

ORIGINAL

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

API NO. 15-175-21543-0000
County Seward
- NW - NW - SW Sec. 27 Twp. 32S Rge. 34 X ^E _W

Operator: License # 5447

2610 FSL Feet from S (circle one) Line of Section
4680 FEL Feet from E (circle one) Line of Section

Name: OXY USA Inc.

Address P. O. Box 300

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

City/State/Zip Tulsa, OK 74102-0300

Lease Name Hitch F Well # 4

Field Name Hugoton

Purchaser: DEPI

Producing Formation Chase

Operator Contact Person: Raymond Hui

Elevation: Ground 2915 KB

Phone (918) 561-3548

Total Depth 2841 PBD 2810'

Contractor: Name: Cheyenne Drilling Co.

Amount of Surface Pipe Set and Cemented at 613 Feet

License: 5382

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: None on site

If yes, show depth set _____ Feet

Designate Type of Completion
X New Well Re-Entry Workover

If Alternate II completion, cement circulated from _____

Oil SWD SIDW Temp. Abd.

feet depth to _____ w/ _____ sx cmt.

X Gas ENHR SIGW

Drilling Fluid Management Plan ALT 1 JK 5-12-97
(Data must be collected from the Reserve Pit)

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Chloride content 1800 ppm Fluid volume 2500 bbls

Operator: _____

Dewatering method used Evaporation

Well Name: _____

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite:

Deepening Re-perf. Conv. to Inj/SWD

Operator Name _____

Plug Back PBTD

Lease Name _____ License No. _____

Commingle Docket No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

Dual Completion Docket No. _____

County _____ Docket No. 10-3-97

Other (SWD or Inj?) Docket No. _____

4-16-96 4-20-96 5-2-96
Spud Date Date Reached TD Completion Date

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 Raymond Hui

Title Analyst Date 7-29-96

Subscribed and sworn to before me this 29th day of July, 1996.

Notary Public Loren Anne Wells

Date Commission Expires 9-22-97

K.C.C. OFFICE USE ONLY

F X Letter of Confidentiality Attached
 C X Wireline Log Received
 C _____ Geologist Report Received

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

Operator Name OXY USA, Inc. Lease Name Hitch F Well # 4
 Sec. 27 Twp. 32S Rge. 34 East County Seward
 West

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: Ran cased hole log.

Name	Formation (Top), Depth and Datums	
	Top	Datum
Hollenberg	2584	342
Herington	2608	318
Krider	2652	274
Winfield	2652	274
Towanda	2691	235

CASING RECORD <input 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	613	CL A	249	2% cc
Production	7 7/8"	5 1/2"	14	2830	CL A	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 ID				
<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	2584-2588; 2620-2624; 2656-2662;	Acidized w/1700 gal 7 1/2% HCL	
	2704-2707	Frac'd w/23982 gal 30 ppg gel	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2 3/8"	2742'					
Date of First, Resumed Production, SWD or Inj. Pump Testing		5-30-96		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	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
			2185					

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 2584' - 2624'
2656' - 2662'
2704' - 2707'

JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
OXY INC		F-9		HITCH		8 5/8 SURFACE		919430	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1730								CALL OUT ORIGINAL
	1930								ON LOCATION
	1935								SAFETY MEETING
	2015								HOOK UP TO REG FOR CIRC
	2109	5.5	80.25				0		MIX 140 SX M.C. 4370 C.C. + 1/2" FLOCELE 11.1 "/GAL - 3.22 "/SK - 20.17 "/SK
	2132	5.5	23.5				100		MIX 100 Prem Plus 4/22 C.C. + 1/4" FLOCELE 14.4 "/GAL - 1.32 "/SK - 6.3 "/SK
	2138								DRDP PLUG
	2139	5.5	35.44				150		DISPLACE PLUG
	2150	2					250		BUMP PLUG PRESSURE WHEN PLUG BUMPED 250 PSF RATE WHEN PLUG BUMPED 2 BBL PER MIN CIRC. 20 SACKS TO PET

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 KANSAS CORPORATION COMMISSION

SEP 03 1996

 CONSERVATION DIVISION
 WICHITA, KS

 THANK YOU
 MERVIN ROBERT

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION MID-CONTINENTHALLIBURTON LOCATION LIBERAL KANSASBILLED ON TICKET NO. 919430

WELL DATA

FIELD _____ SEC. 27 TWP. 32S RNG. 34W COUNTY STEVENS STATE KANSAS

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	U	28#	8 5/8	SUIF	602	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-17-96</u>	DATE <u>4-17-96</u>	DATE <u>4-17-96</u>	DATE <u>4-17-96</u>
TIME <u>1730</u>	TIME <u>1930</u>	TIME <u>2109</u>	TIME <u>2150</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	<u>3</u>	
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD		
PACKER <u>PLUG CONTAINER</u>	<u>1</u>	
OTHER <u>BASKET</u>	<u>1</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. _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>MERN ALLISON</u> <u>62275</u>	<u>P4</u> <u>38242</u>	<u>DUNCAN OK.</u>
<u>ROBERT ELWOOD</u> <u>D4360</u>	<u>52276</u> <u>7131</u> <u>RCM</u>	<u>LIBERAL KAN</u>
<u>GREG MERE</u> <u>H 3509</u>	<u>4461</u> <u>6012</u> <u>BULK</u>	<u>HUGOTON KAN</u>

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT 8 5/8 SURFACE CASING
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X JAKE SLATTENHALLIBURTON OPERATOR MERN ALLISON

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>140</u>	<u>M.C. Prem Plus</u>		<u>B</u>	<u>370 C.C. 1/2" SK FLOCELE</u>	<u>3.22</u>	<u>11.1</u>
<u>2</u>	<u>100</u>	<u>PREM PLUS</u>		<u>B</u>	<u>290 C.C. 1/4" SK FLOCELE</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 45 REASON SHOE JOINT

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 35.44
 CEMENT SLURRY: BBL.-GAL. (1) 80.28 (2) 23.5
 TOTAL VOLUME: BBL.-GAL. 139.22

REMARKS

SEE JOB LOG



HALLIBURTON

JOB SUMMARY

HALLIBURTON DIVISION Mid Cont
HALLIBURTON LOCATION Lincoln Ks

BILLED ON TICKET NO. 921525

WELL DATA

FIELD _____ SEC. 27 TWP. 32^S RNG. 34^W 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		<u>14^B</u>	<u>5 1/2</u>	<u>KB</u>	<u>2832</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5/8</u> <u>Insert Float</u>	<u>1</u>	<u>Houco</u>
FLOAT SHOE <u>5/8</u> <u>Fillyp</u>	<u>1</u>	
GUIDE SHOE	<u>1</u>	
CENTRALIZERS	<u>10</u>	
BOTTOM PLUG	<u>1</u>	
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER <u>Basket</u>	<u>1</u>	
OTHER		

CALLS OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-19</u>	DATE <u>4-19</u>	DATE <u>4-20</u>	DATE <u>4-20</u>
TIME <u>2100</u>	TIME <u>2330</u>	TIME <u>0150</u>	TIME <u>0330</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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Davis</u>	<u>420041</u>	<u>Lincoln Ks</u>
<u>R Britton</u>	<u>52938/75691</u>	<u>"</u>
<u>Caley</u>	<u>51984/77031</u>	<u>Houston Ks</u>
<u>E Conner</u>	<u>4461/7817</u>	<u>"</u>

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>385</u>	<u>Mid Cont</u>	<u>Premix</u>		<u>2% CC 1/4" Flocc</u>	<u>3.22</u>	<u>16.1</u>
	<u>100</u>	<u>Mid Cont</u>	<u>Premix</u>		<u>2% CC 1/4" Flocc</u>	<u>7.84</u>	<u>13.2</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 15 REASON Shut-in

SUMMARY

PRESLUSH: BBL.-GAL. 420 gal TYPE Mid Flow
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL.: BBL.-GAL. 68.30
CEMENT SLURRY: BBL.-GAL. 253.56
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CONSERVATION DIVISION
WICHITA, KS

RETAIN

CUSTOMER _____ LEASE _____ WELL NO. _____ JOB TYPE _____ DATE 4-19-96

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COMMISSION

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ORIGINAL

JOB LOG HAL-2013-C

 CUSTOMER Ony USA WELL NO. 4 LEASE HiTch F JOB TYPE 5 1/2 Prod String TICKET NO. 921525

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							Time collect
	0030							Time Ready
	2330							Time on loc. ORIGINAL
	0030							Start Pumping casing
	0150							Casing in Hole
	0150							Hookup To Circulate Casing
	0200							Circulate Casing w/ reg Pump
	0203							Circulate Mud To Ground Level
	0215		4 ⁶³⁰					Reset Pat Hole + Mouse Hole.
	0219		3 ¹³⁰					
	0220							Hookup To Pump Truck
	0225	5				350		Start Mud Flush
	0227	6.3	10 ⁶³⁰			350		Start Mix Cement
	0300		220 ⁷⁹			300		Start Tail Cement
	0309		32 ⁷⁷			250		Final Pump Cement
	0300		253.36 ^{Total}			250		Shut Down
	0312	5				150		Wash Pumps + Lines Start Displacement
	0300	3	68 ⁷³			700		Phy Down
						1200		Phy Held Circulate Cement To PAT 18 ⁶³⁰ / 31 ⁵⁴

Thanks For Calling Halliburton Energy

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Dennis Combs
7 Green

SEP 03 1996

CUSTOMER: *Okla USA* WELL NO.: *4* LEASE: *HiTch F* JOB TYPE: *5/8 Prod String* TICKET NO.: *921525*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							Time collect
	2030							Time Ready
	2330							Time out
	0030							Start Pumping Casing
	0150							Casing in Hole
	0150							Hookup To Circulate Casing
	0200							Circulate Casing w/ 120 Pump
	0203							Circulate Mud To Gradient Level
	0215		4 ^{0.52}					Cement Bit Hole + Mase Hole
	0219		3 ^{1.92}					
	0220							Hookup To Pump Truck
	0225	5				350		Start Mud Flush
	0227	6.3	10 ^{0.02}			350		Start Mix Cement
	0300		220 ^{7.2}			300		Start Tail Cement
	0309		32 ⁷			250		Final Mix Cement
	0310		253.36 ^{TOTL}			250		Shut Down
	0312	5				150		Start Displacement
	0330	3	68.75			700/1200		Plug Down
								Final Hole Circulate Mud To PRT 18 ^{bbl} / 31 ^{SK}
								Thanks For Calling Halliburton Energy

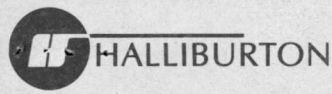
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*Dennis L...
T Green*

SEP 03 1996

CONSERVATION DIVISION
WICHITA, KS

RETAIN



JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

Mid Cont
Liberal Ks

BILLED ON TICKET NO. 921525

WELL DATA

FIELD _____ SEC. 27 TWP. 32^S RNG. 34^W 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		14 [#]	5 1/2	KB 2832		
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-19</u>	DATE <u>4-19</u>	DATE <u>4-20</u>	DATE <u>4-20</u>
TIME <u>2:00</u>	TIME <u>2:30</u>	TIME <u>0:50</u>	TIME <u>0:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5 1/2</u> <u>Euseb Float</u>	<u>1</u>	<u>Houco</u>
FLOAT SHOE <u>Fillup</u>	<u>1</u>	
GUIDE SHOE	<u>1</u>	
CENTRALIZERS	<u>10</u>	
BOTTOM PLUG	<u>1</u>	
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER <u>Basket</u>	<u>1</u>	
OTHER		

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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Oliver</u>	<u>420041</u>	<u>Liberal Ks</u>
<u>R Britton</u>	<u>52938/75051</u>	<u>"</u>
<u>C Asley</u>	<u>51984/71031</u>	<u>Hogston Ks</u>
<u>E Gomez</u>	<u>4461/7817</u>	<u>"</u>

DEPARTMENT Cement
 DESCRIPTION OF JOB 5 1/2 Prod Stng
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE Dennis Kowen
 HALLIBURTON OPERATOR Dennis Lopez COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>385</u>	<u>Mid Cont</u>	<u>Premit</u>		<u>24cc 1/4 # Flocc</u>	<u>3.22</u>	<u>11.1</u>
	<u>100</u>	<u>Mid Cont</u>	<u>Premit</u>		<u>26cc 1/4 # Flocc</u>	<u>7.84</u>	<u>13.2</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 15 REASON Shoe joint

SUMMARY

PRESLUSH: BBL.-GAL. 420 gal TYPE Mid Fluid
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 68.30
 CEMENT SLURRY: BBL.-GAL. 253.56
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER: Dry USA
LEASE: High F
WELL NO:
JOB TYPE: 5 1/2 Prod Stng
DATE: 4-19-96