

RECEIVED

OCT 26 2001

KCC WICHITA

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

Form ACO-1  
September 1999  
Form Must Be Typed

ORIGINAL

Operator: License # 5447  
Name: OXY USA, Inc.  
Address: P.O. Box 2528  
City/State/Zip: Liberal, KS 67905  
Purchaser: Pending  
Operator Contact Person: Vicki Carder  
Phone: (316) 629-4200  
Contractor: Name: Cheyenne Drilling, Inc.  
License: 5382  
Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion:  
 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. \_\_\_\_\_  
06/03/97 06/09/97 10/21/98  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 129-21518-0000  
County: Morton  
SE - NW - NE Sec 32 Twp. 34 S. R. 41W  
4290 feet from (S) N (circle one) Line of Section  
1500 feet from (E) W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: WMSU Well #: 902  
Field Name: Wilburton  
Producing Formation: Morrow  
Elevation: Ground: 3446 Kelly Bushing: 3457  
Total Depth: 5000 Plug Back Total Depth: 4925  
Amount of Surface Pipe Set and Cemented at 1450 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3017  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to WI sx cmt.

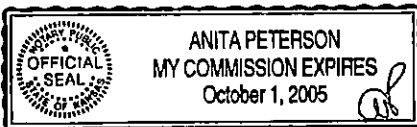
Drilling Fluid Management Plan ALT 1 11/7/01 AB  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ 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 Projects Date 10/24/01  
Subscribed and sworn to before me this 24<sup>th</sup> day of October  
20 01  
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  
KCC



X

08/15/98

Operator Name: OXY USA, Inc. Lease Name: WMSU Well # W-101-1902

Sec. 32 Twp. 34 S. R. 41W  East  West County: Morton

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3422	+35
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3580	-123
List All E. Logs Run:	Cement Bond    Cement Evaluation	Marmaton	3860	-403
Neutron	Induction    Microlog	Morrow	4664	-1207
Fluid Travel	Temperature    Geological Rpt			

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					C		
Surface	12 1/4	8 5/8	24	1450	C	450	3% CC, 1/4# Flocele
Production	7 7/8	5 1/2	14	5000	C	220	2% CC, 1/4# Flocele

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	Surf.-3017	C	360	2nd Stage - DV Tool
<input type="checkbox"/> Plug Back TD				
<input checked="" 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
4	4935-4937, 4750-4752	150 sxs Cmt Sqz	
4	4855-4856	280 Gals 15% HCL Acid - 150 sxs Cmt Sqz	
4	4860-4875	7500 Gals 7.5% FE Acid - 75 sxs Cmt sqz	
4	4856-4872		

TUBING RECORD	Size 2 3/8	Set At 4884	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. 10/28/98	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 11	Gas Mcf 85	Water BbLS 0	Gas-Oil Ratio 7727	Gravity
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Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented  Sold  Used on Lease       Open Hole  Perf.  Dually Comp.  Commingled

*(If vented, Submit ACO-18)*       Other (Specify)

TICKET # **183948** TICKET DATE **6-4-97**  
 BDA / STATE **USA5** COUNTY **MORTON**  
 PSL DEPARTMENT **Cement**  
 CUSTOMER REP / PHONE  
 API / UWI #  
 JOB PURPOSE CODE **010**  
**RECEIVED**  
**OCT 26 2001**  
**KCC WICHITA**

REGION **North America**  
 MBU ID / EMP # **LT0103 F4550**  
 LOCATION **Liberal KS**  
 TICKET AMOUNT  
 WELL LOCATION **Land**  
 LEASE / WELL # **WMSU 32-345-41W #902**

EMPLOYEE NAME **T. DAVIS**  
 COMPANY **OXY**  
 WELL TYPE **01**  
 DEPARTMENT **Cement**  
 SEC / TWD / RING **32-345-41W**

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)
<b>S. TATE 60568</b>			
<b>G. Humphries 49692</b>			
<b>B. Barker 10868</b>			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>52923</b>	<b>75374</b>	<b>126</b>					
<b>56582</b>	<b>75505</b>	<b>52</b>					
<b>4461</b>	<b>75917</b>	<b>52</b>					

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

DATE	CALLS OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<b>6-3-97</b>	<b>6-4-97</b>	<b>6-4-97</b>	<b>6-4-97</b>
TIME	<b>1100</b>	<b>0200</b>	<b>0915</b>	<b>1020</b>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Gellar <b>insect 8 7/8</b>	<b>1</b>	<b>Houco</b>
Float Shoe <b>Fill Tube</b>	<b>1</b>	<b>"</b>
Guide Shoe		
Centralizers <b>Red 8 7/8</b>	<b>1</b>	<b>"</b>
Bottom Plug		
Top Plug <b>5W</b>	<b>1</b>	<b>"</b>
Head		
Packer <b>Basket</b>	<b>1</b>	<b>"</b>
Other <b>weld A</b>	<b>1</b>	<b>"</b>

### WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>new</b>	<b>24#</b>	<b>8 5/8</b>	<b>KB</b>	<b>1430</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

### MATERIALS

Treat Fluid	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	Qty.
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<b>Cement</b> <b>8 5/8</b> <b>5.2</b>
<b>TOTAL</b>		<b>TOTAL</b>		

### HYDRAULIC HORSEPOWER

ORDERED Avail. Used

### AVERAGE RATES IN BPM

TREATED Disp. Overall

FEET **39** CEMENT LEFT IN PIPE **Shoe Joint**  
Reason

### CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
<b>1</b>	<b>350</b>	<b>maxco 3</b>	<b>bulk</b>	<b>32 cc, 1/4# FLD.</b>	<b>3.22</b>	<b>16.1</b>
<b>2</b>	<b>100</b>	<b>Prem +</b>	<b>"</b>	<b>220cc, 1/4# FLD.</b>	<b>1.32</b>	<b>14.8</b>

Circulating Breakdown	Displacement Maximum	Frac Gradient	5 Min	15 Min	Preflush: Gal - BBI	Load & Bkdn: Gal - BBI	Treatment Gal - BBI	Cement Slurr Gal - BBI	Total Volume Gal - BBI	Type	Pad: BBI - Gal	Disp: BBI - Gal

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_



JOB LOG 4239-5

TICKET #	183718	TICKET DATE	6-7-97
REGION	North America	BOA/STATE	KANSAS
MBU ID / EMP #	145730	EMPLOYEE NAME	LAUREN
LOCATION	48301	COMPANY	LAUREN
TICKET AMOUNT		WELL TYPE	01
WELL LOCATION	2-2-2	DEPARTMENT	LAUREN
LEASE / WELL #	2-2-2	SEC / TWP / RNG	010

ORIGINAL

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS/GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	100	200	
	2300							called out for job.
	0200							on loc. with DRIB
	0615							start SD-OP
	0730							out of hole with RIG UP CASERS
	0745							start 8 5/8 CSX & P.F.
	0840							CSX on BOB hook up 8 5/8 P.C. & circ. iron.
	0852							blk circ. with R.Y.
	0853							circ. to pit
	0910							thru circ. hook iron to P.F.
0913	7.0	7.0	201		✓			150 pump 350SK Pt mc. 11.1" gal
0945	5.0	23.5			✓			150 pump 700SK Pt at 14.8" gal
0949	0	23.5			✓			0 shut down drop pipe
0950	6.0	87.2			✓			150 pump DISC
0952	6.0	87.2			✓			150 10 bbis in cmt to pit
1014	3.0	89.2			✓			300 80 bbis in 510 rate
1018	3.0	89.2			✓			300 land pipe
1019	0	89.2			✓			1000 Release float
								RECEIVED
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								KCC WICHITA
	1020	0	89.2		✓			0 Job over
								Thanks for calling
								Type sonny & crew
								80 bbis cmt to pit

**JOB SUMMARY**

# 235727 6-10-97

REGION North America	NW/COUNTRY USA	DDA / STATE KS.	COUNTY Morton
NEU ID / EMP # F4550 L10103	EL / EMP NAME Type 170 U13.	PSL DEPT NT	CMT ORIGINAL
LOCATION Liberol	COMPANY Oxy	CUSTOMER REP / PHONE C91	
TICKET AMOUNT	WELL TYPE 01	API / UWI # 15129215180000	
WELL LOCATION L174	DEPARTMENT CMT	JOB PURPOSE CODE 035	
LEASE / WELL # WMS4. 902	SEC / TWP / RNG 32-34-41		

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
J. Tate F056F			
K. Teepe G994R			
D. Eakin H2707			
C. Ashley H4061			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
52823-75374	114						
470041-P.6	"						
50502-75505	50						
51984-77031	"						

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

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	5/16	QTY	MAKE
Float Collar Fillup	1	H	
Float Shoe	1		
Guide Shoe		0	
Centralizers	34	12	
Bottom Plug			W
Top Plug Set	1		
Head P.C.	1		
Packer D.V. Tool	1		
Other Basket	1		0

**MATERIALS**

Treat Fluid	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		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
6-10-97	1130	1430	1945	0140

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	10.	14	5 1/2	100	4791	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
6-10-97	10	6-10-97	1.25	CMT 5 1/2 V.U. 108
6-11-97	3		1	
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<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**  
 ORDERED \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_  
**AVERAGE RATES IN BPM**  
 TREATED \_\_\_\_\_ Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
**CEMENT LEFT IN PIPE**  
 FEET 13 Reason Shop Joint

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	150	P/MC	B.	2% CC 1/4 # F10	3.22	11.1
1	70	"	"	"	1.84	13.2
1	25	P/MC	B.	"	1.58	14
2	360	"	B.	"	3.22	11.1

Circulating _____	Displacement _____	Preflush: Gal - BB1 20	Type MF
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BB1	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp. BB1 Gal 121.5
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BB1 86.6. 237.12	206.5
		Total Volume Gal - BBI	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
**THE INFORMATION STATED HEREIN IS CORRECT** CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_



JOB #

TICKET #	TICKET DATE
SDA / STATE	COUNTY
PSL DEPARTMENT	ORIGINAL
CUSTOMER REP / PHONE	
API / UWI #	
DEPARTMENT	JOB PURPOSE CODE
SEC / TWP / RING	

REGION North America	COUNTRY
MSU ID / EMP #	EMPLOYEE NAME
LOCATION	COMPANY
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
LEASE / WELL #	SEC / TWP / RING

YES EMP NAME/EMP#(EXPOSURE HOURS) HRS	YES EMP NAME/EMP#(EXPOSURE HOURS) HRS	YES EMP NAME/EMP#(EXPOSURE HOURS) HRS	YES EMP NAME/EMP#(EXPOSURE HOURS) HRS

CHART NO.	TIME	RATE (GPM)	VOLUME (GAL)	PUMPS T/C	PRESS. (psi)		JOB DESCRIPTION / REMARKS
					Top	Cap	
535	1130						Called out for job.
	1430						On loc. Rig L.V.D.P.
	1630						Start 512 CY S.F.E.
	1720						Put D.V. tool on st. 46 qt 3030 ft
	1852						CSD on both hook up 512 pc. & circ. iron.
	1904						BPE circ. w/ky.
	1905						circ. to pit - ESTIMATED 4-6 BPM, 400-500 PSI
	1937						THRU. circ. hook up pit.
							Pump mud flush
	1944	5.0	186	✓	300		PUMP 150SX P/MC. at 11.1' UWI
	1957	5.0	23	✓	140		PUMP 70SX P/MC. at 15.2'
	2005	0	23	✓	0		Shut down wash up.
	2007	5.0	50	✓	100		PUMP DISP. H <sub>2</sub> O
	2017	5.5	71.5	✓	100		PUMP mud. VIST.
	2020	5.5	71.5	✓	300		128 bbls in bit cmt
	2000	3.0	91.5	✓	650		111 bbls in sio rate.
	2036	3.0	71.5	✓	1500		Land plug.
	2037	0	71.5	✓	1500		Release float - Held.
	2043	0	71.5	✓	0		STOP DUMB.
	2100						OPEN TOOL
	2406						HOOK IRON TO RIG. circ. 4 hrs.
	038	6.5	20	✓	200		THRU. circ. hook iron to pit. Pump mud flush
	041	6.5	206	✓	200		PUMP 360SX P/MC. at 11.1' UWI
	0113	0	206	✓	0		Shut down vrop plug.
	0117	7.0	74	✓	150		PUMP DISP.
	0127	4.0	74	✓	400		40 bbls in cmt to pit
	0135	3.0	74	✓	650		66 bbls in sio rate.
	0137	3.0	74	✓	1800		Land plug close tool
	0138	0	74	✓	2200		Release - Held.
	040						Job over

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Thanks for calling.  
Tyce Sonny's crew  
34  
27 bbls cmt to pit  
475x cmt to pit  
60

**JOB SUMMARY**

REGION <b>North America</b>	NWA/COUNTRY <b>MID Low</b>	BDA / STATE <b>KS</b>	COUNTY <b>MARTON</b>
MBU ID / EMP # <b>MCBA 0104 H4143</b>	EMPLOYEE NAME <b>JAMES GUTHAIE</b>	PBL DEPARTMENT <b>21</b>	<b>ORIGINAL</b>
LOCATION <b>PMPA</b>	COMPANY <b>EXY USA INC</b>	CUSTOMER REP / PHONE	
TICKET AMOUNT <b>P 3594.52</b>	WELL TYPE <b>01 OIL</b>	API / LWD # <b>1512921518-0000</b>	
WELL LOCATION <b>ROEFLHART</b>	DEPARTMENT <b>CEMENT</b>	JOB PURPOSE CODE <b>075</b>	
LEASE / WELL # <b>WMS4902</b>	SEC / TWP / RNG <b>32-345-41W</b>		

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
<b>GUTHAIE</b>	<b>5</b>						
<b>H4143</b>							
<b>RAINES</b>	<b>5</b>						
<b>H3377</b>							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>53552-79202</b>	<b>120</b>						
<b>420622</b>	<b>120</b>						

**RECEIVED**  
**OCT 26 2001**  
**REC WICHITA**

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

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

**MATERIALS**

Treat Fluid	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		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
		<b>10-13-99</b>	<b>10-13-99</b>	<b>10-13-99</b>	<b>10-13-99</b>
		<b>0400</b>	<b>07:30</b>	<b>0845</b>	<b>1130</b>

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing						
Liner						
Liner						
Tbg/D.P.	<b>USRP</b>	<b>4.7</b>	<b>2 3/8</b>	<b>GRADUND</b>	<b>4893</b>	
Tbg/D.P.						
Open Hole						
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<b>SQUEEZE</b> <b>AS</b> <b>DIRTYLED</b>
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**  
 Avail. \_\_\_\_\_ Used \_\_\_\_\_  
**AVERAGE RATES IN BPM**  
 Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
**CEMENT LEFT IN PIPE**  
 Reason \_\_\_\_\_

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<b>75</b>	<b>Perm</b>	<b>BULK</b>	<b>5% HALAD 322</b>	<b>1.18</b>	<b>15.6</b>

Circulating Breakdown	Displacement	Preflush:	Gal - BBI	<b>50</b>	Type
Average	Maximum	Load & Bkdn:	Gal - BBI		Pad: BBI - <b>5</b>
Shut In: Instant	Frac Gradient	Treatment	Gal - BBI		Disp: BBI - <b>16</b>
	5 Min	Cement Slurr	Gal - BBI	<b>15.8</b>	
	15 Min	Total Volume	Gal - BBI	<b>36.4</b>	

**JOB LOG** 42SD-5

TICKET # <b>397639</b>	NO. 153	TCP. 6/EE <b>10-19-99</b>
BOA/STATE <b>KS</b>	COUNTY <b>MORTON</b>	
PSL DEPARTMENT <b>2.1</b>	CUSTOMER REP / PHONE <b>WYLR WYLR</b>	<b>ORIGINAL</b>
API / UWI # <b>1512921518000A</b>	JOB PURPOSE CODE <b>075</b>	

REGION <b>North America</b>	NW/COUNTRY <b>-410 LOW</b>
MBU ID / EMP # <b>MLPAB106 H4143</b>	EMPLOYEE NAME <b>JAMES GATHRA</b>
LOCATION <b>Pampa</b>	COMPANY <b>OXY USA INC.</b>
TICKET AMOUNT <b>3590.52</b>	WELL TYPE <b>O OIL</b>
WELL LOCATION <b>ROF ELKHART</b>	DEPARTMENT <b>CRIMT</b>
LEASE / WELL # <b>WMS4 902</b>	SEC / TWP / RNG <b>32-345-41W</b>

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
<b>GATHRA H4143</b>	<b>5</b>						
<b>BAIRS H3377</b>	<b>5</b>						

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Tq	Cig	
	0900							CALLER OUT
	0730							ON LOCATION
	0745							SAFETY MEETING. RECEIVED
	0850	2	50			50		LOAD HOLD
	0910							SAFETY MEETING
	0925					3000		PSI TEST OCT 26 2001
	0927	2	50			50		PUMP SPACER
	0925	2	16			100		PUMP CNT KCC WICHITA
	0937	2	16			140		PUMP DISP
	0946							SHUT DOWN PULL 13 STANDS TORQUE + WASH 40 TRACK
	0955	2	24			360		RELEASE OUT BACK 1000 CNT
	1010	.25	1			500		PRESSURE DIP
	1011	.25	.25			250		PRESSURE UP
	1105							RELEASED PRESSURE AND RACKED UP

THANKS FOR  
 CALLING  
 HALLIBURTON





JOB SU ARY 4239

TICKET # 222 9  
TICKET DATE 6-26-97  
BDA / STATE KS.  
COUNTY MARTON

REGION North America  
NWA/COUNTRY  
MBU ID / EMP # PA-0201 B-1313  
LOCATION PAMPA TX.  
TICKET AMOUNT  
WELL LOCATION S.W.-OF WILBERTAUKS.  
LEASE / WELL # WMS4 902

EMPLOYEE NAME Ron Ingram  
COMPANY OKY USA Inc.  
WELL TYPE 02  
DEPARTMENT 02088  
SEC / TWP / RNG 32-345-41W

PSL DEPARTMENT 7015  
CUSTOMER REP / PHONE  
API / UWI #  
JOB PURPOSE CODE 195  
OCT 26 2001  
KCC WICHITA

ORIGINAL RECEIVED  
OCT 26 2001  
KCC WICHITA

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
Ron Ingram B-1313 ✓			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
40084	320						

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

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	6-26-97	6-26-97	6-26-97	6-26-97
TIME	10:00	1:30	4:10	

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing						
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	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		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				Ron 5 1/2 inch line E2SV and Squeez with 755K RF Disp. 158 HALAD 322 26 CAC 12
TOTAL		TOTAL		

**HYDRAULIC HORSEPOWER**

ORDERED	Avail.	Used
<b>AVERAGE RATES IN BPM</b>		
TREATED	Disp.	Overall
<b>CEMENT LEFT IN PIPE</b>		
FEET	Reason	

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	75	Premium	2	158 HALAD 322, 2% CAC 12	1.06	16.4
2	75	Prem		158 HALAD 322, 2% CC	1.06	16.4

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal - BBI \_\_\_\_\_ Type \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI \_\_\_\_\_ Pad: BBI - Gal \_\_\_\_\_  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI \_\_\_\_\_ Disp: BBI - Gal \_\_\_\_\_  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - BBI \_\_\_\_\_  
 Total Volume Gal - BBI \_\_\_\_\_

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
 THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

REGION North America	NW/COUNTRY	UDA/STATE	COUNTY
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	ORIGINAL
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RANG		

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Top	Csg	
	10:30							Called out
	1:30							On loc TOH 50 EISL and squeeze stand by
	4:10							Wedge still repairing
	4:50							START WIRE WITH E25V SET AT 4925
	5:10							On location
	6:00							Set wire below the stage guide and tubing restrictor
	6:15							250 psi
	6:25							STOP WIRE E25V
	6:30							on loc 500 gal of mud flow down with the test
	6:40							Rate test down to sand pack at 2000
	6:50							START down hole at 1800 PSI Pumping 1/2 BBL/min
	7:00							AT 1800 PSI 1/2 BBL/min at 1800 PSI Then 3 BBL
	7:15							min at 2100 PSI Pumped 15 BBL shut down
	7:20							back out
	7:30							START down hole 2 1/2 BBL/min 1800
	7:40							Wash Pump and lines
	7:50							START disp 2 BBL/min 2000 PSI Pumped 1 BBL/min
	8:00							shut down Pull Test stands then back out
	8:10							START Pumping out Pumped 25 BBL shut down
	8:20							did not go any thing back
	8:30							On location
	8:40							Load: 400 12 BBL
	8:50							Pressure up to 1000 PSI Pressure up to 1700 PSI at 11
	9:00							T 1 H and RTTS SET AT 4650 FT Pressure Annular
	9:10							To 1000 psi
	9:20							Pump 10 Tons at 2 BPP at 2300 psi on loc
	9:30							Cement on location
	9:40							Re pressure Annular Injection Rate 1.5 at 2500 psi
	9:50							Max Cement at 1 1/4 BPP at 2500 psi
	10:00							With Pump to line
	10:10							Disperse at 2 BPP to 8 BBL Pressure at
	10:20							2500 psi Slow Rate to 1 1/4 BPP to
	10:30							10 BBL Pressure at 2500 psi Slow Rate
	10:40							to 1 1/2 BPP Pressure at 2000 psi
	10:50							Pump at 1/2 BPP with Pressure to 2000 psi
	11:00							Pump 1/4 BBL with Pressure to 2000 psi
	11:10							shut down 15 EISL 2 1/2
	11:20							Check For Flow Back Done
	11:30							Back out 1 BBL Cement
	11:40							TOH and RTTS
	11:50							Leave con on loc

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JOB LOG

TICKET # 123456789  
TICKET DATE 6-27-97

REGION North America	NWA/COUNTRY	SDA/STATE	COUNTY
MBUID/EMP#	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNG		

ORIGINAL

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
	D. Wilmbury/H2004		

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0900							Called out
	1430							on location
	1630							left
	1700							set F75V
	1815							9-14
	1820							break up
	1825							Test lines to 5000 psi
	1835	3	15			500		Get inj. rate - pump 500 gal MF
	1840							Mix cmt
	1845	2.5	14			2000		Pump cmt
	1850							Wash pump lines
	1858	2.5	19			2500		Displace
	1915							Trip out 10 stands
	1920	5	25			1000		Rev. out
	2000							Wash up - stake out
	0800							Called out
	0800							on location
	0805							break up
	0930		11			1500		Test csg - (leaking) 10 add. to load
	1100							T.H. w/ PKR
	1101		1			1000		Load back side
	1115	2	5			2300		get injection rate
	1400							call for cement - WDC
	1415	2				2300		Get inj. rate
	1430							Review Job Plan - Mix cmt
	1437	2	14			1600	1000	Pump cmt
	1442							Wash pump lines
	1502	4-2	15 1/2			3000	1000	Displace
	1515	2	25			850		Reverse out
	1630							Wash up - T.H.
	1645							Wash up on cmt
								Back up

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Thanks for calling  
Halliburton,

**JOB SUMMARY**

TICKET # 27104      TICKET DATE \_\_\_\_\_

REGION North America      NWAC/COUNTRY MID CONR      BDA/STATE KS      COUNTY NEW MORTON

MBLID/EMP # PA0103 H 2766      EMPLOYEE NAME J.B. JONES      PSL DEPARTMENT CMT      CUSTOMER REP / PHONE ORIGI

LOCATION WILBURTON KS      COMPANY OXY      CUSTOMER REP / PHONE CAL WYLLR 629-4227

TICKET AMOUNT \_\_\_\_\_      WELL TYPE GAS      API / UWI # \_\_\_\_\_

WELL LOCATION E. WILBURTON      DEPARTMENT 5001 CMT      JOB PURPOSE CODE 075

LEASE / WELL # WMSU 902      SEC / TWP / RNG 32, 34S, 41W

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
<u>J.B. JONES H 2766</u>			
<u>J. GUTHRIE H 4143</u>			
<u>G. JONES J 0479</u>			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<u>40082</u>	<u>334</u>						
<u>52106-77557</u>	<u>334</u>						
<u>4906-7614</u>	<u>334</u>						

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

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

**MATERIALS**

Treat Fluid	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	In
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
		<u>6-26-97</u>	<u>6-26-97</u>	<u>6-26-97</u>	<u>6-27-97</u>
		<u>0900</u>	<u>1430</u>	<u>1815</u>	<u>1700</u>

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<u>N</u>	<u>14</u>	<u>5 1/2</u>	<u>GL</u>	<u>4925</u>	<u>3500</u>
Liner						
Liner						
Tbg/D.P.	<u>N</u>	<u>4.7</u>	<u>2 3/8</u>	<u>KB</u>	<u>4925</u>	<u>3500</u>
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<u>Squeeze CMT as directed by customer</u>
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<u>75</u>	<u>PREMIUM</u>	<u>FB</u>	<u>0.5% HALAD 322, 2% CALL 2</u>	<u>1.06</u>	<u>16.4</u>
	<u>75</u>	<u>PREM</u>	<u>B</u>	<u>.5% Halad-322, 2% CC</u>	<u>1.06</u>	<u>16.4</u>

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal
Shut In: Instant	5 Min _____ 15 Min _____	Cement Slurr	Gal - BBI	
		Total Volume	Gal - BBI	<u>see Job log</u>

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

THE INFORMATION STATED HEREIN IS CORRECT      CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_