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

SEP 17 2002

Form ACO-1  
September 1999  
Form Must Be Typed

KCC WICHITA

ORIGINAL

Operator: License # 5447  
Name: OXY USA Inc.  
Address: P.O. Box 2528  
City/State/Zip: Liberal, KS 67905  
Purchaser: El Paso Pipeline Company  
Operator Contact Person: Vicki Carder  
Phone: (620) 629-4200  
Contractor: Name: Murfin Drilling Company  
License: 30606  
Wellsite Geologist: NA  
Designate Type of Completion: CONFIDENTIAL  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl, Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: OXY USA, Inc.  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. To Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
05/21/02 05/25/02 06/17/02  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

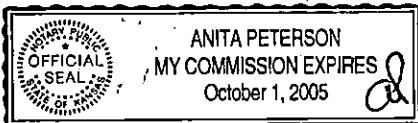
API No. 15 - 081-21451-0000  
County: Haskell  
NE - NE - SW - SW Sec 28 Twp. 28 S. R. 34W  
1250 feet from (S) N (circle one) Line of Section  
1250 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Eubank A Well #: 3  
Field Name: Panama Council Grove  
Producing Formation: Council Grove  
Elevation: Ground: 3022 Kelly Bushing: 3033  
Total Depth: 3145 Plug Back Total Depth: 3104  
Amount of Surface Pipe Set and Cemented at 822 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT 1 9/2/12/02/02  
(Data must be collected from the Reserve Pit)  
Chloride content 13000 ppm Fluid volume 700 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 6702, 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 of 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: Vicki Carder  
Title: Capital Project Date September 16, 2002  
Subscribed and sworn o before me this 16<sup>th</sup> day of Sept.  
02  
Notary Public: Anita Peterson  
Date Commission Expires: Oct. 1, 2005



KCC Office Use Only  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Release  
NOV 04 2003  
From  
Confidential

JAN 2000

Side Two

Operator Name: OXY USA Inc. Lease Name: Eubank A Well #: 3

Sec. 28 Twp. 28 S. R. 34W  East  West County: Haskell

**Instructions:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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: Neutron  Cement Bond

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Winfield	2666	+367
Council Grove	2898	+135

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
Conductor	12-1/4	8 5/8	24	822	C	400	2% CC, 1/4# PolyFlake
Surface					C		
Production	7 7/8	4 1/2	10.5	3142	C	595	5# CalSeal, 5# Gilsonite, 3% KCL, .5% Halad 322

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	2906-2955	2500 Gals 15% HCL Acid	
		Frac - 14,000 Gals Linear Gel, 15000# 100 mesh sand,	
		47000 Gals 70% N2, 56000# 12/20 Sand	

<b>TUBING RECORD</b>	Size 2 3/8	Set At 2971	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. 07/13/02	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 0	Gas Mcf 242	Water Bbls 42	Gas-Oil Ratio	Gravity
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Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_  
*(If vented, Submit ACO-18)*  Other (Specify) \_\_\_\_\_

METHOD OF COMPLETION

Production Interval



# JOB SUMMARY

SALES ORDER NUMBER <b>1871181</b>	TICKET DATE <b>05/22/02</b>
BDA / STATE <b>MC/Ks</b>	COUNTY <b>HASKELL</b>
PSL DEPARTMENT <b>CEMENT</b>	CUSTOMER REP / PHONE <b>1-620-353-8669</b>
CUSTOMER REP / PHONE <b>GREGG FILLPOT</b>	
SAP BOMB NUMBER <b>7521</b>	Cement Surface Casing <b>KCC</b>
HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL</b>	

REGION <b>NORTH AMERICA LAND</b>	NWA / COUNTRY <b>Central / USA</b>
MBU ID / EMPL # <b>106114</b>	H.E.S. EMPLOYEE NAME <b>SHAUN FREDERICK</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>OXY USA</b>
TICKET AMOUNT <b>\$6,280.85</b>	WELL TYPE <b>OIL</b>
WELL LOCATION <b>N.W. SUBLETTE</b>	DEPARTMENT <b>CEMENT</b>
LEASE NAME <b>EUBANK</b>	SEC / TWP / RNG <b>28 - 28S - 34W</b>

RECEIVED  
SEP 17 2006  
KCC WICHITA

ORIGINAL

SEP 16 2002

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS
Frederick, S 106114	8.0	Lopez, J 198514	8.0
King, K 105942	8.0		
HANSEN M 250356	8.0		
Harper, K 241985	8.0		

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HES UNIT #S / (R / T MILES)	R / T MILES	HES UNIT #S / (R / T MILES)	R / T MILES
422831	48		
10219237	48		
53777-75819	24		
10244148-75821	24		

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out	On Location	Job Started	Job Completed
	05/21/2002	05/21/2002	05/22/2002	05/22/2002
Time	2130	2330	0600	0730

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar FILLTUBE	1	HOWCO
Float Shoe		
Centralizers	4	HOWCO
Top Plug PLASTIC	1	HOWCO
HEAD PC	1	HOWCO
Limit clamp	1	HOWCO
Weld-A		
Guide Shoe REGULAR	1	HOWCO
BTM PLUG		

**Well Data**

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	24.0	8 5/8		KB	822	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4				Shots/Ft.
Perforations							
Perforations							
Perforations							

**Materials**

Mud Type	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb
Prop. Type	Size	Lb
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

**Hours On Location**

Date	Hours	Date	Hours
5/22	8.0	5/22	2.0
<b>Total</b>	<b>8.0</b>	<b>Total</b>	<b>2.0</b>

Ordered \_\_\_\_\_ Hydraulic Horsepower \_\_\_\_\_  
 Available \_\_\_\_\_ Used \_\_\_\_\_  
 Treating \_\_\_\_\_ Average Rates in BPM \_\_\_\_\_  
 Disposition \_\_\_\_\_ Overall \_\_\_\_\_  
 Feet 45 Cement Left in Pipe \_\_\_\_\_  
 Reason \_\_\_\_\_ SHOE JOINT

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	PUMP TIME - 4+ HOURS	W/Rq.	Yield	Lbs/Gal
1	250	HLC PP		2% CC - 1/4# POLYFLAKES	PUMP TIME - 4+ HOURS	11.79	2.11	12.20
2	150	PREM PLUS		2% CC - 1/8# POLYFLAKES	PUMP TIME - 1:45 HOURS	6.30	1.34	14.80
3								
4								

**Summary**

Circulating Breakdown	Displacement	Preflush: BBI	Type:
Lost Returns - )	MAXIMUM	Load & Bkdn: Gal - BBI	Pad: Bbl - Gal
Cmt Rtm#Bbl	Lost Returns - )	Excess /Return BBI	Calc. Disp Bbl
Average	Actual TOC	Calc. TOC:	Actual Disp. <b>50</b>
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI	Disp: Bbl <b>50</b>
	5 Min. 15 Min.	Cement Slurry BBI	
		Total Volume BBI	179.50

Frac. Ring #1 \_\_\_\_\_ Frac. Ring #2 \_\_\_\_\_ Frac. Ring #3 \_\_\_\_\_ Frac. Ring #4 \_\_\_\_\_

NOV 14 2003

THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER REPRESENTATIVE *Shawn A. Sells* From \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

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KCC

ORIGINAL

SEP 16 2002

HALLIBURTON		JOB LOG			TICKET #	TICKET DATE	
REGION NORTH AMERICA LAND		NWA / COUNTRY Central / USA			1871181	05/22/02	
MBU ID / EMPL # 106114		H.E.S. EMPLOYEE NAME SHAUN FREDERICK			BDA / STATE MC/Ks	COUNTY HASKELL	
LOCATION LIBERAL		COMPANY OXY USA			PSL DEPARTMENT CEMENT		
TICKET AMOUNT \$6,280.85		WELL TYPE OIL			CUSTOMER REP / PHONE GREGG FILLPOT 1-620-353-8669		
WELL LOCATION N.W. SUBLETTE		DEPARTMENT CEMENT			JOB PURPOSE CODE Cement Surface Casing		
LEASE NAME EUBANK		Well No. A#3	SEC / TWP / RNG 28 - 28S - 34W			HES FACILITY (CLOSEST TO WELL) LIBERAL	
HES EMP NAME/EMP # (EXPOSURE HOURS)		HES EMP NAME/EMP # (EXPOSURE HOURS)		HES EMP NAME/EMP # (EXPOSURE HOURS)		HES EMP NAME/EMP # (EXPOSURE HOURS)	
Frederick, S 106114		Lopez, J 198514					
King, K 105942							
HANSEN M 250356							
Harper, K 241985							
Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Rate Press.(PSI)			Job Description / Remarks
				N2	CSG	Tbg	
	2130						CALLED OUT FOR JOB
	2330						ON LOCATION/RIG DRILLING
	0300						THROUGH DRILLING/PULL DP
	0400						D.P. OUT OF HOLE/RIG UP CASERS
	0425						PRE-JOB SAFETY MEETING
	0430						START IN WITH CASING/F.E.
	0540						CASING ON BOTTOM/HOOK UP P.C. AND LINES
	0545						CIR WITH RIG
	0600						THROUGH CIR/HOOK UP LINES TO PT
	0600				2000		PSI TEST
	0603	6.0	94.0		125		PUMP 250 SKS HLC PP @ 12.2#
	0619	6.0	36.0		180		PUMP 150 SKS PREM PLUS @ 14.8#
	0625						SHUT DOWN/DROP PLUG
	0626	6.0	49.5		130		PUMP DISP
	0632	6.0	49.5		135		20 BBLs IN CMT TO PIT
	0635	2.0	49.5		230		40 BBLs IN SLOW RATE
	0640	2.0	49.5		800		LAND PLUG
	0641						RELEASE FLOAT.....HELD
	0730						JOB COMPLETE

Release  
NOV 04 2003  
From  
Confidential



HALLIBURTON

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Work Order Contract

Halliburton Energy Services, Inc.
Houston, Texas 77056

Order Number ORIGINAL

1871181

70012 SAP

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BEEOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Table with 4 columns: Well No. (A#3), Farm or Lease (EUBANK), County (HASKELL), State (Ks), Well Permit Number, Customer (OXY USA), Well Owner (OXY USA), Job Purpose (Cement Surface Casing)

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials.

C. RELEASE AND INDEMNITY - Customer agrees to RELEASE Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer.

loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION - Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED:

Signature of customer authorized signatory

DATE:

05/22/02

TIME:

0100

Customer Acceptance of Materials and Services

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER 1871181

Signature of customer authorized signatory

KCC
SEP 16 2002
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Release
NOV 04 2003
From
Confidential

**HALLIBURTON**

REGION  
**NORTH AMERICA LAND**

WBU ID / EMPL #  
**MCIL10101 106322**

LOCATION  
**LIBERAL**

TICKET AMOUNT  
**\$9,885.18**

WELL LOCATION  
**N/Sublette**

LEASE NAME  
**EUBANK**

**JOB SUMMARY**

NWA / COUNTRY  
**Central / USA**

H.E.S. EMPLOYEE NAME  
**Danny McLane**

COMPANY  
**OXY USA**

WELL TYPE  
**Oil**

DEPARTMENT  
**Cement**

SEC / TWP / RNG  
**28 - 28S - 34W**

SALES ORDER NUMBER  
**1876322**

TICKET DATE  
**05/24/02**

BDA / STATE  
**MC/Ks**

COUNTY  
**HASKELL**

PSL DEPARTMENT  
**Cement**

CUSTOMER REP / PHONE  
**GREGG FILLPOT 620-353-8669**

API/UMI #

SAP BOMB NUMBER  
**7523**

HES FACILITY (CLOSEST TO WELL SITE)  
**Liberal**

**ORIGINAL**

HES EMP NAME / EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # (EXPOSURE HOURS)	HRS
McLane, D 106322	11.0	Archuleta, M 226383	10.0		
Tate, N 105953	11.0				
Hansen, M 250356	11.0				
Lopez, J 198514	10.0				

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES
420995	48				
10251401	48				
10244148 10286731	24				
10243558 6612	24				

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_

Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth \_\_\_\_\_

Date	Called Out	On Location	Job Started	Job Completed
	05/24/2002	05/24/2002	05/24/2002	05/24/2002

Time	1030	1300	2045	2145

**Tools and Accessories**

Type and Size	Qty	Make
Insert 4 1/2	1	H
Basket 4 1/2	1	
Centralizers REG 4 1/2	12	O
Top Plug SW 4 1/2	1	
HEAD 4 1/2	1	W
Limit clamp 4 1/2	1	
Weld-A	1	C
Guide Shoe 4 1/2	1	
BTM PLUG 4 1/2	1	O

**Well Data**

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	10.5	4 1/2		3142	KB	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8				Shots/Ft.
Perforations							
Perforations							
Perforations							

**Materials**

Mud Type	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb
Prop. Type	Size	Lb
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

**Hours On Location**

Date	Hours	Date	Hours
5/24	11.0	5/24	1.0
<b>Total</b>	<b>11.0</b>	<b>Total</b>	<b>1.0</b>

**Description of Job**

Cement Production Casing

Release

NOV 14 2002

From

Confidential

**Ordered** \_\_\_\_\_ **Hydraulic Horsepower** \_\_\_\_\_ **Used** \_\_\_\_\_

**Average Rates in/BPM** \_\_\_\_\_ **Disp.** \_\_\_\_\_ **Overall** \_\_\_\_\_

**Cement Left in Pipe** \_\_\_\_\_ **Reason** \_\_\_\_\_ **SHOE JOINT**

Feet **40.86**

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	430	HLC PP C	Bulk	2% CC - 1/4# POLY FLAKE		11.79	12.20
2	165	50/50 POZ H	Bulk	5% CALSEAL - 5# GILSONITE - 3% KCL - .5% HALAD-322	PUMP	6.26	13.80
3	25	50/50 POZ H	Bulk	5% CALSEAL - 5# GILSONITE - 3% KCL - .5% HALAD-322		6.26	13.80
4							

**Summary**

Circulating Breakdown	Displacement	Preflush: BBI	5.00	Type: fresh water
Lost Returns	MAXIMUM	Load & Bkdn: Gal - BBI		Pad:Bbl -Gal
Cmt Rtn#Bbl	Actual TOC	Excess /Return BBI		Calc. Disp Bbl
Average	Frac. Gradient	Calc. TOC:		Actual Disp.
Shut In: Instant	5 Min. 15 Min.	Treatment: Gal - BBI		Disp:Bbl
		Cement Slurry BBI	161.5 .42	rat & mouse 6.5
		Total Volume BBI	#VALUE!	

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4

**THE INFORMATION STATED HEREIN IS CORRECT**


CUSTOMER REPRESENTATIVE \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE

CONFIDENTIAL

KCC

ORIGINAL

 HALLIBURTON		<b>JOB LOG</b> SEP 16 2002		TICKET # 1876322	TICKET DATE 05/24/02
REGION NORTH AMERICA LAND		NWA / COUNTRY Central / USA		BDA / STATE MC/KS	COUNTY HASKELL
MBU ID / EMPL # MCIL10101 106322		H.E.S EMPLOYEE NAME Danny McLane		PSL DEPARTMENT Cement	
LOCATION LIBERAL		COMPANY OXY USA		CUSTOMER REP / PHONE GREGG FILLPOT 620-353-8669	
TICKET AMOUNT \$9,885.18		WELL TYPE Oil		API/WMI #	
WELL LOCATION N/Sublette		DEPARTMENT Cement		JOB PURPOSE CODE Cement Production Casing	
LEASE NAME EUBANK		Well No. A#3	SEC / TWP / RNG 28 - 28S - 34W	HES FACILITY (CLOSEST TO WELL #) Liberal	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
McLane, D 106322	11	Archuleta, M 226383	10				
Tate, N 105953	11						
Hansen, M 250356	11						
Lopez, J 198514	10						

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Press.(PSI)			Job Description / Remarks
				N2	CSG	Tbg	
	1030						Called for job
	1300						On location hold safety meeting rig on bottom circulating hole
	1430						Bulk truck on location hold safety meeting with drivers
	1533						Rig laying down drill pipe
	1740						Rig up casing crew
	1805						Start running 4 1/2 casing and float equip.
	1925						Casing on bottom
	1927						Hook up plug container and circulating hoses
	1930						Start circulating with rig mud pump
	1938						Got mud returns and start rigging down casing crew
	2000		6.5			0	Plug rat and mouse holes
	2040						Through circulating with rig's pump
	2042						Hook up to pump truck
	2044					0/3000	Job procedure for 4 1/2 long string
	2045						Pressure test lines
	2047	3.0	5.0			0/150	Drop bottom plug
	2051	5.5	161.5			150	Start fresh water ahead
	2120	5.5	42.0			200	Start lead cement @ 12.2 #
	2127						Start tall cement @ 13.8 #
	2134						Through mixing cement
	2134						Shut down and release top plug
	2135	5.0	49.0			0/100	Wash up pumps and lines
	2137					100/390	Start fresh water displacement
	2144	2.0				800/689	Displacement caught cement
	2147					765/1500	Slow down rate
	2148					1500/0	Plug landed and pressure up casing
							release pressure float holding
							Circulated 35 Bbls to pit
							Thank you for calling Halliburton
							Danny and Crew

~~Release~~  
NOV 04 2002  
From  
Confidential



HALLIBURTON

CONFIDENTIAL

Work Order Contract

Halliburton Energy Services, Inc. Houston, Texas 77056

Order Number

1876322

ORIGINAL

70012 SAP

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BEEOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. A#3	Farm or Lease EUBANK	County HASKELL	State Ks	Well Permit Number
Customer OXY USA		Well Owner OXY USA		Job Purpose Cement Production Casing

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account. Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorneys fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. RELEASE AND INDEMNITY - Customer agrees to RELEASE Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to DEFEND, INDEMNIFY, AND HOLD Halliburton Group HARMLESS from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from:

loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its officers, directors, employees, consultants and agents. Customer's RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insureds on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 4100 Clinton Drive, Houston, TX. 77020.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

FROM Confidential

SIGNED: [Signature] CUSTOMER Authorized Signatory

DATE: 05/24/02 TIME: \_\_\_\_\_

Customer Acceptance of Materials and Services

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER 1876322

[Signature] CUSTOMER Authorized Signatory

NOV 6 2002