

COPY

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

Operator: License # 5447

Name: OXY USA Inc.

Address P.O. Box 26100

City/State/Zip Oklahoma City, OK 73126-0100

Purchaser: Northern Natural

Operator Contact Person: Jerry Ledlow

Phone (405) 749-2309

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: \_\_\_\_\_

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:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

5/11/95 5/14/95 8/4/95  
Spud Date Date Reached TD Completion Date

API NO. 175-21467-0000

County Seward

NE NE-SE -SW Sec. 19 Twn. 32S Rge. 34 E X W

1250 Feet from S/ (circle one) Line of Section

2880 Feet from E/ (circle one) Line of Section

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

Lease Name Marteney B Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2967 KB 2978

Total Depth 2830 PBTD 2756

Amount of Surface Pipe Set and Cemented at 645 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from TD

feet depth to SURFACE w/ 425 sx cmt.

Drilling Fluid Management Plan ALT II 6-12-96 SK  
(Data must be collected from the Reserve Pit)

Chloride content 3200 ppm Fluid volume 750 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name RELEASED

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter NOV 1 1996 Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County FROM CONFIDENTIAL

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 [Signature]

Title Staff Analyst Date 8/24/95

Subscribed and sworn to before me this 24<sup>th</sup> day of August, 19 95.

Notary Public [Signature]

Date Commission Expires 5-2-98

RECEIVED  
STATE CORPORATION COMMISSION  
K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Geologist Report Received  
DISTRIBUTION  
KCC \_\_\_\_\_ SWD/REP \_\_\_\_\_ NGPA  
KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_  
(Specify)

Operator Name OXY USA Inc.

Lease Name Martenev B Well # 2

East

County Seward

Sec. 19 Twp. 32S Rge. 34  West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving intervals 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.)

Log Formation (Top), Depth and Datums  Sample

Samples Sent to Geological Survey  Yes  No

Name	Top	Datum
Hollenberg	2618	358
Herington	2644	332
Krider	2678	298
Winfield	2724	252

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run:  
Dual Spaced Neutron Gamma Colar Log

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	645	Midcon 3	265	
Production	7 7/8"	5 1/2"	14	2827	Midcon	425	

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specified Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Materials Used)	Depth
2	2618-24, 2648-54, 2680-86	Acidize w/ 2000 gal 7.5 % HCL	
		Frac w/ 40,403 gal gel wtr.,	
		121,100 sks 10/20 sand.	

TUBING RECORD	Size 2 3/8"	Set At 2699	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 7/5/95	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas 580 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: METHOD OF COMPLETION

Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

Open Hole  Perf.  Dually Comp.  Commingled

Other (Specify)

Production Interval 2618-2686

CUSTOMER COPY

REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046



HALLIBURTON

ORIGINAL

INVOICE

INVOICE NO.	DATE
707426	05/12/1995

WELL LEASE NO./PROJECT MARTENEY B 2		WELL/PROJECT LOCATION SEWARD		STATE KS	OWNER SAME
SERVICE LOCATION LIBERAL		CONTRACTOR CHEYENNE	JOB PURPOSE CEMENT SURFACE CASING		TICKET DATE 05/12/1995
ACCT. NO. 559167	CUSTOMER AGENT TOM HARMON	VENDOR NO. E-26	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 90467

OXY USA INC.  
REGIONAL OFFICE  
ATT: G. I. MCFARLAND  
PO BOX 26100  
OKLAHOMA CITY, OK 73126-0100

**CONFIDENTIAL**

DIRECT CORRESPONDENCE TO:  
2 P.O. BOX 1598006  
LIBERAL, KS 67905-0000

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	44 MI		2.75	121.00
		1 UNT			
001-016	CEMENTING CASING	657 FT		690.00	890.00
		1 UNT			
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8 IN		130.00	130.00
		1 EA			
597	BAFFLE PLATE - 8 5/8" ALUM	1 EA		45.00	45.00
825.1269					
40	CENTRALIZER - 8-5/8 X 12-1/4	3 EA		65.00	195.00
806.61048					
320	CEMENT BASKET - 8 5/8	1 EA		108.00	108.00
806.71480					
350	HALLIBURTON WELD-A	1 EA		14.50	14.50
890.10802					
504-282	MIDCON-2 PREMIUM PLUS CEMENT	110 SK		15.51	1,783.65
504-050	CEMENT - PREMIUM PLUS	150 SK		11.19	1,678.50
509-406	ANHYDROUS CALCIUM CHLORIDE	6 SK		36.75	220.50
507-210	FLOCELE	96 LB		1.65	158.40
500-207	BULK SERVICE CHARGE	289 CFT		1.35	390.15
500-306	MILEAGE CMTG MAT DEL OR RETURN	285.13 TMI		.95	270.87

RELEASED

NOV 1 1996

FROM CONFIDENTIAL

INVOICE SUBTOTAL 6,005.57

DISCOUNT--(BID) *1% C.D. 40.5%*  
INVOICE BID AMOUNT 3,604.15

\*--KANSAS STATE SALES TAX  
\*--LIBERAL CITY SALES TAX  
\*--SEWARD COUNTY SALES TAX

RECEIVED  
STATE CORPORATION COMMISSION

AUG 28 1995

*9-1573410 x 2360.1/24  
By 5/24*

WICHITA, KANSAS

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$3,811.32

AFFIX JOB LKT

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.



JOB LOG HAL-2013-C

DATE 5-12-95 PAGE NO. 1

CUSTOMER OKY WELL NO. 2 LEASE MARTONEX B JOB TYPE 8 3/8 SURFACE TICKET NO. 707426

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	01:00							CALLED OUT READY NOW.
	02:45							ON LOC RIG DELTA
	03:10							T.D.
	04:10							START CS9 ORIGINAL
	05:45							CS9 ON BOTTOM
	06:00							CIRC w/ RIG
	06:10							WALK TO HALLIBURTON
	06:40	5.4	65.9				50	START LEAD
	06:52	5	22.5				50	START TRAIL
	06:59							SHUT DOWN
	07:00							DROP PLUG
	07:02	3	39.64				0	START DISPLACEMENT / WASH
	07:15						100	DID NOT LAND PLUG PUMPED 1 <sup>80%</sup> OVER SHUT DOWN
	07:16						100	CLOSE MANIFOLD
	07:16						0	RELEASE BACK
								RELEASED
								CIRCULATED TO PIV
								53 BBL'S
								92 SKS
								NOV 1 1996
								FROM CONFIDENTIAL
								THANK YOU FOR CALLING HALLIBURTON ROBERT & CREW
								RECEIVED STATE CORPORATIC
								ON LOC 4 HRS 31 MEN AUG 2 1995
								PUMP TIME 36 MEN



**WELL DATA**

FIELD \_\_\_\_\_ SEC. 19 TWP. 32 S RNG. 34 W COUNTY SEWARD STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 653

**JOB DATA**

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>2.4</u>	<u>8 5/8</u>	<u>K.B</u>	<u>653.38</u>
LINER					
TUBING					
OPEN HOLE		<u>12 1/4</u>	<u>G.L.</u>	<u>653</u>	SHOTS/FT.
PERFORATIONS					
PERFORATIONS					
PERFORATIONS					

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>ALUM BALLE</u>	<u>1</u>	<u>HOWCO</u>
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>SEALERS 500</u>	<u>3</u>	
BOTTOM PLUG		
TOP PLUG <u>S-WIDER</u>	<u>1</u>	
HEAD <u>O.C.P.C.</u>	<u>1</u>	
PACKER <u>CMT BASKET</u>	<u>1</u>	
OTHER <u>HOWCO WELD</u>	<u>1</u>	

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API \_\_\_\_\_

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>115'</u>		<u>MEDCON</u>	<u>PT</u>	<u>B</u>	<u>390 C.C., 1/2 #/SK Floccle</u>	<u>3.22</u>	<u>11.1</u>
<u>730'</u>		<u>PT</u>	<u>PT</u>	<u>B</u>	<u>290 C.C., 1/4 #/SK Floccle</u>	<u>1.32</u>	<u>14.8</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. 39.64

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY (BBL.)-GAL. 65.9 + 35.2

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS M.S.D.S. Given to Tom Harmon Tankish

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

**CONFIDENTIAL ORIGINAL**

NOV 1 1996

FROM CONFIDENTIAL

DEPARTMENT SGOL CMT  
DESCRIPTION OF JOB 8 5/8 SURFACE

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X Tom Harmon

HALLIBURTON OPERATOR ROBERT EDWOOD COPIES REQUESTED \_\_\_\_\_

CUSTOMER D & D

LEASE PLASTERED B

WELL NO. 2

JOB TYPE 8 5/8 SURFACE

DATE 5-18-95

CUSTOMER COPY

REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046



HALLIBURTON

CONFIDENTIAL

ORIGINAL

INVOICE

INVOICE NO.	DATE
707426	05/12/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
ARTIFNEY # 2		SEWARD		KS	SAFE
SERVICE LOCATION	CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL	CHRYENNE		CEMENT SURFACE CASING		05/12/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
92167	TCM MARKON	<u>F-26</u>		COMPANY TRUCK	90467

*D. Jones*

OXY USA INC.  
REGIONAL OFFICE  
ATT: G. L. MCFARLAND  
PO BOX 26100  
OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TO:  
*2 P 502288* 1598006  
LIBERAL, KS 67905-0000

*Nov 1/10 15 days*

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	44	MT	2.75	121.00
001-016	CEMENTING CASING	657	FT	590.00	890.00
000-018	CEMENTING PLUG SW, PLASTIC TOP	8	5/8 IN	130.00	130.00
397	BAFFLE PLATE - 8-5/8" ALUM	1	EA	45.00	45.00
825.1269					
30	CENTRALIZER - 8-5/8 X 12-1/4	3	EA	65.00	195.00
006.61048					
320	CEMENT BASKET - 8 5/8	1	EA	108.00	108.00
006.71360					
350	HALLIBURTON WELD-A	1	EA	14.50	14.50
090.10802					
504-282	MIDCON-2 PREMIUM PLUS CEMENT	115	SK	15.51	1,783.65
504-050	CEMENT - PREMIUM PLUS	150	SK	11.19	1,678.50
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	36.75	220.50
507-210	FLOCCEL	96	LB	1.65	158.40
500-207	BULK SERVICE CHARGE	287	CFT	1.35	390.15
500-006	MILEAGE CHRG MAT DEL OR RETURN	285.13	THI	.95	270.87

RELEASED  
NOV 1 1996

FROM CONFIDENTIAL

INVOICE SUBTOTAL

6,005.57

DISCOUNT-(BID)  
INVOICE BID AMOUNT

*Discount 1% CEIDED 40.5%*

2,401.42  
3,604.15

- \*-KANSAS STATE SALES TAX
- \*-LIBERAL CITY SALES TAX
- \*-SEWARD COUNTY SALES TAX

AUG 28 1995

147.13  
30.02  
30.02

*9-1573410 X 2360.1/724*  
*By 5/24*

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

\$3,811.02

CUSTOMER COPY

REMIT TO:  
P.O. BOX 751046  
DALLAS, TX 75395-1046



HALLIBURTON

INVOICE

CONFIDENTIAL ORIGINAL

INVOICE NO.	DATE
706993	05/14/1995

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
ARTENEY 8 2	SEWARD	KS	GAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	CHEYENNE	CEMENT PRODUCTION CASING	05/14/1995		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
59167	TOM HARMON	E-26		COMPANY TRUCK	90393

OXY USA INC.  
REGIONAL OFFICE  
ATT: G. I. MCFARLAND  
PO BOX 26100  
OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TO:  
P.O. BOX 1598  
LIBERAL, KS 67905-0000

*Series 14-15 da.*

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)			40.5% CC.	4,372.95-
	INVOICE BID AMOUNT			1 1/2 cdtl C.D. line	6,590.50
	*-KANSAS STATE SALES TAX				262.13
	*-LIBERAL CITY SALES TAX				53.50
	*-SEWARD COUNTY SALES TAX				53.50
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$6,959.63

*9-1573410 X 2360.1/724*  
*Ag 5/24*

RELEASED

NOV 1 1996

FROM CONFIDENTIAL

*B. Jones*

*2 5-24-95 006*  
*SD* *Ag*

CUSTOMER COPY

INVOICE



HALLIBURTON

CONFIDENTIAL ORIGINAL

REMIT TO: P.O. BOX 1593 DALLAS, TX 75205-1044

INVOICE NO.	DATE
706993	05/14/1995

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
ARTENEY 0 2	SEWARD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	CHEYENNE	CEMENT PRODUCTION CASING	05/14/1995		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
59167	TOM HARMON	E-26		COMPANY TRUCK	90395

OXY USA INC.  
 REGIONAL OFFICE  
 ATT: G. I. MCFARLAND  
 PO BOX 26100  
 OKLAHOMA CITY, OK 73126-0100

RELEASED  
 NOV 1 1996

DIRECT CORRESPONDENCE TO:  
 P.O. BOX 1593  
 LIBERAL, KS 67905-0000

FROM CONFIDENTIAL

*Series 14-15 da.*

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	1	UNT	121.00	121.00
001-016	CEMENTING CASING	2830	FT	1,455.00	1,455.00
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5	1/2 IN	65.00	65.00
2A	GUIDE SHOE - 5 1/2" BRD THD.	1	EA	121.00	121.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" BRD	1	EA	110.00	110.00
815.19251					
40	CENTRALIZER - 5-1/2 X 7-7/8	10	EA	40.00	400.00
806.61022					
320	CANVAS CEMENT BASKET	1	EA	90.00	90.00
806.71430					
350	HALLIBURTON WELD-A	1	EA	14.50	14.50
890.10802					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00
815.19311					
504-282	MIDCON-2 PREMIUM PLUS CEMENT	425	SK	15.51	6,591.75
509-406	ANHYDROUS CALCIUM CHLORIDE	8	SK	36.75	294.00
507-210	FLOCELE	41	LB	1.65	67.65
314-163	CLAYFIX II	3	GAL	28.00	84.00
218-517	SSO-21M	3	GAL	27.50	82.50
313-396	BE-6	1	LB	70.00	70.00
018-315	MUD FLUSH	420	GAL	.65	273.00
500-207	BULK SERVICE CHARGE	465	CFT	1.35	627.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	1	MI	.95	441.30
INVOICE SUBTOTAL					10,963.45

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

FFIX 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



CUSTOMER COPY



HALLIBURTON

CONFIDENTIAL

ORIGINAL

REMIT TO:

INVOICE NO.	DATE
711993	10/14/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
		TOMARCO		KS	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
TOMARCO		CHOCYEN-AT	CEMENTING & PRODUCTION		10/14/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
09147	TOM HARRIN	5-26		FEDERAL EXPRESS	90895

ORX USA INC.  
REGIONAL OFFICE  
ATTN: D. L. MCFARLAND  
PO BOX 26100  
OKLAHOMA CITY, OK 73126-0100

RELEASED

NOV 1 1996

DIRECT CORRESPONDENCE TO:  
P.O. BOX 1090  
LIBERAL, KS 67903-0000

FROM CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	1.44	NTL	77.25	121.00
301-016	CEMENTING CASING	2830	FT	1.455	1,455.00
030-018	CEMENTING PLUG SW, PLASTIC TOP	3	1/2 IN	65.00	65.00
12A	GUIDE SHOE - 5 1/2" BRO THD.	1	EA	121.00	121.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" BRO	1	EA	110.00	110.00
813.19251					
30	CENTRALIZER - 9-1/2" X 7-7/8"	10	EA	40.00	400.00
806.81022					
320	CANVAS OHSHT BASKET	1	EA	90.00	90.00
806.71430					
350	HALLIBURTON WELD-A	1	EA	14.50	14.50
890.10802					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00
815.19311					
304-202	MIDCON-2 PREMIUM PLUS CEMENT	425	SK	15.51	6,591.75
307-404	ANHYDROUS CALCIUM CHLORIDE	8	SK	36.75	294.00
307-210	FLOCELE	41	LB	1.65	67.65
314-163	CLAYFIX II	3	GAL	28.00	84.00
218-517	SSO-21H	3	GAL	27.50	82.50
313-376	BE-6	1	LB	70.00	70.00
018-315	MUD FLUSH	420	GAL	.45	279.00
500-207	BULK SERVICE CHARGE	465	CFT	1.33	627.75
500-306	MILEAGE CMTR MAT DEL OR RETURN	444.50	MT	.95	441.30

RECEIVED  
STATE CORPORATION COMMISSION

INVOICE SUBTOTAL

AUG 28 1995

10,963.45

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

FFIX 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

PAGE 1

FORM HAL-1900-F

CUSTOMER COPY



HALLIBURTON

ORIGINAL

REMIT TO:

CONFIDENTIAL

INVOICE NO.	DATE
704999	11 14 1995

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
		C-14471		KS	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
		WILYERNO	LEASING - ADDITION FOR C-14471		11/14/1995
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
01167	LOE HARRON	8-24		COMPANY TRUCK	90197

OXY USA INC.  
 REGIONAL OFFICE  
 ATTN: G. T. MCPARLAND  
 PO BOX 26100  
 OKLAHOMA CITY, OK 73125-0100

RELEASED

DIRECT CORRESPONDENCE TO:

P.O. BOX 1598  
 LIBERAL, KS 67905-0000

NOV 1 1996

FROM CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DISCOUNT-TRUCK				4,577.75
	INVOICE 800 AMOUNT				6,570.50
	* KANSAS STATE SALES TAX				262.13
	* LIBERAL CITY SALES TAX				53.50
	* SEWARD COUNTY SALES TAX				53.50
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$6,759.63

RECEIVED STATE CORPORATION COMMISSION

AUG 28 1995

CONFIDENTIAL

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





HALLIBURTON ENERGY SERVICES

CHARGE TO: **OMY USA**  
 ADDRESS:  
 CITY, STATE, ZIP CODE: **19906**

TICKET No. **706993 - 1**  
 PAGE 1 OF 1

FORM 1906 R-13

SERVICE LOCATIONS  
 1. **Liberal, KS 025540**  
 2. **Hugoton, KS 025535**

WELL/PROJECT NO. **2**  
 LEASE **Martney B**  
 COUNTY/PARISH **Seward**  
 STATE **KS**  
 CITY/OFFSHORE LOCATION **N/Liberal, KS**  
 DATE **5-14-95**  
 OWNER **SAME**

TICKET TYPE  SERVICE  SALES  
 NITROGEN JOB?  YES  NO  
 CONTRACTOR **Cheyenne**  
 RIG NAME/NO. **Rig 5**  
 SHIPPED VIA **CTI**  
 DELIVERED TO **LOCATION**  
 ORDER NO.

WELL TYPE **O2 Gas**  
 WELL CATEGORY **01 Deleportment**  
 JOB PURPOSE **035 5 1/2 Long string**  
 WELL PERMIT NO.  
 WELL LOCATION **19-32s-34w**

REFERRAL LOCATION  
 INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT.	DF							
000-117					MILEAGE 75374	1	EA	44	mi	2.75	121.00
001-016					Pump Charge	6	hrs	2830	ft		1455.00
030-018					5 wiper top plug	1	EA	5 1/2	in		65.00
12A	825.205				Regular Guide Shoe	1	EA	5 1/2	in		121.00
24A	815.19251				INSERT Float	1	EA	"	"		110.00
40	806.61022				CENTRALIZERS	10	EA	"	"	40.00	400.00
320	806.71430				CANVAS BASKET	1	EA	"	"		90.00
350	890.10802				WELD A	1	#				14.50
27	815.19311				Fillup	1	EA				55.00

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.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: **X [Signature]**  
 DATE SIGNED: **X [Signature]** TIME SIGNED:  A.M.  P.M.

TYPE LOCK:  PULLED & RETURN  PULLED  RUN  
 BEAN SIZE: DEPTH  
 TYPE OF EQUALIZING SUB.: SPACERS  
 TUBING SIZE: TUBING PRESSURE: WELL DEPTH  
 TREE CONNECTION: TYPE VALVE

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

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

PAGE TOTAL: **243.50**  
 FROM CONTINUATION PAGE(S): **8531 AS**  
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: **10,916.45**  
**6590.50**

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): **Tom Harmon**  
 CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **X [Signature]**  
 HALLIBURTON OPERATOR/ENGINEER: **Wes Fox** EMP #: **04437**  
 HALLIBURTON APPROVAL: **Wes Fox** LMT: **40.5%** FE: **32%**



TICKET CONTINUATION

ORIGINAL

TICKET No. 706993

HALLIBURTON ENERGY SERVICES

CUSTOMER OXY USA Inc

WELL #2 Marteny

DATE 5-14-95 PAGE OF

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT.	DF									
504-282					MIDCON	425		SKS		15	51	65	91.75
507-285	70,15250												
508-127	516,00335												
509-406	890,50812				Calcium chloride 2% w/AM	8		SKS		36	75		294.00
507-210	890,50071				Fluocel 1/4# w/165 Midcon	41		#		1	65		67.65
314-163					Clay Fl #	3		gal		28	00		84.00
218-517					SSD-2/m	3		gal		27	00		82.50
313-396					BE-6	1		#					70.00
018-315					Mud Flush	420		gal		65			273.00
RELEASED NOV 1 1996 FROM CONFIDENTIAL					CONFIDENTIAL								
500-207					SERVICE CHARGE			CUBIC FEET	465	1	35		627.75
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	464.53		.95		441.30
											CONTINUATION TOTAL		8531.95

ORIGINAL

CONFIDENTIAL

RELEASED NOV 1 1996 FROM CONFIDENTIAL

No. B 211506

CONTINUATION TOTAL

8531.95



# JOB SUMMARY

HALLIBURTON DIVISION

Mid Cont

HALLIBURTON LOCATION

Liberal, KS

BILLED ON TICKET NO

706993

## WELL DATA

FIELD Hugoton SEC 19 TWP 32S RNG 34W COUNTY SEWARD STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

PRESENT PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS 966 MCFD \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE 6000

MISC DATA \_\_\_\_\_ TOTAL DEPTH 2830

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14	5 1/2	KB	2830	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
<del>Float collar</del> Insert Float	1	Howe
FLOAT SHOE		
GUIDE SHOE	1	
CENTRALIZERS	10	
BOTTOM PLUG		
TOP PLUG	1	
HEAD		
PACKER BASKET		
OTHER Weld A	M	

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-14-95</u>	DATE <u>5-14-95</u>	DATE <u>5-14-95</u>	DATE <u>5-14-95</u>
TIME <u>0500</u>	TIME <u>0800</u>	TIME <u>1135</u>	TIME <u>1228</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
W. Tox	D4437	40076 P.U. Liberal, KS
N. Tate	E0568	75374 RCM
C. Ashley		77031 Bulk Hugoton, KS
S. Porter		75817 Bulk

RELEASED

NOV 1 1995

DEPARTMENT SOOT CEMENT FROM CONFIDENTIAL

DESCRIPTION OF JOB 5 1/2 long string

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN

CUSTOMER REPRESENTATIVE Xon

HALLIBURTON OPERATOR WES Fox COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT / SK	MIXED LBS./GAL
1	260	Midcont		B		3.22	11.1
2	165	Midcont		B	1/4# FLOEIE	1.84	13.2

## PRESSURES IN PSI

CIRCULATING DISPLACEMENT \_\_\_\_\_

BREAKDOWN MAXIMUM \_\_\_\_\_

AVERAGE FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 44.93 REASON Shoe Joint

## SUMMARY

PRESLUSH: BBL-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD BBL-GAL. \_\_\_\_\_

TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL. BBL-GAL. 67.9

CEMENT SLURRY 149.1 = 54.1

TOTAL VOLUME 271

## REMARKS

SEE Job Log

MSDS in Doghouse

CUSTOMER: 021 USA

LEASE: Martens B

WELL NO: 2

JOB TYPE: 5 1/2 long string

DATE: 5-14-95





