

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: N/A

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 \_\_\_\_\_ PBDT \_\_\_\_\_

Commingled    Docket No. \_\_\_\_\_

Dual Completion    Docket No. \_\_\_\_\_

Other (SWD or Inj?)    Docket No. \_\_\_\_\_

1/22/98    2/2/98    4/30/98

Spud Date    Date Reached TD    Completion Date

API NO. 15- 175-21701-00-00

County Seward

\_\_\_\_ - SW - NW - NE Sec. 28 Twp. 32S Rge. 34  E  W

4530 FSL    Feet from S (circle one) Line of Section

2480 FEL    Feet from E (circle one) Line of Section

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

Lease Name HITCH S    Well # 2

Shuck

Producing Formation \_\_\_\_\_

Elevation: Ground 2913    KB 2923

Total Depth 6334    PBDT 6327

Amount of Surface Pipe Set and Cemented at 1731 Feet

Multiple Stage Cementing Collar Used?  Yes     No

If yes, show depth set 3022 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AH-1, 9-14-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 1200 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 9/1/98

Subscribed and sworn to before me this 1st day of September, 1998.

Notary Public Mary P. Trimble

Date 9/16/99 Expires \_\_\_\_\_  
Mary P. Trimble  
 Notary Public, State of Texas  
 My Commission Expires:  
 February 6, 1999

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)

SIDE TWO

Operator Name OXY U.S.A. Inc. Lease Name HITCH S Well # 2  
 East County SEWARD  
 Sec. 28 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	4166	-1239
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	4302	-1375
List All E.Logs Run:		Cherokee	5174	-2247
Induction GR		Lower Chester	6106	-3179
Compensated Neutron		St. Gen	6266	-3339
Digital Acoustilog				
BHC Acoustilog				

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	1731	Class A	495	3% CC
Production	7 7/8"	5 1/2"	15.5	6334	Class A	740	2% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
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	6194-6196; CIPB @6190	Dumped 1sx cement on top of CIBP	6190
4	6138-6146; 6114-6138;	Acidize w/3000 gal. 7.5% HCL	
	Set cmt. retainer @6135	Pumped 50sx cl. H cmt.	
4	6114-6118	Acidize w/500 gal. 7.5% HCL	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	N/A			

Date of First, Resumed Production, SWD or Inj.	Producing Method
N/A	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil TA'ed	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	0		0		0		0	0

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) \_\_\_\_\_

# TRILOBITE TESTING L.L.C.

15-175-21701

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

# ORIGINAL

No. 9863

Well Name & No. Hitch 'S' #2 Test No. #1 Date 1-30-98  
 Company Oxy USA Inc. Zone Tested Lower Morrow  
 Address Tulsa Okl. Elevation 2927 KB 2904 GL  
 Co. Rep / Geo. Tom Heflin Cont. Chymekig #17 Est. Ft. of Pay 12 Por. 12-14%  
 Location: Sec. 28 Twp. 32S Rge. 34W Co. Seward State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 5777-5803 Initial Str Wt./Lbs. 119000 Unseated Str Wt./Lbs. 110,000  
 Anchor Length 26' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 140000  
 Top Packer Depth 5772 Tool Weight 1,800  
 Bottom Packer Depth 5777 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X  
 Total Depth 5803 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 710'  
 Mud Wt. 9.0 LCM 3 Vis. 50 WL 8.9 Drill Pipe Size 4 1/2 X-0 Ft. Run 5063'  
 Blow Description Weak surface blow thought

2nd. opening weak surface blow for 10 min then NO blow

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>5</u>	<u>Only mud.</u>	<u>5</u>				<u>100%</u>	
Rec. _____ Feet Of _____				%gas	%oil	%water	%mud
Rec. _____ Feet Of _____				%gas	%oil	%water	%mud
Rec. _____ Feet Of _____				%gas	%oil	%water	%mud
Rec. _____ Feet Of _____				%gas	%oil	%water	%mud

BHT 128 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2962 3004 PSI Recorder No. 3227 T-Started 1:30 AM  
 (B) First Initial Flow Pressure 22 54 PSI (depth) 5779 T-Open 5:12 AM  
 (C) First Final Flow Pressure 25 65 PSI Recorder No. 10993 T-Pulled 8:12 AM  
 (D) Initial Shut-in Pressure 49 87 PSI (depth) 5799 T-Out 10:45 AM  
 (E) Second Initial Flow Pressure 18 54 PSI Recorder No. \_\_\_\_\_  
 (F) Second Final Flow Pressure 23 54 PSI (depth) \_\_\_\_\_  
 (G) Final Shut-in Pressure 36 65 PSI Initial Opening 30 min Test Conventional  
 (H) Final Hydrostatic Mud 2240 2845 PSI Initial Shut-in 60 min Jars ✓

A/Pin AK-1

Final Flow 30 min. Safety Joint ✓  
 Final Shut-in 60 min. Straddle \_\_\_\_\_  
 Circ. Sub ✓ N/C  
 Sampler ✓  
 Extra Packer \_\_\_\_\_  
 Elect. Rec. ✓  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Tom Heflin  
 Our Representative M.L. Heflin

RECORDED  
 6 1590  
 DIVISION  
 HAYS, KANSAS

SERVICE CENTER



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

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
294513	01/23/1998

WELL/LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
HITCH 5 2		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		CHEYENNE DRILLING	SHOWN BELOW		01/23/1998
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER PO NUMBER	SHIPPED VIA	FILE NO.
659167	MERRY DAVIS	E-26		COMPANY TRUCK	36310

DRY 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	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT SURFACE CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	44 MI		3.65	160.60
	DISCOUNT-(BID)	41.0 %			65.84
000-119	MILEAGE FOR CREW	44 MI		2.15	94.60
	DISCOUNT-(BID)	41.0 %			38.78
001-014	CEMENTING CASING	1734 FT		1,690.00	1,690.00
	DISCOUNT-(BID)	41.0 %			668.30
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8 IN		149.00	149.00
	DISCOUNT-(BID)	41.0 %			59.63
12A 025.217	GUIDE SHOE - 8 5/8" BRD THD.	1 EA		238.00	238.00
	DISCOUNT-(BID)	32.0 %			76.16
24A 015.19502	INSERT FLOAT VALVE - 8 5/8" BRD	1 EA		207.00	207.00
	DISCOUNT-(BID)	32.0 %			66.24
27 013.19413	FILL-UP UNIT 7" - 8 5/8"	1 EA		81.00	81.00
	DISCOUNT-(BID)	32.0 %			25.92
41 006.61048	CENTRALIZER - 8-3/8 X 12-1/4	4 EA		71.40	285.60

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

MPLEX JOB TRK

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.

SE CENTER



HALLIBURTON ENERGY SERVICES, INC.

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

INVOICE

INVOICE NO.	DATE
234513	01/23/1998

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
ITCH 8 2	SEWARD	KS	SAFE
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	CHEYENNE DRILLING	SHOWN BELOW	01/23/1998
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
59167	JERRY DAVIS	E-26	
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			26310

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	UOM	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)	32.0	%		91.39-
420 806.71460	BASKET-CMT-8 5/8 CSO X 21"-SLP	1	EA	145.00	145.00
	DISCOUNT-(BID)	32.0	%		45.72-
350 890.10802	HALLIBURTON WELD-A-AL FILLED	1	EA	18.43	18.43
	DISCOUNT-(BID)	32.0	%		5.89-
301-018	CEMENTING CASING - ADD HRS	4	HR	376.00	1,504.00
	DISCOUNT-(BID)	41.0	%		616.64-
504-282	MIGCON-2 PREMIUM PLUS CEMENT	395	SK	18.48	7,114.80
	DISCOUNT-(BID)	41.0	%		2,917.06-
504-050	CEMENT - PREMIUM PLUS	100	SK	15.69	1,569.00
	DISCOUNT-(BID)	41.0	%		643.29-
507-210	FLOCELE	218	LB	2.09	453.62
	DISCOUNT-(BID)	41.0	%		186.80
509-406	ANHYDROUS CALCIUM CHLORIDE	13	SK	46.90	609.70
	DISCOUNT-(BID)	41.0	%		249.97-
500-207	BULK SERVICE CHARGE	542	CFT	1.66	906.32
	DISCOUNT-(BID)	41.0	%		371.60-
500-306	MILEAGE CHRG MAT DEL OR RETURN	379.31	TMI	1.25	474.14
	DISCOUNT-(BID)	41.0	%		196.09-

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

APPX 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

ICE CENTER

INVOICE



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO:  
P.O. BOX 931046  
DALLAS, TX 75395-1046  
Corporate FIN 73-0271280

INVOICE NO.	DATE
234513	01/29/1998

WELL LEASE NO./PROJECT	WELL PROJECT LOCATION	STATE	OWNER		
ITCH 5-2	SEWARD	KS	GAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	CHEYENNE DRILLING	SHOWN BELOW	01/29/1998		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
59167	JERRY DAVIS	E-26		COMPANY TRUCK	26310

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

ORIGINAL

DIRECT CORRESPONDENCE TO:  
P O BOX 1578  
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	JOB PURPOSE SUBTOTAL				15,887.85
	INVOICE SUBTOTAL				15,887.85
	DISCOUNT-(BID)				6,426.12-
	INVOICE BID AMOUNT				9,461.73
	*-KANSAS STATE SALES TAX				345.64
	*-LIBERAL CITY SALES TAX				74.63
	*-SEWARD COUNTY SALES TAX				111.93
	<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>				<b>\$10,013.95</b>

Handwritten notes and stamps, including "SEP - 8 1998" and "LIBERAL, KANSAS".

FIX 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



HALLIBURTON ENERGY SERVICES

1906-0

CHARGE TO:  
**Oxy USA Inc.**  
 ADDRESS:  
**P.O. Box 2528**  
 CITY, STATE, ZIP CODE:  
**Liberi ks. 67905**

TICKET No. **234513**

PAGE 1 OF 2

SERVICE LOCATIONS 1. <b>025540</b>	WELL/PROJECT NO. <b>2</b>	LEASE <b>Hitch. S</b>	COUNTY/PARISH <b>Seward.</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION <b>Liberi</b>	DATE <b>1-23-98</b>	OWNER <b>Sgme</b>
2. <b>025535</b>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>Cheyenne</b>	RIG NAME/NO. <b>7</b>	SHIPPED VIA <b>Howco</b>	DELIVERED TO <b>Location.</b>	ORDER NO.
3.	WELL TYPE <b>02</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>010</b>	WELL PERMIT NO. <b>1517521701000</b>	WELL LOCATION <b>Land.</b>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
			LOC	ACCT	DF							
	000-117		1		41	MILEAGE	44	mi			3.65	160.60
	000-119		1		3	CREW MILEAGE	44	mi			2.15	94.60
	001-016		1			PUMP CHOICE	1.734	fl	6	hr		1630.00
	030-018		1		41	5W TOP PICK	1	Eq	8.5	hr		143.00
	12A	825.217	1		32	Guide shoe						238.00
	24A	815.19502	1		32	Insert						207.00
	27	815.19415	1		32	Fill						81.00
	41	806.61048	1		32	CMT.	4	Eq			71.40	285.60
	320	806.71460	1		32	CMT Basket	1	Eq				146.00
	350	890.10802	1		32	weld A						18.43
	001-018		1		41	ADDITIONAL hrs.	4	hrs	Eq	hr	376.00	1504.00

ORIGINAL

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions of the contract which include, but are not limited to: PAYMENT, DELIVERY, LIABILITY, and WARRANTY provisions.	TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL <b>4508</b>
DATE SIGNED: <b>Jerry Davis</b> TIME SIGNED: <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	BEAN SIZE	TYPE OF EQUALIZING SUB. CASING PRESSURE		FROM CONTINUATION PAGE(S) <b>11379</b>
	DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH
<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 <b>9461.73</b>

**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) <b>Jerry DAVIS</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>x Jerry Davis</b>	HALLIBURTON OPERATOR/ENGINEER <b>Joe Davis</b>	EMP # <b>F4550</b>	HALLIBURTON APPROVAL <b>Orville Anderson</b>
---	--	---	-----------------------	---







**JOB SUMMARY** 4239-1

REGION <b>North America</b>	NWA/COUNTRY <b>USA</b>	TICKET # <b>234513</b>	TICKET DATE <b>1-23-98</b>
MBU ID / EMP # <b>L20103 F-4550</b>	EMPLOYEE NAME <b>DICE Davis</b>	BOA / STATE <b>KS</b>	COUNTY <b>USA Seward</b>
LOCATION <b>Liberal, KS</b>	COMPANY <b>HES</b>	PSL DEPARTMENT <b>Cement</b>	CUSTOMER REP / PHONE <b>Jake Slatten</b>
TICKET AMOUNT <b>15887.85</b>	WELL TYPE <b>01</b>	API / UWI # <b>15175217010000</b>	JOB PURPOSE CODE <b>010</b>
WELL LOCATION <b>E. Land</b>	DEPARTMENT <b>Cement</b>		
LEASE / WELL # <b>Hitch 5</b>	SEC / TWP / RNG <b>28 / 32S / 34W</b>		

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS
Brian McTigue H-2308			
Stan Tolford H-4817			
Dennis Corponing H-2441			

**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
54038-75374	44						
52920-75817	24						
50502-6612	24						

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 8 5/8	1	H
Float Shoe F111	1	
Guide Shoe KCB	1	0
Centralizers J4	4	
Bottom Plug		W
Top Plug 5W	1	
Head PC	1	C
Packer		
Other Basket	1	0

**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		

DATE	1-23-98	1-23-98	1-24-98	1-24-98
TIME	1545 Hrs	1830 Hrs	0330 Hrs	

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24	8 5/8	KB	1734	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				CMAT 8 5/8 S.P
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

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

**AVERAGE RATES IN BPM**

TREATED \_\_\_\_\_ Disp. \_\_\_\_\_ Overall \_\_\_\_\_

**CEMENT LEFT IN PIPE**

FEET 41 Reason S.J

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	385	PFMC	B	370cc 1/2" F10	3.22	11.1
1	100	PF	B	275cc 1/4" F10	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 107.6
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr _____ Gal - BBI 221.6	23.3
		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 #	234513	TICKET DATE	1-23-98
BOA / STATE	KS	COUNTY	Seward
PSL DEPARTMENT	ZI		
CUSTOMER REP / PHONE	Take Skatten		
API / UWI #	1517521701000		
JOB PURPOSE CODE			

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	46103 F4550	EMPLOYEE NAME	TYCC Davis
LOCATION	Liberal KS	COMPANY	
TICKET AMOUNT	15887.85	WELL TYPE	
WELL LOCATION	Land	DEPARTMENT	
LEASE / WELL #	Hitch 5	SEC / TWP / RNG	28-32S/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
Brian McIntyre # 2308			
Stan Telford # 4817			
Dennis Carpenter # 2441			
TYCC Davis F4550			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbq	Csg	
	1545							Called out for job.
	1830							on loc kit. circ. on bot at 1735F!
	1900							Start JB DP.
	1045							out of hole w/DP. R.H. w/ logs.
	1100							297
	0045							out of hole w/logs. pick up covers.
	0100							Start 8" H. CSB & F.E.
	0304							CSB on bot. Hook up 8" F. P.C. & wire iron.
	0314							bot circ. w/129.
	0324							circ. to pit
	0329							Thru circ. Hook iron to pit.
	0333	6.5	221			200		PUMP 385JX P.F.M. AT 11.1" 1891
	0411	6.0	23.5			100		PUMP 100JX P.F. AT 14.2" 1891
	0414	0	24.5			0		Shut down OMP. Plug.
	0415	6.0	107.6			100		PUMP DSP.
	0415	6.0	107.6			120		0.665 in cmt to pit
	0434	2.0	107.6			330		100 bbls in 510 rate.
	0437	2.0	107.6			1200		Land Plug.
	0438	0	107.6			1200		Release Plug - Held.
	0440	0	107.6			0		Job over
								10.7 bbls cmt to pit
								1875x cmt to pit
								Thanks for calling HES
								TYCC Brian & crew

ORIGINAL



HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
233612	02/03/1995

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
HITCH S 2	SEWARD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL		SHOWN BELOW	02/03/1995		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	MICKEY B. COBB	E-26		COMPANY TRUCK	3696

*ORIGINAL*

OXY USA INC.  
P.O. BOX 252B  
LIBERAL, KS 67905-252B

DIRECT CORRESPONDENCE TO:  
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	41 MI		3.65	160.60
	DISCOUNT-(BID)	41.0 %			65.84-
000-119	MILEAGE FOR CREW	41 MI		2.15	94.60
	DISCOUNT-(BID)	41.0 %			38.78-
007-013	MULT STAGE CEMENTING-1ST STAGE	6939 FT		2,634.00	2,634.00
001-016	DISCOUNT-(BID)	41.0 %			1,079.94-
007-161	MULT STAGE CEMENTING-ADD STAGE	1 STG		1,875.00	1,875.00
	DISCOUNT-(BID)	41.0 %			768.75-
26	INSERT VALVE F. S. 5 1/2" 8RD	1 EA		416.00	416.00
847.6318	DISCOUNT-(BID)	32.0 %			133.12-
27	FILL-UP UNIT 5 1/2" 6 5/8"	1 EA		87.00	87.00
815.19315	DISCOUNT-(BID)	32.0 %			27.84-
40	CENTRALIZER-5-1/2 X 7-7/8	12 EA		70.00	840.00
806.60022	DISCOUNT-(BID)	32.0 %			268.80-
71	CEMENTER-TYPE P EG 5-1/2 8RD	1 EA		2,884.00	2,884.00
813.56325					

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

CUSTOMER COPY



INVOICE

HALLIBURTON ENERGY SERVICES, INC.

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

INVOICE NO.	DATE
233612	02/03/1998

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
CH 9 2	SEWARD	KS	GAME		
SERVICE LOCATION	CONTRACT NO.	JOB PURPOSE	TICKET DATE		
ERAL		SHOWN BELOW	02/03/1998		
LT. NO.	CUSTOMER AGENCY	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
167	MICKEY B. COBB	E-26		COMPANY TRUCK	36969

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 PRICE	AMOUNT
	DISCOUNT-(BID)	17.0 %		490.28-
3.14511	PLUG SET - FREE FALL - 5-1/2 B	1 EA	840.00	840.00 *
	DISCOUNT-(BID)	17.0 %		142.80-
6.72730	CLAMP-LIMIT-5 1/2-FRICT-W/DCGS	1 EA	17.65	17.65 *
	DISCOUNT-(BID)	32.0 %		5.64-
6.71490	BASKET-CMT-5 1/2 CSØ X 17"ØØ-	2 EA	122.00	244.00 *
	DISCOUNT-(BID)	32.0 %		78.08-
0.10802	HALLIBURTON WELD-A-AL FILLED	1 EA	18.43	18.43 *
	DISCOUNT-(BID)	32.0 %		5.89-
-315	MUD FLUSH	1000 GAL	.83	830.00
	DISCOUNT-(BID)	41.0 %		340.30-
-203	MULT STAGE CEMENTING-ADD HRS	2 HR	315.00	630.00
	DISCOUNT-(BID)	41.0 %		258.30-
-282	MIDCON-2 PREMIUM PLUS CEMENT	765 SK	18.48	14,137.20 *
	DISCOUNT-(BID)	41.0 %		5,796.25-
-210	FLOCELE	192 LB	2.09	401.28 *
	DISCOUNT-(BID)	41.0 %		164.52-
404	ANHYDROUS CALCIUM CHLORIDE	11 SK	46.90	515.90 *

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

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 business 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 costs.



HALLIBURTON

HALLIBURTON ENERGY SERVICES

1906-D

CHARGE TO: Oxy USA Inc  
 ADDRESS: P.O. Box 2528  
 CITY, STATE, ZIP CODE: Liberal, Ks 67905

ORIGINAL - DUNCAH COPY

TICKET

No.

233612 - 5

PAGE 1 OF 2

1. <u>Liberal</u>	WELL/PROJECT NO. <u>2</u>	LEASE <u>Hitch S</u>	COUNTY/PARISH <u>Seward</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>2-3-98</u>	OWNER <u>same</u>
2. <u>Hugateo</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Cheyenne</u>	RIG NAME/NO. <u>#7</u>	DELIVERED TO <u>wellsite</u>	ORDER NO.	
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO. <u>15175 217010000</u>	WELL LOCATION <u>28-32-34W</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
			LOC	ACCT	OF			U/M			
	000-117		1		41	MILEAGE	44	mi		3.65	160.60
	000-119		1			crew mileage	44	mi		2.15	94.60
	007-013	001-016	1			pump chg MSC 1st stage	633	ft	1 unit	2634.00	2634.00
	007-161		1			add stage 2nd stage	304	ft	1 unit	1875.00	1875.00
	26	847,6318	1	ORIGINAL	32	Insert ftt shoe 5 1/2"	1	ea		416.00	416.00
	27	815,19315	1	ORIGINAL		fillup assbly	1	ea		87.00	87.00
	40	806,60022	1	ORIGINAL		Centralizers 5 1/2 x 7 1/8"	12	ea		70.00	840.00
	71	813,56325	1	ORIGINAL	17	P-E MSC 5 1/2"	1	ea		2884.00	2884.00
	75	813,16514	1	ORIGINAL	17	Latch Down Plug set	1	ea		840.00	840.00
	66	806,72730	1	ORIGINAL	32	fasgrip	1	ea		17.65	1165
	320	806,71430	1		32	Basket	2	ea		122.00	244.00
	350	890,10802	1		32	Weld-A	1	lb		18.43	18.43
	018-315		1		41	Mud flush	1000	gal		.83	830.00
	007-203		1			Add. hrs M.S.C.	2	hrs		315.00	630.00

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.

x Mickey B Cobb  
 DATE SIGNED: 2-3-98 TIME SIGNED: 0900  A.M.  P.M.  
 do  do not require IPC (Instrument Protection).  Not offered

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS:		PAGE TOTAL
BEAN SIZE	<input type="checkbox"/> PULLED & RETURN	<input type="checkbox"/> PULLED <input type="checkbox"/> RUN	11571.28
DEPTH	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S)
SPACERS	TUBING SIZE	TUBING PRESSURE	20680.191
	TREE CONNECTION	TYPE VALVE	32252.119
			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
			20068.00

**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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
<u>Mickey B Cobb</u>	x <u>Mickey B Cobb</u>	<u>Nick Korbe</u>	<u>H3115</u>	<u>Larry Smith *</u>



HALLIBURTON

Halliburton Energy Services

ORIGINAL

DATE:02-03-1998 TIME:03:01:04 SERVICE TICKET: 233612

HUGOTON-25535 BULK TICKET ONLY: 800917

JOB PURPOSE:LONG STRING  
COMPANY TRUCK::6611 DRIVER: L.PATTERSON

CUSTOMER: OXY USA INC. LEASE & WELL#:Hitch S 2

504-282	MIDCON CEMENT PREMIUM PLUS	765	SKS.	18.48	14137.20
507-210	FLOCELE	192	LBS.	2.09	401.28
509-406	CALCIUM CHLORIDE	11	SKS.	46.90	515.90
507-778	HALAD-344	94	LBS.	32.89	3091.66
500-207	SERVICE CHARGES	841	CU FT	1.66	1396.06
				TOTAL	19542.10
500-306	WEIGHT: 75921	MILES: 24	TON MILES: 911.05	1.25	1138.81
			TOTAL BOOK PRICE OF BULK TICKET:		\$20680.91

4170

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

500-306 WEIGHT: \_\_\_\_\_ RETURN MILES: 24 TON MILES: \_\_\_\_\_ 1.25



JOB SI **IARY 4239-1**

TICKET #	<b>3612</b>	TICKET DATE	<b>2-3-98</b>
BOA / STATE	<b>Ks</b>	COUNTY	<b>Seward</b>
PSL DEPARTMENT	<b>cmt.</b>		
CUSTOMER REP / PHONE	<b>Jake Slatten</b>		
API / UWI #	<b>15175217010000</b>		
JOB PURPOSE CODE	<b>035</b>		

REGION	<b>North America</b>	NW/COUNTRY	<b>MidCont USA</b>
MBU ID / EMP #	<b>L 0101 H3115</b>	EMPLOYEE NAME	<b>Nick Korbe</b>
LOCATION	<b>Liberal</b>	COMPANY	<b>Oxy USA Inc</b>
TICKET AMOUNT	<b>31622.19</b>	WELL TYPE	<b>02</b>
WELL LOCATION	<b>13N 54W of Liberal</b>	DEPARTMENT	<b>cmt</b>
LEASE / WELL #	<b>Hitch S #2</b>	SEC / TWP / RNG	<b>28-32-34W</b>

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
<b>N. Korbe H3115</b>							
<b>G. Humphries H7692</b>							
<b>L. Patterson H8260</b>							
<b>S. Telford H9817</b>							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>420095</b>	<b>45</b>						
<b>52947/15496</b>	<b>45</b>						
<b>52823/6611</b>	<b>48</b>						
<b>50737/6612</b>	<b>48</b>						

**ORIGINAL**

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

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<b>2-3-98</b>	<b>2-3-98</b>	<b>2-3-98</b>	<b>2-3-98</b>
TIME	<b>0045</b>	<b>0300</b>	<b>1215</b>	<b>1930</b>

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar <b>Fill Tube</b>	<b>1</b>	
Float Shoe <b>insert 5 1/2</b>	<b>1</b>	
Guide Shoe		
Centralizers <b>S-4</b>	<b>12</b>	
Bottom Plug <b>P-ES MSC</b>	<b>1</b>	
Top Plug <b>L.D. Plug set</b>	<b>1</b>	
Head <b>Basket</b>	<b>2</b>	
Packer <b>fasgrip</b>	<b>1</b>	
Other		

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>15.5</b>	<b>5 1/2</b>	<b>0</b>	<b>6333'</b>	<b>1650</b>
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SPOTS/FT.
Perforations						
Perforations						
Perforations						

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

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>2-3-98</b>	<b>13 1/2 hrs</b>	<b>2-3-98</b>	<b>3 hrs</b>	<b>2 stage long string</b>
<b>TOTAL</b>	<b>13 1/2 hrs</b>	<b>TOTAL</b>	<b>3 hrs</b>	

ORDERED	HYDRAULIC HORSEPOWER	Used
	Avail.	
	AVERAGE RATES IN BPM	
	Disp.	Overall
	CEMENT LEFT IN PIPE	
	Reason	<b>shoe jt.</b>

CEMENT DATA						
STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
<b>1</b>	<b>205</b>	<b>MidCon P+</b>	<b>B</b>	<b>1% C.C. 1/2" floccle</b>	<b>3.22</b>	<b>11.1</b>
<b>1</b>	<b>200</b>	<b>"</b>	<b>"</b>	<b>1% C.C. 1/2" floccle 0.5% Halad 344</b>	<b>1.83</b>	<b>13.2</b>
<b>2</b>	<b>225</b>	<b>"</b>	<b>"</b>	<b>2% CC 1/2" floccle</b>	<b>3.22</b>	<b>11.1</b>
<b>2</b>	<b>110</b>	<b>"</b>	<b>"</b>	<b>2% CC 1/2" floccle</b>	<b>1.83</b>	<b>13.2</b>
<b>RTMAA</b>	<b>25</b>	<b>"</b>	<b>"</b>	<b>2% CC 1/2" floccle</b>	<b>1.54</b>	<b>14</b>

Circulating _____	Displacement _____	Preflush: Gal - <b>(BBI) 24 661</b>	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - <b>BBI</b>	Pad: <b>BBI</b> Gal
Average _____	Frac Gradient _____	Treatment Gal - <b>BBI</b>	Disp: <b>(BBI) Gal 222661</b>
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - <b>(BBI) 557 661</b>	
		Total Volume Gal - <b>BBI</b>	

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE SIGNATURE: **Melroy B. Cobb**



JOB LC 239-5

TICKET #	2 2612	TICKET DATE	2-3-98
BDA / STATE	Ks	COUNTY	Seward
PSL DEPARTMENT	cmt		
CUSTOMER REP / PHONE	Jake Slatten		
API / UWI #	15175217010000		
JOB PURPOSE CODE	035		

REGION	North America	NW/COUNTRY	MidCan USA
MBU ID / EMP #	L10101 H3115	EMPLOYEE NAME	Nick Korbe
LOCATION	Liberal	COMPANY	Oxy USA
TICKET AMOUNT	\$31622.19	WELL TYPE	02
WELL LOCATION	13N, S&W of Liberal	DEPARTMENT	CMT
LEASE / WELL #	Hitch 5 #2	SEC / TWP / RNG	28-32-34W

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			
L. Patterson H8760			
S. Telford H4817			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0045							called out
	0300							on loc
								rig laying down D.P.
								held safety mtg
								setup Trks
	0700							start F.E.
	1130							ccab 1,3,5,29,11,13,15,17,19, 76, 78
	1150							drop Ball Baskets 40, 77 D.V. on top 77 2014'
	1218	5	0			350		Break circ
	1223	5.5	24/0			200		start Mud Flush
	1240	7	117/0			175		start Lead cmt 205 sks 11.1 gal
	1350		65					start Tail cmt 200 sks 13.2 gal
	1300	7	0			100		release 1st stage top plug / washup Trk
	1315	5	78/0			250		start disp wtr
	1328		72			93/500		start disp mud
	1330							Bump plug
	1335							release pres HIT held
	1345					750		drop Free Fall opening plug
								open MSC
								cira 4 hrs
	1745							2nd stage Plug RH & MH
	1813	5	0			75		start Lead cmt 225 sks 11.1 gal
	1839	5	129/0			100		start Tail cmt 110 sks 13.2 gal
	1850		39					release top closing plug / washup Trk
	1852	5	0			50		start disp
	1909	2	72			650		Bump plug
	1910					1650		close MSC
	1912							release pres
	1930							washup Trk
	2000							rackup Trk
								Job complete
								Thank you
								Nick, Gary, Lou,