

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: _____

Operator Contact Person: Jerry Ledlow

Phone (405) 749-2309

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

3-23-96 3-27-96 4-12-96
Spud Date Date Reached TD Completion Date

API NO. 15-129-21413 ⁰⁰⁻⁰⁰

ORIGINAL

County Morton

SW - NE - SE Sec. 22 Twp. 34S Rge. 40 XU

1360 FSL Feet from SX (circle one) Line of Section

1270 FEL Feet from EX (circle one) Line of Section

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

Lease Name Mingenback A Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3364' KB _____

Total Depth 2815' PBDT 2785'

Amount of Surface Pipe Set and Cemented at 561' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT I 9/4 8-22-97
(Data must be collected from the Reserve Pit)

Chloride content 2500 ppm Fluid volume 3000 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. _____

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 Hill

Title Staff Analyst Date 6-15-96

Subscribed and sworn to before me this 15th day of June, 19 96.

Notary Public Karen 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
STATE CORPORATION COMMISSION
AUG 22 1996
CONSERVATION DIVISION
WICHITA, KANSAS

Operator Name: OXY USA, Inc.

Lease Name: Mingenback A

Well # 3

Sec. 22 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 (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>Herington</td> <td>2472</td> <td>905</td> </tr> <tr> <td>Krider</td> <td>2502</td> <td>875</td> </tr> <tr> <td>Winfield</td> <td>2541</td> <td>836</td> </tr> <tr> <td>Towanda</td> <td>2616</td> <td>761</td> </tr> </tbody> </table>	Name	Top	Datum	Herington	2472	905	Krider	2502	875	Winfield	2541	836	Towanda	2616	761
Name	Top		Datum														
Herington	2472		905														
Krider	2502		875														
Winfield	2541	836															
Towanda	2616	761															
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: Ran cased Hole Log

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"	28 28#	561	CL A	230	3% cc
Production	7 7/8"	5 1/2"	14	2805	CL A	435	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	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
2	2485-2490'; 2524-2529; 2558-2562';	Acidized Chase w/1600 gal of	2485-2626'
	2624-2626	7 1/2% HCL Frac'd w/1900 gal 25# Boragel	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>2753'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf <u>326'</u>	Water Bbls.	Gas-Oil Ratio

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 2485'-2490'
2524'-2529'
2558'-2562'
2624'-2626'



HALLIBURTON ENERGY SERVICES

HAL-1906-N

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

DUNCAN COPY

TICKET

No.

921466 - 7

PAGE 1 OF 2

SERVICE LOCATIONS 1. LIBERAL KS	WELL/PROJECT NO. 3	LEASE MINGENBACK A	COUNTY/PARISH MORTON	STATE KS	CITY/OFFSHORE LOCATION	DATE 3-24-96	OWNER SAME
2. HUGOTON KS	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR CHEYENNE	RIG NAME/NO #4	SHIPPED VIA C.T. WELLSITE	DELIVERED TO	ORDER NO.
3. -	WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 010 8 5/8 SURFACE	WELL PERMIT NO.	WELL LOCATION	REFERRAL LOCATION	
INVOICE INSTRUCTIONS		API # 151292 1413 0000					

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	108	MF	2	85	307.80
					PUMPING SERVICE (564 FT)	1	TR.	500-1000	890.00	890.00
000-119					CREW MILEAGE	108	MF	1	50	162.00
597	825.1266				BAFFLE PLATE	1	EA.	8 5/8 IN	91.00	91.00
41	806.61048				S-A CENTRALIZERS	3	EA.	8 5/8 x 12 1/4	63.00	183.00
320	806.71460				CANVAS CEMENT BASKET	1	EA.		124.00	124.00
350	890.10802				WELD-A	1	EA.	1 LB.	16.75	16.75

ORIGINAL

RECEIVED
JURISDICTION COMM. DIV.
TULSA OKLA
MAY 8 1996

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	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input checked="" type="checkbox"/> RUN		SURVEY		AGREE	STUN-DECIDED	DIS-AGREE	PAGE TOTAL 1774.55 FROM CONTINUATION PAGE(S) 4390.24 6164.79 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
	DATE SIGNED 3-24-96	TIME SIGNED 0330	<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
	<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered.		TREE CONNECTION	TYPE VALVE	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

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) CAL WYKIE	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X	HALLIBURTON OPERATOR/ENGINEER CARL L SMITH	EMP # 75221	HALLIBURTON APPROVAL
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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.



JOB LOG HAL-2013-C

DATE 3-24-96 PAGE NO. 01

CUSTOMER OXY-USA WELL NO. 3 LEASE MINGENBACK A. JOB TYPE 8 5/8 SURFACE TICKET NO. 421466-7

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0115	3-5	19.21		X		100	
	1030							CREW + EQUIP ON LOCATION SAFETY MTG + RIG UP
	0115	3-5	10.		X		100	PUMP 10BBL 120 AHEAD
	0119	3-5	74.5		X		150	MIX + PUMP LEAD CEMENT @ 11.1 ^{lb} /GAL
	0130	3-6	23.4		X		100	MIX + PUMP TAIL CEMENT @ 14.8 ^{lb} /GAL
	0140				X			DROP TOP PLUG
	0150	3-6	32.44		X		200	LAND TOP PLUG CIRCULATED 25 BBL CEMENT
	1055							CLOSE IN HEAD + WAIT. FOR CEMENT HEAD
	0500							PICKUP HEAD CREW + EQUIP RELEASED
								THANK YOU
								CARL SMITH + CREW

ORIGINAL



JOB SUMMARY

HALLIBURTON DIVISION MID-CONTINENT
 HALLIBURTON LOCATION LIBERAL KS

BILLED ON TICKET NO. 921466-7

FIELD MORTON CO SEC. 22 TWP. 34S R. 40W 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. 8.33
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 567

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>28</u>	<u>8 5/8</u>	<u>2L</u>	<u>564</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>3-23-96</u>	<u>3-23-96</u>	<u>3-23-96</u>	<u>3-24-96</u>
TIME <u>1800</u>	TIME <u>2230</u>	TIME <u>2230</u>	TIME

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR	<u>1</u>	
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-4 8 5/8</u>	<u>3</u>	<u>HOWCO</u>
BOTTOM PLUG		
TOP PLUG <u>SW 8 5/8</u>	<u>1</u>	" "
HEAD		
PACKER		
OTHER <u>CEMT BASKET</u>	<u>1</u>	" "

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. SMITH 75221</u>	<u>744063</u>	<u>LIBERAL KS</u>
<u>D. McLANE 63601</u>	<u>53554-76900</u>	" "
<u>DALLAS CORPERING</u>	<u>41152-6611</u>	<u>HUGOTON KS</u>

ORIGINAL

DEPARTMENT CEMT
 DESCRIPTION OF JOB CEMT 8 5/8" SURFACE AS PER CUSTOMERS ORDERS

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

CUSTOMER REPRESENTATIVE X CAL WYLIE

HALLIBURTON OPERATOR CARL 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>130</u>	<u>MCPP</u>			<u>390 CACL 1/2" SK FLOCULE</u>	<u>3.22</u>	<u>11.1</u>
<u>TAIL</u>	<u>100</u>	<u>MCPP</u>			<u>290 CACL 1/4" SK FLOCULE</u>	<u>1.32</u>	<u>14.8</u>

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 43.51 REASON SHOE JOINT

VOLUMES

PRESLUSH: BBL.-GAL. 10 BAL TYPE H2O
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 32
 CEMENT SLURRY: BBL.-GAL. L-74-T-23
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

SEE JOB LOG

CUSTOMER 244-15A
 LEASE MINI GENBACK
 WELL NO. 3
 JOB TYPE 8 5/8 SURFACE
 DATE 3-24-96



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: Oxy USA Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

CUSTOMER COPY

TICKET

No. **921309 - 4**

PAGE 1 OF 2

SERVICE LOCATIONS <u>LIBERAL KS 025340</u>	WELL/PROJECT NO. <u>A-3</u>	LEASE <u>MINGENBACK</u>	COUNTY/PARISH <u>MORTON</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>3-26-96</u>	OWNER <u>SAME</u>
<u>2 LIBERAL KS 025335</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>CHESBROUGH DRUG</u>	RIG NAME/NO. <u>4</u>	SHIPPED <u>PU</u>	DELIVERED TO <u>600 SW ROLLA</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION <u>22-345-40W</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>000-117</u>				<u>4.5</u>	<u>MILEAGE</u>	<u>108</u>	<u>mi</u>	<u>1</u>	<u>UNIT</u>	<u>2.85</u>	<u>307.80</u>
<u>000-119</u>				<u>10.5</u>	<u>CREW MILEAGE</u>	<u>108</u>	<u>mi</u>	<u>1</u>	<u>UNIT</u>	<u>1.50</u>	<u>162.00</u>
<u>001-016</u>				<u>40.5</u>	<u>PUMP CHARGE</u>	<u>2808</u>	<u>FT</u>	<u>6</u>	<u>HR</u>		<u>1455.00</u>
<u>030-016</u>				<u>40.5</u>	<u>5W Top Plug</u>	<u>5 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>		<u>60.00</u>
<u>12A</u>	<u>825.205</u>			<u>32</u>	<u>REGULAR GUIDE SHOES</u>	<u>5 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>		<u>121.00</u>
<u>24A</u>	<u>815.19231</u>			<u>32</u>	<u>INSERT FLOAT</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>		<u>110.00</u>
<u>27</u>	<u>815.19311</u>			<u>32</u>	<u>FILLUP</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>		<u>69.00</u>
<u>40</u>	<u>806.60122</u>			<u>37</u>	<u>CENTRALIZER'S</u>	<u>"</u>	<u>"</u>	<u>10</u>	<u>EA</u>	<u>60.00</u>	<u>600.00</u>
<u>320</u>	<u>806.71430</u>			<u>32</u>	<u>CEMENT BASKET</u>	<u>"</u>	<u>"</u>	<u>1</u>	<u>EA</u>		<u>104.00</u>

ORIGINAL

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 <input checked="" type="checkbox"/>	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>2958</u> <u>80</u> FROM <u>40.5</u> CONTINUATION PAGE(S) <u>9202</u> <u>01</u> <u>1209081</u> SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
DATE SIGNED	TIME SIGNED	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered			<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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>X</u>	<u>J. Bredford</u>	<u>47024</u>	<u>J. Bredford 40.5%</u>

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.



JOB LOG HAL-2013-C

CUSTOMER OXI USA I.K. WELL NO. A-3 LEASE TRINGENBACK # JOB TYPE 5 1/2 LOGS STRING TICKET NO. 921309

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for operations like 'hook up CMT HEAD', 'START PUMPING RM', 'START PUMPING MH', 'hook up MAIN CSG', 'LEAD CMT. 11.1"', 'TAIL CMT 13.2"', 'START DISPLACEMENT N2O ADDITIVES', 'SLOW RATE - TOTAL (65 BBL)', 'PLUG LANDED - FLOAT HEAD', '600 BBL CMT PRT. 1053 Ks.', 'THANKS FOR CALLING HALLIBURTON ENERGY SERVICES ABERNATHY KS.', 'HAVE A GOOD DAY', 'BROADFOOT - CORNER SE - DENNIS CORPENDING ADAIR'.

ORIGINAL

(Handwritten signature)



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

MIA CONTINENT
LIBERAL Ks

BILLED ON TICKET NO. 921309

CUSTOMER OKA USA INC.
LEASE MINGENBACK A-3
WELL NO. A-3
JOB TYPE 5 1/2 LONG STRING DATE 3-26-96

WELL DATA

FIELD _____ SEC. 22 TWP. 34S RNG. 40W 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	N	14	5 1/2	KB	2808	
LINER	U	28	8 5/8	GL	564	
TUBING						
OPEN HOLE			7 7/8	564	2815	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-25-96</u>	DATE <u>3-25-96</u>	DATE <u>3-26-96</u>	DATE <u>3-26-96</u>
TIME <u>2000</u>	TIME <u>2230</u>	TIME <u>0440</u>	TIME <u>0600</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FOOT COLLAR <u>INSERT 5 1/2</u>	<u>1</u>	<u>H</u>
FOOT SHOE <u>FILLUP</u>	<u>1</u>	
GUIDE SHOE <u>REGULAR</u>	<u>1</u>	<u>D</u>
CENTRALIZERS <u>S-4</u>	<u>10</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>SW</u>	<u>1</u>	
HEAD CMT <u>BASKET</u>	<u>1</u>	<u>C</u>
PACKER		
OTHER		<u>O</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. BROOKS</u>	<u>420045</u>	<u>LIBERAL Ks.</u>
<u>C. CORNELSEN</u>	<u>52947</u>	<u>"</u>
<u>G2569</u>	<u>75496</u>	
<u>J. ADAK</u>	<u>50866</u>	<u>Hugo (Mo) Ks.</u>
<u>G3813</u>	<u>7649</u>	
<u>DEAN'S CORP. INC.</u>	<u>4037</u>	<u>"</u>
<u>H2441</u>	<u>7620</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
PROP. TYPE _____ SIZE _____ LB.
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
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 _____

DEPARTMENT CEMENT
DESCRIPTION OF JOB CMT 5 1/2 LONG STRING
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X
HALLIBURTON OPERATOR T. Brooks COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>335</u>	<u>MC PRESENT</u>		<u>B</u>	<u>2 1/2 C.C. - 1/4 FINE CELL</u>	<u>3.22</u>	<u>11.1</u>
<u>1</u>	<u>100</u>	<u>MC PRESENT</u>		<u>B</u>	<u>2 1/2 C.C. 1/4 FINE CELL</u>	<u>1.84</u>	<u>13.2</u>

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 20.74 REASON SHOE SET

SUMMARY

VOLUMES

PRESLURRY: BBL-GAL. _____ TYPE _____
LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 608
CEMENT SLURRY: BBL-GAL. 100-172-33
TOTAL VOLUME: BBL-GAL. _____
REMARKS M.S.O.S. GUIDED TO GR MAN
608 BBL CMT PIR - 10.5 SKS



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: Oxy USA IWC

ADDRESS: _____

CITY, STATE, ZIP CODE: _____

TICKET

No.

921309 - 1

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>LIBERAL KS. 025540</u>	WELL/PROJECT NO. <u>A-3</u>	LEASE <u>MINGENBACK</u>	COUNTY/PARISH <u>MORTON</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>3-26-96</u>	OWNER <u>SAME</u>
2. <u>NUGOTON KS 025535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>CKEYENNE DRUG</u>	RIG NAME/NO. <u>4th</u>	SHIPPED <u>P.u</u>	DELIVERED TO <u>602 S/W ROLLA</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION <u>22-345-40W</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF		U/M	U/M				
000-117					40.5 MILEAGE	108	mi	1	UNIT	285	307.80
000-119					40.5 CREW MILEAGE	108	mi	1	UNIT	1.50	162.00
001-016					40.5 PUMP CHARGE	2808	FT	6	EA		1455.00
030-016					40.5 5w TOP PLUG	5 1/2	IN	1	EA		60.00
12A	825.205			32	REGULAR GUIDE SHOE	5 1/2	IN	1	EA		121.00
24A	815.19251			32	INSERT FLOAT	"	"	"	"		110.00
27	815.19311			32	FILLUP	"	"	"	"		69.00
40	806.60122			32	CENTRALIZERS	"	"	10	EA	60.00	600.00
320	806.71430			32	CEMENT BASKET	"	"	1	EA		104.00

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

I do do not require IPC (Instrument Protection). Not offered


SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>2988</u>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM 40.5% CONTINUATION PAGE(S) <u>9202</u>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					<u>729.47</u>
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				1209081
TREE CONNECTION	TYPE VALVE		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>7279</u>
			<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

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) <u>X</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>J. Broadfoot</u>	HALLIBURTON OPERATOR/ENGINEER <u>J. Broadfoot</u>	EMP # <u>44604</u>	HALLIBURTON APPROVAL <u>J. Broadfoot 40.5%*</u>
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JOB LOG HAL-2013-C

 CUSTOMER **Oxy USA Inc.** WELL NO. **A-3** LEASE **MINGENBACK** JOB TYPE **5 1/2 LONG STRING** TICKET NO. **921309**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000 2230							called out - Ready 2400 on loc. - circulating hole start to run CSG.
	0230							
	0400							Hook up CMT HEAD
	0415							Circulation top, T - SAFETY MEETING
	0435							Hook up CMT LINE -
	0440							PRESSURE TEST 2000 PSI
	0444	3/4	3			10		START Pumping R&I
	0448	1	2			2		START Pumping MH
	0450	0	0			0	0	Hook up MAIN CSG. START Job
	0451	4.6	187				0	LEAD CMT. 11.1 #
	0532	5.5	33				180 210	TAIL CMT 13.2 #
	0538	0	0			-	0	SHUT OFF WASHUP - DROP PLUG
	0542	6.4	58				0 400	START DISPLACEMENT N ₂ O ADDITIVES
	0551	2	10				400 1200	SLOW RATE - TOTAL (68 BBL)
	0556	-	-			-	-	PLUG LANDED - FLOAT RELEASED Job OVER
								ORIGINAL
								600 BBL CMT PIT 1055 Ks.
								 THANKS FOR CALLING HALLIBURTON ENERGY SERVICES LIBERAL KS. "HAVE A GOOD DAY"
								BRADFORD-CORNELSEN - DENNIS CORPENING ADAIR RECEIVED STATE CORPORATION COMMISSION AUG 22 1996



JOB SUMMARY

HALLIBURTON DIVISION MIA CONTINENT
 HALLIBURTON LOCATION LIBERAL Ks

BILLED ON TICKET NO. 921309

CUSTOMER: **OKY USA INC.**
 LEASE: **MINGENBACK A-3**
 WELL NO.: **A-3**
 JOB TYPE: **5 1/2 LONG STRING**
 DATE: **3-26-96**

WELL DATA
 FIELD: _____ SEC. 22 TWP. 34S RING. 40W 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	N	14	5 1/2	KB	2808	
LINEAR	U	28	8 5/8	GL	564	
TUBING						
OPEN HOLE			7 7/8	564	2815	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-25-96</u>	DATE <u>3-25-96</u>	DATE <u>3-26-96</u>	DATE <u>3-26-96</u>
TIME <u>2000</u>	TIME <u>2230</u>	TIME <u>0440</u>	TIME <u>0600</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
TYPE AND SIZE <u>5 1/2</u>		
FLOAT COLLAR <u>INSERT</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>FILLUP</u>	<u>1</u>	
GUIDE SHOE <u>REGULAR</u>	<u>1</u>	<u>O</u>
CENTRALIZERS <u>S-4</u>	<u>10</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>SW</u>	<u>1</u>	
HEAD <u>CMT BASKET</u>	<u>1</u>	<u>C</u>
PACKER		
OTHER		<u>O</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. BROADFOOT</u>	<u>420045</u>	<u>LIBERAL Ks.</u>
<u>C. CORNELSEN</u>	<u>52947</u>	<u>"</u>
<u>J. ADAIR</u>	<u>50866</u>	<u>HUGOTON Ks.</u>
<u>DENNIS CORPENING</u>	<u>4037</u>	<u>"</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 _____

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CMT 5 1/2 LONG STRING
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X
 HALLIBURTON OPERATOR T. Broadfoot
 COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>335</u>	<u>MC PREM+</u>		<u>B</u>	<u>2% C.C. - 1/4 FLOCELE</u>	<u>3.22</u>	<u>11.1</u>
<u>1</u>	<u>100</u>	<u>MC PREM+</u>		<u>B</u>	<u>2% C.C. 1/4 FLOCELE</u>	<u>1.84</u>	<u>13.2</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 ORDERED _____ AVAILABLE _____ USED _____
 TREATING _____ DISPL. _____ OVERALL _____
 FEET 20.74 CEMENT LEFT IN PIPE _____
 REASON SHOE JT

VOLUMES

LOAD & BKDN: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____
 CEMENT SLURRY: BBL.-GAL. _____
 TOTAL VOLUME: BBL.-GAL. _____
 REMARKS MSDS GIVEN TO CO MAN
60 BBL CMT PIT - 105 SKS.

STATE CORPORATE RECEIVED
 AUG 2 2 1996

ORIGINAL