

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

API NO. 15-129-21487 000

County Morton

SW - SE - NW Sec. 16 Twp. 34S Rge. 40 X ^E/_W

3255 FSL Feet from S/N (circle one) Line of Section

3349 FEL Feet from E/W (circle one) Line of Section

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

Lease Name Bullard A "OWWO" Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3365' KB _____

Total Depth 2883' PBTD 2869'

Amount of Surface Pipe Set and Cemented at 2705' 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 REENTRY JTB 3-10-98
(Data must be collected from the Reserve Pit)

Chloride content 2000 ppm Fluid volume 600 bbls

Dewatering method used X 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: License # 5447

Name: OXY USA Inc.

Address P. O. Box 300

City/State/Zip Tulsa, OK 74102-0300

Purchaser: NN

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 X Re-Entry _____ Workover

_____ Oil _____ SWD _____ SLOW _____ Temp. Abd.

_____ Gas _____ ENHR XXX SIGW

_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Hamilton Brothers

Well Name: Bullard 1-16

Comp. Date Unknown Old Total Depth 2883'

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

_____ Plug Back _____ PBTD

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

2-8-97 2-11-97 5-8-97

REENTRY Date of _____ 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, re-completion, 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 5-8-97

Subscribed and sworn to before me this 9th day of May, 1997.

Notary Public Elizabeth Kinion ELIZABETH KINION

Date Commission Expires 2-26-2000

K.C.C. OFFICE USE ONLY

F _____ Letter of Confidentiality Attached

C X _____ Wireline Log Received

C _____ Geologist Report Received

Distribution

_____ KCC _____ SWD/Rep _____ NGPA

_____ KGS _____ Plug _____ Other (Specify)

Operator Name OXY USA Inc.

Lease Name Bullard A Well # 2

Sec. 16 Twp. 34S Rge. 4D
 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.) See Attached

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run: Ran cased hole log

Name	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample	
	Top	Datum
Herington	2478	898
Krider	2512	864
Winfield	2548	828
Towanda	2632	744
Ft. Riley	2685	691

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	2705	Unknown		
Production	7 7/8"	5 1/2"	14	2882	Class A	330 sx	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				

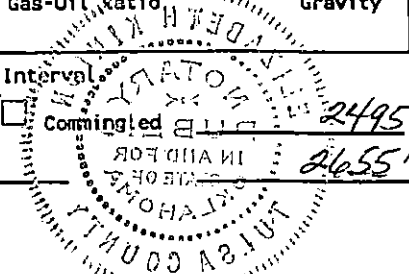
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	Chase 2495-2499'; 2513-2514;	2518-2521'; 2560-2563';	Accidized w/1700 gal.
	2590-2592'; 2628-2631';	2654-2655';	7 1/2% HCL	
			Frac'd w/49600 gal.	
			Delta gel	

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
		2 3/8"		2723'			
Date of First, Resumed Production, SWD or Inj. Pump Testing			Producing Method				
Waiting for connection			<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		
		866 CAOF					

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

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

Production Interval: Commingled 2495' 2655'



For

RAYMOND HUI

Room

1720

For

Room

For

Room

For

Room

For

Room

For

Room

For

Room

RECEIVED
KANSAS CORP COMM

1997 SEP 12 P 1:22

Approve

Forward

Other
Remarks

We did not set surface

Comply

Reply

pasing because this was a

Advise
Investigate

Return

wash down.

File

For Your
Information

A

From

PAL WYLLIE

Date

2-11-97



HALLIBURTON ENERGY SERVICES
HAL-1906-P

CHARGE TO: Oil USA
ADDRESS: _____
CITY, STATE, ZIP CODE: _____

CUSTOMER COPY

TICKET

No. **185414 - 9**

RECEIVED
KANSAS CORP
SEP 12 '97

PAGE 1 OF 7

SERVICE LOCATIONS 1. <u>Liberal</u>	WELL/PROJECT NO. <u>3</u>	LEASE <u>Bullard A</u>	COUNTY/PARISH <u>Morton</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION <u>SEP 12 '97</u>	DATE <u>2-10-97</u>	OWNER <u>SAME</u>
2. <u>Hucaton</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA <u>TRUCK</u>	DELIVERED TO <u>206 W. 1st St</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	<u>02</u>	<u>02</u>	<u>Q35</u>				
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>					MILEAGE	<u>104</u>	<u>mi</u>			<u>2.77</u>	<u>310.94</u>
<u>000-119</u>						<u>104</u>	<u>mi</u>			<u>1.60</u>	<u>166.40</u>
<u>001-016</u>					Pump Charge	<u>2566</u>	<u>h</u>	<u>6</u>	<u>h</u>	<u>1.19</u>	<u>1500.00</u>
<u>019-315</u>					Mud Flush	<u>500</u>	<u>gal</u>	<u>1</u>	<u>gal</u>	<u>65</u>	<u>325.00</u>
<u>27</u>	<u>815.19311</u>				Fill Assy	<u>1</u>	<u>ea</u>				<u>69.00</u>
<u>24A</u>	<u>815.19251</u>				Insert Float Valve	<u>5 1/2</u>	<u>in</u>	<u>1</u>	<u>ea</u>		<u>131.00</u>
<u>12A</u>	<u>825.205</u>				Guide Shoe	<u>5 1/2</u>	<u>in</u>	<u>1</u>	<u>ea</u>		<u>121.00</u>
<u>40</u>	<u>806.60022</u>				Centralizer	<u>5 1/2</u>	<u>in</u>	<u>10</u>	<u>ea</u>	<u>60</u>	<u>600.00</u>
<u>320</u>	<u>806.71430</u>				Basket	<u>5 1/2</u>	<u>in</u>	<u>1</u>	<u>ea</u>		<u>109.00</u>
<u>018-203</u>					Clayfix	<u>Per gal</u>		<u>3</u>	<u>ea</u>	<u>29.00</u>	<u>84.00</u>
<u>218-517</u>					5517-21M	<u>Per gal</u>		<u>3</u>	<u>ea</u>	<u>30.25</u>	<u>90.75</u>
<u>030-016</u>					Top Plug	<u>5 1/2</u>		<u>1</u>	<u>ea</u>		<u>60.00</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

DATE SIGNED _____ 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	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?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	<u>3562</u>
FROM CONTINUATION PAGE(S)	<u>7943</u>
SUB-TOTAL	<u>11505</u>
APPLICABLE TAXES WILL BE ADDED ON INVOICE	

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>Ron Crist</u>	<u>Ron Crist</u>	<u>07653</u>	

TERMS AND CONDITIONS

(1295)

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 not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will constitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense 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 OKY	WELL NO. 3	LEASE Bullard A	JOB TYPE 035	TICKET NO. 185414
-----------------	---------------	--------------------	-----------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1550							called out
	1830							on loc just starting lay down
								Drill Pipe
	2225							out of hole w/ TA Drill Pipe lay
								down Kelly + mouse hole
	2320							Rig up casing crew
0022	2325							Start CSS
	0200							Pipe Run
	0211							circ to Pit
	0240							SAFETY Meeting
	0250							Hook to Cmt
	0300							2 Plug Rat mouse holes
	0310							0-150 Pump mid flush
	0312							150-100 Start Lead Cmt
	0325	7	103					100 Lead Cmt Pumped Start Tail Cmt
	0332	6.5	49					0 Tail Cmt Pumped Shut Down
								Wash Pump Lines Wash Plug
	0334							2-450 Start Displacement
	0348	6	54					150-550 Slow Rate
	0354	2	10					600-1200 Bump Plug
								set Pipe on Flange Then Release Pressure float held

ORIGINAL



JOB SUMMARY

HALLIBURTON DIVISION MID CONTINENTHALLIBURTON LOCATION: LIBERAL KSBILLED ON TICKET NO. 185414

WELL DATA

FIELD _____ SEC. 16 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	0	2866	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-10-97</u>	DATE <u>2-10-97</u>	DATE <u>1-11-97</u>	DATE <u>1-11-97</u>
TIME <u>1550</u>	TIME <u>16:30</u>	TIME <u>0220</u>	TIME <u>0254</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5 1/2 INSET FLOAR</u>	<u>1</u>	
FLOAT SHOE <u>FLUUP ASSEMBLY</u>	<u>1</u>	
GUIDE SHOE	<u>1</u>	
CENTRALIZERS <u>52</u>	<u>10</u>	
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER <u>CEMENT BASKET 52</u>	<u>1</u>	
OTHER		

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>RON CRIST</u>	<u>420045</u>	<u>LIBERAL KS</u>
<u>JASON NICHOLAS</u>	<u>52276</u>	<u>LIBERAL KS</u>
<u>CLAD HOWELL</u>	<u>3698</u>	<u>HUGSTON KS</u>
	<u>7131</u>	
	<u>6611</u>	
	<u>62098</u>	
	<u>D7653</u>	

ORIGINAL

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: 5001
 DESCRIPTION OF JOB: 035
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE: X Cal Wylie
 HALLIBURTON OPERATOR: Ron Crist
 COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>L</u>	<u>180</u>	<u>MIDCON PCE +</u>			<u>2% CALIZ 1/4 PPS FLOCCEL</u>	<u>3.22</u>	<u>11.1</u>
<u>T</u>	<u>150</u>	<u>MIDCON PCE +</u>			<u>2% CALIZ 1/4 PPS FLOCCEL</u>	<u>1.84</u>	<u>13.2</u>
<u>REM</u>	<u>25</u>	<u>MIDCON PCE +</u>			<u>2% CALIZ 1/4 PPS FLOCCEL</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 13 REASON Shed Joint

VOLUMES
 PRES LUSH: BBL.-GAL. MUD FLUSH 10 BBL
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. 169.9
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 68.2 0015
 CEMENT SLURRY: BBL.-GAL. LL 103.2 BBL, TC
 TOTAL VOLUME: BBL.-GAL. _____
 REMARKS
Circulated 11 BBL 17500 TC

CUSTOMER: OM USA
 LEASE: BULLARD A
 WELL NO.: _____
 JOB TYPE: _____
 DATE: 2-10-97