

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

API NO. ¹⁵⁻ 147-20549 ⁻⁰⁰⁻⁰⁰ ORIGINAL

County Phillips

- SE - NE - SW Sec. 31 Twp. 5S Rge. 20 X W

1700 Feet from S/X (circle one) Line of Section

2310 Feet from X/W (circle one) Line of Section

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

Lease Name Solt A Well # 7

Field Name Ray

Producing Formation Reagan Sand

Elevation: Ground 2200 KB 2205

Total Depth 3691 PBDT 3652

Amount of Surface Pipe Set and Cemented at 362 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from TD

feet depth to Surface w/ 470 sx cmt.

Drilling Fluid Management Plan alt II 9-22-93
(Data must be collected from the Reserve Pit)

Chloride content 2000 ppm Fluid volume 1500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 5447

Name: OXY USA Inc.

Address P. O. Box 26100

City/State/Zip Oklahoma City, Ok 73126-0100

Purchaser: _____

Operator Contact Person: Jerry Ledlow

Phone (405) 749-2309

Contractor: Name: Abercrombie RTD Inc

License: 30684

Wellsite Geologist: Steve Davis

Designate Type of Completion

X New Well Re-Entry Workover

X Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back _____ PBDT _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

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

4/27/93 5/3/93 Pending
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, 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 Greg Rowe Greg Rowe

Title Facilities Engineer Date AUG 23, 1993

Subscribed and sworn to before me this 23rd day of August, 1993.

Notary Public Sammy L. Padilla

Date Commission Expires August 21, 1996

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

RECEIVED
Form ACO-1 (7-91) STATE CORPORATION COMMISSION

AUG 25 1993
5-25-93
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name OXY USA Inc. Lease Name Solt A Well # 7
 Sec. 31 Twp. 5S Rge. 20 East West
 County 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 Yes No
 (Attach Additional Sheets.) SEE ATTACHED

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:
 Special Density Dual Spaced Neutron II Log
 Microlog
 High Resolution Induction

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Topeka	3183	- 978
Heebner	3334	-1129
Toronto	3358	-1153
Lansing KC	3376	-1171
Granite Wash	3691	-1426

CASING RECORD <input 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	362	A	270	3% CC
Production	7 7/8"	5 1/2"	14	3689	Std.	470	4% gel

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	3614 - 15		
4	3615 - 16		

TUBING RECORD	Size <u> 2 7/8 </u>	Set At <u> 3619 </u>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Pump Testing	<u> 6/10/93 </u>	Producing Method	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil <u> 23 </u> Bbls.	Gas	Mcf <u> 33 </u>	Water Bbls. <u> 33 </u> Gas-Oil Ratio <u> 1 </u> Gravity <u> 1.0 </u>

Disposition of Gas: **METHOD OF COMPLETION** Production Interval 3614- 3616

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
 (If vented, submit ACO-18.) Other (Specify) _____

OXY USA Inc.
Solt A #7
Sec 31-5S-20W
Phillips County Ks

ORIGINAL

Drill Stem Test Taken:

API 15-147-20,549-60-00

DST #1

3608-13' 15-30-60-90

IF: Weak surface blow building to 1/2",

FF: Weak 1/4" blow throughout.

Recovered 20' muddy oil (80% oil, 20% mud).

IHP 1822, IFP 10 -12, ISIP 700, FFP 14-16, FSIP 690, FHP 1790.

DST #2

3608- 18' 15-30-45-60

IF: Strong blow- bottom of bucket in 8 mins,

FF: Strong blow- bottom of bucket in 8 mins.

Recovered 900' gas in pipe, 550' clean gassy oil
(90% oil, 10% gas), and 90' gas and oil out waterly mud

(60% mud, 20% wtr, 10% oil). IHP 1632, IFP 24-26,

FFP 116-218, FSIP 675, FHP 1810.

RECEIVED
STATE CORPORATION COMMISSION

AUG 25 1993

CONSERVATION DIVISION
Wichita, Kansas

FORM 1906 R-11

37819 *Leadlow*

WELL NO. - FARM OR LEASE NAME M Sol + A		COUNTY Phillips	STATE KS	CITY / OFFSHORE LOCATION	DATE 5-3-93
CHARGE TO Oxy USA		OWNER Oxy USA		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 Regional Office Box 26100, Attn. G.H. McFarland		CONTRACTOR Abercrombie Drlg.		LOCATION 1 Oberlin KS	CODE 25529
CITY, STATE, ZIP Oklahoma City OK 73126-0100		SHIPPED VIA 3580	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO S. Logan KS	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB 035		B-158885	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 3580	44	mi			2.75	121 00
001-016		1		Pump Charge	3690	ft				1345 00
12A	825.205	1		Regular Guide Shoe	1	EA	5 1/2	in	121 ⁰⁰	121 00
24A	815.19251	1		Insert Float Valve	1	EA	5 1/2	in	110 ⁰⁰	110 00
27	815.19311	1		Auto Fill Tube	1	EA	1	in	46 ⁵⁰	46 50
40	807.93022	1		S-4 Centralizers	10	EA	5 1/2	in	44 ⁰⁰	440 00
320	800.8883	1		Cement Baskets	3	EA	5 1/2	in	110 ⁰⁰	330 00
030-018		1		SW Top Plug	1	EA	5 1/2	in	65 ⁰⁰	65 00
350	890.10802	1		Howco Weld	1	lb			14 ⁵⁰	14 50
019-241		1		Rotating Head	1	Job				155 00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-158885

7231 80
7170 70

WAS JOB SATISFACTORILY COMPLETED?
 WAS OPERATION OF EQUIPMENT SATISFACTORY?
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY?
 Jim Nowell
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 [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.

Jack Moore
 HALLIBURTON OPERATOR
Larry O. Harrison
 HALLIBURTON APPROVAL

RECEIVED 29 80
 STATE COMMISSION
 SUB TOTAL 9978 70
 AUG 2 9 1993
 APPLICATION TAXES WILL BE ADDED TO INVOICE.

CONSERVATION DIVISION
Wichita, Kansas

BULK MATERIALS DELIVERY AND TICKET CONTINUATION



FOR INVOICE AND TICKET NO. **222868**

ORIGINAL

DATE 5-3-93	CUSTOMER ORDER NO.	WELL NO. AND FARM 7 S0H'A'	COUNTY philps	STATE Ks
CHARGE TO OXY USA Inc.		OWNER OXY USA Inc	CONTRACTOR Abercrombie No. B 158885	
MAILING ADDRESS box 26100 Attn G.L.McFarlandReg Off		DELIVERED FROM Oberlin Ks	LOCATION CODE 25529	PREPARED BY Jones
CITY & STATE Oklahma Ok 73126-0100		DELIVERED TO S Logan Ks	TRUCK NO. 50181 3846	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.			
504-316		1		HLC	450	sk			7.19	3235	50
507-210		1		Flocel	112	lb			1.40	156.80	
507-277		1		Halliburton Gell 4%	17	sk			15.50	263	50
504-308		1		Std Cmt	90	sk			7.87	708 708	30 30
508-127		1		Cal Seal	4	sk			20.70	82	80
507-775		1		Halad-322	42	lb			6.45	269 269	80 80
507-970				D Air-1	21	lb			3.10	65	10
509-968				Salt Granulated	400	lb			.13	52	00
504-308				Std. Cement	35	sk			7.19	251 251	65 65
508-127				Cal Seal	3	sk			20.7	62	10
507-775				Halad-322	16	lb			6.45	103 110	28 40
507-970				D Air-1	8	lb			3.10	24	80
509-968				Salt Granulated	150	lb			.13	19	50
509-406				Calcium Chloride	1	sk			28.25	28	25
509-968				Salt Granulated not mixed	400	lb			.13	52	00

	Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES
	SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET
500-207				CU. FEET 635
500-306	Mileage Charge	56,778 TOTAL WEIGHT	44 LOADED MILES	124 TON MILES
No. B 158885				CARRY FORWARD TO INVOICE
				SUB-TOTAL AUG 25 1999 CONSERVATION DIVISION Wichita, Kansas

DISTRICT Hays KS

DATE 5-3-93

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. 7 LEASE Sol + 'A' SEC. 31 TWP. 5s RANGE 20W

FIELD SW Logan KS COUNTY Phillips STATE KS OWNED BY Oxy USA

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING		N	14	5 1/2	KB	3690	
LINER							
TUBING							
OPEN HOLE				7 7/8	KB	3691	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH 3691 MUD WEIGHT _____

BORE HOLE 7 7/8

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

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

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Cmt. Prod. Csg w 450sks HLC w 4% Add Gel, 1/4" flocele. 90sks EA-2 w 5% Cal-Seal, 10% Salt, .5% Haled 322 + .25% D-Air. 35sks Std w 10% Cal Seal, 10% Salt, .5% Haled 322 + .25% D-Air. 10 EA S-4 Centralizers, 3 EA Cmt. Baskets, Reg. Guide Shoe, Insert w Auto Fill Tube 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, 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 13% 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 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 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 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 underground 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 the event of a claim 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, and 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 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.

SIGNED [Signature] CUSTOMER
DATE 5-3-93 TIME 1400 A.M. [Signature]

STATE CORPORATION COMMISSION
RECEIVED
AUG 25 1993
CONSERVATION DIVISION
Wichita, Kansas

HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

HALLIBURTON DIVISION Oklahoma City
HALLIBURTON LOCATION Oberlin KS

BILLED ON TICKET NO. 222868

ORIGINAL

WELL DATA

FIELD SW Logan KS SEC. 31 TWP. 5S RNG. 20W COUNTY Phillips STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		N	14	5 1/2	KB	3690	
LINER							
TUBING							
OPEN HOLE				7 7/8	KB	3691	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH 3691

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-3-93</u>	DATE <u>5-3-93</u>	DATE <u>5-3-93</u>	DATE <u>5-3-93</u>
TIME <u>1000</u>	TIME <u>1345</u>	TIME <u>1421</u>	TIME <u>1915</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. Moore	36655	Oberlin KS
B4685	P.U.	
K. Legg	3580	"
73140	HT-400RCM	"
M. Jones	3846	"
52046	Bulk TK	"
H. Berry	50181	"
B5068	Bulk	"
T. Garrison	37098	"
	Car	"

DEPARTMENT Cmt.
DESCRIPTION OF JOB Cmt. Prod. Casing

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

CUSTOMER REPRESENTATIVE X Jack Moore

HALLIBURTON OPERATOR Jack Moore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	450	HLC				4% Add Gel 1/4" Flocele	0.34	11.9
	90	EA-2				5% Cal-Seal, 10% Salt, .5% Haled 322.25 DAir	1.35	15.5
	35	Std				10% Cal Seal, 10% Salt, .5% Haled 322.25 DAir	1.36	15.5
						1% CC		

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH 40 BBL-GAL. TYPE Salt/Flush 3%

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 89 1/2

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 187 1/2 HLC, 228 EA-2 8.5 STD

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS See Job Log

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 21.10 REASON Shoe Joint

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STATE COMMISSION COMM

AUG 25 1993

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER: Oxy USA
LEASE: Salt A
WELL NO.: _____
JOB TYPE: Cmt. Prod. Casing
DATE: 5-3-93

HALLIBURTON SERVICES
JOB LOG

WELL NO. 7 LEASE Solt A TICKET NO. 222868
 CUSTOMER Oxy USA PAGE NO. 1
 JOB TYPE Cmt. Prod. Csg. DATE 5-3-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							Called out - Ready @ 1400 hrs
	1345							On location - Rig getting ready to run casing
	1421							Start casing. Reg. Guide Shoe on bottom of 1 st Joint. Insert w/ Auto fill tube on top of 1 st Jt. 1 EA S-4 Centralizer on Jts 2, 4, 6, 8, 10, 12, 14, 16, 44 & 46. 1 EA Cmt Basket on Jts 3, 13 & 45 87 Jts New 14 [#] /ft 5 1/2" Casing
	1551							Finish running casing - Rig up to circulate.
	1604							Rig circulate - Pumped ball through insert @ 700 psi. Rotate casing while circulating
	1729							Hook up to Howco - Continue rotating casing
	1731	6				150		Start 40 bbl 3% Salt + Flush w/ 1sk Desco in first 20 bbl
	1743	5 1/2				150		Finish Salt + Flush
	1746	5 1/2				150		Start Cement - 450 sks HLC w/ 4% Add Gel + 1/4" floccle/sk
	1823	5 1/2	187 1/2			0		Finish HLC - Start 90 sks EA-2 w/ 5% Cal-Seal, 10% Salt, .5% Hald 322, .25% D
	1828	5 1/2	228			0		Finish EA-2 - Start 35 sks Std w/ 10% Cal-Seal, 10% Salt, .5% Hald 322, .25% D-Air + 1% CC
	1830	5 1/2	8.5			0		Finish Cement - Wash up Pump + lines
	1832							Release Plug + Start Disp.
	1836	5 1/2	28			150		Caught Pressure
	1843	5 3/4	71			850		Cement Circulated
	1847	5 3/4	89			975		Pressure + Rate
	1847		89 1/2			1400		Plug Down
	1850							Release - Held
	1915							Job Complete
								Circulated 19 bbl Cement

RECEIVED
STATE CORPORATION COMMISSION

APR 25 1993

CONSERVATION DIVISION
Wichita, Kansas