

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

API NO. 15- 175-21380-0000

ORIGINAL

CONFIDENTIAL

County Seward
SW NE NE Sec. 24 Twp. 32S Rge. 34 X W

Operator: License # 5447

4030 Feet from SX (circle one) Line of Section

Name: OXY USA Inc.

1250 Feet from EW (circle one) Line of Section

Address P. O. Box 26100

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

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

Lease Name Donley A Well # 2

Purchaser: Enron

Field Name Hugoton

Operator Contact Person: Jerry Ledlow

Producing Formation Chase

Phone (405) 749-2309

Elevation: Ground 2844 KB NA

Contractor: Name: Cheyenne

Total Depth 3006 PBDT 2960

License: 5382

Amount of Surface Pipe Set and Cemented at 649 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

X New Well Re-Entry Workover

If Alternate II completion, cement circulated from _____ 2996'

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

feet depth to surface w/ 350 sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 2 8/9/94 11-2-94
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 6000 ppm Fluid volume 500 bbls

Well Name: _____

Dewatering method used Evaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

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

Operator Name KCC

3/30/94 4/2/94 6/3/94
Spud Date Date Reached TD Completion Date

Lease Name 1 8 1995 License No. _____

Quarter 1 Sec. 24 Twp. 32S Rge. 34 E/W

FROM CONFIDENTIAL Docket No. CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Jerry Ledlow

Title Staff Analyst Date 7/1/94

Subscribed and sworn to before me this 1st day of July, 19 94.

Notary Public Sammy L. Padilla

Date Commission Expires 8-29-94

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)

Form ACO-1 (7-91)

RECEIVED
STATE CORPORATION COMMISSION
7-5-94
JUL 05 1994

CONSERVATION DIVISION
Wichita, Kansas

PI

SIDE TWO

Operator Name OXY USA Inc. Lease Name Donley A Well # 2

Sec. 24 Twp. 32S Rge. 34 East West County, Seward

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 Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:
 MSG Gamma Collar
 Gamma Dual Spaced Neutron

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample		
Name	Top	Datum
Hollenberg	2574	+ 270
Herington	2610	+ 234
Krider	2634	+ 210
Winfield	2683	+ 161
Towanda	2734	+ 110
Ft Riley	2786	+ 58
Council Grove	2928	- 84

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	649	C	350	2% cacl 88 lbs Flocele
Production	7 3/4"	5 1/2"	14	2996 3005	C	500	2% cacl Halac-322 (220 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	2576-79, 2586-88, 2612-16, 2630-34, 2652-56		Acidize w/ 3000 gal 15 % HCL
			frac w/41,400 gal gel wtr.,	
			100,840 # 10/20 Brady Sand	

TUBING RECORD Size 2 3/8 Set At 2688 Packer At _____

Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 6/2/94 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 250 Mcf	Water 150 Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: **METHOD OF COMPLETION** Production Interval 2576-2656

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18.) Other (Specify) _____

ORIGINAL
CONFIDENTIAL

DRILLERS LOG

OXY USA, INC.
DONLEY A-2
SECTION 24-T32S-R34W
SEWARD COUNTY, KANSAS

API# 15-175-21380

COMMENCED: 03-30-94
COMPLETED: 04-01-94

SURFACE CASING: 649' OF 8 5/8"
CMTD W/200 SX 65/35 C/POZ, 2% C.C.,
1/4#/SX FLO-CELE; TAILED IN W/
150 SX "C", 2% C.C., 1/4#/SX FLO-CELE

FORMATION	DEPTH
SURFACE HOLE	0- 650
RED BED	650-1064
GLORIETTA SAND & RED BED	1064-1750
RED BED	1750-2468
SHALE	2468-3006 RTD RELEASED

AUG 18 1995
FROM CONFIDENTIAL
KCC
JUL 1
CONFIDENTIAL

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

Wray Valentine
WRAY VALENTINE

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 5TH DAY OF APRIL, 1994.

BECKY J. WHETSTONE
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 4/29/95

Becky J. Whetstone
BECKY J. WHETSTONE, NOTARY PUBLIC



CHARGE TO: **OXY USA**
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET

No. 575209 - 8

PAGE 1 OF 8

FORM 1905 R-13

1. SERVICE LOCATIONS 025540 Hiberon	WELL/PROJECT NO. A-2	LEASE Donley	COUNTY/PARISH Seward	STATE LA	CITY/OFFSHORE LOCATION	DATE 3-31-94	OWNER Oxy USA
2. SERVICE LOCATIONS 025535 Hogston	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Chayenne	RIG NAME/NO. 5	SHIPPED VIA	DELIVERED TO loc	ORDER NO.
3.	WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION /	24-325-34W	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		AMOUNT
		LOC	ACCT	DF			U/M			
000-117		1			MILEAGE	48	mi.	1	hr	132.00
001-016		1			Pump Charge	649	ft	6	hr	825.00
030-018		1			5-W Plug	85	in	1	hr	130.00
24A	815.19502	1		30	insert float	85	in	1	hr	171.00
27	815.19415	1		30	Pill-up	"	"	"	"	55.00
40	806.60059	1		30	Cent.	"	"	3	hr	216.00
350	890.10802	1		30	Weld-A	1	lb	1	hr	14.50
011-205		1			Pump Charge	90	ft	500	lb	835.00

RELEASED AUG 18 1995
 FROM CONFIDENTIAL
 JUL 1 1995
 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 *Tom Bahannon*
 DATE SIGNED: **3-31-94** TIME SIGNED: **02:00** A.M.
 P.M.
 do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 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	2,378.50
FROM CONTINUATION PAGE(S)	5398.12
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	7776.62

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 Bahannon</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <i>Tom Bahannon</i>	HALLIBURTON OPERATOR/ENGINEER <i>Tim Bahannon</i>	EMP # 87743	HALLIBURTON APPROVAL <i>AP 3896 FE-30%</i>
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TICKET CONTINUATION

ORIGINAL

TICKET No. 575209

HALLIBURTON ENERGY SERVICES

FORM 1911 R-9

CUSTOMER OXY USA

WELL Danley A #2

DATE 03-31-94

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-050	516.00265				Premium Plus Cement	50 100		sk		9.96	498.00
019-200					1" Pipe Charge			vft		1.25	
<p>ORIGINAL</p> <p>RELEASED AUG 1 8 1995</p> <p>FROM CONFIDENTIAL</p> <p>KOC JUL 1 CONFIDENTIAL</p>											
500-225		1			return CMT			EO, SK		10%	49.80
500-306		1			MILEAGE CHARGE - RETURN			8460		.95	80.37
500-207					SERVICE CHARGE			CUBIC FEET	135	1.35	135.00
500-306					MILEAGE CHARGE	TOTAL WEIGHT 9400	LOADED MILES 36	TON MILES	169.20	.95	160.74

CONTINUATION TOTAL 923.91

CUSTOMER Oxy USA
LEASE Danley
WELL NO. A-2
JOB TYPE 010
DATE 3-31-92

WELL DATA

FIELD _____ SEC. 24 TWP. 32S RNG. 34W COUNTY Seward 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 Fluid MUD WT. 8.9

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC DATA _____ TOTAL DEPTH 655

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 5/8	KB	645	1500
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	655	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-30-94</u>	DATE <u>3-31-94</u>	DATE <u>3-31-94</u>	DATE <u>3-31-94</u>
TIME <u>08:45</u>	TIME <u>01:30</u>	TIME <u>08:35</u>	TIME <u>12:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T Bohannon</u> <u>87748</u>	<u>40076 P.D.</u>	<u>Liberal Ks</u>
<u>S Tate</u> <u>20568</u>	<u>52823</u> <u>75374 P.</u>	<u>" "</u>
<u>C McIntyre</u> <u>63755</u>	<u>4461</u> <u>6612 B</u>	<u>Hugoton Ks</u>
<u>J Marin</u> <u>F4549</u>	<u>?</u>	<u>" "</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert</u> <u>8 5/8</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE <u>Fill-up</u> <u>8</u>	<u>1</u>	<u>Howco</u>
GUIDE SHOE <u>Comp.</u>	<u>1</u>	<u>Howco</u>
CENTRALIZERS	<u>3</u>	<u>Howco</u>
BOTTOM PLUG	<u>1</u>	<u>Howco</u>
TOP PLUG <u>B-W</u>	<u>1</u>	<u>Howco</u>
HEAD <u>QPC</u>	<u>1</u>	<u>Howco</u>
PACKER	<u>1</u>	<u>Howco</u>
OTHER <u>Weld-A</u>	<u>1</u>	<u>Howco</u>

MATERIALS

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

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

PROP. TYPE CONFIDENTIAL SIZE _____

PROP. TYPE CONFIDENTIAL SIZE _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE Aug 1 8 1995 GAL. _____ % _____

ACID TYPE HCC GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____

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 ORIGINAL

DEPARTMENT 5001 CMT.

DESCRIPTION OF JOB 010

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X

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>200</u>	<u>HLC P+</u>	<u>C</u>	<u>B</u>	<u>2% cc, 1/4 lb floccs</u>	<u>2.06</u>	<u>12.3</u>
<u>2</u>	<u>150</u>	<u>Prem+</u>	<u>C</u>	<u>B</u>	<u>2% cc, 1/4 floccs</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. 38.4

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 72.4 + 35

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

REMARKS

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 44 REASON Shoe JT

CUSTOMER **Oxy USA** WELL NO. **A-2** LEASE **Donley** JOB TYPE **OID** TICKET NO. **575209**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	10:45							Call out
	01:00							on hoc Aig Fighting host Cir
	06:20							Start 8 ^{5/8} CSG in Hole TD CSG Hook-up Cir Hole w Aig
								FROM CONFIDENTIAL
	08:35	5						200 ^{SK} HHC Pt + 2% CC, 1/4 ^{lb} flocc
		"	74.8					RELEASED
			35					150 ^{SK} Prem + 2% CC, 1/4 ^{lb} flocc
	08:58	-						Stop Drop 5-w Plug
	09:00	5						Displ w H ₂ O
	09:15		38.4				128	Stop Release back float Not Holding Did not band Plug Small Trace of CMT To Surface W.D.O Odor 1" of CMT W.O.C
	11:45							1" w 50 ^{SK} Prem + Tap off CMT To Surface
	12:30							Job Completed Wash-up.
								ORIGINAL
								Thank You Tim & Crew

ADDRESS Ok USA
CITY, STATE, ZIP CODE

KOC
 JUL 1
 CONFIDENTIAL

FORM 1906 R-13

SERVICE LOCATIONS 1. 25540 <u>Liberal Ks</u>	WELL/PROJECT NO. <u>A-2</u>	LEASE <u>Douley</u>	COUNTY/PARISH <u>Seward</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>4-2-94</u>	OWNER <u>Ok USA</u>
2. 25535 <u>Hwy 10 Ks</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Chapman Delg.</u>	RIG NAME/NO.	SHIPPED VIA <u>Loc</u>	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY <u>0203</u>	JOB PURPOSE <u>035 5% Prod STANG</u>	WELL PERMIT NO.	WELL LOCATION <u>NOF Liberal</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOG	ACCT	DF							
000-117	GIN	1			MILEAGE	24	miles	x	2	2.75	132.00
001-016	GIN	1			Pump charge	3006	FT				1390.18
030-016	OR	1			5w/ Top Plug	1	Each	5%		60.00	60.00
001-018	O				Additional Hours	2	Hour	1	Unit	235.00	470.00
12 A	825-205	1		30	Guida shoe	1	Each	5%		121.00	121.00
24 A	815-19251	1		30	Insert Flant	1				110.00	110.00
27	815-19313	1		30	Fillup	1				55.00	55.00
40	806-60022	1		30	Centralizers	5				44.00	220.00
350	890-10802	1		30	Hours weld A	1	lb			14.50	14.50
218-738		1			ChFis II	6	gal			24.00	144.00
313-394		1			RE 5	6	gal			40.00	240.00

RELEASED
 AUG 1 8 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 Tom Harmon
 DATE SIGNED _____ TIME SIGNED _____

SUB SURFACE SAFETY VALVE WAS:
 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?	<input type="checkbox"/> YES <input type="checkbox"/> NO		

PAGE TOTAL	2956	150
FROM CONTINUATION PAGE(S)	7566	116
SUB-TOTAL	10,522	166
APPLICABLE TAXES WILL BE ADDED ON INVOICE		

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) <u>Tom Harmon</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <u>Tom Harmon</u>	HALLIBURTON OPERATOR/ENGINEER <u>Debra Lopez</u>	EMP # <u>59179</u>	HALLIBURTON APPROVAL <u>7403870 FE-3070</u>
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JOB SUMMARY

HALLIBURTON DIVISION Mich. Cont
 HALLIBURTON LOCATION Liberal, Ks

BILLED ON TICKET NO. 575395

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY Seward 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			5 1/2	K13	3006	PH
LINER						
TUBING						
OPEN HOLE			7 7/8		3010	5HOTS/FT
PERFORATIONS						
PERFORATIONS						ORIGINAL
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-2</u>	DATE <u>4-2</u>	DATE <u>4-2</u>	DATE <u>4-2</u>
TIME <u>1100</u>	TIME <u>1300</u>	TIME <u>2050</u>	TIME <u>2200</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
DCABRE	40075	LIBERAL Ks
R. Elwood	59179 / 4903 / 1848	"
A. Clark	3626 / 5302	Hogston Ks
M. Howe	62724 / 52821 / 75817	"

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
TRIP COIL		
TRIP COIL	1	Herc
TRIP COIL	1	Herc
GUIDE SHOE	1	Herc
CENTRALIZERS	5	Herc
BOTTOM PLUG	1	Herc
TOP PLUG	1	Herc
HEAD	1	Herc
PACKER	1	Herc
OTHER	1/43	Herc

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. **RELEASED**

GELLING AGENT TYPE _____ GAL. LB. IN

FRIC RED AGENT TYPE _____ GAL. LB. IN

BREAKER TYPE _____ GAL. LB. **AUG 1 @ 1995**

BLOCKING AGENT TYPE _____ GAL. LB.

PERFPAC BALLS TYPE **FROM CONFIDENTIAL**

OTHER _____

OTHER _____

DEPARTMENT Cement **CONFIDENTIAL**

DESCRIPTION OF JOB 5 1/2 inch 1000 Stg

JOB DONE THRU TUBING CASING ANNULUS TBG / ANN

CUSTOMER REPRESENTATIVE X Tom Thomas

HALLIBURTON OPERATOR DLORIE COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT / GK	MIXED LBS / GAL
	350	Prem Plus	LTWT		2% CC, 1/4# Flocle	2.05	12.3
	220	50/50 Pz.	Prem Plus		2% CC, 1/4# Flocle, 4% Hold.	1.29	14.2

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH: BBL - GAL _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN BBL - GAL _____ PAD BBL - GAL _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT BBL - GAL _____ DISPL BBL - GAL 70.59

SHUT-IN INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY BBL - GAL 178.32

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME BBL - GAL _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 410' REASON Stoo Joint

CUSTOMER Ducasa

LEASE Douley

WELL NO. A 2

JOB TYPE 5 1/2 inch Prod Stg

DATE 4-2-94

JOB LOG FORM 2013 R-4

 CUSTOMER **Day USA** WELL NO. **A 2** LEASE **Dowley** JOB TYPE **5 1/2 Prod Struc** TICKET NO. **575395**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							Time Colled
	1400							Time Ready
	1300							Time on loc. Rig Dalg. Hole.
	1915							Start Pump Casing ORIGINAL
	2050							Casing in Hole
	2051							Hook up to Casedate Casing
	2100							Casedate Casing w/ air pump
	2103							Casedate. Midl To Cased. Level
	2113							Hook up to Pump Track KOG
	2116							300 Start Mixing Cement JUL 1
	2132	6.3	127.78					250 Start 1st Cement CONFIDENTIAL
	2141	/	50.54					250 Finish Mixing Cement
	2142	/	178.32					250 Shut Down Deep Plug
	2145	6						wash Pumps & Lines
		4.6	50.59					150 Start Displacement w/ 2% KCL
	2200							800/1500 Plug Down
								Float Held & Circulate Cent Test PIT
								11 BBL 30 SE
								Thanks For Calling Halliburton Energy Services
								Done & Cross

RELEASED

AUG 1 8 1995

FROM CONFIDENTIAL