

FORM MUST BE TYPED

SIDE ONE

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

API NO. 15189223180000

County STEVENS

NE - NW - SE - Sec. 6 Twp. 32S Rge. 38W

2203.3 Feet from the South Line of the Section

1407.7 Feet from the East Line of the Section

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

Lease Name MLP CURTIS A Well # 1

Field Name

Producing Formation LOWER MORROW

Elevation: Ground 3169 KB 3181

Total Depth 6300 PBTD 6292.

Amount of Surface Pipe Set and Cemented at 1551 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 3150. Feet

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

Drilling Fluid Management Plan AH-1, 12-30-99 v.c.
(Data must be collected from the Reserve Pit)

Chloride content 3500 ppm Fluid volume 6000 bbls

Dewatering method used EVAPORATION

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. W

County Docket No.

Operator: License # 5447

Name: OXY USA, Inc.

Address P.O. Box 2528

City/State/Zip Liberal, KS 67905

Purchaser: Pending

Operator Contact Person: Cal Wylie

Phone (316) 629-4200

Contractor: Name: DUKE DRILLING CO.

License: 5929

Wellsite Geologist: EDWIN H. GRIEVES

Designate Type of Completion
X New Well Re-Entry Workover
Oil SWD SLOW Temp. Abd.
X 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 PBTD
Commingleed Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.
09-10-99 10-06-99 T AND A
Spud Date Date Reached TD Completion Date

KCC
DEC 28 1999
CONFIDENTIAL
RECEIVED
ST. CORPORATION COMMISSION
Conservation Division
Wichita, Kansas
DEC 28 1999

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 David E Rice
Title Capital Projects Date 12-27-99
Subscribed and sworn to before me this 27 day of December, 19 99.
Notary Public Anita Peterson
Date Commission Expires Oct. 1, 2001

YES 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
RELEASED (Specify)
DEC 23 2000

NOTARY PUBLIC, State of Kansas
ANITA PETERSON
My Appt. Exp. Oct. 1, 2001

Form ACO-1 (7-91)

FROM CONFIDENTIAL

Operator Name OXY USA, Inc.

Lease Name MLP CURTIS A Well # 1

Sec. 6 Twp. 32S Rge. 36W

County STEVENS

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 Take 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:
GEOLOGISTS REPORT
INDUCTION LOG
SONIC LOG
DUAL SPACED NEUTRON

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
HEEBNER	3972	-790
LANSING	4084	-902
MARMATON	4739	-1557
CHEROKEE	4973	-1791
MORROW	5490	-2308
CHESTER	5907	-2725
STE. GENEVIEVE	6020	-2838
ST. LOUIS	6136	-2954

CASING RECORD New 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	1492.4	C	425	3 1/2 FLOCELE
Intermediate					C		
Production	7 7/8	5 1/2	15.50	6292.8	C	300	2 1/2 GEL 5 # GILSONITE 5 # CAL SEAL .5 HALAD 322 10 1/2

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top - Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" 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
4	5603 - 5606		
4	5944 - 5975		

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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) _____

NOV 19 1964



JOB SUMMARY 4239-1

TICKET #	TICKET DATE
153281	9-13-94

REGION North America	NW/COUNTRY USA	BDA / STATE KS	COUNTY SAPULPA
MBU ID / EMP # 106304	EMPLOYEE NAME TYCE DAVIS	PSL DEPARTMENT 22	
LOCATION L. 20191 10	COMPANY OXY KCO	CUSTOMER REP / PHONE DAV. & Rice	
TICKET AMOUNT \$121.64	WELL TYPE 02	API / UWI # 1512922310000	
WELL LOCATION Land W.W. HUBBARD	DEPARTMENT 75	JOB PURPOSE CODE D10	
LEASE / WELL #	SEC / TWP / RNG 6-32-38-N11A1		

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
TYCE DAVIS 106304			
S. E. RYAN 106094			
W. W. HUBBARD 106085			
M. L. BART			

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HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54218-7202	60						
54029-1610	30						
54225-75817	30						

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

	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	9-13-94	9-13-94	9-13-94	9-14-94
TIME	6500	6500	1730	1930

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Gollar Insert 5 1/2	1	M
Float Shoe		
Guide Shoe 10 1/4	1	O
Centralizers 5 1/4	5	
Bottom Plug		W
Top Plug 5 W	1	
Head P.C.	1	C
Packer Clamp	1	
Other 180) 1/2	2	O

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24	8 5/8	1013	1555	
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.	ST. %
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	
				CMT 8 5/8 5 1/2

HYDRAULIC HORSEPOWER
 ORDERED Avail. Used
AVERAGE RATES IN BPM
 TREATED Disp. Overall
 FEET 46
CEMENT LEFT IN PIPE
 Reason RELEASED

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	325	PTM6	85	370 cc 1/2" Flow. 1.2% FW 12 DEC 23 2000	2.92	11.4
1	100	PL	45	270 cc 1/4" Flow. 1.2%	1.32	14.8
2	400	PTM7	13	370 cc	1.68	15.6
	750				1.06	16.4

Circulating	Displacement	Preflush:	Gal - (BB) 50	Type: 3 Flowcheck
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: (BB) Gal 96
Shut In: Instant	5 Min 15 Min	Cement Slurr	Gal - (BB) 169 L.C.	23.5 T.C.
		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 _____
 D. M. R. Rice



JOB SUMMARY 4239-1

TICKET # 153281 TICKET DATE 8-15-99

REGION North America	NWA/COUNTRY USA	BDA / STATE KS	COUNTY STEVENS
MBU ID / EMP # ML 106304 106304	EMPLOYEE NAME TYLE DAVIS KCC	PSL DEPARTMENT ZF	
LOCATION Liberal 10	COMPANY OKY	CUSTOMER REP / PHONE DAVID KICE	
TICKET AMOUNT	WELL TYPE OL	API / UWI # 15189223180000	
WELL LOCATION LAND N.W. Huston.	DEPARTMENT ZF	JOB PURPOSE CODE 075	
LEASE / WELL # MLP CURTIS A-1	SEC / TWP / RNG 6-32-32		

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
T. DAVIS 106304	B. McINTYRE		
S. ENYAL 106099			
M. F. Huston			
N. Korbe			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54218-78202	60						
54229-6610	30						

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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.
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
Perfpac Balls	Qty.	
Other		
Other		
Other		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
9-15-99	1100	9-15-99	1330	9-15-99	1430
				9-17-99	2030

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	24	8 5/8	10-L	1555
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					
Perforations				1165	
Perforations					
Perforations					

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<i>[Signature]</i> 50 WAPTE 5000 CLP
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER
 ORDERED _____ Avail. _____ Used _____
AVERAGE RATES IN BPM
 TREATED _____ Disp. _____ Overall _____
CEMENT LEFT IN PIPE
 FEET _____ Reason _____

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	RELEASED	YIELD	LBS/GAL
1	100	PREM	B	13% CEMENT 2% FLUOR	4% BBI	161	164
	100	PREM	B	2% FLUOR 1% FICLON		105	164
2	50	PREM	B	10% CEMENT 2% FLUOR	4% BBI	161	164
3	50	PREM	B	2% FLUOR 1% FICLON		161	164

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 _____

JOB SUMMARY

ORDER NO. 7006

TICKET #	184574	TICKET DATE	10-6-99
REGION	North America	NWA/COUNTRY	MID CONTINENT
BDA / STATE	KS	COUNTY	STEVENS
MBU ID / EMP #	MCLT 0101 105953	EMPLOYEE NAME	S. TATE
LOCATION	Liberal KS	COMPANY	OXY
TICKET AMOUNT	9789.80	WELL TYPE	02
WELL LOCATION	Deerfoot KS	DEPARTMENT	2I
LEASE / WELL #	MEP 10 CURTIS A-1	SEC / TWP / RNG	6-32S-38W KCC
PSL DEPARTMENT		CUSTOMER REP / PHONE	
API / UWI #		JOB PURPOSE CODE	
		035	

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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. McLAVER 105922 AS		DEW 0 1999	
S. TATE 105953 AS			
R. Ferguson 106154 1Z			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420 995	60						
54038 77941	60						
54225 6610	25						

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
	10-5-99	10-5-99	10-6-99	10-6-99
TIME	2:15	2:30	08:10	10:33

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Coffer Basket 5 1/2	1	Howco
Float Shoe IFS 5 1/2	1	Howco
Guide Shoe		
Centralizers REG "	6	"
Bottom Plug		
Top Plug LD+Buffed	1	"
Head clamp "	1	"
Reamer Weld #	2	"
Other Centralizers F.M	6	"

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	6291	KB	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

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

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				035
TOTAL		TOTAL		

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 CONSERVATION DIVISION
 OCT 28 1999
 Conservation Division
 Wichita, Kansas

ORDERED	HYDRAULIC HORSEPOWER
	Avail. _____ Used _____
TREATED	AVERAGE RATES IN BPM
	Disp. _____ Overall _____
FEET	CEMENT LEFT IN PIPE
84.22	Reason Shoe Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	300	50/50 Pz H	13	2% Gel, 5# Gilsomite, 5# Cal Seal, .5 Holco 322 10% SALT	1.50	13.85
2	25	50/50 Pz H	13	2% Gel, 5# Gilsomite, 5# Cal Seal, .5 Holco 322 10% SALT	1.50	13.85

Circulating	Displacement	Preflush:	Gal - BBI	Type	
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad:	BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp:	BBI - Gal 142.7
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: *David Eric*

JOB LOG

ORDER NO. 7006

TICKET #

184574

TICKET DATE

10-6-99

REGION North America	NWA/COUNTRY Mid Continent	BDA / STATE KS	COUNTY Stevens
MBU ID / EMP # MCL10101 106322	EMPLOYEE NAME D. McKane	PSL DEPARTMENT ZI	CUSTOMER REP / PHONE
LOCATION Liberal	COMPANY Oxy USA KCC	API / UWI # 15-189-22318-0000	JOB PURPOSE CODE 035
TICKET AMOUNT 9789.80	WELL TYPE 02	DEPARTMENT ZI	SEC / DWP / RNG 6
WELL LOCATION Dermount	DEPARTMENT ZI	DEPT / R / RNG 325	CONFIDENTIAL
LEASE / WELL # MLP Curtis A-1	DEPARTMENT ZI	DEPT / R / RNG 38W	

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. McKane 106322	17.5						
S. Tate 105953	17.5						
R. Ferguson 106154	12						

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1915							Called for Job
	2330							on location rig laying down D.P. Hold Safety meeting set up pump truck
	0200							D.P. out of hole
	0205							Rig up Csg Crew
	0223							Start running Csg & Float Equip.
	0620							Csg on bottom
	0625							Hook up PIC & Circulating Iron
	0635							Start Circulating
	0808							Thru Circulating
	0810							Hook up to pump truck
	0810					1/2900		Pressure test lines
	0811	5.5	10			1/100		Start CC water
	0813	5.5	5			415		Start Freshwater
	0814	6	10			440		Start Super Flush
	0816	6	5			490		Start Freshwater
	0817	6	80			440/375		Start Cement @ 13.8"
	0831							Thru mixing Cement
	0832							Shut down & Release plug
	0833							Wash up pumps & lines
	0835	7	147.7			0/65		Start Displacement
	0850	5.5				75/190		Caught Cement
	0852	2				85/150		Slow down rate
	0904					100/100		Plug landed
	0905					150/10		Release float
	0915							Start hold
	1019					9/3000		Rig laying down rat & mouse
	1025	2	3			0		Pressure test lines
	1033	2				0		Plug rat hole
								Plug mouse hole

ST. CORPORATION COMM. DIVISION

DEC 28 1999

Conservation Division
Wichita, Kansas

RELEASED

DEC 23 2000

FROM CONFIDENTIAL

Well Circulated thru out Job

Thank You For Calling Halliburton

Danny & Sonny & Crew