

ORIGINAL

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

API NO. 15- 093-21417-0000

County Kearny
SE - NW - NW Sec. 32 Twp. 24S Rge. 36 X W

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

X New Well Re-Entry Workover

Oil SWD SIOW
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 PBTB
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

2/4/95 2/7/95 5/19/95
Spud Date Date Reached TD Completion Date

4030 Feet from S/X (circle one) Line of Section
4030 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 B Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3081 KB 3090

Total Depth 2807 PBTB

Amount of Surface Pipe Set and Cemented at 622 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

Alternate II completion, cement circulated from surface
2807
feet depth to surface w/ 465 365 sx cmt.

Drilling Fluid Management Plan
(Data to be collected from the Reserve Pit) ACT II 5-17-95
DRW

Chloride Content 36,000 ppm Fluid volume 1275 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:
RELEASED

Operator Name

Lease Name License No.

Quarter Sec. Twp. Rge. S. E. W.

County Docket No.

FROM CONFIDENTIAL

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.

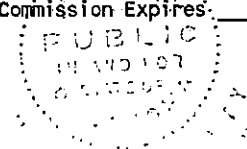
Signature [Signature]

Title Staff Analyst Date 5/31/95

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

Notary Public: [Signature]

Date Commission Expires: 7-14-95



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC S/D/Rep NGPA
KGS Plug Other (Specify)

Form ACO-1 (7-91)

SIDE TWO

CONFIDENTIAL

Operator Name LOXY USA, Inc. Lease Name Hedge B Well # 3
 Sec. 32 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	2366	724
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herington	2395	695
List All E.Logs Run: Dual Spaced Neutron		Krider	2416	674
		Winfield	2450	640
		Towanda	2511	579
		Ft Riley	2560	530
		Matfield	2599	491
		Wreford	2642	448
		Council Grove	2694	396

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	622	Midcon	265 ✓	2%cc
Production	7 3/4"	5 1/2"	14	2807	Midcon 222 50/50 Poz	485 ✓	2%cc

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				
<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	2366-70, 2395-99, 2416-20, 2450-54, 2511-13,	Acidize w/ 2000 gal 7.5% HCL	
	2574-76.	Frac w/ 54515 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
Date of First, Resumed Production, SWD or Inj. 5/2/95		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas 200 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval 2366-2576
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

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

TICKET No. 705789 -
 PAGE 1 OF 2

1. <u>Liberal 025540</u>	WELL/PROJECT NO. <u>3</u>	LEASE <u>Hedge B</u>	COUNTY/PARISH <u>Kearny</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>2-7-95</u>	OWNER <u>Oxy USA</u>
2. <u>Hugoton 025535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Cheyenne</u>	RIG NAME/NO. <u>1</u>	SHIPPED VIA <u>Co Trk</u>	DELIVERED TO <u>Loc.</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4. <u>02</u>	<u>01</u>	<u>035</u>		<u>1509 3214120000</u>			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT.	DF							
000-117		1			MILEAGE	64	m	1		2.75	176.00
001-016		1			Pump charge	2811	ft				1455.00
030-016		1			Top Rubber Plug	1	EA	5/2			60.00
018-315		1			mud Flush	420	BA			65	273.00
313-396		1			BE-6	1	lb				70.00
314-163		1			Clay-Fix II	3	BA			28.00	84.00
218-519		1			SSO-21	3	BA			27.50	82.50
12A	825. 19205	1		32	Guide Shoe	1	EA	5/2			121.00
24A	815. 19251	1		32	Insert Ht. valve	1	EA	5/2			110.00
27	815. 19311	1		32	Auto Fillup Assy	1	EA	5/2			55.00
40	806. 61022	1		32	Centralizers	10	EA	5/2		40.00	400.00
390	806. 71430	1		32	concrete Basket	1	EA	5/2			90.00

CONFIDENTIAL ORIGINAL

RECEIVED JUN 01 1995 KANSAS CORPORATION COMMISSION 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 [Signature]

DATE SIGNED: _____ TIME SIGNED: _____

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	2976.50
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?						
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	11242.92
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"/> 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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
X [Signature]	[Signature]	Keith Boase	47841	[Signature] 40.5%



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

42 M.G.

TICKET No. 705769

CUSTOMER OXY USA INC. WELL HEDEC 48" #3 DATE 02-07-95 PAGE 2 OF 2

FORM 1911 R-10

Table with columns: PRICE REFERENCE, SECONDARY REFERENCE/PART NUMBER, ACCOUNTING (LOC, ACCT, DF), DESCRIPTION, QTY., U/M, UNIT PRICE, AMOUNT. Includes rows for Midcon 2, Premium Plus Cement, Pozmix A, Halliburton Gel 2%, Flocele, Halad, Calcium Chloride, and SERVICE CHARGE.

CONFIDENTIAL

ORIGINAL

RECEIVED JUN 01 1995 KANSAS CORPORATION COMMISSION

CONSERVATION DIVISION MICHIGAN

RELEASED JUN 14 1996

FROM CONFIDENTIAL

No. B 218533

CONTINUATION TOTAL

8266.42



JOB SUMMARY

HALLIBURTON DIVISION MID CONTINENTAL
 HALLIBURTON LOCATION LIBERAL, KS

BILLED ON TICKET NO 706065

WELL DATA
 FIELD HUGOTON INFILL SEC 32 TWP. 24S RING. 36W 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 622

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24'	8 7/8	KB	627	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT
PERFORATIONS	CONFIDENTIAL					
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-4-95</u>	DATE <u>2-5-95</u>	DATE <u>2-5-95</u>	DATE <u>2-5-95</u>
TIME <u>2130</u>	TIME <u>0100</u>	TIME <u>0649</u>	TIME <u>0733</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-500</u>	<u>3</u>	<u>HOWCO</u>
BOTTOM PLUG	<u>1</u>	<u>"</u>
TOP PLUG <u>S-W</u>	<u>1</u>	<u>"</u>
HEAD <u>SPL</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER <u>BAFFLE PLATE</u>	<u>1</u>	<u>"</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. WOODROW 62573</u>	<u>40048 P/U</u>	<u>LIBERAL KS</u>
<u>T. DAVIS F4550</u>	<u>52276 100 RCM / 76900</u>	<u>" "</u>
<u>C. CORNELSON 02569</u>	<u>52827 BUNK / 6610</u>	<u>HUGOTON KS</u>

ORIGINAL

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 _____ GAL. _____
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____
 GELLING AGENT TYPE _____ GAL.-LB. _____
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____
 BREAKER TYPE _____ GAL.-LB. _____
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFFAC BALLS TYPE _____
 OTHER _____
 OTHER _____

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT 8 7/8 SURFACE CASING
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X Jack Pepper
 HALLIBURTON OPERATOR Joyce Davy 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>Howco</u>	<u>B</u>	<u>RELEASED</u>	<u>3.22</u>	<u>11.1</u>
	<u>150</u>	<u>premium r</u>	<u>"</u>	<u>B</u>	<u>28 CC 1/4 Flocelf</u>	<u>1.32</u>	<u>14.8</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 40 REASON BAFFLE PLATE

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL. (BBL) GAL. 37.3
 CEMENT SLURRY (BBL) GAL. 6.9 CC
 TOTAL VOLUME: BBL.-GAL. 35.5 TC
 REMARKS 102.4
LEFT MSDS SHEETS IN DOG HOUSE

CUSTOMER Oxy U.S.A.
 LEASE HEDGE B.
 WELL NO 3
 JOB TYPE 8 7/8 SURFACE
 DATE 2-4-95



JOB LOG HAL-2013-C

CUSTOMER OXY USA	WELL NO. 3	LEASE Hedge B	JOB TYPE 8 5/8 surface CSR.	TICKET NO. 706065
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2130							called out for job ready now
	0100							on location Rig Drilling
								set up pump truck.
	0245							Rig standing back drill pipe.
								start running CSR. & 8 5/8 F.E.
	0550							casing on bottom
	0630							hook up 8 5/8 P.C. & circulating iron.
	0635							start circulating with Rig pump.
	0645							hook up iron to P.T.
	0646							hold safety meeting.
	0649	6.5	66.9			✓	150	start mixing L.C. 11.1 #1991
	0701	6.5	35.5			✓	150	start mixing T.C. 14.8 #1991
	0708							through mixing shut down drop plug.
	0712	6.0	37.3			✓		start displacement
	0718							have 22 BBIs gone cement returns to surface.
	0724	2.0					250	land plug & leave shut in.
	0733							job over
								bbis to pit 15 26 sacks.
								ORIGINAL
								Thanks. woody & crew
								RELEASED
								JUN 14 1996
								FROM CONFIDENTIAL



CHARGE TO:
 OXY U.S.A. INC.
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 No. 706065 - []
 PAGE 1 OF 2

FORM 1908 R-13

SERVICE LOCATIONS 1. 025540 Liberal	WELL/PROJECT NO. 3	LEASE Hedge B	COUNTY/PARISH Leary	STATE KS.	CITY/OFFSHORE LOCATION Lakin	DATE 2-5-95	OWNER OXY USA.
2. 025535 Hugoton	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Cheyenne	RIG NAME NO. Cheyenne #1	SHIPPED VIA HOL	DELIVERED TO LOCATION	ORDER NO.
3.	WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO. 15093214170000	WELL LOCATION L9nd		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
000-117		1			MILEAGE	64	mi	2	75	352.00
001-016		1			Pump charge	622	ft	6	hr	890.00
030-018		1			5W TOP PLUG	1	Eq	8 5/8	in	130.00
40	806.61048	1		32	centralizer	3	Eq	8 5/8	in	65.00
320	806.71460	1		32	canvas basket	1	Eq	8 5/8	in	108.00
597	825.1269	1		32	Alum. Baffle	1	Eq	8 5/8	in	45.00
350	890.10802	1		32	Weld A	1	Eq	1	lb	14.50

ORIGINAL
 CONFIDENTIAL
 RECEIVED
 KANSAS CORPORATION COMMISSION
 JUN 01 1995
 CONSERVATION DIVISION
 WICHITA, KS

RELEASED
 JUN 14 1995
 FROM 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 X	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 1734 50 FROM CONTINUATION PAGE(S) 4433 92 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 6168 42
	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?		
DATE SIGNED 2-4-95	TIME SIGNED 2200	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TUBING SIZE	TUBING PRESSURE	WELL DEPTH
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		TREE CONNECTION	TYPE VALVE		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO
<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 PEPPER	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X Jack Pepper	HALLIBURTON OPERATOR/ENGINEER Dyce Davis	EMP # F4550	HALLIBURTON APPROVAL K. Leary 40.5%
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TICKET CONTINUATION

ORIGINAL

DC 34

TICKET No. 706065

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Oxy USA WELL Hedge DATE 2-4-95 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M		
504-050	516.00265				premium Plus Cement	150	sk	11 19	1678 50
504-200					MidCon	115	sk	15 54	1787 10
507-210	890.50071				Flocàle	38	LB SK	1 65	62 70
509-406	890.50812				Calcium Chloride	3	sk	36 75	110 25
500-207					SERVICE CHARGE				
500-306					MILEAGE CHARGE				
					TOTAL WEIGHT	25,866			
					LOADED MILES	32			
					CUBIC FEET	298		1 35	402 30
					TON MILES	413.76		95	393 07

ORIGINAL

CONFIDENTIAL

RELEASED

JUN 14 1996

FROM CONFIDENTIAL

No. B 218525

CONTINUATION TOTAL 4433.92



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATIONMid-Continent
LiberalBILLED ON TICKET NO. 705769

WELL DATA

FIELD _____ SEC 32 TWP. 24S RING. 36W COUNTY KEOPUK STATE KANSASFORMATION 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	<u>u</u>	<u>15.5</u>	<u>5 1/2</u>	<u>0</u>	<u>2811</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-7-95</u>	DATE <u>2-7-95</u>	DATE <u>2-7-95</u>	DATE <u>2-7-95</u>
TIME <u>01:40</u>	TIME <u>05:30</u>	TIME <u>11:00</u>	TIME <u>12:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>Rg 5 1/2</u>	<u>1</u>	<u>Hallib</u>
CENTRALIZERS <u>S-Y 5 1/2</u>	<u>10</u>	
BOTTOM PLUG		
TOP PLUG <u>SW 5 1/2</u>	<u>1</u>	
HEAD		
PACKER <u>Basket 5 1/2</u>	<u>1</u>	
OTHER <u>Insert Flt. 5 1/2</u>	<u>1</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>K. Boone 47811</u>	<u>40076</u>	<u>Liberal</u>
<u>N. Tate 20568</u>	<u>52803</u>	<u>"</u>
<u>D. Hamilton 63090</u>	<u>50866</u>	<u>Hugoton</u>
<u>P. Boone 69614</u>	<u>50137</u>	<u>"</u>
	<u>75505</u>	

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. _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

RELEASED
JUN 4 1996
FROM CONFIDENTIALDEPARTMENT cemat
DESCRIPTION OF JOB cemat 2811 10 5 1/2 casingJOB DONE THRU: TUBING CASING ANNULUS TBG./ANN. CUSTOMER REPRESENTATIVE X Jack PepperHALLIBURTON OPERATOR K. Boone COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>265</u>	<u>midcon 2</u>		<u>B</u>	CONFIDENTIAL	<u>3.22</u>	<u>11.1</u>
	<u>220</u>	<u>50/50 Poz P</u>		<u>B</u>	<u>2% CaO, 1/4% Flocc, 6% Halmid-322</u>	<u>1.36</u>	<u>13.7</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL. 10 TYPE mud flush
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD. BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL BBL. 67.5
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL. 157-53
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____ REMARKS
AVERAGE RATES IN BPM _____ S/R 3 Bbl cement to P.T ✓
TREATING _____ DISPL _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET _____ REASON Shoe Joint

ORIGINALCUSTOMER OHG USA
LEASE Hedge B
WELL NO. 3
JOB TYPE 5 1/2 2.5
DATE 2-7-95

JOB LOG HAL-2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Oxy USA	3	Hedge 6	5/8 L.S.	705769

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	01:40							called out
	05:30							on loc LDP Sattley Meeting
	11:00	3	3				200	plug Rat Hole & mouse hole
	11:15	6	10				200	Pump Mud Flush
	11:17	6	152				200	mix Lead cement
	11:41		53				200	mix Tail cement
	11:51							wash up to Pit
	11:52							Release plug
	11:54							Start Displacement
		1	20					20 bbl gun Run out of water Pump Rest with mud
	12:25	5	68				1200	plug down
	12:27							ck fit- ok
								see 3 bbl cement to pit ✓

ORIGINAL

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RELEASED

JUN 14 1996

FROM CONFIDENTIAL