

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 SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

2/1/95 2/4/95 5/19/95
Spud Date Date Reached TD Completion Date

API NO. 15- 093-21418-0000 ORIGINAL

County Kearny

C E/2 SW Sec. 33 Twp. 24S Rge. 36 X W

1320 Feet from S/X (circle one) Line of Section

3560 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 Hedge A Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3000 KB 3009

Total Depth 2817 PBDT 2748

Amount of Surface Pipe Set and Cemented at 602 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from surface

feet depth to 602 w/ 270 sx cmt.

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

Chloride content 8600 ppm Fluid volume 2000 bbls

Dewatering method used Evaporation

Location of fluid storage RELEASED if hauled off-site RECEIVED
KANSAS CORPORATION COMMISSION

Operator Name JUN 1 4 1996

Lease Name MAY 3 1 1995 License No. _____

FROM CONFIDENTIAL CONSERVATION DIVISION E/W

County _____ Docket No. WICHITA, KS

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 5/30/95

Subscribed and sworn to before me this 30th day of May, 19 95.

Notary Public Kay Ann Kilmer

Date Commission Expires 5-2-98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

CONFIDENTIAL

SIDE TWO

Operator Name MOXY USA Inc. Lease Name Hedge A Well # 3

Sec. 33 Twp. 24S Rge. 36 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	2320	689
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herington	2350	659
List All E.Logs Run: Dual Spaced Neutron		Krider	2369	640
		Winfield	2404	605
		Towanda	2465	544
		Ft Riley	2506	503
		Matfield	2556	453
		Wreford	2600	409
		Council Grove	2652	357

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
Surface	12 1/4"	8 5/8"	24	602	Midcon Lite C	265 270	2%cc
Production	7 3/4"	5 1/2"	14	2794		485	2%cc
					Midcon 2 50/50 Pozmix		

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth	Type of Cement	#Sacks Used	Type and Percent Additives	
	Top Bottom				
<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	2320-24, 2350-54, 2369-73, 2404-08, 2470-72,	Acidize w/ 2000 gal 7.5 % HCL	
	2520-22.	Frac w/56,240 gal gel wtr.,		
		250,000 # 10/20 mesh sand		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 5/5/95	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas 400 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: METHOD OF COMPLETION Production Interval 2320-2522

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

Open Hole Perf. Dually Comp. Commingled

Other (Specify) _____



HALLIBURTON ENERGY SERVICES

ADDRESS

Oxy us A

CITY, STATE, ZIP CODE

CONFIDENTIAL

15-093-21418-0000

TICKET

No.

706229 - 7

PAGE 1 OF 7

FORM 1906 R-13

1. Liberal 25340	WELL/PROJECT NO. 3	LEASE Hedge	COUNTY/PARISH Kearny	STATE Ks	CITY/OFFSHORE LOCATION	DATE 2-1-95	OWNER same
2. Hugoton 25335	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR Cheyenne	RIG NAME/NO. 1	SHIPPED VIA	DELIVERED TO Location	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	D2	D1	D10	1509-32418 0000	33-245-36W		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	62	mi			2.75	170.50
001-016					Pump Charge	602	ft				890.00
030-018					5Wiper Plug	1	EQ	8 5/8	IN		130.00
5.97	825-1269			32	Aluminum Baffle Plate	1	EQ	"	"		45.00
3.20	806-71460			32	Cement Basket	1	EQ	"	"		108.00
40	806-61048			32	Controlizers	3	EQ	"	"	65	195.00
3.50	890-10802			32	Weld A	1	Lb				14.50

ORIGINAL

RELEASED

JUN 14 1996

CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 31 1995

CONSERVATION DIVISION
WICHITA, KS

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

X **Jack Pappas**

DATE SIGNED **2-1-95**

TIME SIGNED **2:30**

A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS:

OPEN PULLED & RETURN PULLED RUN

TYPE LOCK DEPTH

BEAN SIZE SPACERS

TYPE OF EQUALIZING SUB. CASING PRESSURE

TUBING SIZE TUBING PRESSURE WELL DEPTH

TREE CONNECTION TYPE VALVE

SURVEY

AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL **1553 00**

FROM CONTINUATION PAGE(S) **4408 43**

5961 43

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE **3577 89**

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)

Jack Pappas

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)

X **Jack Pappas**

HALLIBURTON OPERATOR/ENGINEER

Orville Nicholas

EMP #

41525

HALLIBURTON APPROVAL

Skardon

40.5% *



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

12 M.G.

15.093-21418-0000

TICKET No. 706229

CUSTOMER OXY USA INC.	WELL HEDEC #3	DATE 02-01-95	PAGE OF
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-050	516.00265				PREMIUM PLUS CEMENT	150	SK			11.19	1678.50
504-200					MIDCON 3	115	SK			15.54	1787.10
CONFIDENTIAL											
509-406	890.50812				CALCIUM CHLORIDE 2 3/4 W/ 150	3	SK			36.75	110.25
507-210	890.50071				FLOCELE 1/2 #W/150	38	LB			1.65	62.70
<p>RELEASED JUN 14 1996</p> <p>FROM CONFIDENTIAL</p> <p>RECEIVED KANSAS CORPORATION COMMISSION MAY 31 1995</p> <p>CONSERVATION DIVISION WICHITA, KS</p>											
500-207					SERVICE CHARGE						
500-306					MILEAGE CHARGE						
					TOTAL WEIGHT 25,880			LOADED MILES 31			
								CUBIC FEET 288		1.35	388.80
								TON MILES 401.14		.95	381.08

No. B 218501

CONTINUATION TOTAL

4408.43



JOB SUMMARY

HALLIBURTON DIVISION mid con
 HALLIBURTON LOCATION Liberal KS

15.093-21418-0000

BILLED ON TICKET NO. 206229

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY Kearney 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	N	24	8 7/8	KB	606	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLED OUT		ON LOCATION		JOB STARTED		JOB COMPLETED	
DATE	<u>2-1-95</u>	DATE	<u>2-1-95</u>	DATE	<u>2-2-95</u>	DATE	<u>2-2-95</u>
TIME	<u>1730</u>	TIME	<u>2030</u>	TIME	<u>0120</u>	TIME	<u>0200</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Weld A</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>Baffle Plate</u>	<u>1</u>	<u>D</u>
GUIDE SHOE		<u>W</u>
CENTRALIZERS <u>54</u>	<u>3</u>	<u>C</u>
BOTTOM PLUG		<u>D</u>
TOP PLUG <u>5W</u>	<u>1</u>	
HEAD <u>PC</u>	<u>1</u>	
PACKER		
OTHER <u>Basket</u>	<u>1</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>O Nicholas</u>	<u>40078</u>	<u>Liberal</u>
<u>H Teddon</u>	<u>4903</u>	<u>ll</u>
<u>D McIntyre</u>	<u>52920</u>	<u>Hugoton</u>
	<u>41525</u>	
	<u>56623</u>	
	<u>7131</u>	
	<u>5303</u>	

RELEASED

JUN 14 1996

CONFIDENTIAL

FROM CONFIDENTIAL

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. _____
 GELLING AGENT TYPE _____ GAL.-LB. _____
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____
 BREAKER TYPE _____ GAL.-LB. _____ IN _____
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

RECEIVED
 KANSAS CORPORATION COMMISSION
 MAY 31 1995

CONSERVATION DIVISION
 WICHITA, KS

DEPARTMENT Cement
 DESCRIPTION OF JOB 8 7/8 Surface

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

CUSTOMER REPRESENTATIVE X Jack Pappas

HALLIBURTON OPERATOR Oull Nicholas COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>115</u>	<u>midcon 3</u>		<u>B</u>	<u>3% CC 2% Eoz 2% Econlite</u>	<u>3.22</u>	<u>1.81</u>
	<u>150</u>	<u>Prem Plus</u>		<u>B</u>	<u>2% CC 1 1/4% Flocone</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 35.8
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 65.9 - 35.2
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS Close in head
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 41.75 REASON Baffle Plate

CUSTOMER OxyUSA
 LEASE Hedge
 WELL NO. 3
 JOB TYPE 8 7/8 Surface
 DATE 2-1-95



JOB LOG HAL-2013-C

CUSTOMER OXY USA WELL NO. 3 LEASE Hedge A JOB TYPE 8 5/8 surface TICKET NO. 706229

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries like 'Called out on location', 'Drilling start pipe', and 'Close in head'.

CONFIDENTIAL

ORIGINAL

RELEASED

JUN 1 1996

FROM CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

MAY 31 1995

CONSERVATION DIVISION WICHITA, KS



CHARGE ID: **Oxy USA INC**
 ADDRESS:
 CITY, STATE, ZIP CODE:

15-093-21418-0000

TICKET No. 705824 - 9

FORM 1906 R-13

SERVICE LOCATIONS 1. LIBERAL KS 025540	WELL/PROJECT NO. 3	LEASE HEDGE A	COUNTY/PARISH KEARNY	STATE KS	CITY/OFFSHORE LOCATION Location	DATE 2-3-95	OWNER SAME
2. HUGOTON KS 025535	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR CHEYENNE DRG.	RIG NAME/NO. CHEYENNE 1^H	SHIPPED VIA	DELIVERED TO Location	ORDER NO.
3.	<input type="checkbox"/> SALES		WELL CATEGORY 02	JOB PURPOSE 035	WELL PERMIT NO. 15093214/80000	WELL LOCATION 33-245 -36W	
4.	REFERRAL LOCATION						
INVOICE INSTRUCTIONS							

RECEIVED
 MAY 14 1995
 CONFIDENTIAL

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC ACCT OF	DESCRIPTION	QTY	U/M	UNIT PRICE	AMOUNT
000-117		1	MILEAGE	62 mi	/UNIT	2.75	170.50
001-016		1	PUMP CHARGE	2817.74	6 HR		1455.00
030-016		1	TOP PLUG SW	5 1/2 IN	1 EA		60.00
12A	825.205	1	REGULAR GUIDE SHOE	" "	" "		121.00
24A	815.19251	1	INSERT	" "	" "		110.00
27	815.19311	1	FILLUP	" "	" "		55.00
40	806.61022	1	CENTRALIZER	" "	10 EA	40.00	400.00
320	806.71430	1	CEMENT BASKET	" "	1 EA		90.00
350	890.10802	1	HOWCO WELD "A"	1 LB	" "		14.50
314.163		1	CHA FIX II	PER GAL	3 GAL	28.00	84.00
218.517		1	SSD - 21	PER GAL	3 GAL	27.50	82.50
313.396		1	BE - 6	PER LB	1 LB		70.00

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: **X**

DATE SIGNED: **2-4-95** TIME SIGNED: **0900** A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

RECEIVED
 KANSAS CORPORATION COMMISSION
 MAY 3 1995
 CONSERVATION DIVISION
 WICHITA, KS

TYPE LOCK	DEPTH	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	2712
BEAN SIZE	SPACER	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S)	8481
TYPE OF EQUALIZING SUB.	CASING PRESSURE	WE UNDERSTOOD AND MET YOUR NEEDS?					11193
TUBING SIZE	TUBING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
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		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	61727.50
		<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): **JACK PEDDER** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *[Signature]* HALLIBURTON OPERATOR/ENGINEER EMP # **04604** HALLIBURTON APPROVAL: *[Signature]* 40.5%



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

15-093-214 18-0000

TICKET No. 705824

DC 30

FORM 1911 R-10

CUSTOMER Oxy	WELL Hedge	DATE 2-3-95	PAGE OF 2 12
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL		DATE	UNIT PRICE	AMOUNT			
		LOC	ACCT	DF		QTY.	U/M				QTY.	U/M	
504-131		2			50/50 Poz Premium Plus Cement	220	sk						
504-050	516.00265	2			Premium Plus Cement	110 x22	sk		11.219	1230.90			
505-105	516.5005 516.00286	2			Pozmix A	8140	LB		.074	602.36			
506-121	516.00259	2			Gel	4	sk			n/c			
504-200					Midcon	265	sk		15.11	4004.15			
507-210	890.50071	2			Flocele 1/2#w/220	55	LB		1.65	90.75			
509-406	890.50812	2			Calcium Chloide	4	sk		36.75	147.90			
507-775	516.00144	2			Halad-322	111	LB		7.00	777.00			
018-315		1			mud flush	PER GAL	420 GAL		.65	273.00			
500-207		2			SERVICE CHARGE	CUBIC FEET	523		1.35	706.05			
500-306		2			MILEAGE CHARGE	TOTAL WEIGHT	45,616	LOADED MILES	30	TON MILES	684.30	95	650.09

ORIGINAL

CONFIDENTIAL

RELEASED JUN 14 1996 FROM CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION MAY 17 1996 CONSERVATION DIVISION WICHITA, KS

No. B 218518

CONTINUATION TOTAL 58481.30



JOB SUMMARY

HALLIBURTON DIVISION MID CONTINENT AREA 15-093-21418-0000
 HALLIBURTON LOCATION LIBERAL KS. BILLED ON TICKET NO. 705824

WELL DATA
 FIELD _____ SEC 33 TWP 24S RNG 36W COUNTY KEARNY 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	MAXIMUM PSI ALLOWABLE
CASING	N	17.0	5 1/2	KB	2795
LINER	CS6 U	24	8 5/8	GL	602
TUBING					
OPEN HOLE			7 7/8	602	2817
PERFORATIONS					SHOTS/FT.
PERFORATIONS					
PERFORATIONS					

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSERT</u>	1	N
SHORT SHOE <u>FILLUP</u>	1	
GUIDE SHOE <u>REGULAR</u>	1	O
CENTRALIZERS <u>S-4</u>	10	
BOTTOM PLUG		W
TOP PLUG <u>5W</u>	1	
HEAD <u>HOWCO WELD 1 1/2"</u>	1	C
WASHER <u>CEMENT BASKET</u>	1	O
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-3-95</u>	DATE <u>2-3-95</u>	DATE <u>2-4-95</u>	DATE <u>2-4-95</u>
TIME <u>1930</u>	TIME <u>2230</u>	TIME <u>0700</u>	TIME <u>0830</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T. BROADFOOT	38242	LIBERAL KS.
R. CRIST	52947	"
C. CORNELSON	52827	HUGOTON KS.
J. BOONS	50737	"

MATERIALS

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

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT 5 1/2 LONG STRING.
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X Jack Pepper
 HALLIBURTON OPERATOR Jim Broadfoot COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	265	MIACON 2		B		3.22	11.1
1	220	50 Poz Prem Plus		B	2.70 C.C. - 1/4% SX Flocele - 0.16% HUAN 322	1.36	13.7

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 ORDERED _____ AVAILABLE _____ USED _____
 TREATING _____ DISPL. _____ OVERALL _____
 FEET 46 CEMENT LEFT IN PIPE _____
 REASON SHOE IT

SUMMARY

VOLUMES
 PRES LUSH/BBL GAL. 10 mud 7 LUSH
 LOAD & BKDN: BBL-GAL. _____
 TREATING: BBL-GAL. 3.3 DISPL: BBL-GAL. 18-25.6
 CEMENT SLURRY: BBL-GAL. 152-2.3
 TOTAL VOLUME: 30L-GAL. _____

REMARKS
M.H. - R.H Cemented
MS DS GIVEN TO PUSHER
35 BBL CEMENT P.T. - 61 SKS ✓

CUSTOMER OXG USA INC.
 LEASE VENGE A
 WELL NO. 3
 JOB TYPE 5 1/2 LONG STRING
 DATE 2-3-95



JOB LOG HAL-2013-C

CUSTOMER Oxy USA INC. WELL NO. 3 LEASE HEDGE A JOB TYPE 5 1/2 LONG STRING

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1930							CALLED OUT - READY 2300
	2230							ON LOCT. STILL DRUG.
	0115							START L.O.D.P.
	0325							START RUNNING CSG.
	0515							CSG ON BOTTOM LAYING
	0							DOWN R.H. & M.H.
0645-0645								ORIGINAL Hook up to PUMP WITH RIG
	0700							CIRCULATION TO PIT - SAFETY MEETING
	0714	2	10			250		PUMPED MUD FLUSH SPACER
	0718							SHUT VALVE CHANGED TO CMT
								M.H. & R.H. - MIXED CMT 11.1 #/GAL
	0719	3	3.5			80		CEMENTED R.H. -
	0720	-	-					SHUT DOWN MOVE TO M.H.
	0721	2	2.5					CEMENTED M.H.
	0722							SHUT DOWN MOVE TO DOWN ABL
	0730	7	146				290	START LEAD CMT 11.1 #/GAL
	0751	6	53					START TAIL CMT 13.7 #/GAL
	0800	0	0				290	SHUT DOWN WASH LINES - DROP PLUG
	0804	5.7	57				150	START DISPLACEMENT TREATED WATER
	0814	2	67				150/250	SLOW RATE DOWN - 67.07 TOTAL GAL
	0819	0	0					PLUG LANDED - FLOAT HELD

FROM CONFIDENTIAL
 CONFIDENTIAL
 35 BBL CMT - PIT 6/5K'S,
 THANK FOR CALLING
 HALLIBURTON ENERGY SERVICES
 LIBERAL KS.
 HAVE A GOOD DAY

RECEIVED
 KANSAS CORPORATION COMMISSION

MAY 31 1995

CONSERVATION DIVISION
 WICHITA, KS

BROADFOOT - CRIST - CORNELSON - BOONE