

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

FEB 0 5 1995  
CONFIDENTIAL

API NO. 15- 147-20536 -00-00  
County Phillips  
CSE SE NE Sec. 31 Twp. 5S Rge. 20 E/W X

Operator: License # 09012

Name: OXY USA INC.

Address: P.O. BOX 26100

City/State/Zip OKLAHOMA CITY, OK 73126-0100

Purchaser: Citgo

Operator Contact Person: RAYMOND HUI

Phone (405) 749-2471

Contractor: Name: Allen Drilling Company

License: 5418

Wellsite Geologist: Bill Keller

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, VSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

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

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

Spud Date 12/20/91 Date Reached TD 12/30/91 Completion Date 2/4/92

2970' Feet from S/N (circle one) Line of Section  
330' 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 Pinkerton A Well # 17

Field Name Ray

Producing Formation Reagan

Elevation: Ground 2173' KB 2178'

Total Depth 3665' PBSD 3644'

Depth of Surface Pipe Set and Cemented at 371' Feet

Multiple Stage Cementing Collar Used? Yes  No

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

If Alternate II completion, cement circulated from 3663  
feet depth to 0 w/ 560 sx cmt.

Drilling Fluid Management Plan 6-22-92  
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 295 bbls

Dewatering method used by evaporation

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

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

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

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W \_\_\_\_\_

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

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 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 VIC TUMLINSON

Title DRILLING OPERATIONS MANAGER Date 2/4/92

Subscribed and sworn to before me this 4th day of February, 19 92.

Notary Public Kelly A. Andrews

Date Commission Expires 8/19/95

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"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		

Operator Name OXY USA INC.

Lease Name Pinkerton A

Well # 17

Sec. 31 Twp. 5S Rge. 20

East

County Phillips

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
(Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run:

Ray Array Induction Shallow Focused Electric Log; Compensated Neutron.

Name	Top	Datum	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
			Topeka	3143'	-965'
Heebner	3294'	-1116'			
Toronto	3320'	-1142'			
Lansing	3337'	-1159'			
TD		3665'			
PBTD		3644'			

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#	371'	Cl. A.	270	3% C.C.
Production	7 7/8"	5 1/2"	14#	3663'	Cl. A.	560	4% gel

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	Reagan	3583'-3584'	250 gal of 15% MCA	3583'-3584'

TUBING RECORD	Size <u>2 7/8"</u>	Set At <u>3640'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. <u>1/23/92</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. <u>28</u>	Gas Mcf	Water Bbls. <u>298</u>	Gas-Oil Ratio	Gravity
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Disposition of Gas:  
 Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled 3583'-3584'  
 Other (Specify) \_\_\_\_\_

Production Interval

ORIGINAL



HALLIBURTON SERVICES

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

PN/OICE

A Halliburton Company

CONFIDENTIAL

INVOICE NO.	DATE
163722	12/30/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
PINKERTON 'A' 17		PHILLIPS		KS	OXY USA INC.	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
OBERLIN		ALLEN DRILLING CO.		CEMENT PRODUCTION CASING		12/30/1991
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
659167	JIM NOWELL	E-26			COMPANY TRUCK	27900

RELEASED

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

FROM CONFIDENTIAL

PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	42	MI	2.60	109.20
001-016	CEMENTING CASING	3663	FT	1,240.00	1,240.00
030-016	CEMENTING PLUG SW ALUM TOP	5 1/2	IN	50.00	50.00
12A 825.205	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	105.00	105.00
24A 815.19251	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
27 815.19311	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
40 807.93022	CENTRALIZER 5-1/2" X 7 7/8"	10	EA	44.00	440.00
320 800.8883	CEMENT BASKET 5 1/2"	3	EA	90.00	270.00
60 807.0007	ROTO WALL CLEANER 2 1/8" SPIKE	1	EA	22.00	22.00
66 807.64031	FASGRIP LIMIT CLAMP 5 1/2"	2	EA	11.30	22.60
350 890.10802	HALLIBURTON WELD-A	1	LB	11.50	11.50
504-316	HALLIBURTON LIGHT W/STANDARD	435	SK	6.28	2,731.80
507-277	HALLIBURTON-GEL ADDED 4X	15	SK	14.75	221.25
507-210	FLOCLE	109	LB	1.30	141.70
508-291	GILSONITE BULK	1400	LB	.35	490.00
504-308	STANDARD CEMENT	90	SK	6.75	607.50
509-968	SALT	500	LB	.10	50.00
508-127	CAL SEAL	4	SK	19.70	78.80
507-775	HALAD-322	42	LB	6.15	258.30
507-970	D-AIR 1, POWDER	23	LB	2.95	67.85
504-308	STANDARD CEMENT	35	SK	6.75	236.25

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

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

ORIGINAL



FEB 05

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

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
163721	12/20/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER	
SHELDON		FILE	KS	OXY USA	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
SHELDON		ALLEN	REPAIR JOB CEASING		12/20/1991
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
22	DUGAN	616		COMPANY TRUCK	27533

RELEASED

DIRECT CORRESPONDENCE TO:  
 P.O. BOX 951046  
 210 WEST PARK AVENUE  
 OKLAHOMA CITY, OK 73102-5601  
 FROM CONFIDENTIAL  
 OK 73126-0100

91572496 X 2360.1/725

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
0-117	CONTINENT	50	BT	2.60	130.00
01-016	CASING	376	BT	515.00	515.00
0-503	LAUG LA-11, CP 1, CP-3, TOP	8 5/8	LN	90.00	90.00
07.92019	GRINDER 8-5/8" X 12.25"	3	EA	62.00	186.00
90.10812	HALLIBURTON WELD-A	1	LB	11.50	11.50
4-308	STANDARD CEMENT	270	SK	6.75	1,822.50
9-406	AMPHIBIOUS CALCIUM CHLORIDE	8	SK	26.25	210.00
7-210	FLUORE	68	LB	1.30	88.40
00-207	BUR SERVICE CHARGE	291	CFT	1.15	334.65
00-306	MILEAGE CNTG MAT DEL OR RETURN	652.20	TMI	.80	521.76
INVOICE SUBTOTAL					3,909.81
DISCOUNT (BID)					781.96
INVOICE BID AMOUNT					3,127.85
* - KANSAS STATE SALES TAX					107.95
* - DECATUR COUNTY SALES TAX					25.40
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					53,261.20

CONSERVATION DIVISION WICHITA, KANSAS

32

Handwritten initials/signature

HALLIBURTON SERVICES

ORIGINAL KCC  
FEB 05

INVOICE

CONFIDENTIAL

A Halliburton Company

INVOICE NO.	DATE
163722	12/30/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
PINKERTON 'A' 17		PHILLIPS		KS	OXY USA INC.
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
OBERLIN		ALLEN DRILLING CO.	CEMENT PRODUCTION CASING		12/30/1991
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	JIM NOWELL	E-26		COMPANY TRUCK	27900

RELEASED

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

FROM CONFIDENTIAL  
9-1572496 X 2360 1/724

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
509-968	SALT	175	LB	.10	17.50
508-127	CAL SEAL	3	SK	19.70	59.10
507-775	HALAD-322	16	LB	6.15	98.40
507-970	D-AIR 1, POWDER	9	LB	2.95	26.55
509-406	ANHYDROUS CALCIUM CHLORIDE	1	SK	26.25	26.25
509-968	SALT	400	LB	.10	40.00
500-207	BULK SERVICE CHARGE	647	CFT	1.15	744.05
500-306	MILEAGE CMTG MAT DEL OR RETURN	1898.13	TMI	.80	1,518.50
INVOICE SUBTOTAL					9,797.10
DISCOUNT-(BID)					1,959.42-
INVOICE BID AMOUNT					7,837.68
*-KANSAS STATE SALES TAX					283.58
*-DECATUR COUNTY SALES TAX					66.71
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					88,187.97

32  
006  
[Handwritten initials]

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.

KCC

HALLIBURTON SERVICES

ORIGINAL TICKET NO. 163721-8

FEB 20

A Division of Halliburton Company

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME # 17 Pinkerton 'A'		COUNTY Phillips	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 12-20-91
CHARGE TO Oxy USA INC.		OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS P.O. Box 26100		CONTRACTOR Allen Drig. Co.	1 LOCATION Oberlin, Ks.		CODE 25529
CITY, STATE, ZIP Oklahoma City, OK. 73126-0100		SHIPPED VIA 2591-3846	2 LOCATION		CODE
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. B-111940	3 LOCATION		CODE
TYPE AND PURPOSE OF JOB 010 Cement Surface Csg.		DELIVERED TO S/Logan, Ks.	ORDER NO. (AFE)		REFERRAL LOCATION


As consideration, the abovesigned 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 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.

PRICE REFERENCE	SECONDARY REF OR PART NO.	QTY	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
				QTY	MEAS	QTY	MEAS		
000-117			MILEAGE (2591)	50	mi.			2.60	130.00
001-016			Pump Charge	376	ft.			515.00	515.00
030-503			Top Plug	1	ea.	8 5/8	in.	90.00	90.00
40	807.90059	1	S-4 Centralizer	3	ea.	8 5/8	in.	62.00	186.00
350	890.10802	1	Halliburton Weld-A	1	lb.			11.50	11.50
RELEASED									
2 0 1003									
FROM CONFIDENTIAL									
(AFE)									

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-111940 2977 31

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_  
 WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_  
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_  
 X Donald E. Sheldon  
 CUSTOMER OR HIS AGENT (PLEASE PRINT)  
 X Donald E. Sheldon  
 CUSTOMER OR HIS AGENT (SIGNATURE)

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.  
  
 HALLIBURTON OPERATOR  
 HALLIBURTON APPROVAL  
 FIELD OFFICE

SUB TOTAL  
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

# BULK MATERIALS DELIVERY

## AND

# TICKET CONTINUATION ORIGINAL

FOR INVOICE AND  
TICKET NO. **163721-8**

**HALLIBURTON SERVICES**  
Division, Oklahoma 73028

A Division of Halliburton Company

KCC

CONFIDENTIAL

DATE <b>12/20/91</b>	CUSTOMER ORDER NO. <b>2805</b>	WELL NO. AND FARM	COUNTY <b>Phillips</b>	STATE <b>KS</b>
CHARGE TO <b>OXY KA USA INC.</b>		OWNER <b>OXY USA INC.</b>	CONTRACTOR <b>Allen Drilling</b> No. <b>B 111940</b>	
MAILING ADDRESS <b>P.O. Box 26100</b>		DELIVERED FROM <b>Oberlin, KS</b>	LOCATION CODE <b>25529</b>	PREPARED BY <b>Lyle</b>
CITY & STATE <b>Oklahoma City, OK 73126-0100</b>		DELIVERED TO <b>S/Logan, KS</b>	TRUCK NO. <b>3846</b>	RECEIVED BY <i>Edgar Reynolds</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	270	sk			6.75	1,822.50
505-406		1	B	Calicum Chloride 3%	8	sk			26.25	210.00
507-210		1	B	Flocele 1/4#/sk.	68	lb			1.30	88.40
<p><b>RELEASED</b> MAY 29 1993 <b>FROM CONFIDENTIAL</b></p>										

		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES		
		SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET	
500-207		1 B	SERVICE CHARGE			291.00	1.15
500-306		1 B	Mileage Charge	26,088	50	652.20	.80
No. <b>B 111940</b>		CARRY FORWARD TO INVOICE				SUB-TOTAL	<b>2,977.31</b>

FORM 1911 - R7 REV. 8-85

COST

DISTRICT Oberlin KS FEB 05

DATE 20 Dec 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 INC (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #17 LEASE Pinkerton 'A' SEC. 31 TWP. 5<sup>s</sup> RANGE 20<sup>w</sup>

FIELD Ray Pool COUNTY Phillips STATE KS OWNED BY Oxy USA INC

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
TOTAL DEPTH 3911 MUD WEIGHT \_\_\_\_\_  
BORE HOLE 12 1/4 Hole  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>24#</u>	<u>8 7/8</u>	<u>KB</u>	<u>376'</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

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

Cont 8 7/8 Surface Casing w/ 270 strokes Standard w 3 1/2" O.C. 1 1/4" P.C. 1 1/4" P.C.  
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

- 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 data 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 a credit for the products, supplies or materials. 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 of 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.

RELEASED FROM CONFIDENTIAL

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.  
SIGNED Donald E. Shelden CUSTOMER  
DATE 20 Dec 91  
TIME 2200 A.M. (P.M.)

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.

FIELD OFFICE





JOB LOG

ORIGINAL  
KCC

WELL NO. 17 LEASE Pinkerton 'A' TICKET NO. 163721-8  
CUSTOMER Oxy USA Inc PAGE NO. # 1 of 1  
JOB TYPE 8 5/8" Surface Csg. DATE 12-20-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1730							Called out Job ready @ 2000 hrs.
	2115							ON Loc. - Rig drlg. @ 210' - Set up.
	2230							Hole Cut to 391' - Rig Circ.
	2315							Start pulling DP -
	2340							DP out of hole
	2353							Start 8 5/8" Csg. - 5-4 Cent's ON 1 <sup>st</sup> 3 <sup>rd</sup> - 5 <sup>th</sup> Collars
	0055							Csg. @ 376' - Hook up
	0102							Rig Start Circulating
	0114							Hook up to PT
	0116	4.0	5.0				200	Start 5 Bbl. water
	0118	5.5	56.7				200	Start mixing 270 SKS. Std. - 3% C.C. - 1/4" Flocc
	0130	5.0					150	Finish mixing Cement
								Release 8 5/8" Top Plug
	0131	5.0	23.0				100	Start disp.
	0135	5.0					150	Plug down
								Job Completed
								Thank you Eldon - Jerry - Mike
								Circulated 7 bbl. Cement to Pit

RELEASED

FEB 26 1992

2 0 1003

FROM CONFIDENTIAL

KCC

FEB 05

HALLIBURTON SERVICES  
Duncan, Oklahoma 73838

A Division of Halliburton Company

ORIGINAL NO. 163722-9

TICKET

FORM 1906 R-11

CONFIDENTIAL

WELL NO. - FARM OR LEASE NAME # 17 Pinkerton 'A'		COUNTY Phillips	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 12-30-91
CHARGE TO Oxy USA Inc.		OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Allen Drig. Co.	1 LOCATION Oberlin, Ks.		CODE 25529
CITY, STATE, ZIP		SHIPPED VIA 4718 2591-3846	FREIGHT CHARGES <input type="checkbox"/> FTD <input type="checkbox"/> COLLECT		2 LOCATION CODE
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. B-111943	DELIVERED TO S Logan, Ks.		3 LOCATION CODE
TYPE AND PURPOSE OF JOB 035 Cement Production		ORDER NO.	REFERRAL LOCATION		

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 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.

PRICE REFERENCE	SECONDARY REF OR PART NO.	LOG	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
002-117				MILEAGE (2591)	42	mi.			2.60	109	20
001-016				Pump Charge	3663	FL.	8	hrs.	1240.00	1240	00
030-016				Top Plug	1	ea.	5 1/2	in.	50.00	50	00
12A	825.205			Reg. Guide shoe	1	ea.	5 1/2	in.	105.00	105	00
24A	815.19251			Insert Float Valve	1	ea.	5 1/2	in.	83.00	83	00
27	815.19311			Auto-Fill Assembly	1	ea.	1.0	in.	30.00	30	00
40	807.93022			G-4 Centralizer	10	ea.	5 1/2	in.	44.00	440	00
320	800.8883			Cement Basket	3	ea.	5 1/2	in.	90.00	270	00
60	807.0007			Roto-wall Cleaver	1	ea.	5	FT	22.00	22	00
66	807.64031			Fas-Grip Clamp	2	ea.	5 1/2	in.	11.30	22	60
350	800.10802			Halliburton Weld-A	1	ea.	1	lb.	11.50	11	50

RELEASED

20 1993

FROM CONFIDENTIAL

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-111943

7413 80

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X Jim Nowell  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X [Signature]  
CUSTOMER OR HIS AGENT (SIGNATURE)

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.

[Signature]  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

FIELD OFFICE

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.



HALLIBURTON SERVICES  
Duncan, Oklahoma 73559

A Division of Halliburton Company

**KCC** BULK MATERIALS DELIVERY  
AND  
TICKET CONTINUATION  
FEB 05

**ORIGINAL**  
FOR INVOICE AND  
TICKET NO. 163722-9

DATE <b>12/28/91</b>	CUSTOMER ORDER NO. <b>CONFIDENTIAL</b>	WELL NO. AND FARM <b>Pinkerton "A" 17</b>	COUNTY <b>Phillips</b>	STATE <b>KS</b>
CHARGE TO <b>OXY USA INC.</b>		OWNER <b>OXY USA INC.</b>	CONTRACTOR <b>Allen Drilling</b>	No. <b>B 111943</b>
MAILING ADDRESS <b>P.O. Box 26100</b>		DELIVERED FROM <b>Oberlin, KS</b>	LOCATION CODE <b>25529</b>	PREPARED BY <b>Lyle</b>
CITY & STATE <b>Oklahoma City, OK 73126-0100</b>		DELIVERED TO <b>S/Logan, KS</b>	TRUCK NO.	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
504-316		1	B	Halliburton Light Cement	435	sk			6.28	2,731.80		
507-277		1	B	Halliburton Gel Added 4Z	15	sk			14.75	221.25		
507-210		1	B	Floccale 1/4#/sk.	109	lb			1.30	141.70		
504-308				283 sks. Standard Cement								
504-105				152 sks. Pozmix 'A'								
507-277				23 sks. Halliburton Gel								
<del>504-316</del>		1	B	Gilsonite 7#/sk. in 200 sks. HLC	1,400	lb			.35	490.00		
504-308		1	B	Standard Cement	90	sk			6.75	607.50		
509-968		1	B	Salt Granulated 10Z	500	lb			.10	50.00		
508-127		1	B	Cal-Seal 5Z	4	sk			19.70	78.80		
507-775		1	B	Halad-322 .5Z	42	lb			6.15	258.30		
507-970		1	B	D-Air-1 .25Z	23	lb			2.95	67.85		
504-308		1	B	Standard Cement	35	sk			6.75	236.25		
509-968		1	B	Salt Granulated 10Z	175	lb			.10	17.50		
508-127		1	B	Cal-Seal 10Z	3	sk			19.70	59.10		
507-775		1	B	Halad-322 .5Z	16	lb			6.15	98.40		
507-970		1	B	D-Air-1 .25Z	9	lb			2.95	26.55		
509-406		1	B	Calicum chloride 1Z	1	sk				26.25		
509-968		1	B	Salt Granulated (On Side)	400	lb			.10	40.00		
<b>RELEASED</b>												
			Returned Mileage Charge	TOTAL WEIGHT	2,016.7	LOADED MILES		TON MILES				
			SERVICE CHARGE ON MATERIALS RETURNED	FROM CONFIDENTIAL				CU. FEET				
500-207		1	B	SERVICE CHARGE				632.647	1.15	744.05		
500-306		1	B	Mileage Charge	90,387	42	LOADED MILES	1898.13	.80	1,518.50		
No. <b>B 111943</b>		CARRY FORWARD TO INVOICE						SUB-TOTAL		<b>7,413.80</b>		

CUSTOMER Dry USA Inc  
 LEASE Purkettan 'A'  
 WELL NO. #17  
 JOB TYPE 5 1/2" Long String  
 DATE 12-30-91

FIELD Ray Pool SEC 21 TWP 5S RNG 20W COUNTY Phillips STATE Ks

WELL DATA

FORMATION NAME CONFIDENTIAL

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 3664

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14 <sup>#</sup>	5 1/2"	KB	3663'	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert Float 5 1/2"</u>	<u>1 ea.</u>	<u>Halco</u>
FLOAT SHOE <u>Auto-Fill up 1"</u>	<u>1 ea.</u>	
GUIDE SHOE <u>Reg. 5 1/2"</u>	<u>1 ea.</u>	
CENTRALIZERS <u>S-4 5 1/2"</u>	<u>10 ea.</u>	
<del>BREKMAKERS</del> <u>Cont. Bskt. 5 1/2"</u>	<u>3 ea.</u>	
TOP PLUG <u>5-LV 5 1/2"</u>	<u>1 ea.</u>	
HEAD <u>Rotating 5 1/2"</u>	<u>1 ea.</u>	
PACKER <u>Halco-weld</u>	<u>1 lb.</u>	
OTHER <u>Fus-Grip Clamp 5 1/2"</u>	<u>2 ea.</u>	

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-30-91</u>	DATE <u>12-30-91</u>	DATE <u>12-30-91</u>	DATE <u>12-30-91</u>
TIME <u>1230</u>	TIME <u>1322</u>	TIME <u>1400</u>	TIME <u>1815</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>E. Reynolds</u>	<u>ROMHT-400</u>	
<u>J. Alstrom</u>	<u>2591</u>	<u>Oberlin, Ks.</u>
	<u>8M</u>	
<u>K. Legg</u>	<u>4718</u>	" "
	<u>8M</u>	
<u>M. Jones</u>	<u>3846</u>	" "
	<u>Supervisor</u>	
<u>T. Garrison</u>		" "

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL.-API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_

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 400<sup>#</sup> Salt - 2 sks. Gel

OTHER \_\_\_\_\_

DEPARTMENT Cementing

DESCRIPTION OF JOB Cement 5 1/2" Prod. Csg.

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

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>HLC</u>			<u>4% Add. Gel - 1/4" Flocc - 7" Gilsomite</u>	<u>2.85</u>	<u>11.6</u>
	<u>235</u>	<u>HLC</u>			<u>4% Add. Gel - 1/4" Flocc</u>	<u>2.34</u>	<u>11.9</u>
	<u>90</u>	<u>EA-2</u>			<u>5% Gel Seal - 10% Salt - 5% Hhd 302 - 15D-Air</u>	<u>1.35</u>	<u>15.5</u>
	<u>35</u>	<u>EA-2</u>			<u>10% Gel Seal - 10% Salt - 5% Hhd 302 - 15D-Air - 12.0%</u>	<u>1.36</u>	<u>15.5</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 14.80 REASON Shoe Joint

**SUMMARY**

PRESLUSH: BBL-GAL. 40. TYPE Salt Flush

LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_

TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: BBL-GAL. 890

CEMENT SLURRY: BBL-GAL. 1015-979-216-8.5

TOTAL VOLUME: BBL-GAL. \_\_\_\_\_

REMARKS See Job Log & Chart  
Cement did Circ  
Thank you

DISTRICT Pratt, Ks. FEB 05

DATE 12-30-91

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 INC. (CUSTOMER)  
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #17 LEASE Pinkerton SEC. 31 TWP. 5<sup>S</sup> RANGE 20<sup>W</sup>

FIELD Ray Bol COUNTY Phillips STATE Ks OWNED BY \_\_\_\_\_

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

TOTAL DEPTH 3664' MUD WEIGHT \_\_\_\_\_

BORE HOLE 7 7/8"

INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	N	14.0	5 1/2"	KB	3663'	
LINER						
TUBING						
OPEN HOLE						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" Prod. Csg. w/ 200 SKS. HLC w/ 4% Add. Gel- 1/4" Floccle - 7 Gibswite/sk - 235 SKS HLC w/ 4% Add. Gel - (108 Total) - 1/4" Floccle/sk - 90 SKS. EA-2 - 5% Cal-Seal - 10% Salt - 5% Hald - 322 - .25 D-Air - 35 SKS. Std. 10% Cal-Seal - 10% Salt - 5% Hald 322 - .25 D-Air + 1% C.C. 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

- 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 does not 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 recommendations 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 of 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.

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

SIGNED \_\_\_\_\_ CUSTOMER

DATE 12/30-91

TIME 1400 A.M. PM

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.

FIELD OFFICE

**JOB LOG**

ORIGINAL

WELL NO. #17 LEASE Yukerton 'A'  
 CUSTOMER Oxy USA INC.  
 JOB TYPE Cement 5 1/2" Prod. Csg.

TICKET NO. 163722-9  
 PAGE NO. #1 of 1  
 DATE 12-30-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							Called out - Job ready @ 1330 hrs.
	1332							ON Loc. - Rig hooking up Csg. Crew -
	1400							Start 5 1/2" Csg. - Run Reg Guide Shoe & Insert Float w/ Auto-Fill on Shoe Jt. w/ Halco-weld 54 Cent. on Collars 1-3-5-7-9-11-13-16-46-47 Cmt. BSK. on Jts. # 5-14-47
	1520							Csg. @ 3663 - Hook up to Circ.
	1527							Rig Start Circ. & Rotating Csg. - PT. on Loc.
	1625							Bm on Loc. -
	1658							Hook up to PT
	1703	7.0	40.0				350	Start 40 bbl. Salt Flush (1 <sup>st</sup> 20 bbl. w/ 1 sk. Desco)
	1710	5.0	60.0				350	Start 60 bbl. Gelled water
	1712	7.0	101.5				350	Start mixing 100 sks. HLC w/ 4% Add. Gel - 1/4" Floccle & 7" Gibowite/sk
	1727	7.0	97.9				250	Start mixing 235 sks. HLC - 4% Add. Gel 1/4" Floccle
	1740	6.0	21.6				250	Start mixing 90 sks. EA-2 w/ 5% Cal-Seal 10% Salt - .5% Halad 322 - .25 D-Air
	1744	5.0	8.5				250	Start mixing 35 sks. Std - 10% Cal-Seal 10% Salt - 5% Halad 322 - .25 D-Air - 18CC
	1746						250	Finish mixing Cement - Stop Rotating Csg. Wash up Pump & Lines - Release 5 1/2" Top Plug
	1748	7.5	89.0				150	Start disp.
	1750	7.5					950	Cement Started Circ. w/ 70 bbl disp. in
	1800	3.0					850	Slow Rate to 3 BPM w/ 20 bbl disp. in
	1803						1600	Plug down
	1806							Release Press - Insert held
	1808						1500	Press upon Csg. - Holding
	1815							Release Press. - Job Completed
								<b>RELEASED</b>
								Thank you Eldon - Jerry - Kent Terry & Mike
								FROM CONFIDENTIAL
								Circulated 19 bbl Cement to Pit Rathole plugged w/ 16 sks

Jerry O. Garrison  
 Operations Supervisor  
 Oxy USA INC

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 Operations Supervisor  
 Oxy USA INC