PORT MUST SE TYPED

API NO. __15-129-21496-0000

STATE CORPORATION COMMISSION OF KANSAS.
OIL & GAS CONSERVATION DIVISION

	County MORTON
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	_ SW - NE - NW Sec. 1 Twp. 32S Rge. 40 X w
Operator: License #5447	4290 FSL Feet from SVN (circle one) Line of Section
Name:OXY USA Inc	3630 FEL Feet from E)W (circle one) Line of Section
Address P. O. Box 300	Footages Calculated from Nearest Outside Section Corner:
	NE, (SE) NW or SW (circle one)
7/402 0700	Lease Name Drew A Well # 5
City/State/Zip Tulsa, OK 74102-0300	Field Name East Kinsler
-urchaser:	Producing Formation Cherokee
Operator Contact Person:Raymond Hui	Elevation: Ground 3268 KB 3279
Phone (_918_)561 -3548	Total Depth 6000. PBTD 5978
Contractor: Name: Beredco Drilling Co.	Amount of Surface Pipe Set and Cemented at
License: 5147	
Wellsite Geologist: None Andy Howell	Multiple Stage Cementing Collar Used? X Yes No
Designate Type of Completion	If yes, show depth set DV Tool at 3029
X New Well Re-Entry Workover	If Alternate II completion, cement circulated from
Oil SUD SIOW Temp. Abd.	feet depth to w/ sx cmt.
X Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan AH-1 4-8-98 U. (Data must be collected from the Reserve Pit)
If Workover:	(Data must be collected from the Réserve Pit)
Operator:	Chloride content 2400 ppm Fluid volume 600 bbls
Weil Name:	Dewatering method usedEvaporation
	Denotes 119 Method esedEvaporation
	S.
Comp. Date Old Total Depth	Location of fluid disposal if hauled offsite:
Comp. Date Old Total Depth Deepening Re-perf. Conv. to Ini/SWD	Location of fluid disposal if hauled offsite:
Comp. Date Old Total Depth Deepening Re-perf. Conv. to Ini/SWD	Location of fluid disposal if hauled offsite:
Comp. Date Old Total Depth Deepening Re-perf Conv. to Inj/SWD Plug Back PBTD Commingled Docket No Dual Completion Docket No Other (SWD or Inj?) Docket No	Operator Name
Comp. Date Old Total Depth Deepening Re-perf. Conv. to Inj/SWD PBTD Plug Back PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 4-12-97 4-25-97 7-11-97	Derator Name Lease Name Quarter Sec. Location of fluid disposal if hauled offsite: 10-16-97 License No. E/W
Comp. Date Old Total Depth Deepening Re-perf Conv. to Inj/SWD Plug Back PBTD Commingled Docket No Dual Completion Docket No Other (SWD or Inj?) Docket No	Operator Name
Comp. Date Old Total Depth Deepening Re-perf. Conv. to Inj/SWD PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 4-12-97 4-25-97 7-11-97 Spud Date Date Reached TD Completion Date INSTRUCTIONS: An original and two copies of this form shall Derby Building, Wichita, Kansas 67202, within 120 days of Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the months). One copy of all wireline logs and geologist well	Derator Name Lease Name Quarter Sec. Location of fluid disposal if hauled offsite: 10-16-97 License No. E/W
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Deepening Re-perf Conv. to Inj/SWD Plug Back PBTD Plug Back PBTD PBTD PBTD PBTD PBTD PBTD PBTD PBTD	Decretor Name Lease Name Quarter Sec. Docket No. County Docket No. Lease two of this form will be held confidential for a period of the spud date, recompletion, workover or conversion of a well. Side two of this form will be held confidential for a period of the spud date. Sec. Side two of this form will be held confidential for a period of the form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS alls. Submit CP-111 form with all temporarily abandoned wells. Acted to regulate the oil and gas industry have been fully complied the best of my knowledge. K.C.C. OFFICE USE ONLY Letter of Confidentiality Attached
Comp. DateOld Total Depth	Decrator Name Lease Name Lease Name Quarter Sec. Docket No. County Docket No. License No. County Docket No. License No. E/W County Docket No. E/W County License No. E/W License No. L
Deepening Re-perf. Conv. to Inj/SWD PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. Other (SWD or Inj?) Docket No. 7-11-97 Spud Date Date Reached TD Completion Date INSTRUCTIONS: An original and two copies of this form shall Derby Building, Wichita, Kansas 67202, within 120 days of Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the months). One copy of all wireline logs and geologist well MUST BE ATTACHED. Submit CP-4 form with all plugged we with and the statements herein are complete and correct to the Signature Title Analyst Date 7. Subscribed and swarn to before me this 18th day of J.	Decretor Name Lease Name Lease Name Quarter Sec. Docket No. County Docket No. License No. County Docket No. License No. License No. E/W County Docket No. License No. License No. E/W County Docket No. E/W License No. E/W County Docket No. E/W County Docket No. E/W County License No. License No. License No. License No. License No.
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	-	CASING RECORD	X New D U	sed		 ,	<u>.</u>
	Report al	l strings set-conduc	tor, surface, i	ntermediate,	production, et	c.	
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Us ed	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24	1701	Class A	510 sx	2% cc
Production	7 7/8"	5 1/2"	14	5998	Class A	2nd Sta	ge: 365 sx ge: 345 sx
		DV Tool at 30	29				
•	ADDITIONAL C	EMENTING/SQUEEZE REC	ORD		<u> </u>		
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Percer	nt Additive	s
Protect Casing Plug Back TD					0		
Plug Off Zone				r -		<u> </u>	;
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Shots Per Foot		l RECORD - Bridge Plu ge of Each Interval I			Fracture, Shot, d Kind of Mater		Depth
4	Cherokee 5	014-20		Acidized	w/2000 gal		
				17% MCA			
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TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ _{Yes} 区	No	
Date of First, Resu Pump Testing	med Production 7-11-97	, SWD or Inj. Prod	ucing Method	Flowing DPL	mping Gas	Lift Dot	ther (Explain)
Estimated Production Per 24 Hours	on Oil	Bbls. Gas 360	Mcf Wate	er Bbls.	Gas-Oi	(Ratio H	Tag "Gravity
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Vented State (If vented, su	i Used on ubmit ACO-18.)		Hole 🔀 Perf	. Dualty	Comp. Comp.	S P. F. G. P.	NICO: 50
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15-129-21496

5, OXY USA INC MORTON, KS; FIELD: KINSLER, EAST; OBJ FORM: CWI 100; CNI 87.5; WSN 46120

OCT 1 6 1907

CONSERVATION DIVISION DSS 6; DOL 6; MD 4700; TVD 4700; DRLD(MD) 400; PR OPNS DRILLING; FORM: LIME & SHALE; MW 9; FV 48; LCM 3; PH 9.5; WL 8.8; CHL 1400; FC 2; SLD % 4.7; CASING 8.625 @ 1701 ACTIVITY SUMMARY: BIT #2, HTC GT-28, 2996' IN 85-1/2 HRS. DAILY COST \$ 4892; CUM COST \$ 55614;

04/19/97 JOB: D & E; CMIC: C. WYLIE DSS 7; DOL 7; MD 5070; TVD 4700; DRLD(MD) 370; PR OPNS: DRILLING; FORM: LIME & SHALE; MW 9; FV 40; LCM 4; PH 9; WL 8.8; CHL 2100; FC 1; SLD % 4.7; CASING 8.625 @ 1701 ACTIVITY SUMMARY: BIT #2, HTC GT-28, 3306' IN 108 HRS. DAILY COST \$ 4618; CUM COST \$ 60232;

04/20/97 JOB: D & E; CMIC: C. WYLIE DSS 8; DOL 8; MD 5445; TVD 4700; DRLD(MD) 375; PR OPNS: CIRC FOR DST #1 FORM: MORROW; MW 8.8; FV 43; LCM 4; PH 9; WL 8.8; CHL 1400; FC 2; SLD % 2.3; CASING 8.625 @ 1701 **ACTIVITY SUMMARY:** DRILLED TO 5445'. CIRC FOR SAMPLES 1-1/2 HRS. SHORT TRIPPED TO SURFACE CASING. CIRC FOR DST #1 1-1/2 HRS. BIT #2, HTC GT-28, 3741' IN 124-3/4 HRS. DAILY COST \$ 6688; CUM COST \$ 66920;

04/21/97 JOB: D & E; CMIC: C. WYLIE DSS 9; DOL 9; MD 5620; TVD 5620; DRLD(MD) 175; PR OPNS: DRILLING; FORM: MORROW; MW 8.9; FV 55; LCM 3; PH 9; WL 8; CHL 1200; FC 1; SLD % 4.2; CASING 8.625 @ 1701; DEV MD 5445; ANGLE .25 **ACTIVITY SUMMARY:** RANDST 1 FROM 5325-5445'. OPENED TOOL FOR 30 MIN PREFLOW WITH FAIR BLOW THAT BUILT TO BOB IN 8 MIN. CLOSED TOOL FOR INITIAL SI. OPENED TOOL 60 MIN FINAL FLOW WITH STRONG BLOW FROM BOB. CLOSED TOOL FOR 120 MIN FINAL SHUT IN. 1st FFP 128 PSIG. 1st IFP 136 PSIG. ISIP 970 PSIG. 2nd FFP 128 PSIG. FSIP 1178 PSIG. FHP 2nd IFP 128 PSIG. 2387 PSIG. RECOVERED 10' MUD & 445' GAS IN DRILL PIPE.

> BIT #3, SEC ERA-18C, 175' IN 7-3/4 HRS. DAILY COST \$ 10604; CUM COST \$ 77524;

04/22/97 JOB: D & E; CMIC: C. WYLIE DSS 10; DOL 10; MD 5940; TVD 5620; DRLD(MD) 320; PR OPNS: DRILLING; FORM: MORROW; MW 9; FV 50; LCM 4; PH 9; WL 8; CHL 1000; FC 2; SLD % 4.7 CASING 8.625 @ 1701 ACTIVITY SUMMARY: BIT #3' SECURITY ERA-18C, 495', 28-1/2'. DAILY COST \$ 4021; CUM COST \$ 81545;

04/23/97 JOB: D & E; CMIC: C. WYLIE DSS 11; DOL 11; MD 6000; TVD 6000; DRLD(MD) 60; MTD 6000; PR OPNS: RIH TO COND FOR DST #2; FORM: MORROW; MW 9; FV 58; LCM 4; PH 9; WL 8; CHL 1000; FC 1; SLD % 4.7; CASING 8.625 @ 1701; DEV MD 6000; ANGLE 1 ACTIVITY SUMMARY:

DREW A 5, OXY USA INC MORTON, KS; FIELD: KINSLER, EAST; OBJ FORM: CWI 100; CNI 87.5; WSN 46120

ORIGINAL

DRILLED 7-7/8" HOLE TO RTD OF 6000'. CIRC FOR SAMPLES 1 HR. SHORT TRIPPED TO 5000'. CIRC & COND HOLE FOR LOGS 3 HRS. STRAPPED OUT FOR LOGS; 5998'. MIRU WESTERN ATLAS. RIH WITH LOGGING TOOLS TO LOGGERS TD OF 5996'. RAN HIGH RESOLUTION DUAL INDUCTION LOG & COMPENSATED Z-DENSILOG WITH MICROLOG & GAMMA RAY FROM TD TO BASE OF SURFACE CASING. RDMO LOGGER. RECIEVED ORDERS TO RUN DST #2. RIH WITH DRILLING TOOLS STOPPING @ 2000' & 4000' TO BREAK CIRCULATION. DAILY COST \$ 16477; CUM COST \$ 98022;

04/24/97 JOB: D & E; CMIC: C. WYLIE
DSS 12; DOL 12; MD 6000; TVD 6000; MTD 6000; PR OPNS: LDDP; FORM:
MORROW; MW 9; FV 65; LCM 4; PH 9.5; WL 8; CHL 1000; FC 2; SLD % 4.8;
CASING 8.625 @ 1701
ACTIVITY SUMMARY:
C&C HOLE 2 HRS. POOH WITH DRILLING TOOLS. PU TEST TOOLS.
RIH WITH DSTERED OPENED TOOL FOR 30 MIN PREFLOW WITH STRONG
BLOW FROM BOB. HAD GAS TO SURFACE IN 18 MIN. SI FOR 60 MIN

BLOW FROM BOB. HAD GAS TO SURFACE IN 18 MIN. SI FOR 60 MIN OPENED TOOL WITH GAS AT SURFACE FOR 60 MIN INITIAL SI. FINAL FLOW. GAS RATE 58 MCFPD. SI FOR 120 MIN FINAL SHUT RELEASED PKR & POOH. RECOVERED 200' OF MUD IN DP. 2479 PSIG. 1st IFP 85 PSIG. 1st FFP 170 PSIG. **ISIP 1407** 2nd IFP 109 PSIG. 2nd FFP 282 PSIG. FSIP 1404 PSIG. PSIG. RECOVERED 200 CC MUD & 5.3 CU FT GAS IN FHP 2400 PSIG. SAMPLE CHAMBER. BOTTOM PKR DID NOT HOLD. TEST INTERVAL WAS 4990-6000'. RECEIVED ORDERS TO RUN 5-1/2' CASING. DRILLING TOOLS. C&C HOLE FOR 2 HRS. STARTED POOH & LDDP. DAILY COST \$ 5645; CUM COST \$ 103667;

04/25/97 JOB: D & E; CMIC: C. WYLIE

DSS 13; DOL 13; MD 6000; TVD 6000; DRLD(MD) 0; MTD 6000; PBTD(MD) 5978; PR OPNS: WOCT'S; FORM: MORROW; CASING 5.5 @ 5998 ACTIVITY SUMMARY:

FINISHED LAYING DOWN DRILLING TOOLS. RIH WITH 5-1/2" FLOAT SHOE (1.25'), 5-1/2" SHORT SHOE JNT (20.48'), INSERT BAFFLE PLATE, 8 JNTS 5-1/2" 15.5# K-55 LT&C 8rd CASING (335.75'), 62 JNTS 14# K-55 ST&C 8rd CASING (2612.80'), HES DV TOOL (3.00'), 72 JNTS 5-1/2" 14# K-55 ST&C 8RD CASING (3026.43'). TOTAL CASING TALLY 5999.71'. LANDED CASING @ 5998' WITH INSERT BAFFLE PLATE @ 5978' & DV TOOL @ 3029'. MIRU HES. CEMENTED 1st STAGE AS FOLLOWS: 1000 GALLONS MUD FLUSH. IN WITH 145 SXS MIDCON WITH 2% CC & 1/4 PPS FLOCEL MIXED @ 11.1 PPG & 3.22 CU FT/SX. TAILED IN WITH 220 SXS DENSIFIED MID CON MIXED CONTAINING 2% CC & 1/4 PPS FLOCEL @ 13.2 PPG & 1.84 CU FT/SX. DISPLACED CEMENT WITH 70 BW & 58 BM. PLUG LANDED 15 BB EARLY. CEMENTER THINKS HE MAY HAVE MISSED A TANK. FLOAT HELD. DROPPED BOMB & OPENED DV TOOL. CIRC OUT ABOUT 90 BBLS CEMENT & CEMENT CONTAMINATED MUD. CIRC & WOC 5 HRS. CEMENTED 2nd STAGE AS FOLLOWS: 1000 GALLONS MUD LED IN WITH 35 MIDCON WITH 2% CC &1/4#/SX FLOCEL MIXED @ 11.1 PPG & 3.22 CU FT/SX. TAILED IN WITH 310 SXS DENSIFIED MIDCON MIXED @ 13.2 PPG & 1.84 CU FT/SX. DISPLACED CEMENT WITH 74 BW. BUMPED PLUG & CLOSED DV TOOL. CIRC 25 SXS TO PIT. 2nd STAGE WAS DESIGNED TO BE PUMPED

CONSERVATION DIVISION
Wichita, Kansas

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A Section

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

- A. CUSTOMER REPRESENTATION Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.
- B. PRICE AND PAYMENT The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.
- C. RELEASE AND INDEMNITY CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT, CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT. IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

- D. EQUIPMENT LIABILITY Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will consitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials white in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.
- E. LIMITED WARRANTY Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Cusiomer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such in their return to Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services (grainshed by others. HALLIBURTON IS UNABLE TO GRANANTE THE EXPRESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, USB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY, HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or lauft. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.
- F. GOVERNING LAW The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

- G. WAIVER Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.
- H. MODIFICATIONS: Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President Legal, 5151 San Felipe, Houston, Texas 77056.



TICKET CONTINUATION

FIELD COPY

No. 18393 4

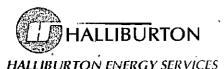
CONTINUATION TOTAL

	RTON ENERGY SERVICES				CUSTOMER	WELL			DATE	PAGE OF
FORM 1911 R-10 PRICE	SECONDARY REFERENCE/		ACCOUNTIN	NG	Cxy ISA Inc.	Drew A	_15		4-25-97 UNIT	<u> </u>
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507-210	890.50071				Flocele B/ W/ 810	178 203	_1b		1 90	338 20 35-70 656 60
509-406	890.50812	_		1 /	Calcium Ciloride B/ 2% W/ 810	14	sk	<u>i</u>	46 90	656 60 750 10
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	_	+	 '		SERVICE CHARGE	CUBIC FEE	ET .	e^ ;		1219 85
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<u>500-306</u>	<u> </u>	<u></u> '	<u> </u>	<u> </u>	CHARGE (3),559 70708 33		_ 1,33	<u>04</u>	1.18	1.570 (3° 1.570 3.93

H	ALLII	BURT		OB LC	OG 4239-5		TICKET#	TICKET DATE
REGION	th Ame	rica			VCOUNTRY		BDA / STATE	COUNTY
BU ID / EMP #				EMP	PLOYEE NAME	The Arthur A	PSL DEPARTMENT	
CATION	1.	11.1		COM	MPANY / Y		CUSTOMER REP / PHONE	11 1
CKET AMOUN	F 7 /	64.5	9-29-22	WFI	L TYPE		API/UWI#	11.6
		-			411		13167317706	Reconstruction
ELL LOCATION	14					7	JOB PURPOSE CODE	
EASE / WELL #	12	4		SEC	/TWP/RNG	323-461	U .	TUNIONIC
S EMP NAME/E	MP#/(EXP	OSURE HC	OURS) HRS HE	ES EMP NA	AME/EMP#/(EXPOSUF	E HOURS) HRS HES EMP NAM	E/EMP#/(EXPOSURE HOURS) HRS HES E	EMP NAME EMP#/(CXPOSURE HOURS)
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	4 n (3	Mart.						
				No. 2				
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	1358					4400 CITE 1	look tron to P	7 5999
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	4.50	5.0	83	V	350	Pump 1455x	8tmc at 11.1	
	1500	6.5	72	V	7.00	Pump 2705x	# + mc of 13.7	
	1515	0	72	V		Shull Down b	rop pluy.	
	1518	55	70	V	130	fume Dist.	m. + 4	
12.50	1539	3.5	75	1	800	sto rate.	UISP.	
3.75	1591	3.5	75	V	800190	The second secon		
	1543	0	75	U		Release Ps;	- Flog/ Held.	
	1597			V	1 0	prop Bomb.		
	1609	2.0	1	V	1000	open o.v. To	701	
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	2207	3.0	73.5	V	850	50 bbis 117 (Sto vol	
	2215	3.0	73.5	V	1000	pland Plut	Close Trial	
	2216	0	73.5	V	ZOOO	Relouse PS	D.V. TOOL Clos	AV.
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						300 92 661	CMI to PIT	
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HALLIBURT		B SUMMARY	4239-1			TICKET#	3934	/		1.97
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TICKET AMOUNT		WELL TYPE				API / UWI #	21/10	con		
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TYPE AND SIZE	QTY	MAKE		Třije.	NEW/USED	WEIGHT	SIZE	FROM	ТО	MAX ALLOW
Float Collar			Casing		W.	15,5514	5/2	13	5999	
Float Shoe In Sort 5 /2	1		Liner			- 0,-				
Guide Shoe			Liner					1. 195.2	100	
Centralizers 54 17	16		Tbg/D.F).						
Bottom Plug			Tbg/D.F).						
Top Plug S # /	1		Open H	ole			1 4 3			SHOTS/FT.
Head P.C.	/		Perfora	tions				3 2 3 4 5		
Packer D. V. TOO!	1		Perforat							
Other Basket "	2		Perforat							
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Prop. Type Size _ Acid Type Gal.	Lt).					-		0.0.70	
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Surfactant Gal. NE Agent Gal.				+						
Fluid Loss Gal/Lb	In	and the second second								
Gelling Agent Gal/Lb Fric. Red Gal/Lb	Ir									
Breaker Gal/Lb			TOTA	L		TOTAL				
Dieakei Gai/LL	Cal/Lb			7		HYDRAULIC	HORSEP	OWER		
Blocking Agent	Gal/LD		ORDER	RED		Avail.	DATED IN	DDM	Used	
Blocking Agent Perfpac Balls	Qty	Control Parket Symmetry	ONDER				RAIFSIN	BPM	Overall	
Blocking Agent Perfpac Balls Other	Qty		TREAT	ED	-	AVERAGE I	71120111			
Blocking Agent Perfpac Balls Other Other	Qty		TREAT		_	Disp. CEMENT L	EFT IN PI	PE LOO		
Blocking Agent Perfpac Balls Other	Qty		TREAT	20	DATA	Disp. CEMENT L Reaso	EFT IN PI	Shoe	Joint	
Blocking Agent Perfpac Balls Other Other Other	Qty		TREAT	20	DATA ADDITIV	Disp. CEMENT L Reaso	EFT IN PI	5h0e	Joint	D LBS/GAI
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HALLIBURTON HAL-1906-P	I ENERGY SE	ERVICES	CITY STATE	ZIP C	DDE					ATION DA				PAGE 1	2 OF 2	
SERVICE LOCATIONS 1 LIBERAL K		WELL/PROJECT NO	5	ASE DR	EW			AORTOU ENO	Ks			ATION	DA 4	13-97 .	SAME	
2. Husaton K	>	TICKET TYPE NITE SERVICE JOBS	NO L	BSC C	26 D CO	-		E/ÑO	SHIPPEL	Lac	T.			DER NO		
4. REFERRAL LOCATION		WELL TYPE O INVOICE INSTRUCTI		_Q	TEGORY	JOB P	OURPOSE	0		151292		00000		LAND		
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and agrees to	the terms	and condition	ons on the	TYP	E LOCK	ULLED &	DEPTH	PULLED RUN	OUR EQUIPMENT	PERFORME	-+	DECIDEL	AGREE	PAGE TOTAL	3227	15
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1 🗍 do 🗍 do 1	not require IPC (Instri		Not offered					·	☐ CUSTOME					ON INVOICE	8694	·)· •
CUSTOMER OR CUSTO		OMER ACCEPTA EASE PRINT) C			LS AND SERV R'S AGENT (SIGN/		The cust	HALLIBURT ON OP	ERATOR/ENGINEER		aterials a			on this ticket. URTON APPROVAL		t
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TICKET CONTINUATION

CATTER SEALOR

No. 184027

HALLIBUR	TON ENERGY SERVICES				CUSTOMER		WELL			DATE	PAGE OF	
FORM 1911 R-10				DI	1 OXY USA INC.		Drew .	A 5		4-13-97	22	
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	NG DF	DESCRIPTION		QTY.	U/M	QTY. U/M	UNIT PRICE	AMOUNT	
504-282				41	Mideon Premium Plus Cement		410	sks	i	17,06	6994,6	60
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No. B 389281

CONTINUATION TOTAL

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HALLIBURTON 101	D CUMMADY			TICKET #	027	_	TICKET DATE	3-97
REGION	B SUMMARY 42			BDA/STATE	<u> </u>		COUNTY	5-9-7
Morth America	I TOMIN CO	DUTIN EN	T	PSL DEPARTME	<u>5</u>			MORTON
LICIOI TO4604	EMPLOYEE NAME I'M BRO	7 <u>207440</u>		CUSTOMER REP	ENT			· •
LIBERAL KS	COMPANY US	A INC						
TICKET AMOUNT .	WELL TYPE O /			API/UWI#	2149	hoone	·-·-	
WELL LOCATION APRIL	DEPARTMENT ENT	JT		JOB PURPOSE C	O / C		HMI	71110
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T BROADFORT NYGET &	2 HUMPHIRIES							
R CRIST 737653		-			_			<u>i</u>
5 GRANT H4639 EN WHITE H9434								-
HES UNIT NUMBERS RVT MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT N	UMBERS	R/T MILES	HES UN	IT NUMBERS	A/T MILES
38242 122								
52947-75496 127 4037-75817 33		- - - -						-
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Form Thickness From Packer Type Set At	То		-13-97	4./3.	37 /	. , ;	′	5-7
Bottom Hole Temp Pressure Misc. Data Total Depth		TIME Q	450	175	<u>0 2</u>	1) I	J.	<u> </u>
TOOLS AND ACCESSORIES				WE	LL DATA			
TYPE AND SIZE 3 1/8 OTY	, MAKE		NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Float Collar TNSERT A		Liner	<u>μ</u>	24	83/8	KB	1701	
Guide Shoe REGULAR 1. O		Liner	 -	 	<u> </u>	· ·		
Centralizers S-4 4		Tbg/D.P.						
Bottom Plug (L)		Tbg/D.P.				/× O	·~ · /	
Top Plug 500 1 C		Open Hole Perforations	 _		12/4	KB	1704	SHOTS/FT.
Packar BASILET A		Perforations		-			 	
Other Limit CLAMD 1 0		Perforations						
MATERIALS Treat Fluid Density	L b/G01	HOURS ON L	HOURS	DATE	ING HOURS		DESCRIPTIO	N OF JOB
Disp. Fluid Density	Lb/Gal		-1100110		110011		 	
Prop. Type Size Lb. Prop. Type Lb.								
Acid Type Gal % Acid Type Gal %		-			 	→	<u>'</u>	/ _
Surfactant Gal In								
NE Agent Gal. In Fluid Loss Gal/Lb In							-	
Gelling Agent Gal/Lb In Fric. Red Gal/Lb In					<u> </u>		_ -	
Breaker Gal/Lb In Blocking Agent Gal/Lb		TOTAL		TOTAL	<u> </u>	<u></u> L		
Peripac Balls Oty		ORDERED		HYDRAULIC Avail.	HORSEPO'		Used	
Other		TREATED		AVERAGE F		PM	Overall	
Other			4/	Disp. CEMENT L Reaso	EFT IN PIPE	ihc	T-	
Other		CEMENT		<u>Heaso</u>	<u>n > </u>	MUC_	//-	———
STAGE SACKS CEMENT BULKIS		,,,	ADDITIV					D LBS/GAL
1 410 MINGH PLUS B	3% (, (.	- 12 1/SK	77LOCEL	<u> </u>		 	3.2	2 11:1
1 100 PREM PLUS B	122°C C	1/4 #/4	FLOCEL	<u> </u>			1.3	
Circulating Di		•	Preflus	h: Gal	- BBI			
Breakdown Ma	mumixe		Load &	Bkdn: Gal	- BBI	F	Pad: BBI - Ga	1 705 7
Average Fra Shut In: Instant 5	ac Gradient Min	15 Min	Ceme	nt Slurr Gal	· BB 23	15 - 23	Disp/BBP- Ga - 5	11 10216
	Ring #2		Total \ ac Ring #3	Volume Gal	<u>- BBI</u>	ac Ring #4		
THE INFORMATION STATED HERE		CUSTOMER'	S REPRESENTATI	VE SIGNATURE		<u></u>	•	

HALLIBURTON	OB LOG 4239-5	TICKET#	TICKET DATE 4-13-97.
REGION Worth America	NWAYCOUNTRY DOUBTED ENT	BDA/STATE	COUNTY
MBUID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELLTYPE	API/UWI#-	
WELL LOCAȚION	DEPARTMENT	JOB PURPOSE CODE	<u> </u>
4 4 4 7 h		2) 60	- AKIPHAYE
LEASE/ WELL #	SEC/TWP/RNG		IVIVIOIO
	ES EMP NAME/EMP#/(EXPOSURE HOURS) HRS HES EMP N	NAME/EMP#/(EXPOSURE HOURS) HRS HES EM	P-NAME/EMP#/(EXPOSURE HOURS) HRS
	, , , , , , , , , , , , , , , , , , ,		
119447			
QUART NO TIME RATE VOLUME	PUMPS PRESS. (psi)		<u> </u>
CHART NO. TIME (BPM) (BBL)(GAL)	T C Tbg Csg	JOB DESCRIPTION / REMARK	
145c 1750	CALLED ON LOCT	LT - KEADY NO STANDING BAC	X 70.P.
1850	START	CSG. IN HOL	
			•
3050	Hook wo	TO CEMENT S	JEAN_
2/00	CiRCULATIO	N TOPIT - SAFETU	THEETING
21/5 3120	Hock up	CMT LINE U	
3125 6.3 ,235	PRESSURE START I		SAL
02626.3 235	START 7	TAIL CMT 14.8#1	GAL
12306 9 0		FF TOKOP PLUG.	
225 2 10	START SLOW R	TOISPLACEMENT HE	TAL TSBL
2230 -	PLUGLA	NDED - 46AT	MERR
		JOB OUER	
			
_			
<u> </u>			
	THANKS	FOR	CALCING
	HALL BUR TO	N ENERGY	(S.Dilices
	N VACCIBULA		30007003
		LIBERAL	K.S.
	KLAVE		C. Call into
	HI HAVE	A 600A	EUENING
	60	BBL CMT PIT	1005KsV
		5	- '
			<u> </u>
			
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