

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

Operator: License # 5447

Name: OXY USA Inc.

Address P. O. Box 26100

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

Purchaser: Colorado Interstate Gas

Operator Contact Person: Jerry Ledlow

Phone (405) 749-2309

Contractor: Name: Cheyenne

License: 5382

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW 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 PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

2/2/95 2/6/95 5/19/95
Spud Date Date Reached TD Completion Date

API NO. 15- 093-21415

County Kearny

- NW - SE - NE Sec. 2 Twp. 24S Rge. 35 X W

3725 Feet from S/X (circle one) Line of Section

1280 Feet from E/W (circle one) Line of Section

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

Lease Name Murray B Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2990 KB 2999

Total Depth 2851 PBTB 2787

Amount of Surface Pipe Set and Cemented at 600 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set DV Tool @ 1299 Feet

If Alternate II completion, cement circulated from 1303' surface

feet depth to Surface 600 w/ 200 240 sx cm.

Drilling Fluid Management Plan ALT II 5-17-99
(Data must be collected from the Reserve Pit) DPW

Chloride content 6400 ppm Fluid volume 2580 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled off site: **RELEASED**

Operator Name _____ JUN 14 1996

Lease Name _____ License No. _____

Quarter _____ Sec. _____ **FROM CONFIDENTIAL**

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 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title Staff Analyst Date 5/13/95

Subscribed and sworn to before me this 31st day of May, 1995

Notary Public Cari Allen

Date Commission Expires 7-14-95

<input checked="" type="checkbox"/> K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

SIDE TWO

CONFIDENTIAL

Operator Name OXY USA, Inc. Lease Name Murray B Well # 2

Sec. 2 Twp. 24S Rge. 35 East West
County Kearny

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<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	Hollenberg	2478	521
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herington	2500	499
List All E.Logs Run:		Krider	2528	471
Dual Spaced Neutron		Winfield	2565	434
MSG Cement Bond Gamma Collar Log		Towanda	2626	373
		Ft Riley	2684	315
		Wreford	2762	237

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	600	Midcon	240 265	2%cc
Production	7 3/4"	5 1/2"	14	2849	Midcon	1st stage	320 sks
					50/50 Poz	2nd stage	200 sks

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
2	2478-82, 2500-02, 2510-12, 2528-32, 2568-70,	Acidize w/2000 gal 7.5% HCL	
	2630-32, 2685-87.	Frac w/49,725 gal gel wtr.,	
		207,000 # 12/20 Brady Sand	

TUBING RECORD

Size 2 3/8" Set At 2695 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 4/5/95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 200 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: **METHOD OF COMPLETION** Production Interval 2478-2687

Vented Sold Used on Lease (If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled

Other (Specify) _____



ADDRESS *Oxy USA*
 CITY, STATE, ZIP CODE

15-093-21415-0600
 TICKET No. 706143 - 9
 PAGE 1 OF

FORM 1906 R-13

SERVICE LOCATIONS 1. 25540 <i>L1000 LK</i>	WELL/PROJECT NO. 2#	LEASE <i>Murray B</i>	COUNTY/PARISH <i>Keokuk</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION	DATE <i>7-2-95</i>	OWNER <i>Oxy USA</i>
2. 25535 <i>Horton LK</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Cheyenne Drilling</i>	RIG NAME/NO.	SHIPPED VIA <i>Loc.</i>	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <i>010 8 5/8 SURFACE</i>	WELL PERMIT NO.	WELL LOCATION <i>NE. OF Deep Field</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC	DESCRIPTION	QTY.	U/M	UNIT PRICE	AMOUNT
000-117		1	MILEAGE	74	MI	2.75	203.50
001-016		1	Pump charge	605	FT		890.00
030-018		1	Sul Top Plug	1	PLUG	130.00	130.00
597	825-1269	1	ROFFLO Plate	1	PLATE	45.00	45.00
40	806-61048	1	Centralizer's	3	CENTRALIZER	65.00	195.00
320	806-71460	1	Basket	1	BASKET	108.00	108.00
350	890-10802	1	Howco weld A	14	WELD	14.50	14.50

RECEIVED JUN 01 1995
 KANSAS CORPORATION COMMISSION
 CONSERVATION DIVISION
 WICHITA, KS
 RELEASED JUN 14 1996
 OIA CONFIDENTIAL

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <i>X Tom Harmon</i> DATE SIGNED <input checked="" type="checkbox"/> TIME SIGNED <input checked="" type="checkbox"/>	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY <input type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE		PAGE TOTAL 1586.00 FROM CONTINUATION PAGE(S) 4482.19 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 6068.19
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?		
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?		
TUBING SIZE	TUBING PRESSURE	WELL DEPTH		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	
TREE CONNECTION	TYPE VALVE			ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <i>Tom Harmon</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X Tom Harmon</i>	HALLIBURTON OPERATOR/ENGINEER <i>Dennis Corp</i>	EMP # <i>59179</i>	HALLIBURTON APPROVAL <i>[Signature]</i>	40.5% *
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HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

TICKET CONTINUATION

ORIGINAL

21 M.G.

15-093-21415-0000

TICKET No. 706143

CUSTOMER OXY USA	WELL MURRAY #2	DATE 02-02-95	PAGE OF
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-050	516.00265	2			PREMIUM PLUS CEMENT	150	SK			11.19	1678.50
504-200		2			MIDCON 3	115	SK			15.54	1287.10
507-210	890.50071	2			FLOCELE 1/2#W/ 150	38	LB			1.65	62.70
509-406	890.50812	2			CALCIUM CHLORIDE 2#W/ 150	3	SK			36.75	110.25
500-207		2			SERVICE CHARGE	CUBIC FEET		288		1.35	388.80
500-306		2			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			
						25,880	37 XX	478.78		95	454.84

ORIGINAL

CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 0 1 1995

CONSERVATION DIVISION
TOPEKA, KS

RELEASED

JUN 1 4 1996

FROM CONFIDENTIAL

CONTINUATION TOTAL 4482.19

No. B 218510



JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

MidCont
Liberal Ks

15-093-21415-0000

BILLED ON TICKET NO. 706143

CUSTOMER: Oxy USA
LEASE: Murray
WELL NO: 2
JOB TYPE: 8 5/8 SURFACE DATE: 2-2-95

WELL DATA

FIELD _____ SEC. 2 TWP. 24s RING. 35w COUNTY Keney STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	8 5/8	KB	605.34	
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	605	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 2-2	DATE 2-3	DATE 2-3	DATE 2-3
TIME 2100	TIME 2400	TIME 0300	TIME 0400

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
8 5/8 Raffle Plate	1	Howco
FLLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	3	
BOTTOM PLUG		
TOP PLUG	1	
HEAD		
PACKER Basket	1	
OTHER Howco weldA	1/2	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
OCare	40015	Liberal Ks
R. Elwood	59179	
	52938 A	11
R. Anderson	04360	7848
	7817	Hogton Ks
	C8213	3625

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. API

DISPL. FLUID _____ DENSITY _____ LB./GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB 8 5/8 SURFACE

JOB DONE THRU. TUBING CASING ANNULUS TBG / ANN

CUSTOMER REPRESENTATIVE [Signature]

HALLIBURTON OPERATOR Dennis Corie

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT./SK.	MIXED LBS./GAL.
	115	MidCont	3		RELEASED	3.22	11.1
	150	Prem Plus			2% CC 1/4 # Mecele	1.32	14.2

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 42 REASON Shoe Joint

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____

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

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 36

CEMENT SLURRY: BBL.-GAL. 101.21

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

FROM CONFIDENTIAL

JUN 9 & 1996

CUSTOMER *Omni USA* WELL NO. *2#* LEASE *MURRAY B* JOB TYPE *8 5/8 SUBFACE* TICKET NO. *706143*

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

2100
2200
2400

Time called -
Time Ready
Time out of hole. Orig. Subface Hole

ORIGINAL

0200

Start Pumping

0300

Casing in Hole

0301

Hook up To Circulate Casing

0310

Circulate Casing w/ pig

0312

Circulate Mud To Sealed Level

0325

Hook up To Pig Track

0330

6.2

100

Start Mixing Cement

0340

65.99

150

Start Tail Cement

0345

35.26

200

Finish Mixing Cement

0345

101.21 Total

200%

Shut Down

1 Deep Plug

0348

5

75

Start Displacement

2.4

36.0

0400

175

Plug Down

wash Pumps & Lines Pump Lost 10 (BBL) (BPM)

Shut in/hood

Circulate Cement To P.T ✓
12.1336 20.512

CONFIDENTIAL

RELEASED

JUN 14 1996

FROM CONFIDENTIAL



CHARGE TO: **Oxy USA Inc.**
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

Jerry L. No. **706039 - 1**
 TICKET
 15-093-21415-0006
 PAGE 1 OF 2

FORM 1908 R-13

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. 025640 Librally	2	Murray B	Kearny	KY		2-5-95	Oxy
2. 025535 Hugston							
3.	TICKET TYPE	NITROGEN JOB?	CONTRACTOR	REQ NAME/NO.	SHIPPED TO	DELIVERED TO	ORDER NO.
	<input checked="" type="checkbox"/> SERVICE	<input type="checkbox"/> YES	Cheyenne Drly	Cheyenne + 5	HOS	Dearfield	
4.	<input type="checkbox"/> SALES	<input checked="" type="checkbox"/> NO					
	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
	02	01	035 Ex. DV.	15093214150000	2-245-35W		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DP		U/M	U/M		
000-117		1			MILEAGE	74	mi	2.75	203.50
007-013	001-016	1	AL		Pump Charge	2851	FT		1,455.00
007-161		1	AL		2nd Stage Pump Charge		FT		1,400.00
12A	825.205	1	AL	32	Boide Shoe	5 1/2	in		121.00
4A	836.07100	1	IG	32	SS Float Collar	"	"		253.00
40	806.61022	1	AL	32	Centralizers 500	"	"	40	400.00
71	813.80300	1	AL	17	DV Tool	"	"		2,450.00
75	813.16510	1	AL	17	DV Plug Set	"	"		460.00
320	806.71430	1	AL	32	CMT. Baskets	"	"	90	180.00
594	801.03743	1	AL	32	Latch Down. Baffle	"	"		114.00
595	812.01689	1	AL	32	Latch Down. Plug	"	"		540.00
350	890.10802	1	AL	32	Weld - A	1	lb		14.50

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: *Tom Harman*

DATE SIGNED: **2-5-95** TIME SIGNED: **12:00** A.M. P.M.

TUBING SIZE: _____ TUBING PRESSURE: _____ WELL DEPTH: _____

TRIPLE CONNECTION: _____ TYPE VALVE: _____

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
TYPE LOCK _____ DEPTH _____	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				7591.00
BEAN SIZE _____ SPACERS _____	WE UNDERSTOOD AND MET YOUR NEEDS?				FROM CONTINUATION PAGE(S)
TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				9,570.23
TUBING SIZE _____ TUBING PRESSURE _____ WELL DEPTH _____	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				17,161.23
TRIPLE CONNECTION _____ TYPE VALVE _____	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				11,032.75

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): *Tom Harman* CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *Tom Harman* HALLIBURTON OPERATOR/ENGINEER: *Tim Bohannon* EMP #: **87748** HALLIBURTON APPROVAL: *JL Keenan* **40.5%***



TICKET CONTINUATION

ORIGINAL

15-093-21415-0005
TICKET No. 706039

HALLIBURTON ENERGY SERVICES

36

CUSTOMER PLC OXY XX USA

WELL MURRY "B"

DATE 2-5-95

PAGE 2 OF 12

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M	UNIT PRICE	AMOUNT
		LOG	ACCT	DF		QTY.	U/M			
504-200		2			MIDCON	300	SK		15 11	4533 00
		2			220 CU.FT. 50/50 PREMIUM PLBS CEMENT					
504-050	516.00265	2			PREMIUM PLUS CEMENT	110	SK		11 19	1230 90
506-105	516.00286	2			POZMIX A	8140	LB		074	602 36
506-121	516.00259	2			GEL 2%	4	SK			NC
507-210	890.50071	2			FLOCELE 1/2#/220SK	55	LB		1 65	90 75
507-775	516.00144	2			HALAD-322 6/10%/220 SK	110	LB		7 00	770 00
509-406	890.50812	2			CALCIUM CHLORIDE 2%/220SK	4	SK		36 75	147 00
018-315		1			Mod Flush	420	gal		.65	273 -
500-207		2			SERVICE CHARGE			CUBIC FEET 561	1 35	737 35
500-306		2			MILEAGE CHARGE	TOTAL WEIGHT 49,089	LOADED MILES 50	TON MILES 1,227.23	95	1165 89

ORIGINAL

CONFIDENTIAL

RELEASED

JUN 14 1996

FROM CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 01 1995

CONSERVATION DIVISION

No. B 218527

CONTINUATION TOTAL 9570.23



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATIONMid Conto
Liberal Ks15-093-21415-0000
BILLED ON TICKET NO. 706039WELL DATA
FIELD _____ SEC 2 TWP. 243 RING 35 W COUNTY Kearny STATE KsFORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE Chrom MUD WT. 90
PACER TYPE DJ Tool SET AT 1303
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH 2851

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	KB	2851	2,000
LINER						
TUBING						
OPEN HOLE			7 3/8	SL	2251	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-5-95</u>	DATE <u>2-5-95</u>	DATE <u>2-5-95</u>	DATE <u>2-5-95</u>
TIME <u>07:00</u>	TIME <u>11:00</u>	TIME <u>17:10</u>	TIME <u>22:45</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>50 II</u>	<u>5 1/2</u>	<u>HES</u>
FLOAT SHOE	<u>1</u>	
GUIDE SHOE <u>6 1/2</u>	<u>1</u>	
CENTRALIZERS <u>500</u>	<u>10</u>	
BOTTOM PLUG	<u>1</u>	
TOP PLUG <u>DJ Tool</u>	<u>1</u>	
HEAD <u>Free Fall</u>	<u>1</u>	
PACER <u>Weld A</u>	<u>1</u>	
OTHER <u>LD Ball & Pkg</u>	<u>1</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

CONFIDENTIAL

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T Bohannon</u>	<u>40076 P.J.</u>	<u>Liberal Ks</u>
<u>K Boone</u>	<u>52823 P.</u>	<u>"</u>
<u>J. Widener</u>	<u>75374 P.</u>	<u>"</u>
<u>T Frost</u>	<u>43525</u>	<u>Hugoton Ks</u>
	<u>4461</u>	<u>"</u>
	<u>4734</u>	<u>"</u>

RELEASED**JUN 14 1996****ORIGINAL****FROM CONFIDENTIAL**

DEPARTMENT 5001
 DESCRIPTION OF JOB 035 5 1/2 O.V.
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN
 CUSTOMER REPRESENTATIVE X [Signature]
 HALLIBURTON OPERATOR Tim Bohannon COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK	MIXED LBS./GAL.
<u>1</u>	<u>100</u>	<u>Midcon 2</u>		<u>B</u>		<u>3.22</u>	<u>11.1</u>
<u>2</u>	<u>200</u>	<u>5950 P2</u>	<u>P2</u>	<u>u</u>	<u>2% CaCl2, 1/4" Plocals, 0.6% Hvald-322</u>	<u>1.36</u>	<u>13.7</u>
<u>3</u>	<u>200</u>	<u>Midcon 2</u>				<u>3.22</u>	<u>11.1</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 46 REASON Shut JT

SUMMARY

VOLUMES
 PRESLUSH: 420 gal TYPE modflogh
 LOAD & BKDN: BBL-GAL PAD: BBL-GAL
 TREATMENT: BBL-GAL DISPL: BBL-GAL 67.7
 CEMENT SLURRY: BBL-GAL 52.3 + 53.4 + 114.6
 TOTAL VOLUME: BBL-GAL

REMARKS

1st Cir 25 to 30 BBLs cmt To Surface
2nd 35 bbls cmt To Surface

CUSTOMER JXY USA Inc
 LEASE 11100 RAY D
 WELL NO 2
 JOB TYPE 035 W
 DATE 2-5-95



JOB LOG HAL-2013-C

DATE 2-5-95 PAGE NO. 1

CUSTOMER **Oxy USA, Inc.** WELL NO. ***2** LEASE **Murray "B"** JOB TYPE **035 DV.** TICKET NO. **706039**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	07:00							Call out
	11:00							ONhoe Rig in Hole Lay Down P.P.
	14:30							rig-up Casers run 5k
	16:20							Hook-up in Hole w Rig Pump
	17:10		3					CMT Rat & Mouse hole
	17:27	6					200	Mud Plush
		"					"	100 sk Midcon 2 at 11.1 gal
		"	57.3				"	
	17:40	"					"	220 sk 50/50 P2" C 13.7 gal
		"	53.4				"	
		—					—	Stop Wash Pump & line To Pit
		—					—	Drop Latch Down Plug
	17:53	6					100	Displ w H ₂ O
		"	40				100	H ₂ O
		2						Displ w. DRK Mud
	18:09	"	28				600	Total 67.9 gal Plug Down
							0	release Psi. Back Plug Holding
	18:10							Drop open/Bomb
	18:15						700	D.V. Tool open in 4 hrs w Rig
							200	
	22:15	6					150	Stage 2
		"	114.9				150	200 sk Midcon 2
		—					—	Stop Wash up To Pit
		—					—	Drop Closing Plug
		6					120	Displ w Fresh H ₂ O
	22:45	2	32				300	DI Tool Closed 1400 Psi Stop 1500
								Cap Leak on Head
								recheck Psi. OK
								Job Completed
								RECEIVED KANSAS CORPORATION COMMISSION
								JUN 01 1995
								CONSERVATION DIVISION WICHITA, KS
								Thank You Tim & Crew

CONFIDENTIAL

JUN 01 1995

CONSERVATION DIVISION WICHITA, KS

Thank You Tim & Crew