

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

Operator: License # 5447  
Name: OXY USA INC.  
Address: P.O. BOX 26100

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

Purchaser: Citgo

Operator Contact Person: RAYMOND HUI  
Phone (405) 749-2471

Contractor: Name: Abercrombie  
License: 30684

Wellsite Geologist: Richard Davis

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SUD  SIGW  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/SUD \_\_\_\_\_  
Plug Back \_\_\_\_\_ PSTD \_\_\_\_\_  
Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
Other (SUD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

8-27-92 9-2-92 10-13-92  
Spud Date Date Reached TD Completion Date

API NO. 15- 147-20546  
County Phillips  
NW NW SW Sec. 32 Twp. 5S Rge. 20  
2310 Feet from S (circle one) Line of Section  
330 Feet from E (circle one) Line of Section

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

Lease Name Johnson B Well # 16

Field Name Ray

Producing Formation Reagan

Elevation: Ground 2168' KB 2175

Total Depth 3650 PSTD 3695

Amount of Surface Pipe Set and Cemented at 390' Feet

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

Drilling Fluid Management Plan OLD 2 12-1692  
(Data must be collected from the Reserve Pit)

Chloride content 1200 ppm Fluid volume 124 bbls

Dewatering method used By evaporation

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

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

Lease Name \_\_\_\_\_

Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ E/W

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

CONFIDENTIAL

OCT 13

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ORIGINAL

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RELEASED

NOV 18 1993

FROM CONFIDENTIAL

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 [Signature] VIC TUMLINSON  
Title DRILLING OPERATIONS MANAGER Date 10-13-92  
Subscribed and sworn to before me this 13th day of October 1992.  
Notary Public [Signature]  
Date Commission Expires 8-21-96

OCT 16 1992 10-16-92  
K.C.C. OFFICE USE ONLY  
Conservation Division  
Wichita, Kansas  
JAN 13 1993  
Distribution  
 KCC  
 KGS  
 SUD/Rep  
 Plug  
(Specify)

Operator Name OXY USA Inc. Lease Name Johnson B Well 204  
 Sec. 32 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.)

Name	Formation (Top), Depth and Datum		Sample
	Top	Datum	
Topeka	3137	(- 962)	
Oread	3244	(-1069)	
Heebner	3284	(-1109)	
Toronto	3315	(-1140)	
Lansing	3329	(-1154)	
TD		3650'	

List All E. Logs Run: Ran Resolution Induction Log; Spectral Density Dual Spaced Neutron II Log; Microlog.

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#	390'	Cl. A	270	3% cc
Production	7 7/8"	5 1/2"	14#	3642'	Cl. A.	575	4% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing	Set	CIBP	at 3595'	
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	4	Reagan	3576 - 3577'	Spotted 200 gal 15%
		3577 - 3578'	MCA	

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2 7/8"	3576		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
9-30-92							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio Gravity
	75				Trace		

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

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

Production Interval 3576-3578'

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OXY USA INC.

DRILLING REPORTING SYSTEM

WELL CHRONOLOGICAL

FOR

OXY USA INC., JOHNSON "B" #16, PHILLIPS, KS

December 11, 1992

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< OFFICIAL INITIAL WELL REPORT WAS SUBMITTED ON: 09/02/92 >

INITIAL REPORT REMARKS:

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FOR: OXY USA INC., JOHNSON "B" #16; PHILLIPS, KS

08/27/92

WELL ID: 1304342 COMPANY CODE: 327 COMPANY OPERATED (C OR N): C

REPORT CODE: A DISTRICT: 1300 OKLA CITY API # 15-147-20546-00

CWI: 100.0000000 PROD FOREMAN: 1332

CNI: 87.8000000 DCI:

STATE: KS CNTRY: USA CNTY: PHILLIPS

PROVINCE: LSE-BLK-CNT:

LOC: 2310' FSL - 330' FWL

S: 32 T: 5 B R: 20 W LAT: LONG:

BOTTOM HOLE LOCATION:

PLATFORM: X-COORD: Y-COORD:

FIELD: RAY PROSPECT:

PROP. TD: 3,675 PROP. TVD:

TYPE: 304 ; WI DEVEL - AFE WI PRD W/POT STATUS: 01 ; OIL

EXPL. CODE: PLAY CODE: DERRICK FLOOR ELEV.:

ELEV. GL: 2,168 ELEV. RKB: WATER DPT:

CONTRACTOR: ABERCROMBIE RTD RIG: 4

DATE ROH: 08/27/92 DATE ROL: 08/27/92 SPUD: DATE- 08/27/92 TIME- 18 : 00

OBJECTIVES: EST TVD: OBJECTIVES: EST TVD:

1. REAGAN SAND 3,575 2.

3. 4.

5. 6.

7. 8.

AFE 100 % AFE 100 %  
AFE NUMBER DRY HOLE COST PROD. COST BUDGET APPROP NUMBER AND DESCRIPTION

91572721 47,450 138,295 920200 - OFFSET WELLS

PROD. LEASE NO. 71547150

UNDEVELOPED LEASE NO.



CUT MUD (5% GAS, 25% OIL, AND 70% MUD). IHP 1849, JFP 22,  
ISIP 758, FFP 37, FSIP 758, FHP 1788, BHT 106 DEGREES. RIM  
W/ DRILL PIPE. CIRC 45 MINS. DRILLED TO 3628' AT REPORT  
TIME.

CMIC J. NOWELL; DAILY COST \$ 5,014; CUM COST \$ 34,505;

9/2/92

PR OPNS: WAITING ON COMPLETION;

MD 3,650; IVD 3,648; DRLD(MD) 22; MTD 3,650; DSS 4; DOL 6;

\*\*\* DROP FROM REPORT PENDING COMPLETION \*\*\*;

CASING 5.5; @ 3,642; DEV MD 3,650; ANGLE 1;

ACTIVITY SUMMARY:

DRILLED TO 3628'. MADE BIT TRIP. RIM W/ DRILL PIPE. DRILLED  
TO 3650'. CIRC 1 HR. POOH W/ DRILL STRING. RIGGED UP MLS  
AND RIM W/ HIGH RESOLUTION INDUCTION LOG, SPECTRAL DENSITY  
DUAL SPACED NEUTRON II LOG, AND MICROLOG. POOH W/ TOOLS.  
RIM W/ DRILL PIPE. CIRC 1 HR. POOH LAYING DOWN DRILL PIPE.  
RIM W/ GUIDE SHOE, 21' SHOE JT, AND 85 JTS 5-1/2" CSG (20  
JTS FROM PLAINVILLE STOCK AND 65 JTS NEW-ALL CSG 14#, K-55,  
"A" GRADE CSG - TOTAL TALLY 3636') W/ THE 1ST 16 JTS SAND  
BLASTED (TALLY 661'). CMT BASKETS ON 4, 13, AND 48TH JTS AND  
CENTRALIZERS ON 1, 3, 5, 7, 9, 11, 13, 15, 47, AND 48TH  
JTS. LANDED CSG 6' OFF BOTTOM. CIRC AND ROTATED CSG 2 HR.  
STARTED MUD SWEEP W/ 40 BBLs SALT WTR W/ 1 SK DESCO IN 1ST  
20 BBLs. PUMPED 450 SK HOWCO "LIGHT" W/ 4X ADDED GEL AND  
1/4#/SK FLUCELE MIXED @ 11.7#/GALS, 20 SK STANDARD EA - 2  
W/ 5X CAL-SEAL, 10X SALT, .5X HALAD-322, AND .25#/SK



OXY USA INC., JOHNSON "B" #16  
PHILLIPS, KS WSN: 1304342

D-AIR-1 MIXED AT 15.5#/GAL, AND 35 SX STANDARD W/ 10% CAL-SEAL, 10% SALT, 5% HALAD-322, 25#/BK D-AIR-1, AND 1.5% CC. ROTATED CSG UNTIL LAST 75 BELLS OF DISPLACEMENT. SLOW RATE FROM 6 BPM TO 3 BPM ON LAST 6 BELLS. PRESS'D CSG TO 1500 PSI - HELD. RELEASED PRESS - INSERT HELD. CIRC 2 BELLS CMT. PLUG DOWN 4:15 AM, 9/2/92. RELEASE RIG 5:00 AM, 9/2/92.

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CMIC J. NOWELL; DAILY COST \$ 39,214; CUM COST \$ 73,719;

9/17/92 PR OPNS: GETTING STATIC BUILD UP;  
FORM: GRANITE WASH 3598-99';  
PBTD 3,615; MTD 3,650; PERFS(MD) 3,598; - 3,599; DBS 21; DOL 21;  
\*\*\* PU FROM REPORT ON 9/2/92 \*\*\*;  
CASING 5.5; @ 3,642;

ACTIVITY SUMMARY:

\*\*\* COMPLETION OPERATIONS \*\*\*

MIRU MURFIN DRILLING RIG #425. RU HLS. RIM W/ BOND TOOL. LOGGED FROM PBTD TO 3100'. RIM W/ CSG SWAB AND SWABBED DOWN TO 3580'. RIM W/ PERF GUN TO 3598-99' AND PERF'D 1' 4 JSPP. RIM W/ CSG SWAB. FOUND 150' FILLUP. SHUT DOWN 30 MINS. RIM W/ SWAB AND TAGGED FLUID AT 3000' FROM SURFACE. SWAB DOWN. OIL GRAVITY 32 AT 98 DEGREES. RW .18 AT 82 DEGREES. 1ST HR: 28 BELLS TF, 5% OIL (GRIND OUT), LEVEL AT 3600'. 2ND HR: 30 BELLS TF, 5% OIL (GRIND OUT), LEVEL AT 3600'. 3RD HR: 27 BELLS TF, 5% OIL (GRIND OUT), LEVEL AT 3600'. 4TH HR: 30 BELLS TF, 5% OIL (GRIND OUT), LEVEL AT 3600'. SDON.

CMIC J. NOWELL; DAILY COST \$ 4,299; CUM COST \$ 78,018;

9/18/92 PR OPNS: SWAB TESTING;  
FORM: REAGAN 3576-77';  
PBTD 3,695; MTD 3,650; PERFS(MD) 3,598; - 3,599; DBS 22; DOL 22;  
CASING 5.5; @ 3,642;

ACTIVITY SUMMARY:

RIM W/ CSG SWAB. FILLUP WAS AT 1900' FROM SURFACE W/ 75' OF FREE OIL. SWAB DOWN WAS 84 BELLS. 1ST HR: 35 BBL TF, 10% OIL, 3550' TO FLUID. 2ND HR: 30 BELLS TF, 5% OIL, 3550' TO FLUID. RU MERCURY WL. SET 5-1/2" CIBP AT 3595'. SWABBED FLUID DOWN TO 3520'. PERF'D AT 3576-77' W/ 4 JSPP. WAITED 10 MIN AND FLUID WAS AT 3200'. RIM W/ CSG SWAB. HIT FLUID AT 2800'. SWAB DOWN WAS 16 BELLS TF. 1ST HR: 47 BELLS TF, 20% OIL, 2800' TO FLUID. 2ND HR: 47 BELLS TF, 17% OIL, 2700' TO FLUID. 3RD HR: 46 BELLS TF, 20% OIL, 2600' TO FLUID.

SDON.

CMIC J. NOWELL; DAILY COST \$ 2,902; CUM COST \$ 80,920;

9/19/92 PR OPNS: ROOH W/ TBC AND DRILL CMT;  
FORM: REAGAN 3576-77';  
PBTD 3,695; MTD 3,650; PERFS(MD) 3,576; - 3,577; DBS 23; DOL 23;  
CASING 5.5; @ 3,642;

ACTIVITY SUMMARY:

RIM W/ CSG SWAB. TAGGED FLUID AT 1800' W/ 250' FREE OIL. SWABBED TO 2500' (38 BELLS). 1ST HR: 38 BELLS TF, 20% OIL, 2500' TO FLUID. LAID CSG SWAB DOWN AND RIM W/ RTTS AND TBC TO 3577'. LOADED HOLE W/ LEASE WTR. SPOTTED 200 GAL 15% NCA. PULLED PKR TO 3570'. SET PKR. PRESS'D TO 200# - SLOW BLEED OFF. WORKED UP TO 700#. ZONE STARTED TAKING ACID AT 1/2 BPM AT 700 PSI. INCREASED RATE TO 1-1/2 BPM AT 400#. DISPLACED ACID - ISIP: VACUUM. PULLED PKR TO 3534'. MIX 30 SX MICRO - MATRIX W/ 1% HALAD-322 AND 1/4% D-AIR-1. PUMPED CMT, PRESS'D UP TO 800 PSI W/ 2 BELLS CMT AT PERFS. DISPLACED 1/2 BBL OVER TBC VOLUME - PRESS AT 1200#. SHUT IN

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NOV 18 1993

FROM CONFIDENTIAL



HALLIBURTON SERVICES  
Duncan, Oklahoma 73536

A Division of Halliburton Company

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CONFIDENTIAL

TICKET NO. 222520-1

FORM 1906 R-11

31819

WELL NO. - FARM OR LEASE NAME Johnson "B" 16		COUNTY Phillips	STATE Ks	CITY / OFFSHORE LOCATION	DATE 9-2-92
CHARGE TO Oxy USA Inc, Attn: G.J. MacFarland		OWNER Oxy USA Inc		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS Regional Office, P.O. Box 26100		CONTRACTOR Abercrombie Drlg #4		LOCATION 1 Oberlin, Ks	
CITY, STATE, ZIP Oklahoma City, Ok. 73126-26100		SHIPPED VIA 3343		LOCATION 2	
WELL TYPE 01-01		WELL CATEGORY 01-Development		FREIGHT CHARGES 5018/4718 <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	
WELL PERMIT NO. B-946438		DELIVERED TO SW Hogan, Ks		LOCATION 3	
TYPE AND PURPOSE OF JOB OSS Cement Prod. Cng.		ORDER NO. E-26		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.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117		1		MILEAGE 3243	44	mi			260	114.	40
001-016		1		Pump Charge	3612	qt	8	hr		1240	00
030-016		1		SW Top Plug	1	ea	5 1/2	in		50	00
12A	825.205	1		Reg Guide Shoe	1	ea	5 1/2	in		121	00
24A	815.19251	1		Insert Float Valve.	1	ea	5 1/2	in		83	00
211	815.19311	1		Auto Fill Assy	1	ea	1.0	in		30	00
40	807.93028	1		S-4 Centralizer	10	ea	5 1/2	in	44 <sup>00</sup>	440	00
320	800.8853	1		Cement Basket	3	ea	5 1/2	in	90 <sup>00</sup>	270	00

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OCT 13 1993  
KANSAS

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-946438

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_  
 WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_  
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_  
 X \_\_\_\_\_  
 CUSTOMER OR HIS AGENT (PLEASE PRINT)  
 X \_\_\_\_\_  
 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  
 Jerry O. Harrison  
 HALLIBURTON APPROVAL

SUB TOTAL 9048.29  
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.



**HALLIBURTON SERVICES**  
Duncan, Oklahoma 73528  
A Division of Halliburton Company

ORIGINAL **BULK MATERIALS DELIVERY** AND **TICKET CONTINUATION** CONFIDENTIAL

FOR INVOICE AND TICKET NO. 222520

DATE <b>9-1-92</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>16 Johnson "B"</b>	COUNTY <b>Phillips</b>	STATE <b>Ks</b>
CHARGE TO <b>Org USA Inc.</b>		OWNER <b>Org USA Inc</b>	CONTRACTOR <b>A.L Abercrombie</b> No. <b>B 946438</b>	
MAILING ADDRESS <b>Regional Office P.O. Box 26100</b>		DELIVERED FROM <b>Owetta, Ks</b>	LOCATION CODE <b>25529</b>	PREPARED BY <b>J. Garrison</b>
CITY, STATE <b>Oklahoma City, OK 73126-26100</b>		DELIVERED TO <b>S/Logan, Ks</b>	TRUCK NO. <b>4718</b>	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 Cmt	450	sk			6.56	2952 00	
507-277		1	B	Waco Gel 4% Add	17	sk			14.75	250 75	
507-210		1	B	Flocele	113	lbs			1.30	146 90	
504-308		1	B	Std Cmt	125	sk			7.14	892 50	
509-968		1	B	SALT Granulated	550	lbs			.10	55 00	
509-406		1	B	Calcium Chloride mixed w/ 35sk	1	sk			26.50	26 50	
507-775		1	B	UNAD 322	59	lbs			6.30	371 70	
508-127		1	B	CAL SEAL	7	sk			19.70	137 90	
507-970		1	B	D-Air 1	30	lbs			2.95	88 50	
509-968		1	B	SALT Granulated on Side	400	lbs			.10	40 00	
OCT 13 CONFIDENTIAL					RELEASED NOV 18 1993 FROM CONFIDENTIAL						
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		1	B	SERVICE CHARGE				642	1.15	738 30	
500-306		1	B	Mileage Charge	56,809	44		1249.8	.80	999 84	
No. <b>B 946438</b>					CARRY FORWARD TO INVOICE				SUB-TOTAL		<b>6699 89</b>

JAN 13 1993  
WICHITA, KANSAS  
DIVISION

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WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 22520

DISTRICT Oberlin, Ks DATE 9-29-92

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. B-16 LEASE Johnson SEC. 32 TWP. S3 RANGE 20w

FIELD COUNTY Phillips STATE Ks OWNED BY Oxy USA Inc

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS. Includes handwritten data like 'RELEASED', 'NOV 1 8 1993', 'OCT 1 3', and 'CONFIDENTIAL'.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED. Cement 5/2" prod. Cng; 40 Bbl Salt Flush, 450 sks HHC Cement, 4% Add. Gel, 14 lb Floccle /sk, 90 sks EA-2-5% Cal Seal, 10% Salt, 14 lb D-Air, 5% H-322, 35 sks Std, 10% Cal-Seal, 10% Salt, 14 lb D-Air, 1/2% CC, 5% H-322 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.
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...
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...
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.
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.
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.

SIGNED [Signature] DATE 9-1-92 TIME 2:45 hrs. A.M. P.M. I HAVE READ AND UNDERSTAND THIS CONTRACT, AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. WICHITA, KANSAS



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

# ORIGINAL CONFIDENTIAL

Oklahoma City  
Oberlin, Ks

BILLED ON 222520  
TICKET NO.

WELL DATA  
FIELD \_\_\_\_\_ SEC. 32 TWP. S5 RNG. 20w COUNTY Phillips STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT \_\_\_\_\_  
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
BOTTOM HOLE TEMP 71.5" Hole PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH 2650'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>15</u>	<u>14.0</u>	<u>5 1/2"</u>	<u>KB</u>	<u>3612'</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES 5 1/2"

TYPE AND SIZE	QTY.	MAKE
Insert FH. Vibe	1ea	Hawco
Auto Fill Assy	"	"
GUIDE SHOE <u>Reg</u>	"	"
CENTRALIZERS <u>S-17</u>	10ea	"
BOTTOM PLUG		
TOP PLUG <u>Swiper</u>	1ea	"
HEAD		
PACKER		
OTHER <u>Cement Bolt</u>	<u>3ea</u>	"

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>4-1-92</u>	<u>4-1-92</u>	<u>4-1-92</u>	<u>4-2-92</u>
TIME <u>1945</u>	TIME <u>2215</u>	TIME <u>2200</u>	TIME <u>0430</u>

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL.-API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL.-API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. OCT 13 %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_  
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 410 Bbl Salt Flush

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S. Dolan</u>	<u>40085</u>	<u>Oberlin Ks</u>
<u>J. Alstrom</u>	<u>P.W. 6413-10m HT-400</u>	<u>"</u>
<u>K. Heagy</u>	<u>L-718 Bulk</u>	<u>"</u>
<u>J. Keenan</u>	<u>50401 Bulk</u>	<u>"</u>
<b>RELEASED</b>		
<b>NOV 18 1993</b>		

FROM CONFIDENTIAL

DEPARTMENT Cmt Bulk  
DESCRIPTION OF JOB Cement 5 1/2" Prod. Cng  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
CUSTOMER REPRESENTATIVE [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>1</u>	<u>450</u>	<u>HLC</u>	<u>Std-Poz</u>	<u>B</u>	<u>4% Add Gel, 1/4 lb Floccle</u>	<u>2.34</u>	<u>11.9</u>
<u>90</u>	<u>EA-2</u>	<u>Std</u>	<u>B</u>	<u>52% Cal. Seal, 10% Sa H, 1/4 D-Aim, 5% H-322</u>		<u>1.35</u>	<u>15.5</u>
<u>35</u>	<u>Std</u>	<u>Std</u>	<u>B</u>	<u>100% Cal. Seal, 10% Sa H, 1/4 D-Aim, 5% H-322, 1/2%</u>		<u>1.36</u>	<u>15.5</u>

PRESSURES IN PSI \_\_\_\_\_ SUMMARY \_\_\_\_\_ VOLUMES CC

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH BBL-GAL. 40 TYPE \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL. BBL-GAL. 88  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY BBL-GAL. 18 1/2, 2 1/2, 8 1/2  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ TOTAL VOLUME BBL-GAL. 37 1/2  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
FEET 22.0 CEMENT LEFT IN PIPE \_\_\_\_\_ REASON Shoe Joint

REMARKS  
See Job log & Chart  
"Thank You" Scott, Jerry, Kent & John  
JAN 13 1993  
WICHITA, KANSAS

CUSTOMER: OXY USA Inc  
LEASE: Johnson  
WELL NO: B-110  
JOB TYPE: Cmt 5 1/2" Prod Cng

**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. B-16 LEASE Johnson ORIGINAL CONFIDENTIAL TICKET NO. 800520  
 CUSTOMER Oxy USA Inc. PAGE NO. 1  
 JOB TYPE Cement 5 1/2" Prod. Csg DATE 9-2-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
9/1	2215							On hoc, Rig Crew finished haying down drill pipe - Rig up to run 5 1/2" Start Csg in hole, Reg Guide Shoe, Insert/Auto Fill in 1st collar, Centralizers on collars 1, 3, 5, 7, 9, 11, 13, 15, 17, 48, Cement Bsk's on bottom of J's 5, 14, 47
	2300							
9/2	0023							Drop Ball - T J's off bottom Csg on bottom - Rig up Rotating Head - Plug Container to Mud Pump Break Circ - Ball Thru - Circulate Rotating Csg Fin Circ - Hook up to pump Truck Start 40 Bbl Salt Flush - Rotate Csg Finish Flush - Start 450 sts HLC-90 sts EA-2, 35 sts Std. Finish Cmt - Shut Down - Rotate Csg Close Manifold - Wash up Pumps + lines Release Plug - St. Displ. - Rotating Csg Press + Rate " " - Finish Rotating Csg Plug Down - Release Press - Insert Holding 2 Bbl Cmt Circ. Job Complete Thank You Scott, Jerry, Karol John
	0038							
	0100					850		
	0207							
	0312	6 1/2				200		
	0320	6	40 Salt Flush					
	0357	—	2 1/2 Cmt					
	0358	—						
	0400	6				50		
		"	50 H <sub>2</sub> O			600		
		"	75 H <sub>2</sub> O			900		
	0415	—	88 H <sub>2</sub> O			1,500		
	0420							

Oxy USA

David Maloy

Halliburton Services

RELEASED  
NOV 18 1993

OCT 13  
CONFIDENTIAL

FROM CONFIDENTIAL

RECORDED  
INDEXED  
CONFIDENTIAL  
JAN 13 1993  
DIVISION  
WICHITA, KANSAS