

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

API NO. 15-129-21427-0000 **ORIGINAL**

County Morton

SW - NE - NE Sec. 32 Twp. 34S Rge. 40 ^E/_X ^W

4030 FSL Feet from S (circle one) Line of Section

1250 FEL Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
XX, SE, XX or XX (circle one)

Lease Name Federal Land Bank B Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3247' KB _____

Total Depth 2710' PBDT 2683'

Amount of Surface Pipe Set and Cemented at 516 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 ACT 1 D/W
(Data must be collected from the Reserve Pit) 5-5-97

Chloride content 1200 ppm Fluid volume 2500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

Operator's License # 5447

Name: OXY USA Inc.

Address P. O. Box 300

City/State/Zip Tulsa, ok 74102-0300

Purchaser: _____

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 SIOW 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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

3-19-96 3-23-96 4-11-96
Spud Date Date Reached TD Completion Date

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 Raymond Hui

Title Staff Analyst Date 7-2-96

Subscribed and sworn to before me this 2nd day of July, 19 96.

Notary Public Loren Anne Wells

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)

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 22 1996

Form ACO-1 (7-91)

Operator Name OXY USA Inc.

Lease Name Federal Land Bank B Well # 2

Sec. 32 Twp. 34S Rge. 40
 East
 West

County Morton

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			<input type="checkbox"/> Sample
Name	Top	Datum	
Hollenberg	2418		
Herington	2438		
Krider	2660		
Winfield	2495		

List All E.Logs Run:
 Run ~~Dual Induction Log~~
DUAL-SPACED NEUTRON

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	516'	CL A	220	3% cc
Production	7 7/8"	5 1/2"	14	2703	CL A	485	3% 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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2	2504-2509; 2551-2558; 2573-2577;	Acidized w/1600 gal of 7 1/2%
	2605-2607; 2654-2656	HCL Frac'd w/ 28000 gal
		Borate gel

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	2682'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.			Producing Method		
4-28-96			<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
		299	61		

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

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled **2504-2656' O.A.**
 (If vented, submit ACO-18.) Other (Specify) _____



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: **OXY-USA**
 ADDRESS:
 CITY, STATE, ZIP CODE:

DUNCAN COPY

TICKET

No.

921463 - 4

PAGE 1 OF 2

SERVICE LOCATIONS: 1. **LIBERAL KS**, 2. **HUGOTON KS**
 WELL/PROJECT NO.: **2**
 LEASE: **FEDERAL LAND BANK B**
 COUNTY/PARISH: **MORTON**
 STATE: **KS**
 OFFSHORE LOCATION: OFFSHORE LOCATION
 DATE: **8-22-96**
 OWNER: **SAME**
 TICKET TYPE: SERVICE, SALES
 NITROGEN JOB? YES, NO
 CONTRACTOR: **CHEYENNE**
 RIG NAME/NO.: **# 4**
 SHIPPED VIA: **C.T. WELLSITE**
 DELIVERED TO:
 ORDER NO.:
 WELL TYPE: **02**
 WELL CATEGORY: **01**
 JOB PURPOSE: **035 5 1/2" LONGSTRING**
 WELL PERMIT NO.:
 WELL LOCATION:
 REFERRAL LOCATION:
 INVOICE INSTRUCTIONS: **API# 15129214270000**

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT.	DF		QTY.	U/M	QTY.	U/M	
000-117					MILEAGE ON 76900	84	MI	2	85	239.40
001-016					PUMPING SERVICE	1	HR	2706	1455	1455.00
000-117					CREW MILEAGE	84	MI	1	50	126.00
001-018					ADDITIONAL HRS ON 76900	3	HR	235	300	705.00
314-163					CLAY FIX II	3	GAL	28	60	84.00
018-315					MUD FLUSH	420	GAL		65	273.00
12A	825.205				GUIDE SHOE	1	EA	5 1/2	121	121.00
24A	815.19251				INSERT FLOAT	1	EA	5 1/2	110	110.00
27	815.19311				FILLUP ASSEMBLY	1	EA		69	69.00
40	806.60022				S-4 CENTRALIZERS	10	EA	5 1/2 x 7 7/8	60	600.00
320	806.70030				CEMT BASKET	1	EA	5 1/2	120	120.00
030-016					5 W TOP PLUG	1	EA	5 1/2	65	65.00

ORIGINAL

KANSAS CORPORATION
AUG 22 1996
CONSULTANTS

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: **8-22-96** TIME SIGNED: A.M., P.M.
 do 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 SUB. CASING PRESSURE
 TUBING SIZE TUBING PRESSURE WELL DEPTH
 TREE CONNECTION TYPE VALVE

SURVEY
 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: **39674**
 FROM CONTINUATION PAGE(S): **970381**
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: **1367121**

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): **TAD DAVIS - CAL WYOTE** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **X [Signature]** HALLIBURTON OPERATOR/ENGINEER EMP #: **CARL L SMITH 75221** HALLIBURTON APPROVAL:

TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. 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 the 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.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES. CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE, OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President, Legal, 5151 San Felipe, Houston, Texas 77056.



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

FIELD COPY

TICKET No. 921463-4

FORM 1911 R-10

CUSTOMER Oxy USA	WELL Federal Land Bank	DATE 3-28-96	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL		DATE	UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M			
504050	516.00265				Premium Plus Cont.	100	sk		12.62	1262.00
504282					Midcon Cont.	385	sk		16.76	6452.60
504050	516.00265					385				
507285	70.15250					724	lb			
508127	516.00335					7	sk			
507210	890.50071				Flo 47-485sk	121	lb		1.65	199.65
509406	890.50812				Calcium Chloride 27-485sk	9	sk		36.75	330.75
218-517					SSO - 21M	3	gal		27.50	82.50
313-396		1			AE-6	1	lb		70.00	70.00
500207					SERVICE CHARGE					
500306					MILEAGE CHARGE					
					TOTAL WEIGHT	530			1.35	715.50
					LOADED MILES	622.56			05	581.41

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 22 1996

CONSERVATION DIVISION
WICHITA, KS

No. B 219976

CONTINUATION TOTAL

9703.81



TICKET CONTINUATION

FIELD COPY

TICKET No. DM

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER QXY USA INC.	WELL Ingraham A 4 2	DATE 3-22-96	PAGE OF
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL		DATE	PAGE		
		LOC	ACCT	DF		QTY.	U/M		QTY.	U/M	UNIT PRICE
504-282					Micon Premium Plus	100	sks			16.76	1676.00
507-285	70.15250										
508-127	516.00335										
509-406	890.50812				Calcium Chloride 2% v/all	2	sks			36.75	73.50
ORIGINAL											
500-207					SERVICE CHARGE		CUBIC FEET			1.35	147.15
500-306					MILEAGE CHARGE		TON MILES			.95	122.57
						9926	LOADED MILES		26		
						109					
										129.03	

RECEIVED
 KANSAS CORPORATION COMMISSION
 AMG 2-2 1996
 CONSERVATION DIVISION
 WICHITA, KS

No. B 219981

CONTINUATION TOTAL



JOB LOG HAL-2013-C

DATE 03-21-96 PAGE NO. 01

CUSTOMER DXY-USA WELL NO. 2 LEASE FEDERAL LAND BANKS JOB TYPE 5 1/2" LONGSTRAKE TICKET NO. 921463-4

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes entries for 3-21-96 and 03-22-96.

ORIGINAL

RECEIVED KANSAS CORPORATION COMMISSION

AUG 22 1996

CONSERVATION DIVISION WICHITA, KS

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION MID-CONTINENTHALLIBURTON LOCATION LIBERAL, KSBILLED ON TICKET NO. 921963-4

WELL DATA

FIELD _____ SEC. 32 TWP. 34S RNG. 40W COUNTY MORTON CO. 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. 8.33
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 2710

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14.	5 1/2	6L	2707	
LINER						
TUBING						
OPEN HOLE				6L	2703	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-21-96</u>	DATE <u>3-21-96</u>	DATE <u>3-22-96</u>	DATE _____
TIME <u>1400</u>	TIME <u>1700</u>	TIME _____	TIME _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSERT 5 1/2</u>	<u>1</u>	<u>HOWCO</u>
FLOAT SHOE		
GUIDE SHOE <u>1-REG 5 1/2</u>	<u>1</u>	<u>" "</u>
CENTRALIZERS <u>S-4. 5 1/2</u>	<u>10</u>	
BOTTOM PLUG		
TOP PLUG <u>SW 5 1/2</u>	<u>1</u>	<u>" "</u>
HEAD <u>OLD STYLE 5 1/2</u>	<u>1</u>	<u>" "</u>
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. SMITH 75221</u>	<u>94406</u>	<u>LIBERAL KS</u>
<u>D. McLANE #263601</u>	<u>53554</u>	<u>" "</u>
<u>S. PORTER.</u>	<u>76900</u>	<u>" "</u>
<u>S. PORTER.</u>	<u>215-75505</u>	<u>HUGOTON.</u>
<u>S. PORTER.</u>	<u>4461-66011</u>	<u>" "</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY RECEIVED °API
 PROP. TYPE _____ SIZE _____ KANSAS CORPORATION COMMISSION
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____
 ACID TYPE _____ GAL. _____
 ACID TYPE _____ GAL. _____
 SURFACTANT TYPE _____ GAL. _____
 NE AGENT TYPE _____ GAL. _____
 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. _____
 PERFFAC BALL'S TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT CEMT
 DESCRIPTION OF JOB CEMT 5 1/2" LONG STRING AS PER CUSTOMERS ORDERS.

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR C.L. SMITH COPIES REQUESTED 2

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>LEAD</u>	<u>385</u>	<u>MC PREM PLUS.</u>			<u>290 CACL. 1/4" SK FLOCLE</u>	<u>3.22</u>	<u>11.1</u>
<u>TAIL</u>	<u>100</u>	<u>MC PREM PLUS.</u>			<u>290 CACL 1/4" SK FLOCLE</u>	<u>1.84</u>	<u>13.2</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

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 _____

PRESLUSH (BBL) - GAL. 10 TYPE MUD FLUSH
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 65.5
 CEMENT SLURRY: BBL.-GAL. L-220 T-32.
 TOTAL VOLUME: BBL.-GAL. 327.5 BBL

REMARKS

SEE JOB LOG

FEET 14.70 REASON SHOE JOINT

SERVICE CENTER



HALLIBURTON

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

INVOICE

ORIGINAL

INVOICE NO	DATE				
921552	03/19/1996				
WELL/PROJECT LOCATION	STATE	OWNER			
MORTON	KS	SAME			
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	CHEYENNE	CEMENT SURFACE CASING	03/19/1996		
CCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
59147	CAL WYLIE	E-26		COMPANY TRUCK	05537

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
100-117	MILEAGE CEMENTING ROUND TRIP	84 MI		2.85	239.40
	DISCOUNT-(BID)	40.5 %			96.95
100-119	MILEAGE FOR CREW	84 MI		1.50	126.00
	DISCOUNT-(BID)	40.5 %			51.03
101-016	CEMENTING CASING	520 FT		890.00	462.80
	DISCOUNT-(BID)	40.5 %			186.45
130-018	CEMENTING PLUG 5W PLASTIC TOP	1 EA		130.00	130.00
	DISCOUNT-(BID)	40.5 %			52.65
197-1269	RAFFLE PLATE - Ø 5/8" ALUM	1 EA		50.00	50.00
	DISCOUNT-(BID)	32.0 %			16.00
41-80671040	CENTRALIZER - Ø 5/8 X 12-1/4	3 EA		61.00	183.00
	DISCOUNT-(BID)	32.0 %			59.56
320-00671160	BASKET-CMT-Ø 5/8 CGO X 21" -SLP	1 EA		124.00	124.00
	DISCOUNT-(BID)	32.0 %			39.68
504-262	MIDCON-2 PREMIUM PLUS CEMENT	120 SK		16.76	2,011.20
	DISCOUNT-(BID)	40.5 %			814.53
507-103	POCCEP	85 LB		1.65	140.25

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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 late payments.



SERVICE CENTER



HALLIBURTON

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

INVOICE

ORIGINAL

INVOICE NO.	DATE
921532	03/19/1976

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
FEDERAL LAND BANK D-2	MORTON	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	CHEYENNE	CEMENT SURFACE CASTING	03/19/1976
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
52162	CAL NYLIE	E-26	
SHIPPED VIA			FILE NO.
COMPANY TRUCK			05597

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	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)	40.5 %			55.80-
09-406	ANHYDROUS CALCIUM CHLORIDE	5 SK		36.75	183.75 *
	DISCOUNT-(BID)	40.5 %			74.41-
04-050	CEMENT - PREMIUM PLUS	100 BK		12.62	1,262.00 *
	DISCOUNT-(BID)	40.5 %			511.11-
00-207	BULK SERVICE CHARGE	242 CFI		1.35	326.70 *
	DISCOUNT-(BID)	40.5 %			132.31-
00-306	MILEAGE CMTG MAT DEL OR RETURN	281.26 TMT		.95	267.20 *
	DISCOUNT-(BID)	40.5 %			108.21-
INVOICE SUBTOTAL					5,939.50
DISCOUNT-(BID)					2,372.69-
INVOICE BID AMOUNT					3,566.81
* KANSAS STATE SALES TAX					137.89
* LIBERAL CITY SALES TAX					28.12
* SEWARD COUNTY SALES TAX					42.20
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$3,769.02

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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's fees.



JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
OXY USA		2		Federal Land Bank A		8 5/8 S.P.		921552	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				1	2	TUBING	CASING		
	1530								Called out for job
	1730								On loc. 1st drilling
	2125								Start S.B.P.
	2150								Out of hold w.l.p.
	2200								Start 8 5/8 CS 3 FE
	2249								CS 9 on BOH HOOR 8 5/8 P.C. 3 CIRC FROM TO R.T.
	2255								BRK CIRC W/IRG PUMP
	2257								CIRC TO PIT
	2310								Thru circ hook iron to P.T.
	2317	6.0	68.8				100		Start mixing 120 st ft in down 3% cc 1/2 7/8 F10 at 11.1 #/gal
	2327	6.0	23.5				100		start mixing 100 st ft 2% cc 1/2 7/8 F10 at 14.5 #/gal
	2330		92.0						Thru mixing shut down order plug
	2331	6.0	30				50		start disp.
	2335	6.0	30				75		13 bbbls in cmt to surface
	2336	2.5	30				60		20 bbbls in sio rate
	2340	2.0	30				60/500		land plug
	2341		30						Shut Head in
	2343								Job over
									17 bbbls cmt to pit
									29.6 st to pit
									Thanks for calling

FIELD OFFICE

Tyce Mike John

HALLIBURTON JOB SUMMARY

HALLIBURTON DIVISION *Mid Continent Area*
 HALLIBURTON LOCATION *Liberal ks.*

BILLED ON TICKET NO. *921552*

FIELD *Hugoton* SEC *32* TWP *34* RING *40* COUNTY *Morton* 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 _____

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>U</i>	<i>28</i>	<i>8 5/8</i>	<i>K0</i>	<i>520</i>
LINER					
TUBING					
OPEN HOLE					SHOTS/FT.
PERFORATIONS					
PERFORATIONS					
PERFORATIONS					

JOB DATA

DATE	TIME	DATE	TIME
<i>3-19</i>	<i>1530</i>	<i>3-19</i>	<i>1730</i>
		<i>3-19</i>	<i>2315</i>
		<i>3-19</i>	<i>2345</i>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
<i>Flow Guide</i>	<i>1</i>	<i>8 7/8</i>
<i>Float Shoe</i>	<i>1</i>	<i>8 7/8</i>
<i>Guide Shoe</i>	<i>1</i>	<i>8 7/8</i>
<i>Centralizers</i>	<i>54</i>	<i>8 7/8</i>
<i>Bottom Plug</i>	<i>1</i>	<i>8 7/8</i>
<i>Top Plug</i>	<i>5W</i>	<i>8 7/8</i>
<i>Head</i>	<i>PC</i>	<i>8 7/8</i>
<i>Packer</i>	<i>1</i>	<i>8 7/8</i>
<i>Other</i>	<i>16384</i>	<i>8 7/8</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>T. Davis</i>	<i>420042</i>	<i>Liberal ks.</i>
<i>F4550</i>	<i>P.O.</i>	<i>ks.</i>
<i>M. COOK</i>	<i>52823</i>	<i>75374 KLM</i>
<i>K0640</i>	<i>50868</i>	<i>75317 BUI</i>
<i>J. Davis</i>	<i>50868</i>	<i>Hugoton ks.</i>
<i>G. Smith</i>	<i>75317</i>	<i>ks.</i>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL _____ API _____
 DISPL. FLUID _____ DENSITY _____ LB/GAL _____ API _____
 PROP. TYPE _____ SIZE _____ LB _____
 ACID TYPE _____ GAL _____ % _____
 SURFACTANT TYPE _____ GAL _____
 NE AGENT TYPE _____ GAL _____
 FLUID LOSS ADD. TYPE _____ GAL _____ LB _____
 GELLING AGENT TYPE _____ GAL _____ LB _____
 FRIC. RED. AGENT TYPE _____ GAL _____ LB _____
 BREAKER TYPE _____ GAL _____ LB _____
 BLOCKING AGENT TYPE _____ GAL _____ LB _____
 PERFPAC BALLS TYPE _____ QTY _____

DEPARTMENT: *CMIT*
 DESCRIPTION OF JOB: *CMC 8 7/8 S.P.*
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE: *X*

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK	MIXED LBS./GAL
<i>1</i>	<i>120</i>	<i>PC Midcon</i>	<i>B</i>	<i>3% CC 1/2 5/8 FLO</i>	<i>3.72</i>	<i>11.1</i>
<i>1</i>	<i>100</i>	<i>PC</i>	<i>B</i>	<i>2% CC 1/4 5/8 FLO</i>	<i>1.22</i>	<i>14.2</i>

PRESSURES IN PSI _____ SUMMARY _____ VOLUMES _____
 CIRCULATING _____ DISPLACEMENT _____ PRESS. LUSH: BBL _____ GAL _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL _____ GAL _____ PAD: BBL _____ GAL _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL _____ GAL _____ DISPL: BBL _____ GAL _____
 SHUT-IN INSTANT _____ 15-MIN _____ CEMENT SLURRY: BBL _____ GAL _____ *68 FLO 23.5 FLO* _____
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL _____ GAL _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____
 TREATING _____ DISPL _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 REASON: *SHUT-TIGHT*

CUSTOMER OXV USA LEAST FEDERAL LIMIT REMAIN WELL NO. 2 JOB TYPE 8 7/8 30 DATE 3-19-92

ORIGINAL

IT



CALL FOR SERVICE AND SALES HAL-0070-F

COMPANY OXY USA, INC.		DATE
CONTRACTOR CHEYENNE DRILLING RIG 4		TOWN OR FIELD HUGOTON FIELD SECT 32/34S/40W
LEASE FEDERAL LAND BANK B	WELL NO. 2	COUNTY MORTON
DIRECTIONS 2ND STREET ROAD & ROLLA BLACKTOP INTERSECTION: 3/4 W ON ROAD D, 3/4 N INTO		

API # 15129214270000

PUMPING SERVICE	<input checked="" type="checkbox"/> SURFACE	<input type="checkbox"/> INTERMEDIATE	<input type="checkbox"/> LONG STRING	<input type="checkbox"/> LINER	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PLUG TO ABANDON	
	<input type="checkbox"/> SQUEEZE	<input type="checkbox"/> ACID	<input type="checkbox"/> OTHER				
	CASING SIZE 8 5/8	THREAD 8 RD	TUBING SIZE	PLUG CONTAINER YES	SWAGE YES	CSG SWIVEL	TOP PLUG 5W PLASTIC
	NUMBER AND TYPE TRUCKS WANTED RCM & BULK CEMENT						BOTTOM PLUG
REMARKS 520 FT OF CASING 128% EXCESS						HOLE SIZE 12 1/4"	
1250' FNL, 1250' FEL						MUD WEIGHT	

MATERIALS	CEMENT L	# OF SACKS 120	TYPE MC PREM. PLUS	ADDITIVES 3% CaCl₂, 1/2 #/sk FLOCELE	RECEIVED KANSAS CORP COMM APR 15 A 10:43
	T	# OF SACKS 100	TYPE PREM. PLUS	ADDITIVES 2% CaCl₂, 1/4 #/sk FLOCELE	
		# OF SACKS	TYPE	ADDITIVES	
		# OF SACKS	TYPE	ADDITIVES	
		# OF SACKS	TYPE	ADDITIVES	
		# OF SACKS	TYPE	ADDITIVES	
	SPACER OR FLUSH	QUANTITY	TYPE	REMARKS	
	OTHER	QUANTITY	TYPE	REMARKS	
REMARKS					

TESTING & TOOLS SERVICE	TYPE JOB		TOOL			
	CASING SIZE	CASING WEIGHT	CASING GRADE	PACKER DEPTH	MUD WEIGHT	
	SIZE AND TYPE DRILL PIPE OR TUBING		TUBING TESTER	JARS		
	WIRELINE SETTING TOOL	STINGER	MECHANICAL SETTING TOOL			
	SWIVEL	SQUEEZE MANIFOLD	OTHER			
	REMARKS					

SALES ITEMS	CASING SIZE 8 5/8	CASING WEIGHT 28 #	THREAD 8 RD	
	GUIDE SHOE	FLOAT SHOE	FLOAT COLLAR	INSERT FLOAT VALVE
	CENTRALIZERS - NUMBER (3)	SIZE 8 5/8 x 12 1/4	TYPE 806.61048	
	WELL CLEANERS - NUMBER	TYPE	DK TOOL ① CANVAS BASKET	
	LIMIT CLAMPS	WELDA ①	OTHER ① Alum. BAFFLE Plate	
REMARKS ① 629-4227 RIG 4 316-272-1604				

ORDERED BY CAL WYLLIE	PHONE m) 629-0433 / 405-651-1458	Pumps R/T 84	TIME OF CALL
CALL TAKEN BY WILLSON	PERCENTAGE CNT 10.5% FE 32%	Bulk 26	TIME READY 1830 3-19-96
OPERATOR OR DRIVER CALLED Davis-Cook			TIME