

SIDE ONE

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

Operator: License # 5447Name: OXY USA, Inc.Address P.O. Box 26100City/State/Zip Oklahoma City, OK 73126-0100Purchaser: CITGOOperator Contact Person: Raymond HuiPhone (405) 749-2471Contractor: Name: Allen Drilling CompanyLicense: 5418Wellsite Geologist: Bill Keller

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ Temp. Abd. Co.
☐ Gas ☐ Inj ☐ Delayed Comp. Wichita, Kansas
☐ Dry ☐ Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable9/20/919/25/9110/25/91

Spud Date

Date Reached TD

Completion Date

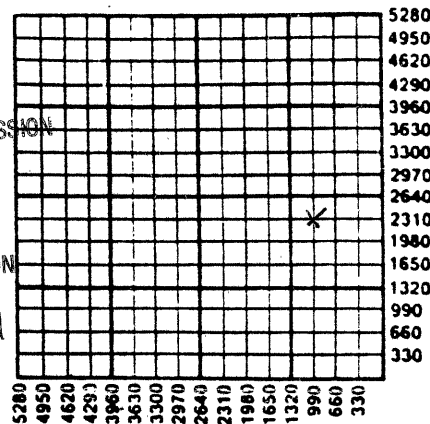
API NO. 15-

147-20533-00 NOV 8

County

Phillips**CONFIDENTIAL**ONW NE SE/4 Sec. 31 Twp. 5S Rge. 20 ☒ East ☒ West2310'990'

Ft. North from Southeast Corner of Section

Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Johnson B Well # 13Field Name RayProducing Formation ReaganElevation: Ground 2185' KB 2190'Total Depth 3696' PBDT 3672'Amount of Surface Pipe Set and Cemented at 393' FeetMultiple Stage Cementing Collar Used? ☒ Yes ☒ NoIf yes, show depth set 1743 FeetIf Alternate II completion, cement circulated from 1743feet depth to 0 w/ 400 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Vic TunlipsonTitle Operations Drilling Manager Date 11/7/91Subscribed and sworn to before me this 7th day of November 19 91.Notary Public Kelley D. AndrewsDate Commission Expires 8/19/95

K.C.C. OFFICE USE ONLY

F ☒ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☐ Drillers Timelog Received

Distribution

☒ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☐ Other
(Specify)

FROM CONFIDENTIAL

Form ACO-1 (7-89)

SIDE TWO

Operator Name OXY USA, Inc.Lease Name Johnson BWell # 13Sec. 31 Twp. 5SRge. 20☐ East
☒ WestCounty Phillips

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.)☐ Yes ☒ No

Samples Sent to Geological Survey

☒ Yes ☐ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☒ Yes ☐ NoRan Spectral Density Dual Spaced Neutron
II Log; Dual Induction Laterolog

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Topeka	3140'	3210'
Lecompton	3210'	3252'
Oread	3253'	3299'
Heebner	3299'	3323'
Toronto	3323'	3340'
LKC	3340'	3544'
Basal Penn	NP	
Reagan	3591'	3608'
Granite Wash	3608'-	3650'

CASING RECORD

☒ New ☐ 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#	393'	Cl. A.	270	3% CC
Production	7 7/8"	5 1/2"	14#	3695'	Cl. A	175	5% Cal-Seal

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
(Amount and Kind of Material Used) Depth

4	3589'-91'	Sptd 200 gal of NE Acid	3589'-91'
	3590'-3592'	Mixed 30 sx Micro-Mat cmt w/	
		0.75% CFR-3; sptd cmt @3592'	

TUBING RECORD

Size 2 7/8" Set At 3580' Packer AtLiner Run ☐ Yes ☒ NoDate of First Production
10/18/91

Producing Method

☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)Estimated Production
Per 24 Hours

Oil

Bbls.
52

Gas

Mcf

Water

Bbls.

Gas-Oil Ratio

Gravity

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled☐ Other (Specify) _____

Production Interval

3589'-3592'

CUSTOMER COPY

INVOICE

ORIGINAL

HALLIBURTON SERVICES

CONFIDENTIAL

P.O. BOX 981646
DALLAS, TX 75395-1046

A Halliburton Company

INVOICE NO. DATE

163481 09/20/1991

WELL LEASE NO./PLANT NAME

WELL/PLANT LOCATION

STATE

WELL/PLANT OWNER

JOHNSON B 14

PHILLIPS

KS

OXY USA INC.

SERVICE LOCATION

CONTRACTOR

JOB PURPOSE

TICKET DATE

BERLIN

ALLEN DRILLING

CEMENT SURFACE CASING

09/20/1991

ACCT NO.

CUSTOMER AGENT

VENDOR NO.

CUSTOMER P.O. NUMBER

SHIPPED VIA

FILE NO.

59167 KEITH COKER

E-26

COMPANY TRUCK 22568

OXY USA INC.
REGIONAL OFFICE
ATT: G. I. MCFARLAND
PO BOX 26100
OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

91572495 X 2360.1/724

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	50	MI	2.60	130.00
001-016	CEMENTING CASING	393	FT	515.00	515.00
40	CENTRALIZER 8-5/8" MODEL S-4	1	UNT		
807.93059		3	EA	62.00	186.00 *
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	IN	90.00	90.00
350	HALLIBURTON WELD-A	1	EA		
890.10802		1	LB	11.50	11.50 *
504-308	STANDARD CEMENT	270	SK	6.75	1,822.50 *
509-406	ANHYDROUS CALCIUM CHLORIDE	9	SK	26.25	236.25 *
507-210	FLOCELE	68	LB	1.30	88.40 *
500-207	BULK SERVICE CHARGE	288	CFT	1.15	331.20 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	654.2	TMI	.80	523.36 *

RECEIVED
STATE CORPORATION COMMISSION

DEC 30 1991

CONSERVATION DIVISION
WICHITA, KANSAS

D)
IT

TE SALES TAX
UNTY SALES TAX

3,934.21

786.84-
3,147.37

108.77
25.60

32

006

RELEASED

DEC 8 1992

FROM CONFIDENTIAL

PAY THIS AMOUNT \$3,281.74

Mr. Anderson:
Please note that
this invoice reflects
the cementing work
for the Johnson B #13
well.
Raymond

AFFIX JOB TKT

THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE, UPON
CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH
FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST
THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER
IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO

REMIT TO:

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

ORIGINAL

HALLIBURTON SERVICES

NOV 8

CONFIDENTIAL

A Halliburton Company

INVOICE NO. DATE

163484 09/26/1991

WELL LEASE NO./PLANT NAME

WELL/PLANT LOCATION

STATE

WELL/PLANT OWNER

JOHNSON B 13

PHILLIPS

KS

OXY USA

SERVICE LOCATION

CONTRACTOR

JOB PURPOSE

TICKET DATE

BERLIN

ALLEN DRLG

GREEN PRODUCTION CASING

09/26/1991

ACCT. NO.

CUSTOMER AGENT

VENDOR NO.

CUSTOMER P.O. NUMBER

SHIPPED VIA

FILE NO.

59167 DONALD SHELDEN

E-26

COMPANY TRUCK

22952

OXY USA INC.
REGIONAL OFFICE
ATT: G. I. MCFARLAND
PO BOX 26100
OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TO:

FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
504-308	STANDARD CEMENT	125	SK	6.75	843.75
508-127	CAL SEAL	6	SK	19.70	118.20
509-968	SALT	541	LB	.10	54.10
507-665	HALAD-9	35	LB	7.50	262.50
507-970	D-AIR 1, POWDER	29	LB	2.95	85.55
507-153	CFR-3	24	LB	4.10	98.40
504-316	HALLIBURTON LIGHT W/STANDARD	400	SK	6.28	2,512.00
507-210	FLOCELS	100	LB	1.30	130.00
509-968	SALT	400	LB	.10	40.00
500-207	BULK SERVICE CHARGE	602	CFT	1.15	692.30
500-306	MILEAGE CMTG MAT DEL OR RETURN	1362.35	TMI	.80	1,089.88
INVOICE SUBTOTAL					14,986.18
DISCOUNT-(BID) 20%					2,997.23
INVOICE BID AMOUNT					11,988.95
*-KANSAS STATE SALES TAX					363.12
*-DECATUR COUNTY SALES TAX					85.44
91572494 X 2360.1/224					
RELEASED					
DEC 0 8 1992					
FROM CONFIDENTIAL					
32 006					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$12,437.51

TERMS

INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

AFFIX JOB TKT

FORM 1900-R4

PAGE:

Work Sheet

District ~~4~~ 4

KCC-~~XXXX~~

(Oil, Gas, Water)

NOV 8

CONFIDENTIAL

Time _____
Called-In _____
Month _____ Day _____ Year 19 _____

API

15-147-20533

INDICINAL

Mr. Jim Nowell of OXY USA Inc.

Operator OXY USA Inc KCC # 5447

Address: 110 S. Main Wichita KS Phone # () _____

Lease Name Johnson Well # B-13

Location NW NE SE Sec. 31 Twp 5 Rge 20 W

County Phillips

10 3/4" _____ 8 5/8" 393' S.P. cwc w/ C.W.C. sk. cmt.

4 1/2" 5 1/2" 6" csg. set @ 3695 w/ Remarks sk. cmt.

T.D. 3696 Elev. 2187 Anh. _____ Dakota Base 1037

D.V. Tool @ 1743 Port Collar @ _____ Perf. @ _____ Other _____

Total Amount of cement and Blend: 400 5x H.L.C. w/ 1/4" Flowlts

Did cement circulate? Yes Date 9-26-91

3:50 PM

Cement Company: Haliburton

RECEIVED
STATE COMMISSION

Ticket # _____

RELEASED 0991

Who witnessed Dale F. Balthazor

DEC 8 1992

Remarks: 5 1/2 - 50 5x. 50/50 por 20% gel. 1/4" Flowlts per 5x. 1 1/2 5x

A-322 125 5x. of EAL w/ 1/4" 20 D. Air 10 5x

324 5 5x c.c. 3/10 20 Allied 9 3/10 20 CFR 3

AH II COMP. 3:50 PM 9-26-91

At Completion Rotary Rig
Pulping unit _____

Dale F. Balthazor

CUSTOMER

REMIT TO:

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.

DATE

163484

09/26/1991

WELL LEASE NO./PLANT NAME

WELL/PLANT LOCATION

STATE

WELL/PLANT OWNER

JOHNSON B 13

PHILLIPS

KS

OXY USA

SERVICE LOCATION

CONTRACTOR

JOB PURPOSE

TICKET DATE

OBERLIN

ALLEN DRLG

CERENO PRODUCTION CASING

09/26/1991

ACCT. NO.

CUSTOMER AGENT

VENDOR NO.

CUSTOMER P.O. NUMBER

SHIPPED VIA

FILE NO.

659167 DONALD SHELDEN

E-26

ORIGINAL

COMPANY TRUCK

22952

OXY USA INC.

REGIONAL OFFICE

ATT: G. I. MCFARLAND

PO BOX 26100

OKLAHOMA CITY, OK 73126-0100

NOV 8

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:

FIRST OKLAHOMA TOWER

210 WEST PARK AVENUE

SUITE 2050

OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
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507-665	HALAD-9	35	LB	7.50	262.50
507-970	D-AIR 1, POWDER	29	LB	2.95	85.55
507-153	CFR-3	24	LB	4.10	98.40
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507-210	FLOCELE	100	LB	1.30	130.00
509-968	SALT	400	LB	.10	40.00
500-207	BULK SERVICE CHARGE	602	CFT	1.15	692.30
500-306	MILEAGE CMTG MAT DEL OR RETURN	1362.35	TMI	.80	1,089.88
INVOICE SUBTOTAL					14,986.18
DISCOUNT-(BID) 20%					2,997.23-
INVOICE BID AMOUNT					11,988.95
*-KANSAS STATE SALES TAX					363.12
*-DECATUR COUNTY SALES TAX					85.44
91572494 X 2360.1/224					
32					
58					
006					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$12,437.51

RECEIVED
CORPORATE

NOV 20 1991

CONSE.

WILLIAMSON

RELEASED

DEC 8 1992

FROM CONFIDENTIAL

AFFIX JOB TKT

TERMS

INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE, UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM, IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

FORM 1900-R4

PAGE: 2

P.O. BOX 951046
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO. DATE

163481 09/20/1991

WELL LEASE NO./PLANT NAME WELL/PLANT LOCATION STATE WELL/PLANT OWNER

JOHNSON B 13 PHILLIPS KS OXY USA INC.

SERVICE LOCATION CONTRACTOR JOB PURPOSE TICKET DATE

BERLIN ALLEN DRILLING CEMENT SURFACE CASING 09/20/1991

ACCT. NO. CUSTOMER AGENT VENDOR NO. CUSTOMER P.O. NUMBER SHIPPED VIA FILE NO.

59167 KEITH COKER E-26 COMPANY TRUCK 22568

OXY USA INC.
REGIONAL OFFICE
ATT: G. I. MCFARLAND
PO BOX 26100
OKLAHOMA CITY, OK 73126-0100

NOV 8

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:

FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

91572495 X 2360.1/724

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	50	MI	2.60	130.00
		1	UNT		
001-016	CEMENTING CASING	393	FT	515.00	515.00
		1	UNT		
40	CENTRALIZER 8-5/8" MODEL S-4	3	EA	62.00	186.00 *
807-93059					
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	IN	90.00	90.00
		1	EA		
350	HALLIBURTON WELD-A	1	LB	11.50	11.50 *
890.10802					
504-308	STANDARD CEMENT	270	SK	6.75	1,822.50 *
509-406	ANHYDROUS CALCIUM CHLORIDE	9	SK	26.25	236.25 *
507-210	FLOCELE	68	LB	1.30	88.40 *
500-207	BULK SERVICE CHARGE	288	CFT	1.15	331.20 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	654.2	TMI	.80	523.36 *

INVOICE SUBTOTAL

3,934.21

DISCOUNT-(BID)
INVOICE BID AMOUNT

RECEIVED
STATE CORPORATION COMMISSION

786.84-

3,147.37

*-KANSAS STATE SALES TAX
*-DECATUR COUNTY SALES TAX

NOV 22 1991

108.77

25.60

CONSERVATION DIVISION
Wichita, Kansas

RELEASED

DEC 08 1992

FROM CONFIDENTIAL

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$3,281.74

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

AFFIX JOB TKT

FORM 1900-R4

PAGE: 1

~~CONFIDENTIAL~~

ORIGINAL

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials returned to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

~~CONSERVATION DIVISION~~
WICHITA, KANSAS

B-97784

APPLICABLE TAXES WILL
BE ADDED ON INVOICE.

**HALLIBURTON
APPROVAL**

FROM CONFIDENTIAL

BULK MATERIALS DELIVERY

AND

TICKET CONTINUATION

FOR INVOICE AND
TICKET NO.

163484

NOV 8

DATE 9/25/91	CUSTOMER ORDER NO. CONFIDENTIAL	WELL NO. AND FARM 13 Johnson 'B'	COUNTY Phillips	STATE KS
CHARGE TO OXY USA INC.		OWNER OXY USA INC.	CONTRACTOR Allen Drlg.	No. B 977841
MAILING ADDRESS P.O. Box 26100		DELIVERED FROM Oberlin, KS	LOCATION CODE 25529	PREPARED BY Lyle/Vickie
CITY & STATE Oklahoma City, OK 73126-0100		DELIVERED TO S/Logan, KS	TRUCK NO. 3346/4718	RECEIVED BY <i>Jack Moore</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308		1	B	Standard Cement	25	sk			6.75	168.75	
506-105		1	B	Pozmix 'A'	25	sk			3.90	97.50	
506-121		1	B	(1) Halliburton Gel Allowed 2%						N/C	
509-968		1	B	Salt Granualted 10%	239	lb			.10	23.90	
507-775		1	B	Halad-322 1.5%	63	lb			6.15	387.45	
507-210		1	B	Flocele 1/4#/sk.	13	lb			1.30	16.90	
504-308		1	B	Standard Cement	125	sk			6.75	843.75	
508-127		1	B	Cal-Seal 5%	6	sk			19.70	118.20	
509-968		1	B	Salt Granulated 10%	541	lb			.10	54.10	
507-665		1	B	Halad-9 .3%	35	lb			7.50	262.50	
507-970		1	B	D-Air-1 .25%	29	lb			2.95	85.55	
507-153		1	B	CFR-3 .2%	24	lb			4.10	98.40	
504-316		1	B	Halliburton Light Cement	400	sk			6.28	2,512.00	
507-210		1	B	Flocele 1/4#/sk.	100	lb			1.30	130.00	
509-968		1	B	Salt Granulated (On Side)	400	lb			.10	40.00	
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES		
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		1	B	SERVICE CHARGE				602.		1.15	692.30
500-306		1	B	Mileage Charge	54,494		50		1362.35	.80	1,089.88
				TOTAL WEIGHT		LOADED MILES		TON MILES			
No. B 977841				CARRY FORWARD TO INVOICE					SUB-TOTAL		6,621.18

WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 163484DISTRICT Hays KS

CONFIDENTIAL

DATE 9-26-91

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Oxy USA (CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 13 LEASE Johnson B SEC. 31 TWP. 5S RANGE 20WFIELD Ray Pool COUNTY Phillips STATE KS OWNED BY Oxy USA

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH 3696 MUD WEIGHT _____BORE HOLE 7 7/8INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCFPRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>		<u>5 1/2</u>	<u>KB</u>	<u>3695</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>KB</u>	<u>3696</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED _____

Cement 5 1/2" Production Casing w/ 50 sks 50/50 Poe w/ 10% Salt, 1/4" Floccle + 1.5% Halc 3.
125 sks EA-2 w/ 10% Salt, .3% Halc 322, .25% D-Air + .2% CFR-3 first stage. 2nd
stage 400 sks HLC w/ 1/4" Floccle, DVI tool on 45th Jt @ 1743.66, Latch down plug set
float shoe w/ Auto Fill, Centralizers on Jt's No. 1, 3, 5, 7, 9, 11, 13, 16, 44, + 46: Cmt. Basket on
45th Jt. 500 gal Super Flush + 500 gal Floccle 21 as directed
 As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.

b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:

1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

c) That 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 products supplies or materials, nor the results of any treatment 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 against any damages arising from the use of such information.

d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect punitive or consequential damages.

e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.

f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.

g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

CONSERVATION DIVISION
WICHITA, KANSAS

SIGNED

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

DATE

9-26-91

TIME

0900

A.M. P.M.

JOB SUMMARY

HALLIBURTON DIVISION Oklahoma City
HALLIBURTON LOCATION: Oberlin KS

BILLED ON TICKET NO. 163474

FIELD Ray Pool SEC 31 TWP SS RNG 20W COUNTY Phillips STATE KS

FORMATION NAME Ray TYPE SS

FORMATION THICKNESS 1100 FROM 0 TO 0

INITIAL PROD: OIL NOV WATER 8 BPD. GAS 0 MCFD 0

PRESENT PROD: OIL NOV WATER 8 BPD. GAS 0 MCFD 0

COMPLETION DATE CONFIDENTIAL MUD WT. ORIGINAL

PACKER TYPE 0 SET AT 0

BOTTOM HOLE TEMP. 0 PRESSURE 0

MISC. DATA 0 TOTAL DEPTH 3675

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR			
FLOAT SHOE <u>Reg 5 1/2</u>	<u>1EA</u>	<u>Howco</u>	
GUIDE SHOE			
CENTRALIZERS <u>S-4 5 1/2"</u>	<u>10EA</u>	<u>Howco</u>	
<u>Cmt. Basket 5 1/2"</u>	<u>1EA</u>	<u>Howco</u>	
TOP PLUG <u>Latch Down 5 1/2"</u>	<u>1EA</u>	<u>Howco</u>	
HEAD <u>Rotating 5 1/2"</u>	<u>1EA</u>	<u>Howco</u>	
<u>DV 5 1/2"</u>	<u>1EA</u>	<u>Howco</u>	
OTHER <u>DV. Plug + Bomb</u>	<u>1EA</u>	<u>Howco</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. _____ IN _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-26-91</u>	DATE <u>9-26-91</u>	DATE <u>9-26-91</u>	DATE <u>9-26-91</u>
TIME <u>0530</u>	TIME <u>0830</u>	TIME <u>0912</u>	TIME <u>1700</u>

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>J. Moore 34685</u>	<u>3579</u>	
<u>H. Berry 35068</u>	<u>47-400RCM</u>	<u>Oberlin KS</u>
	<u>3846</u>	
<u>S. Guesnier 79501</u>	<u>BulkTK</u>	<u>Oberlin KS</u>
	<u>4718</u>	
<u>M. Jones 52046</u>	<u>BulkTK</u>	<u>Oberlin KS</u>
	<u>37096</u>	
<u>T. Garrison 45326</u>	<u>Superi</u>	<u>Oberlin KS</u>

DEPARTMENT Cmt.

DESCRIPTION OF JOB Cmt. Production Casing

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

CUSTOMER REPRESENTATIVE X Donald E. Sheldon

HALLIBURTON OPERATOR J. Moore COPIES REQUESTED _____

CEMENT DATA							
STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>50</u>	<u>50/50 Pot</u>			<u>10% Salt, 2% Gel, 1/4 # Floccle</u>	<u>1.58 H-322</u>	<u>1.29</u>
<u>1</u>	<u>125</u>	<u>EA-2</u>			<u>10% Salt, .3% Halcid-9, .25% DAIR, .25% CFP-3</u>	<u>1.31</u>	<u>15.50</u>
<u>2</u>	<u>400</u>	<u>HLC</u>			<u>1/4 # Floccle</u>	<u>1.84</u>	<u>12.17</u>

PRESSURES IN PSI RECEIVED

CIRCULATING _____ STATE CORPORATION COMMISSION _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____

HYDRAULIC POWER _____ CONSERVATION DIVISION _____

ORDERED _____ AVAILABLE _____ WICHITA, KANSAS _____

AVERAGE RATES IN BPM _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 18 REASON Shoe Joint

VOLUMES

PRESLUSH: BBL-GAL. 46661 Schl Flash, 500 Super Flush, 500 ycl

LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

TREATMENT: BBL-GAL. _____ DISPL. 89 1/2 - 42 1/2

CEMENT SLURRY: BBL-GAL. 53 1/4 - 132

TOTAL VOLUME: BBL-GAL. _____ REMARKS See Job Log

THANK YOU

JOB LOG

WELL NO. 13

LEASE

Johnson B

TICKET NO.

168494

CUSTOMER

OxyUSA

PAGE NO.

#002

FORM 2013 R-2

JOB TYPE

Cm + Prod. Gas

DATE

9-26-91

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							On location. Casers rigging up
	0912							Start casing Jts New 14 #6
					NOV 8			5 1/2" pipe. Float shoe w/ AutoFill on
					CONFIDENTIAL			bottom of 18' Shoe Joint. Latch down
								baffle in top of Shoe Joint. Central
								on Joint Nos. 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 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813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999, 1001, 1003, 1005, 1007, 1009, 1011, 1013, 1015, 1017, 1019, 1021, 1023, 1025, 1027, 1029, 1031, 1033, 1035, 1037, 1039, 1041, 1043, 1045, 1047, 1049, 1051, 1053, 1055, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1119, 1121, 1123, 1125, 1127, 1129, 1131, 1133, 1135, 1137, 1139, 1141, 1143, 1145, 1147, 1149, 1151, 1153, 1155, 1157, 1159, 1161, 1163, 1165, 1167, 1169, 1171, 1173, 1175, 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1509, 1511, 1513, 1515, 1517, 1519, 1521, 1523, 1525, 1527, 1529, 1531, 1533, 1535, 1537, 1539, 1541, 1543, 1545, 1547, 1549, 1551, 1553, 1555, 1557, 1559, 1561, 1563, 1565, 1567, 1569, 1571, 1573, 1575, 1577, 1579, 1581, 1583, 1585, 1587, 1589, 1591, 1593, 1595, 1597, 1599, 1601, 1603, 1605, 1607, 1609, 1611, 1613, 1615, 1617, 1619, 1621, 1623, 1625, 1627, 1629, 1631, 1633, 1635, 1637, 1639, 1641, 1643, 1645, 1647, 1649, 1651, 1653, 1655, 1657, 1659, 1661, 1663, 1665, 1667, 1669, 1671, 1673, 1675, 1677, 1679, 1681, 1683, 1685, 1687, 1689, 1691, 1693, 1695, 1697, 1699, 1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747, 1749, 1751, 1753, 1755, 1757, 1759, 1761, 1763, 1765, 1767, 1769, 1771, 1773, 1775, 1777, 1779, 1781, 1783, 1785, 1787, 1789, 1791, 1793, 1795, 1797, 1799, 1801, 1803, 1805, 1807, 1809, 1811, 1813, 1815, 1817, 1819, 1821, 1823, 1825, 1827, 1829, 1831, 1833, 1835, 1837, 1839, 1841, 1843, 1845, 1847, 1849, 1851, 1853, 1855, 1857, 1859, 1861, 1863, 1865, 1867, 1869, 1871, 1873, 1875, 1877, 1879, 1881, 1883, 1885, 1887, 1889, 1891, 1893, 1895, 1897, 1899, 1901, 1903, 1905, 1907, 1909, 1911, 1913, 1915, 1917, 1919, 1921, 1923, 1925, 1927, 1929, 1931, 1933, 1935, 1937, 1939, 1941, 1943, 1945, 1947, 1949, 1951, 1953, 1955, 1957, 1959, 1961, 1963, 1965, 1967, 1969, 1971, 1973, 1975, 1977, 1979, 1981, 1983, 1985, 1987, 1989, 1991, 1993, 1995, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023, 2025, 2027, 2029, 2031, 2033, 2035, 2037, 2039, 2041, 2043, 2045, 2047, 2049, 2051, 2053, 2055, 2057, 2059, 2061, 2063, 2065, 2067, 2069, 2071, 2073, 2075, 2077, 2079, 2081, 2083, 2085, 2087, 2089, 2091, 2093, 2095, 2097, 2099, 2101, 2103, 2105, 2107, 2109, 2111, 2113, 2115, 2117, 2119, 2121, 2123, 2125, 2127, 2129, 2131, 2133, 2135, 2137, 2139, 2141, 2143, 2145, 2147, 2149, 2151, 2153, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2175, 2177, 2179, 2181, 2183, 2185, 2187, 2189, 2191, 2193, 2195, 2197, 2199, 2201, 2203, 2205, 2207, 2209, 2211, 2213, 2215, 2217, 2219, 2221, 2223, 2225, 2227, 2229, 2231, 2233, 2235, 2237, 2239, 2241, 2243, 2245, 2247, 2249, 2251, 2253, 2255, 2257, 2259, 2261, 2263, 2265, 2267, 2269, 2271, 2273, 2275, 2277, 2279, 2281, 2283, 2285, 2287, 2289, 2291, 2293, 2295, 2297, 2299, 2301, 2303, 2305, 2307, 2309, 2311, 2313, 2315, 2317, 2319, 2321, 2323, 2325, 2327, 2329, 2331, 2333, 2335, 2337, 2339, 2341, 2343, 2345, 2347, 2349, 2351, 2353, 2355, 2357, 2359, 2361, 2363, 2365, 2367, 2369, 2371, 2373, 2375, 2377, 2379, 2381, 2383, 2385, 2387, 2389, 2391, 2393, 2395, 2397, 2399, 2401, 2403, 2405, 2407, 2409, 2411, 2413, 2415, 2417, 2419, 2421, 2423, 2425, 2427, 2429, 2431, 2433, 2435, 2437, 2439, 2441, 2443, 2445, 2447, 2449, 2451, 2453, 2455, 2457, 2459, 2461, 2463, 2465, 2467, 2469, 2471, 2473, 2475, 2477, 2479, 2481, 2483, 2485, 2487, 2489, 2491, 2493, 2495, 2497, 2499, 2501, 2503, 2505, 2507, 2509, 2511, 2513, 2515, 2517, 2519, 2521, 2523, 2525, 2527, 2529, 2531, 2533, 2535, 2537, 2539, 2541, 2543, 2545, 2547, 2549, 2551, 2553, 2555, 2557, 2559, 2561, 2563, 2565, 2567, 2569, 2571, 2573, 2575, 2577, 2579, 2581, 2583, 2585, 2587, 2589, 2591, 2593, 2595, 2597, 2599, 2601, 2603, 2605, 2607, 2609, 2611, 2613, 2615, 2617, 2619, 2621, 2623, 2625, 2627, 2629, 2631, 2633, 2635, 2637, 2639, 2641, 2643, 2645, 2647, 2649, 2651, 2653, 2655, 2657, 2659, 2661, 2663, 2665, 2667, 2669, 2671, 2673, 2675, 2677, 2679, 2681, 2683, 2685, 2687, 2689, 2691, 2693, 2695, 2697, 2699, 2701, 2703, 2705, 2707, 2709, 2711, 2713, 2715, 2717, 2719, 2721, 2723, 2725, 2727, 2729, 2731, 2733, 2735, 2737, 2739, 2741, 2743, 2745, 2747, 2749, 2751, 2753, 2755, 2757, 2759, 2761, 2763, 2765, 2767, 2769, 2771, 2773, 2775, 2777, 2779, 2781, 2783, 2785, 2787, 2789, 2791, 2793, 2795, 2797, 2799, 2801, 2803, 2805, 2807, 2809, 2811, 2813, 2815, 2817, 2819, 2821, 2823, 2825, 2827, 2829, 2831, 2833, 2835, 2837, 2839, 2841, 2843, 2845, 2847, 2849, 2851, 2853, 2855, 2857, 2859, 2861, 2863, 2865, 2867, 2869, 2871, 2873, 2875, 2877, 2879, 2881, 2883, 2885, 2887, 2889, 2891, 2893, 2895, 2897, 2899, 2901, 2903, 2905, 2907, 2909, 2911, 2913, 2915, 2917, 2919, 2921, 2923, 2925, 2927, 2929, 2931, 2933, 2935, 2937, 2939, 2941, 2943, 2945, 2947, 2949, 2951, 2953, 2955, 2957, 2959, 2961, 2963, 2965, 2967, 2969, 2971, 2973, 2975, 2977, 2979, 2981, 2983, 2985, 2987, 2989, 2991, 2993, 2995, 2997, 2999, 3001, 3003, 3005, 3007, 3009, 3011, 3013, 3015, 3017, 3019, 3021, 3023, 3025, 3027, 3029, 3031, 3033, 3035, 3037, 3039, 3041, 3043, 3045, 3047, 3049, 3051, 3053, 3055, 3057, 3059, 3061, 3063, 3065, 3067, 3069, 3071, 3073, 3075, 3077, 3079, 3081, 3083, 3085, 3087, 3089, 3091, 3093, 3095, 3097, 3099, 3101, 3103, 3105, 3107, 3109, 3111, 3113, 3115, 3117, 3119, 3121, 3123, 3125, 3127, 3129, 3131, 3133, 3135, 3137, 3139, 3141, 3143, 3145, 3147, 3149, 3151, 3153, 3155, 3157, 3159, 3161, 3163, 3165, 3167, 3169, 3171, 3173, 3175, 3177, 3179, 3181, 3183, 3185, 3187, 3189, 3191, 3193, 3195, 3197, 3199, 3201, 3203, 3205, 3207, 3209, 3211, 3213, 3215, 3217, 3219, 3221, 3223, 3225, 3227, 3229, 3231, 3233, 3235, 3237, 3239, 3241, 3243, 3245, 3247, 3249, 3251, 3253, 3255, 3257, 3259, 3261, 3263, 3265, 3267, 3269, 3271, 3273, 3275, 3277, 3279, 3281, 3283, 3285, 3287, 3289, 3291, 3293, 3295, 3297, 3299, 3301, 3303, 3305, 3307, 3309, 3311, 3313, 3315, 3317, 3319, 3321, 3323, 3325, 3327, 3329, 3331, 3333, 3335, 3337, 3339, 3341, 3343, 3345, 3347, 3349, 3351, 3353, 3355, 3357, 3359, 3361, 3363, 3365, 3367, 3369, 3371, 3373, 3375, 3377, 3379, 3381, 3383, 3385, 3387, 3389, 3391, 3393, 3395, 3397, 3399, 3401, 3403, 3405, 3407, 3409, 3411, 3413, 3415, 3417, 3419, 3421, 3423, 3425, 3427, 3429, 3431, 3433, 3435, 3437, 3439, 3441, 3443, 3445, 3447, 3449, 3451, 3453, 3455, 3457, 3459, 3461, 3463, 3465, 3467, 3469, 3471, 3473, 3475, 3477, 3479, 3481, 3483, 3485, 3487, 3489, 3491, 3493, 3495, 3497, 3499, 3501, 3503, 3505, 3507, 3509, 3511, 3513, 3515, 3517, 3519, 3521, 3523, 3525, 3527, 3529, 3531, 3533, 3535, 3537, 3539, 3541, 3543, 3545, 3547, 3549, 3551, 3553, 3555, 3557, 3559, 3561, 3563, 3565, 3567, 3569, 3571, 3573, 3575, 3577, 3579, 3581, 3583, 3585, 3587, 3589, 3591, 3593, 3595, 3597, 3599, 3601, 3603, 3605, 3607, 3609, 3611, 3613, 3615, 3617, 3619, 3621, 3623, 3625, 3627, 3629, 3631, 3633, 3635, 3637, 3639, 3641, 3643, 3645, 3647, 3649, 3651, 3653, 3655, 3657, 3659, 3661, 3663, 3665, 3667, 3669, 3671, 3673, 3675, 3677, 3679, 3681, 3683, 3685, 3687, 3689, 3691, 3693, 3695, 3697, 3699, 3701, 3703, 3705, 3707, 3709, 3711, 3713, 3715, 3717, 3719, 3721, 3723, 3725, 3727, 3729, 3731, 3733, 3735, 3737, 3739, 3741, 3743, 3745, 3747, 3749, 3751, 3753, 3755, 3757, 3759, 3761, 3763, 3765, 3767, 3769, 3771, 3773, 3775, 3777, 3779, 3781, 3783, 3785, 3787, 3789, 3791, 3793, 3795, 3797, 3799, 3801, 3803, 3805, 3807, 3809, 3811, 3813, 3815, 3817, 3819, 3821, 3823, 3825, 3827, 3829, 3831, 3833, 3835, 3837, 3839, 3841, 3843, 3845, 3847, 3849, 3851, 3853, 3855, 3857, 3859, 3861, 3863, 3865, 3867, 3869, 3871, 3873, 3875, 3877, 3879, 3881, 3883, 3885, 3887, 3889, 3891, 3893, 3895, 3897, 3899, 3901, 3903, 3905, 3907, 3909, 3911, 3913, 3915, 3917, 3919, 3921, 3923, 3925, 3927, 3929, 3931, 3933, 3935, 3937, 393

JOB LOG

WELL NO.

13

LEASE

Johnson B

TICKET NO.

163484

CUSTOMER

Oxy USA

PAGE NO.

202

FORM 2013 R-2

JOB TYPE

Cmt Prod. Csg.

DATE

9-26-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (CMT)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1340	7	70					400	Caught pressure
1344	7	89					600	Pressure & rate
1344	7	89.7					1600	Plug down - Finish Displacement
1346								Release - Held
1347							1600	Pressure csg. - Held
1348								Release - Held
1350								Drop D.V. Bomb
1407							1200	Open DV
1409								Rig circulate
1547								Hook up to Howco
1550	5						100	Start 5bbl Fresh water spacer ahead
1551	6	5wtr					100	Finish spacer - Start 400sks HLC cement w/ 1/4" flocele
1618	6	125 cmt					100	Cement circulated down
1620	6	132 cmt					100	Finish Cement - Shut Down
1621	8						400	Release plug & start Disp.
1626	8	42					600	Pressure & rate
1626	8	42 3/4					1550	Finish Displacement - Plug Down
1631								Release - Held
1632								Wash up truck
1645								Rack up
1700								Job complete
								Thank you
								Terry - Jack - Harold - Mike
								Circulated 48bbl Cmt
								RECEIVED STATE CORPORATION COMMISSION DEC 8 0 1991 CONSERVATION DIVISION WICHITA, KANSAS
								RELEASED DEC 8 0 1992
								FROM CONFIDENTIAL

ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION
DEC 8 0 1991
CONSERVATION DIVISION
WICHITA, KANSAS

RELEASED

DEC 8 0 1992

FROM CONFIDENTIAL

WELL NO. - FARM OR LEASE NAME

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials returned to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

[illegible]

B-97784

X _____
CUSTOMER OR HIS AGENT (SIGNATURE)

Jack Moore
HALLIBURTON OPE

DEC 08 1992

**SUB
TOTAL**

APPLICABLE TAXES WILL
BE ADDED ON INVOICE

FROM CONFIDENTIAL

EXTRA COPY



**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

ORIGINAL
NOV 8 1991

A Division of Halliburton Company

DATE 9/25/91	CUSTOMER ORDER NO.	WELL NO. AND FARM 12 Johnson 'B' "A/E"	COUNTY Pottawatomie	STATE KS
CHARGE TO OXY USA INC.		OWNER OXY USA INC.	CONTRACTOR Allen Drig.	No. B 977841
MAILING ADDRESS P.O. Box 26100		DELIVERED FROM Oberlin, KS	LOCATION CODE 25529	PREPARED BY Lyle/Vickie
CITY & STATE Oklahoma City, OK 73126-0100		DELIVERED TO S. Taggart, KS	TRUCK NO. 3046/4718	RECEIVED BY [Signature]

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308		1	B	Standard Cement	25	sk			6.75	168.75	
506-105		1	B	Pozmix 'A'	25	sk			3.90	97.50	
506-121		1	B	(1) Halliburton Gel Allowed 2%						N/C	
509-968		1	B	Salt Granulated 10%	339	lb			.10	23.90	
507-775		1	B	Halad-322 1.5%	63	lb			6.15	387.45	
507-210		1	B	Floccle 1/4#/sk.	13	lb			1.30	16.90	
504-308		1	B	Standard Cement	125	sk			6.75	843.75	
508-127		1	B	Cal-Seal 5%	6	sk			19.70	118.20	
509-968		1	B	Salt Granulated 10%	541	lb			.10	54.10	
507-665		1	B	Halad-9 .3%	35	lb			7.50	262.50	
507-970		1	B	D-Air-1 .25%	29	lb			2.95	85.55	
507-153		1	B	CFR-3 .2%	24	lb			4.10	98.40	
504-316		1	B	Halliburton Light Cement	400	sk			6.28	2,512.00	
507-210		1	B	Floccle 1/4#/sk.	100	lb			1.30	130.00	
509-968		1	B	Salt Granulated (On Side)	400	lb			.10	40.00	

FORM 1911 - R6 REV. 8-85

FROM CONFIDENTIAL

EXTRA COPY

WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 163484DISTRICT HAYS KSDATE 9-26-91

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: OxyUSA

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

(CUSTOMER)

WELL NO. 13

LEASE

Johnson B

SEC.

TWP.

CONFIDENTIAL

RANGE

FIELD Ray PoolCOUNTY PhillipsSTATE KS

OWNED BY

OxyUSA

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH 3696 MUD WEIGHT _____

BORE HOLE 7 7/8

INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>		<u>5 1/2</u>	<u>KB</u>	<u>3695</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>KB</u>	<u>3696</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT:

DATE

TYPE

MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED

Cement 5 1/2" Product on Casing w/ 50 sks 50/50 Pac w/ 10% Salt, 1/4" Flocc + 1.5% H₂ad 32
125 sks EA-2 w/ 10% Salt, 3% H₂ad 322, 25% D-Air + .2% CFR-3 + inst stage. 2nd
stage 40 sks HLC w/ 1/4" Flocc, DV tool on 45th Jt @ 174366, Land down plug set
Flow shoe w/ Auto Fill, Cement pills on Jts No. 1, 3, 5, 7, 9, 11, 13, 16, 44, + 46: Cmt. Basket on
44th St. 500 gal Sapert USA + 500 gal Flocc at as directed

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

- That 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 products, supplies or materials, nor the results of any treatment 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 any damages arising from the use of such information.
- That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, incorrect, punitive or consequential damages.
- That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments used in line operations, Customer shall, in addition to the foregoing, be fully responsible for loss or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the negligence of Halliburton.
- To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act permitted by law.
- That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- That Halliburton shall not be bound by any changes or modifications in this contract except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

CONSERVATION DIVISION
WICHITA, KANSAS

SIGNED

I HAVE READ AND UNDERSTAND THIS CONTRACT AND I HEREBY
THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

DATE

9-26-91

TIME

0900

A.M. P.M.

RETAIN

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKlahoma City
Oberlin KS

BILLED ON
TICKET NO. 163494

FIELD Ray Pool SEC 31 TWP 5S RNG 300 COUNTY Ph. **ORIGINAL**

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
PRESENT PROD. OIL _____ BPD. WATER NOV BPD. GAS _____ MCFD _____
COMPLETION DATE _____ MUD TYPE _____ MWDWT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH 3696

JOB DATA

CALL OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-26-91</u>	DATE <u>9-26-91</u>	DATE <u>9-26-91</u>	DATE <u>9-26-91</u>
TIME <u>0530</u>	TIME <u>0830</u>	TIME <u>0912</u>	TIME <u>1700</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. Moore 84615	3579	
H. Berry 85068	4240RM	Chadwick
	3496	
Sigmund 77501	3417K	Oberlin KS
	4718	
M. Jones 52046	3417K	Oberlin KS
	37096	
T. Garrison 45326	5441	Oberlin KS

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. _____ IN _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____

DEPARTMENT Cont.
DESCRIPTION OF JOB Cont. Producing Casing

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

CUSTOMER REPRESENTATIVE X Donald E. Sheldon

HALLIBURTON OPERATOR J. Moore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	50	50/50 P/C			10% Salt, 2% Gel, 1% Thick, 1% H ₂ O ₂	14.38	
1	125	125-2			10% Salt, 3% Gel, 1% Thick, 1% H ₂ O ₂	15.50	
2	400	HLC			14% Thick	12.17	

PRESSURES IN PSI

RECEIVED SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES. LOSS: BBL.-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
SHUT-IN: INSTANT _____ 5-MIN. _____ CEMENT SLURRY: BBL.-GAL. _____
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 18 REASON Shut In

STATE CORPORATION COMMISSION

CONSERVATION DIVISION
WICHITA, KANSAS

REMARKS

RELEASED

DEC 08 1992

FROM CONFIDENTIAL

JOB LOG

WELL NO. 13 LEASE JOHNSON B TICKET NO. 168494CUSTOMER OK, USA PAGE NO. 1 of 2JOB TYPE CM DATE 9-26-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							2nd location. Casings rigging up.
	0912							Start casing Jts New 14 1/2" 5 1/2" pipe. Float shoe w/ Auto. 11 on bottom of 18" Shoe Joint. Latch down baffle in top of Shoe Joint. Centralize on Joint Nos. 1, 3, 5, 7, 9, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
				NOV	8			CONFIDENTIAL
								1743.66. Cement Basket on 45th Joint below DV. Howco weld float shoe + DV tool. Drop Ball w/ 3 Jts left to run.
	1036							Finish running casing - Hook up rotating head + manifold.
	1049							Rig circulate - pumped ball through insert @ 500 psi. Rig circulate while rotating casing.
	1251							Hook up to Howco - Rig rotate csg.
	1255	6	5 wtr			100		Start 5bbl Fresh water spacer
	1257	6				100		Finish spacer - Start 40bbl Salt Flush w/ 1 bag Descu.
	1303	6	40 salt/flush			150		Finish Salt Flush - Start 500 gal Super Flush - 3bbl spacer
	1306	6	12 super-Flush			150		Finish Super Flush - Start 500gal Flush 21
	1309	6	12 flush 21			200		Finish Flush 21 - start 5bbl fresh water spacer
	1310	5	5 wtr			200		Finish spacer - Start Cement - 50skts 50/50 Pac w/ 10% Salt, 2% Gel 1/4" flack, 1.5% Haled 322.
	1316	4 1/2	11 1/2 cmf			0		Finish 50skts - Start 125skts E-1-2 cmf w/ 5% Cal-Seal, 10% Salt, .3% Haled 9, .25% D-Air + .2% CFR-3
	1327	4 1/2	41			0		Finish Cement - Shut Down Wash up Pump + Lines
	1329	7				150		Start Disp - 47bbl fresh water + 42 1/2 bbl mud

DEC 8 1992

RETAIN

FROM CONFIDENTIAL

JOB LOG

WELL NO. 13 LEASE Johnson B TICKET NO. 163484
 CUSTOMER Oxy USA PAGE NO. 2 of 2
 JOB TYPE Cmt Prod. 2sg. DATE 9-26-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1340	7	70				400	Caught pressure
	1344	7	89				600	Pressure & rate
	1344	7	89.7				1600	Plug down - Finish Displacement
	1346							Release - Held
	1347						1600	Pressure 2sg. - Held
	1348							Release - Held
	1350							Drop D.V. Bomb
	1407						1200	Open DV
	1409							Rig circulate
	1547							Hook up to Howco
	1550	5					100	Start 5bbl Fresh water spacer ahead
	1551	6	5wt				100	Finish spacer - Start 400 sks HLC cement w/ 1/4" floccle
	1618	6	125 cmt				100	Cement circulated
	1620	6	132 cmt				100	Finish Cement - Shut Down
	1621	8					400	Release plug & start Disp
	1626	8	42				600	Pressure & rate
	1626	8	42 3/4				1550	Finish Displacement - Plug Down
	1631							Release - Held
	1632							Wash up & rack
	1645							Rack up
	1700							Job complete
								Thank you
								Terry - Jack - Harold - Mike
								Circulated 48 bbl Cmt
								RECEIVED
								STATE CORPORATION COMMISSION
								DEC 30 1991
								RELEASED
								CONSERVATION DIVISION
								WICHITA, KANSAS
								DEC 08 1992
								FROM CONFIDENTIAL

RETAIN