

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

API NO. 15-081-21089-0000 ORIGINAL

County Haskell

-E/2 - NW - NW Sec. 19 Twp. 27S Rge. 33 ^E/_XW

3970 FSL Feet from S (circle one) Line of Section

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

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

Lease Name Frey C Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2842 KB

Total Depth 2905 PBTD 2892'

Amount of Surface Pipe Set and Cemented at 741 Feet

Multiple Stage Cementing Collar Used? Yes x No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 874 8-24-98
(Data must be collected from the Reserve Pit)

Chloride content 4300 ppm Fluid volume 600 bbls

Dewatering method used Evaporation x

Location of fluid disposal if hauled offsite: NO

Operator Name _____ License No. _____

Lease Name _____

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

County Haskell Docket No. _____

Operator: License # 5447

Name: OXY USA Inc.

Address P. O. Box 300

City/State/Zip Tulsa, OK 74102-0300

Purchaser: CIG

Operator Contact Person: Raymond Hui

Phone (918) 561-3548

Contractor: Name: Cheyenne Drilling Co.

License: 5382

Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SICW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSU, Expl., Cathodic, etc)

If Workover:

Operator: SEP 25 1998

Well Name: _____

Comp. Date FROM CONFIDENTIAL

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

1-27-97 1-30-97 3-10-97
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Raymond Hui

Title Analyst Date 3-10-97

Subscribed and sworn to before me this 10th day of March, 1998

Notary Public Karen Anne Well

Date Commission Expires 9-22-97

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

SIDE TWO

Operator Name OXY USA Inc. Lease Name Frey C Well # 4
 Sec. 19 Twp. 27S Rge. 33 East County Haskell
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Hollenberg</td> <td>2578</td> <td>275</td> </tr> <tr> <td>Herington</td> <td>2606</td> <td>247</td> </tr> <tr> <td>Krider</td> <td>2632</td> <td>221</td> </tr> <tr> <td>Winfield</td> <td>2670</td> <td>183</td> </tr> <tr> <td>Towanda</td> <td>2726</td> <td>127</td> </tr> <tr> <td>Ft. Riley</td> <td>2793</td> <td>60</td> </tr> </tbody> </table>	Name	Top	Datum	Hollenberg	2578	275	Herington	2606	247	Krider	2632	221	Winfield	2670	183	Towanda	2726	127	Ft. Riley	2793	60
Name	Top		Datum																				
Hollenberg	2578		275																				
Herington	2606		247																				
Krider	2632		221																				
Winfield	2670	183																					
Towanda	2726	127																					
Ft. Riley	2793	60																					
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																						
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																						
List All E.Logs Run: Neutron	Ran Dual Spaced																						

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	741	CL A	290 sx	3%cc
Production	7 7/8"	5 1/2"	14	2905	CL A	435 sx	2% cc

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	2585-2730	Acidized w/1600 gal 7.5% HCL	
		Frac'd w/48500 gal	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>2844</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Pump Testing	<u>3-11-97</u>	Producing Method	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		108	75	

Disposition of Gas: METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2585-2730'

(If vented, submit ACO-18.) Other (Specify)



JOB LOG HAL-2013-C

DATE 1-28-97
TICKET NO. 1857-0

CUSTOMER OXY USA WELL NO. 4 LEASE Froy C JOB TYPE OIL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2320							Well - 1st
	2315							on location Drilling
	2405							Bot Top
	2411							To 2nd 1st 1st
	2514							Drilling ORIGINAL
	0901							Run CS9
	0942							CS9 2 1/2" H. 1/4" to Circ
	1016							Circuit start stop
	1030							Next to cat
	1032							0-100 start load out 11.1
	1041	6	10.9					100% 1/2" pump start 11.1
	1054	5	23.5					A Tailcut Pumped Shut down
	1058							0-70 start 11.1
	1127	6	34.5					70-100 slow rate
	1112	2	10					100-500 pump plug shut down

REC
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SEP 25 1998
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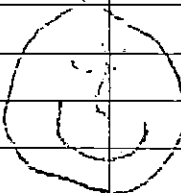
JOB LOG HAL-2013-C

CUSTOMER		WELL NO.	LEASE	JOB TYPE	TICKET NO.			
OIL USA INC		4	FREY C	5/2 LONG STRUNG	106474			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2240							CALLED OUT - READY NOW
	0140							ON LACT - L.D.D.C.
	0140							RIGGING DOWN KELLY - MH - RH START CSG IN HOLE
								ORIGINAL
	0650							HOOK UP CMT HEAD
	0710							CIRCULATION TO PIT - SAFETY MEETING
	0730							HOOK UP CMT LINE
	0735					1700		PRESSURE TEST LINES
	0740	60	12			1700		START MUD FLUSH SPACE
	0745	40	172			1700		START LEAD CMT. 11.1 "/GAL
	0827	4.0	41			210		START TAIL CMT 13.2 "/GAL
	0837	0	0			0		SHUT OFF WASHUP - DROP PLUG
	0841	4.0	53			0		START DISPLACEMENT TREATED HD
	0850	2	13			1200		SLOW RATE 68.8 TOTAL GAL
	09							PLUG LANDED -
	0735		3			40		CMT RH
	0740		2.0			40		CMT ALL
								MAR 20
								CONFIDENTIAL
								THANKS FOR CALLING
								HALLIBURTON ENERGY SERVICES
								LIBERAL O.K.S.
								HAVE A GOOD DAY
								BROADBENT-MICHAEL TELFORD-PATTERSON
								M.S.D.S ON LACT.
								4.0 BBL CMT PIT 70 SKS.

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SEP 25 1998

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REMIT TO: P.O. BOX 251046 DALLAS, TX 75395-1046 Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES A Division of Halliburton Company

Table with columns: INVOICE NO. (105406), DATE (01/28/1997)

Main header table with columns: WELL/LEASE NO./PROJECT, WELL/PROJECT LOCATION, STATE, OWNER, SERVICE LOCATION, CONTRACTOR, JOB PURPOSE, TICKET DATE, ACCT. NO., CUSTOMER AGENT, VENDOR NO., CUSTOMER P.O. NUMBER, SHIPPED VIA, FILE NO.

CONFIDENTIAL

DIRECT CORRESPONDENCE TO: P O BOX 1598 LIBERAL KS 67901

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

ORIGINAL

Main line items table with columns: REFERENCE NO., DESCRIPTION, QUANTITY, UM, UNIT PRICE, AMOUNT. Includes items like MILEAGE CEMENTING ROUND TRIP, DISCOUNT, CENTRALIZER, CLAMP-LIMIT, BASKET-CMT, HALLIBURTON WELD-A, BAFFLE PLATE.

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RECEIVED MAR 24 1997 KANSAS CORPORATION COMMISSION WICHITA, KS

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SEP 25 1998

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APPENDIX 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.



REMIT TO: P.O. BOX 951096 DALLAS, TX 75395-1046 Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES A Division of Halliburton Company

Table with invoice details: INVOICE NO. 185406, DATE 01/28/1997, WELL LEASE NO./PROJECT, WELL/PROJECT LOCATION, STATE, OWNER, SERVICE/LOCATION, CONTRACTOR, JOB PURPOSE, TICKET DATE, ACCT. NO., CUSTOMER AGENT, VENDOR NO., CUSTOMER P.O. NUMBER, SHIPPED VIA, FILE NO.

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

ORIGINAL

DIRECT CORRESPONDENCE TO: P O BOX 1598 LIBERAL KS 67901

CONFIDENTIAL

Main invoice table with columns: REFERENCE NO., DESCRIPTION, QUANTITY, UOM, UNIT PRICE, AMOUNT. Includes items like CEMENTING PLUG 5W, FLOCELE, ANHYDROUS CALCIUM CHLORIDE, BULK SERVICE CHARGE, MILFAGE CMTG MAT DEL OR RETURN.

INVOICE SUBTOTAL

DISCOUNT-(BID) INVOICE BID AMOUNT

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

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ***** \$5,275.14

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INVOICE



HALLIBURTON ENERGY SERVICES
A Division of Halliburton Company

REMIT TO:
P.O. BOX 951044
DALLAS, TX 75295-1044
Corporate FIN 73-0271280

INVOICE NO.	DATE
106474	01/30/1997

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
FREY C 4		HASKELL		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		CHEYENNE DRILLING	CEMENT PRODUCTION CASING		01/30/1997
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	JAKE SLATFEN	E-26		COMPANY TRUCK	19820

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

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

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REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	110 MI		2.99	328.90
	DISCOUNT-(BID)	41.0 %	1 UNT		134.84
000-119	MILEAGE FOR CREW	110 MI		1.60	176.00
	DISCOUNT-(BID)	41.0 %	1 UNT		72.16
001-016	CEMENTING CASING	2905 FT		1,500.00	1,500.00
	DISCOUNT-(BID)	41.0 %	1 UNT		615.00
030-016	CEMENTING PLUG 5W ALUM TOP	5 1/2 IN		60.00	60.00 *
	DISCOUNT-(BID)	41.0 %	1 EA		24.60
24A 815.19251	INSERT FLOAT VALVE - 5 1/2" BRD	1 EA		131.00	131.00 *
	DISCOUNT-(BID)	32.0 %			41.92
27 815.19311	FILL-UP UNIT 5 1/2"-6 5/8"	1 EA		69.00	69.00 *
	DISCOUNT-(BID)	22.0 %			22.08
12A 825.205	GUIDE SHOE - 5 1/2" BRD TIE	1 EA		121.00	121.00 *
	DISCOUNT-(BID)	22.0 %			38.72
40 806.60022	CENTRALIZER-5-1/2 X 7-7/8	10 EA		60.00	600.00 *
	DISCOUNT-(BID)	32.0 %			192.00

KANSAS CORPORATION COMMISSION
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CONSERVATION DIVISION
WICHITAS

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AFFIX JOB FKT

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.

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INVOICE



HALLIBURTON ENERGY SERVICES
A Division of Halliburton Company

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

INVOICE NO. 106474	DATE 01/30/1997
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WELL LEASE NO./PROJECT FREY C 4		WELL/PROJECT LOCATION MASKELL		STATE KS	OWNER SAME
SERVICE LOCATION LIBERAL		CONTRACTOR CHEYENNE DRILLING	JOB PURPOSE CEMENT PRODUCTION CASING		TICKET DATE 01/30/1997
ACCT. NO. 659167	CUSTOMER AGENT JAKE SLAYFN	VENDOR NO. E-26	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 19820

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

ORIGINAL

DIRECT CORRESPONDENCE TO:
P O BOX 1598
LIBERAL KS 67901

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REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
350 890 10802	HALLIBURTON WELD-A DISCOUNT-(BID)	1	EA	16.75	16.75
		32.0	%		5.36-
370 806 71430	BASKET-CMT-5 1/2 CSG X 17"OD- DISCOUNT-(BID)	1	EA	104.00	104.00
		32.0	%		33.29-
913-295	BS-6 DISCOUNT-(BID)	1	LB	70.00	70.00
		41.0	%		28.70-
018-303	CLAYFIX II, PER GAL DISCOUNT-(BID)	3	GAL	28.00	84.00
		41.0	%		34.44-
504-282	MIDCON-2 PREMIUM PLUS CEMENT DISCOUNT-(BID)	435	SK	17.06	7,421.10
		41.0	%		3,042.65-
509-406	ANHYDROUS CALCIUM CHLORIDE DISCOUNT-(BID)	8	SK	40.75	326.00
		41.0	%		133.65-
507-210	FLOCELE DISCOUNT-(BID)	109	LB	1.65	179.85
		41.0	%		73.73-
018-315	MUD FLUSH DISCOUNT-(BID)	500	GAL	.65	325.00
		41.0	%		133.25-
500-207	BULK SERVICE CHARGE DISCOUNT-(BID)	480	CFT	1.35	648.00
		41.0	%		265.68-
500-306	MILEAGE CMTG MAT DEL OR RETURN DISCOUNT-(BID)	1233.31	TMI	1.05	1,294.98
		41.0	%		530.94-

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APPENDIX JOB TRY

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.

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INVOICE



HALLIBURTON ENERGY SERVICES

A Division of Halliburton Company

REMIT TO: P.O. BOX 97104 DALLAS, TX 75395-1044 Corporate FIN 73-0271280

INVOICE NO.	DATE
106474	01/30/1997

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
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FREY D 4	MASKELL	KS	SAFE
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SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
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LIBERAL	CHEYENNE DRILLING	CEMENT PRODUCTION CASING	01/30/1997
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ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER RO. NUMBER	SHIPPED VIA	FILE NO.
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659167	IAKF SLATTEN	E-26		COMPANY TRUCK	19820
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OXY USA INC
P.O. BOX 2528
LIBERAL, KS 67905-2528

ORIGINAL

DIRECT CORRESPONDENCE TO:

P O BOX 1598
LIBERAL KS 67901

CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
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INVOICE SUBTOTAL	13,450.09
DISCOUNT (BID)	5,429.01
INVOICE BID AMOUNT	9,022.57
* KANSAS STATE SALES TAX	321.77
* LIBERAL CITY SALES TAX	65.65
* SEWARD COUNTY SALES TAX	98.50

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SEP 25 1998
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INVOICE TOTAL - PLEASE PAY THIS AMOUNT ***** \$8,518.49

APPENDIX JOB FKT

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