.65	182.50
		1 UNT			
000-119	MILEAGE FOR CREW	50 MI		2.15	107.50
		1 UNT			
007-013	MULT STAGE CEMENTING-1ST STAGE	6262 FT		2,634.00	2,634.00
001-016		1 UNT			
007-161	MULT STAGE CEMENTING-ADD STAGE	1 STG		1,875.00	1,875.00
		1 UNT			
010-317	SUPER FLUER	10 SK		112.00	1,120.00
26	INSERT VALVE F. S. 5 1/2"	1 EA		416.00	416.00
847.6318					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1 EA		87.00	87.00
815.17311					
40	CENTRALIZER-5-1/2 X 7-7/8	12 EA		70.00	840.00
806.60022					
71	CEMENTER-TYPE P ES 5-1/2 BRO	1 EA		2,894.00	2,894.00
813.56323					
75	PLUS SET - FREE FALL - 5-1/2 B	1 EA		840.00	840.00
813.16511					
46	CLAMP-LIMIT-5 1/2-FRICT-W/DOGS	1 EA		17.65	17.65
806.72720					
329	BASKET-OHT-5 1/2 OSB X 17"OD-	2 EA		122.00	244.00
806.71450					
350	HALLIBURTON WELD-A-AL FILLED	1 EA		18.43	18.43
890.10802					
504-282	MIDDON-2 PREMIUM PLUS CEMENT	395 SK		16.48	6,190.00
504-043	CEMENT - PREMIUM	120 SK		15.34	1,840.80
507-645	HALAD-9	85 LB		9.75	828.75
508-002	POTASSIUM CHLORIDE	200 LB		.41	82.00
507-210	FLOCELE	84 LB		2.07	175.56
508-291	GILSONITE	1200 LB		.58	696.00

RECEIVED  
STATE COMMISSION  
NOV 20 1998

*Scott*  
33110

\*\*\*\*\* 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



REMIT TO:  
P.O. BOX 751044  
DALLAS, TX 75395-1044  
Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
15-175-21712 196677	03/08/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
CCUNING A#3		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
LIBERAL				SHOWN BELOW	
ACCT. NO.		CUSTOMER AGENT		VENDOR NO.	
659167		JAKE SLATTEN		E-26	
CUSTOMER P.O. NUMBER		SHIPPED VIA		FILE NO.	
		COMPANY TRUCK		C8547	
				TICKET DATE	
				03/08/1996	

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

DIRECT CORRESPONDENCE TO:  
P O BOX 1598  
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
07-406	ANHYDROUS CALCIUM CHLORIDE	7	SK	45.90	320.30
508-095	VERSASET	102	LB	4.10	448.80
500-207	BULK SERVICE CHARGE	516	CFT	1.66	856.56
500-306	WLEACE CNTO MAT DEL OR RETURN	669.97	THI	1.25	837.46
JOB PURPOSE SUBTOTAL					23,551.11
INVOICE SUBTOTAL					33,551.11
DISCOUNT (BID)					8,616.03
INVOICE BID AMOUNT					14,935.08
*--KANSAS STATE SALES TAX					347.72
*--LIBERAL CITY SALES TAX					111.79
*--SEWARD COUNTY SALES TAX					167.68
<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>					<b>\$15,762.27</b>

RECEIVED  
STATE CORPORATION COMMISSION  
NOV 20 1996  
CONSERVATION DIVISION  
WICHITA, KANSAS

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 twelfth 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.

# ORIGINAL



## HALLIBURTON

### HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO  
*Oxy USA Inc*

ADDRESS

CITY, STATE, ZIP CODE

ORIGINAL - DUPLICATE COPY TICKET

No. 196637 - 1

15-175-21712

PAGE 1 OF 3

SERVICE LOCATIONS 1. <i>Liberal Ks 025540</i>	WELL/PROJECT NO <i>A-#3</i>	LEASE <i>Downing</i>	COUNTY/PARISH <i>Seward</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION	DATE <i>3-8-98</i>	OWNER <i>Same</i>
2. <i>Angelen Ks 025525</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Cheyenne Drly</i>	RIG NAME/NO <i>#3</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>Well Site</i>	ORDER NO
3.	WELL TYPE	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>035</i>	WELL PERMIT NO <i>15-17521712000</i>	WELL LOCATION <i>9-32<sup>5</sup>-34"</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117				41	MILEAGE on RT		50			3.45	182.50
000-119					Crew Mileage		50			2.15	107.50
007-013	001-016				Pump Service 1" Stage		6282	ft		2634.00	2634.00
007-161					Pump Service 2" Stage		1	ea		1875.00	1875.00
018-317				41	Super Flush		10	ea		112.00	1120.00
26	847-6318			32	Insert Float Valve Shoe		1	ea	5 1/2 in	416.00	416.00
27	815-19311			32	Fill up Unit		1	ea		87.00	87.00
40	806-60022			32	Centralizers - 5-4		120	ea	5 1/2 in	70.00	840.00
71	813-56325			17	PES Multiple Stage Cntr.		1	ea	5 1/2 in	2884.00	2884.00
75	813-16511			17	Latch Down Plug Set		1	ea	5 1/2 in	841.00	841.00
66	806-70736			32	Limit Clamp		11	ea	5 1/2 in	17.65	17.65

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

DATE SIGNED *3-8-98* TIME SIGNED *19:00*

A.M.  P.M.

do not require IPC (Instrument Protection),  Not offered

SUB SURFACE SAFETY VALVE WAS  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK DEPTH

BEAN SIZE SPACERS

TYPE OF EQUALIZING SOL. CASING PRESSURE

TUBING SIZE TUBING PRESSURE WELL DEPTH

TREE CONNECTION TYPE VALVE

SURVEY

AGREE UN DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL *11003.65*

FROM CONTINUATION PAGE(S) *1254746*

*23551.11*

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE *14935.00*

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) *Same Staff* CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) *[Signature]* HALLIBURTON OPERATOR/ENGINEER *John E Becker* EMP # *43222* HALLIBURTON APPROVAL *[Signature]*



ORIGINAL  
15-175-21712



# Halliburton Energy Services

REGULATORY  
STATE CORPORATION COMMISSION  
NOV 20 1998  
CONSERVATION DIVISION  
Wichita, Kansas

DATE:03-08-1998      TIME:14:00:58      SERVICE TICKET: 196637  
HUGOTON-25535      BULK TICKET ONLY: 801023

JOB PURPOSE:LONG STRING  
COMPANY TRUCK::75817      DRIVER: S.Grant E.Chance

CUSTOMER: OXY USA INC.      LEASE & WELL#:Downing A 3

504-282	MIDCON CEMENT PREMIUM PLUS	335	SKS.	18.48	6190.80
504-043	PREMIUM CEMENT	120	SKS.	15.34	1840.80
507-665	HALAD-9	85	LBS.	9.75	828.75
508-002	KCL	200	LBS.	0.41	82.00
507-210	FLOCELE	84	LBS.	2.09	175.56
508-291	GILSONITE	1200	LBS.	0.58	696.00
509-406	CALCIUM CHLORIDE	7	SKS.	46.90	328.30
508-095	VERSASET	102	LBS.	4.40	448.80
500-207	SERVICE CHARGES	516	CU FT	1.66	856.56
				TOTAL	11447.57
500-306	WEIGHT: 46205	MILES: 29	TON MILES: 669.97	1.25	837.46
			TOTAL BOOK PRICE OF BULK TICKET:		\$12285.03

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

500-306 WEIGHT: \_\_\_\_\_ RETURN MILES: 29 TON MILES: \_\_\_\_\_ 1.25





JOB LOG 4239-5

ORIGINAL

TICKET #	196637	TICKET DATE	2-8-98
REGION	North America	BDA / STATE	MidCont KS
NWA/COUNTRY	MidCont USA	PSL DEPARTMENT	Cement
EMPLOYEE NAME	John E Becker	CUSTOMER REP / PHONE	15-175217120006
LOCATION	Liberal KS	AP / UWI #	035
TICKET AMOUNT	22,431.11	DEPARTMENT	5001
WELL LOCATION	Nw Liberal KS	SEC / TWP / RNG	9-32S-34W
LEASE / WELL #	Downing A-3		

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	J Becker 42282	D McNamee 93601		
	S Raines 43377	B Tomlinson 11832		
	S Green 44639	D Hamilton 62016		
	E Thompson 49692			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	11:45							Called Out
	12:15							On Dec - Spot & Set up Equip - Discuss Job - Safety Meeting
	20:45							Start 5 1/2" x 14" Csg in Hole
								1 Insert Float Valve Shoe 7/8" Fill-up
								1 L D Baffle
								12 Centralizers - MFS, Collars 1-3 S-7-9-11 139159 769 78 + 144
								2 Cement Brackets on 77 + 145
								1 MSC on 77 @ 2994' (SN 44952)
	00:35							Csg on Bottom @ 6282' - Hook up PC & Mani. Sold
	02:45							Break Circ 7 Rig Pump - 7 BPM @ 400' locked up When starting to Pick up water also Engine Dial Call for Mech - Call for another Power Hook up to PT - Mix 10 BBL Super Fluid
	05:02							100 Start Pump 5 BBL FW Spacer
	05:03							475 Spacer in - Start Pump Super Fluid (10 BBL)
	05:05							550 Super Fluid in - Start 5 BBL FW Spacer
	05:06							600 Spacer in
	05:08							300 Start Pump Cement - 120sk Prem 7/8" H-9, 3" Kch, 10" Cils, 2" Kch
	05:18							400 Finish Pump Cement - Wash out Pump skins, Release L D Plug
	05:23							100 Start Displ - (10 BBL FW + 82 1/2 BBL Mud) - Pump 1800 feet 5/8"
	05:53							425 Finish Displ
	05:54							1500 Plug headed
	05:55							0 Release Pres - Drop From Fall Plug
	06:22							200 Open DV - Rig Circ 4 Hr
	10:50							100 Start Pump 5 BBL FW Spacer
	10:51							200 Spacer in - Plug Ret Hole 7/8" Kch, 9" Mani. Hd. 7/10" Kch
	11:01							300 Start Pump Prem 210sk MidCon PP 7/8" C, 1/2" Floe @ 11' 100sk MidCon PP 7/8" C, 1/2" Floe @ 12'
	11:28							250 Finish Pump Prem Wash out Pump skins - Release Plug Plug
	11:32							200 Start Displ
	10:50							050 Finish Displ
	11:50							2000 DV Close L
	11:51							0 Release Pres - OK Wash up - Back up Job Complete

Thank You