

**ORIGINAL**

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

API NO. 15-129-21466  
County Morton  
-SW - NE - NE Sec. 35 Twp. 34S Rge. 41 X <sup>E</sup> <sub>W</sub>

Operator: License # 5447  
Name: OXY USA Inc.  
Address P. O. Box 300

**CONFIDENTIAL**

4030 FSL Feet from S/N (circle one) Line of Section  
1250 FEL Feet from E/W (circle one) Line of Section

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

City/State/Zip Tulsa, OK 74102-0300

Lease Name Englemen A Well # 2

Purchaser: NN

Field Name Hugoton

Operator Contact Person: Raymond Hui

Producing Formation Chase

Phone (918) 561-3548

Elevation: Ground 3410' KB \_\_\_\_\_

Contractor: Name: Cheyenne Drilling Co.

Total Depth 2750' PBDT 2712'

License: 5382

Amount of Surface Pipe Set and Cemented at 518 Feet

Wellsite Geologist: None

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes X No

Designate Type of Completion

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

New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

If Alternate II completion, cement circulated from \_\_\_\_\_

Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW \_\_\_\_\_ Temp. Abd.  
 Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

If Workover:

Drilling Fluid Management Plan A.H. 1, 9-23-98 U.C.  
(Data must be collected from the Reserve Pit)

Operator: SEP 25 1998

Chloride content 3200 ppm Fluid volume 1800 bbls

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

Dewatering method used Evaporation

Comp. Date FROM CONFIDENTIAL

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

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

Operator Name \_\_\_\_\_

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

12-9-96 12-12-96 1-30-97  
Spud Date Date Reached TD Completion Date

Quarter FEB 28 Sec. 35 Twp. \_\_\_\_\_ Rng. \_\_\_\_\_ E/W

County CONFIDENTIAL Docket No. \_\_\_\_\_

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

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

Signature Raymond Hui

Title \_\_\_\_\_ Analyst \_\_\_\_\_ Date 2-19-97

Subscribed and sworn to before me this 19th day of February, ~~1996~~ 1997.

Notary Public Karen Anne Wells

Date Commission Expires 9-22-97

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

Operator Name OXY USA Inc.

SIDE TWO

Lease Name Englemen A Well # 2

Sec. 35 Twp. 34S Rge. 41  
 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>Hallenberg</td> <td>2352</td> <td>1069</td> </tr> <tr> <td>Herington</td> <td>2368</td> <td>1053</td> </tr> <tr> <td>Krider</td> <td>2378</td> <td>1043</td> </tr> <tr> <td>Winfield</td> <td>2422</td> <td>999</td> </tr> <tr> <td>Towanda</td> <td>2468</td> <td>953</td> </tr> <tr> <td>Ft. Riley</td> <td>2550</td> <td>871</td> </tr> <tr> <td>Wreford</td> <td>2650</td> <td>771</td> </tr> </tbody> </table>	Name	Top	Datum	Hallenberg	2352	1069	Herington	2368	1053	Krider	2378	1043	Winfield	2422	999	Towanda	2468	953	Ft. Riley	2550	871	Wreford	2650	771
Name	Top		Datum																							
Hallenberg	2352		1069																							
Herington	2368		1053																							
Krider	2378		1043																							
Winfield	2422	999																								
Towanda	2468	953																								
Ft. Riley	2550	871																								
Wreford	2650	771																								
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 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 (ft)	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24	2503'	CL A	210sx	3% cc
Production	7 7/8"	5 1/2"	14	2730	CLA	400 sx	2% cc

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth
2	2356-2430'	Acidized w/1600 gal 71/2%	
		HCL	
		Frac'd w/11514 gal delta	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>2445'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Pump Testing	<u>waiting on pipeline</u>			
Producing Method	<input 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	Water Bbls.	Gas-Oil Ratio Gravity
		121	18	

Disposition of Gas:    METHOD OF COMPLETION    Production Interval

Vented     Sold     Used on Lease     Open Hole     Perf.     Dually Comp.     Commingled

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

CUSTOMER COPY



HALLIBURTON

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

INVOICE

ORIGINAL

INVOICE NO.	DATE
160030	12/12/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
ENGLEMAN A 2		MORTON		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		CHEYENNE	CEMENT PRODUCTION CASING		12/12/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	ERASMO GALAVIZ	E-26		COMPANY TRUCK	18214

CONFIDENTIAL

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	UM.	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	120	MI	2.99	358.80
	DISCOUNT--(BID)	41.0	%		147.10
000-119	MILEAGE FOR CREW	120	MI	1.60	192.00
	DISCOUNT--(BID)	41.0	%		78.72
001-016	CEMENTING CASING	2750	FT	1,500.00	1,500.00
	DISCOUNT--(BID)	41.0	%		615.00
030-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	60.00	60.00
	DISCOUNT--(BID)	41.0	%		24.60
12A 825.205	GUIDE SHOE - 5 1/2" BRD THD.	1	EA	121.00	121.00
	DISCOUNT--(BID)	32.0	%		38.72
24A 815.19251	INSERT FLOAT VALVE - 5 1/2" BRD	1	EA	131.00	131.00
	DISCOUNT--(BID)	32.0	%		41.92
27 815.19311	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	69.00	69.00
	DISCOUNT--(BID)	32.0	%		22.08
40 806.60022	CENTRALIZER-5-1/2 X 7-7/8	1	EA	60.00	60.00
	DISCOUNT--(BID)	32.0	%		19.20

RELEASED

SEP 25 1998

FROM CONFIDENTIAL

FEB 28

CONFIDENTIAL

Other service

Handwritten signature/initials

RECEIVED  
1997 MAR -3  
D 2:07  
COMMERCIALS COMP COMM

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

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

FORM HAL-1900-F

PAGE: 1

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



HALLIBURTON

INVOICE

ORIGINAL

INVOICE NO.	DATE
160030	12/12/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
ENGLMEN A 2		MORTON		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		CHEYENNE	CEMENT PRODUCTION CASING		12/12/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	ERASMO GALAVIZ	E-26	97-65-6	COMPANY TRUCK	18214

CONFIDENTIAL

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	UM	UNIT PRICE	AMOUNT
320 806.71430	BASKET-CMT-5 1/2 CSG X 17"OD-	1	EA	104.00	104.00 *
	DISCOUNT-(BID)	32.0	%		33.28
66 806.72730	CLAMP-LIMIT-5 1/2-FRICT-W/DOGS	1	EA	16.00	16.00 *
	DISCOUNT-(BID)	32.0	%		5.12-
350 890.10802	HALLIBURTON WELD-A	1	EA	16.75	16.75 *
	DISCOUNT-(BID)	32.0	%		5.36-
504-282	MIDCON-2 PREMIUM PLUS CEMENT	400	SK	16.76	6704.00 *
	DISCOUNT-(BID)	41.0	%		2748.64-
509-406	ANHYDROUS CALCIUM CHLORIDE	8	SK	40.75	326.00 *
	DISCOUNT-(BID)	41.0	%		133.66-
507-210	FLOCELE	160	LB	1.65	264.00 *
	DISCOUNT-(BID)	41.0	%		108.65-
313-396	BE-6	1	LB	70.00	70.00 *
	DISCOUNT-(BID)	41.0	%		28.70-
314-163	CLAYFIX II	3	GAL	28.00	84.00 *
	DISCOUNT-(BID)	41.0	%		34.44-
218-517	SSD-21M	3	GAL	30.25	90.75 *
	DISCOUNT-(BID)	41.0	%		37.20-
500-207	BULK SERVICE CHARGE	443	CFT	1.35	598.05 *
	DISCOUNT-(BID)	41.0	%		245.20-

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

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FORM-HAL-1900-F

PAGE: 2

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



HALLIBURTON

INVOICE

ORIGINAL

INVOICE NO.	DATE
160030	12/12/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
ENGLEMAN A 2		MORTON		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
LIBERAL		CHEYENNE		CEMENT PRODUCTION CASING	
TICKET DATE					
12/12/1996					
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	ERASMO GALAVIZ	E-26		COMPANY TRUCK	18214

CONFIDENTIAL

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	UM	UNIT PRICE	AMOUNT
500-306	MILEAGE CMTG MAT DEL OR RETURN	517.48	TMI	1.05	543.35
	DISCOUNT-(BID)	41.0 %			222.77-
					11,749.70

INVOICE SUBTOTAL

11,749.70

DISCOUNT-(BID)

INVOICE BID AMOUNT

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

Handwritten notes: A.H.1, 9-22-95 UC.

Stamp: KANSAS RECEIVED  
FEB 28 1997  
COMM. DIV. OF REVENUE  
LIBERAL, KS

FEB 28

CONFIDENTIAL

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$7,447.32

AFFIX JOB TKT

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HALLIBURTON

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

INVOICE

ORIGINAL

INVOICE NO.	DATE
107359	12/10/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
ENGLEMAN A 2	MORTON	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	CHEYENNE	CEMENT SURFACE CASING	12/10/1996		
AGCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	CAL WYLIE	E-26	4	COMPANY TRUCK	17644

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

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:  
P O BOX 1598  
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	45 MI		2.99	134.55
	DISCOUNT--(BID)	2 UNT		11.11	22.22
		41.0 %			112.33
000-119	MILEAGE FOR CREW	45 MI		1.60	72.00
	DISCOUNT--(BID)	2 UNT			3.00
		41.0 %			29.04
001-016	CEMENTING CASING	502 FT		915.00	457,430.00
	DISCOUNT--(BID)	1 UNT			915.00
		41.0 %			386,515.00
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8 IN		130.00	1,040.00
	DISCOUNT--(BID)	1 EA			130.00
		41.0 %			910.00
41	CENTRALIZER - 8-5/8 X 12-1/4	3 EA		61.00	183.00
806.61048	DISCOUNT--(BID)	32.0 %			58.56
320	BASKET-CMT-8 5/8 CSG X 21"-SLP	1 EA		124.00	124.00
806.71440	DISCOUNT--(BID)	32.0 %			39.68
597	BAFFLE PLATE - 8 5/8"	1 EA		50.00	50.00
825.1269	DISCOUNT--(BID)	32.0 %			16.00
550	HALLIBURTON WELD-A	1 EA		16.75	16.75
890.10802	DISCOUNT--(BID)	32.0 %			5.36

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

AFFIX JOB TKT

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FORM HAL-1900-F

PAGE 1

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HALLIBURTON

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DALLAS, TX 75395-1046

INVOICE

ORIGINAL

INVOICE NO.	DATE
107359	12/10/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
ENGLEMEN A 2		MORTON		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		CHEYENNE	CEMENT SURFACE CASING		12/10/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
459167	CAL WYLIE	E-26		COMPANY TRUCK	17644

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

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:  
P O BOX 1598  
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
504-282	MIDCON-2 PREMIUM PLUS CEMENT DISCOUNT-(BID)	110 41.0 %	SK	16.76	1843.60 *
504-050	CEMENT - PREMIUM PLUS DISCOUNT-(BID)	100 41.0 %	SK	13.12	1312.00 *
507-210	FLOCELE DISCOUNT-(BID)	53 41.0 %	LB	1.965	104.25 *
509-406	ANHYDROUS CALCIUM CHLORIDE DISCOUNT-(BID)	5 41.0 %	SK	40.75	203.75 *
500-207	BULK SERVICE CHARGE DISCOUNT-(BID)	330 41.0 %	CFT	1.35	445.50 *
500-306	MILEAGE CMTG MAT DEL OR RETURN DISCOUNT-(BID)	267.87 41.0 %	TMI	1.05	281.26 *

INVOICE SUBTOTAL

DISCOUNT-(BID)

INVOICE BID AMOUNT

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

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

RELEASED

SEP 25 1998

FROM CONFIDENTIAL

6,005.41

2,428.55-

3,576.86

136.88

27.93

41.89

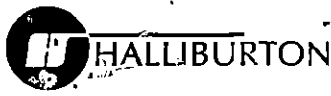
\$3,783.54

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FORM HAL-1900-F

PAGE: 2



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

HE5  
LIBERAL KS

BILLED ON TICKET NO. 107189

## WELL DATA

FIELD \_\_\_\_\_ SEC. 11 TWP. 34S RNG. 41W COUNTY MOETON 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 PBTD TOTAL DEPTH 2800

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>2654</u>	
LINER						
TUBING	<u>D.P.</u>	<u>16.60</u>	<u>4 1/2</u>	<u>KB</u>	<u>2800</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**ORIGINAL**

## JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>1/2" x 2"</u>	<u>1</u>	<u>Hawco</u>
FLOAT SHAPE <u>Fillup Assy</u>	<u>1</u>	<u>"</u>
GUIDE SHOE <u>REG 5 1/2"</u>	<u>1</u>	<u>"</u>
CENTRALIZERS <u>"</u>	<u>10</u>	<u>"</u>
BOTTOM PLUG <u>BASKET</u>	<u>1</u>	<u>"</u>
TOP PLUG <u>SW</u>	<u>"</u>	<u>"</u>
HEAD		
PACKER		
OTHER <u>W</u>		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-22-96</u>	DATE <u>12-22-96</u>	DATE <u>12-22-96</u>	DATE <u>12-22-96</u>
TIME <u>0500</u>	TIME <u>0800</u>	TIME <u>1100</u>	TIME <u>1710</u>

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>T. POYER</u>	<u>420042</u>	<u>LIBERAL</u>
<u>S. TATE</u>	<u>52823</u>	<u>"</u>
<u>B. MCINTYRE</u>	<u>50866</u>	<u>H. MOETON</u>
<u>H2308</u>	<u>7649</u>	<u>"</u>
<u>D. CORNING</u>	<u>4037</u>	<u>"</u>
<u>H2441</u>	<u>6612</u>	<u>"</u>

**CONFIDENTIAL**

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 5001  
DESCRIPTION OF JOB 675 P.B. J. BOSTON  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
CUSTOMER REPRESENTATIVE X [Signature]  
HALLIBURTON OPERATOR T. Poyer COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

**RELEASED**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>50</u>	<u>H</u>		<u>B</u>	<u>NEAT</u>	<u>1.07</u>	<u>16.4 #</u>
<u>2</u>	<u>175</u>	<u>P+ MIDCON</u>		<u>B</u>	<u>2% CC, 1/4# FLO,</u>	<u>3.22</u>	<u>11.1 #</u>
<u>3</u>	<u>150</u>	<u>"</u>		<u>"</u>	<u>"</u>	<u>1.84</u>	<u>13.2 #</u>
<u>RAY</u>	<u>25</u>	<u>"</u>		<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>

SEP 25 1996

FROM CONFIDENTIAL

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. 10 BBL TYPE \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. 62.6  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 173 BBL  
HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET -23 REASON Side Joint

SEE Job Log

CUSTOMER \_\_\_\_\_ LEASE Excelsior "A" WELL NO. \_\_\_\_\_ JOB TYPE 675 DATE 12-22-96

RECEIVED  
KANSAS CORP  
COMM



CUSTOMER <b>Oxy USA</b>	WELL NO. <b># 2</b>	LEASE <b>EMBLEY A</b>	JOB TYPE <b>675</b>	TICKET NO. <b>107189</b>
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0750							Called out - Requested 0800 CST
	0800							ON Loc. - Circ. on Bottom & Rig
	0830							Safety Meeting - Rig up + RT's
	0950							T.I.H.
	1107	0-4	10	✓		0/200		Hook-up to cement <b>ORIGINAL</b> Pump H <sub>2</sub> O
	1110	4	9 1/2	✓		200		Pump cement @ 50 sks
	1112	4	8 1/2	✓		150		Pump H <sub>2</sub> O
	1113	4	30 1/2	✓		150		Pump mud
	1120	4-0		✓		8%		Shut down - T.O.H @ 5 lbs @ Drill pipe
	1138			✓				Circ @ Kelly L.D.D.P
	1340							<b>CONFIDENTIAL</b> Run Csg @ 5 1/2 <sup>155</sup> FEB 26
	1535							ON Bottom @ 12' connections <b>CONFIDENTIAL</b>
	1552							Hook-up to circ.
	1605		4	✓		0/5000		Hook-up to cmt. Rat hole
	1620		3	✓		0/50		Hook-up to cmt mouse hole
					✓	0/		Hook-up to cmt. csg.
	1623	0-2	12	✓		0/150		Pump Mud flush
	1629	2-6 1/2	100	✓		150		Pump lead cmt. @ 175 sks
	1643	6 1/2-6	49	✓		200		Pump tail cmt. @ 150 sks
	1651	2-0				200%		Shut down - Drop plug - Wash-up
	1654	0-6	62	✓		0/400		Pump Displ. @ treated H <sub>2</sub> O
	1703	6-2		✓		400/300		Reduce Rate @ 54 bbls in.
	1705	2-0		✓		400/1000		Plug Down
	1708			✓		1000%		RELEASE PRESS. - Float "Hold"
								<b>RELEASED</b>
								SEP 25 1996
								Good mud RETURNS
								<b>FROM CONFIDENTIAL</b>
								Thank you! Tom + Sonny + crew

RECEIVED  
 1997 MAR 10  
 HALLIBURTON  
 CONFIDENTIAL