

15-147-20566-00-00

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

API NO. 15-147-20566-00
County Phillips
NW-SE-NE Sec. 22 Twp. 5S Rge. 20 EW

ORIGINAL

Operator: License # 5447

Name: OXY USA Inc.

Address P. O. Box 26100

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

Purchaser: Citgo Petroleum Co.

Operator Contact Person: ~~XXXXXXXXXX~~ Raymond Hui

Phone (405) 749-2309

Contractor: Name: Duke Drilling Co.

License: 5929

Wellsite Geologist:

Designate Type of Completion

X New Well Re-Entry Workover
X Oil SWD S1OW Temp. Surface
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.

4-02-96 4-08-96 4-24-96
Spud Date Date Reached TD Completion Date

1390 Feet from SW (circle one) Line of Section

970 Feet from EW (circle one) Line of Section

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

Lease Name Graham B Well # 16

Field Name Hansen

Producing Formation Lansing/ KC

Elevation: Ground 2153' KB 2161'

Total Depth 3636' PBTB -

Amount of Surface Pipe Set and Cemented at 300 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from 3634'

feet depth to surface w/ 475 sx cmt.

Drilling Fluid Management Plan ALT 2 JH 4-10-97
(Data must be collected from the Reserve Pit)

Fluid content 1200 ppm Fluid volume 3000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

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JUN 10 1996
06-10-1996
CONSERVATION DIVISION
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 Raymond Hui

Title Staff Analyst Date 6-06-96

Subscribed and sworn to before me this 6th day of June 19 96.

Notary Public Kay Ann Kelmer

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)

Operator Name OXY USA Inc. Lease Name Graham B Well # 6
 Sec. 22 Twp. 5S Rge. 20 East County Phillips
 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 (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	Topeka	3084	- 917
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3229	-1068
List All E.Logs Run:		Toronto	3253	-1092
Ran Induction & Comp. Neutron log;		Lansing	3271	-1110
ran high Resolution Passes from		Base of KC	3474	-1313
TD to 3000'		Conglomerate	3508	-1347
		Arbuckle	3635	-1474

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 #	307	Cl. A	190	2% gal 3% Ca Cl.
Production	7 7/8"	5 1/2"	14 #	3635	Cl. A	475	0.75% HALAD-322 2% Ca Cl.

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	
	4	Lansing/KC "J" 3434-37	"I" 3416-19	Acidized "I" & "J" w/250 gal 15% NE/ FE acid
	"C" 3304-08			

TUBING RECORD		Size <u>2 3/8"</u> Set At <u>3494'</u> Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. <u>4-23-96</u>		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil <u>16</u> Bbls.	Gas <u>101</u> Mcf	Water <u>101</u> Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____

3304-3437'



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

15-147-20566-00-00

BILLED ON TICKET NO.

WELL DATA

FIELD Wagon Pass SEC. 32 TWP. 2 RNG. 2 COUNTY Wagon 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 312'

JOB DATA

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE

ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
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

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JUN 7 0 1996

CONSERVATION DIVISION
WICHITA, KS

DEPARTMENT _____

DESCRIPTION OF JOB _____

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

CUSTOMER REPRESENTATIVE **X** _____

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.

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PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

VOLUMES

PRE-FLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. _____

CEMENT SLURRY: BBL.-GAL. 46

TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 15 REASON By...

REMARKS

cc job log sheet

15' cement left in pipe

RETAIN

CUSTOMER
LEASE
WELL NO.
JOB TYPE
DATE



JOB LOG HAL-2013-C

DATE: 4-27-96 NO. 21159

CUSTOMER: Oxy	WELL NO.: 211	LEASE: Graham	JOB TYPE: 279	TICKET NO.: 21159
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	1830							called out
	2000							204 sent to Oxy on safety
								207 up 211 on 200
								RIP CIR @ 212
	2000							start out of hole w/ D.P
	2020							start 2 1/2 csg 2 1/2 Pge
								cont. 1-2" collar
	2125							Pipe out Bath-
	2134							Break cir.
	2150							Hook up to cool well
		5	2				400	MIX 190 SKs std w/ 27% oil
			46					37% cc. 40# 115-125 1/2" K
								Flow mix - Release P119.
			12 1/2				2015	Start Disp. csg. sup 1 1/2 Pge
								Flow D. SF
	2200						4015	Flow down
								call S.A. to cellar
								Start in a Head
								wash up Equip
	2300							Job complete

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WICHITA, KS

tho. to Hall, T. P.

RETAIN



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

MIDCONTINENT
11/1/96

15-147-20566-00-00

BILLED ON TICKET NO. 11524

WELL DATA

FIELD _____ SEC. 22 TWP. 5 RNG. 22 COUNTY PHILLIPS STATE K

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 2 1/2" PRC SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<u>10 1/2</u>			
LINER						
TUBING			<u>2 1/2</u>			
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-11-96</u>	DATE <u>4-11</u>	DATE <u>4-11</u>	DATE
TIME	TIME	TIME	TIME

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE FS GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE 6 GAL. 4 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 Amo 1/2 yds
 OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>L. D. ...</u>	<u>...</u>	<u>...</u>

ORIGINAL

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	YIELD FT ³ /SK	MIXED LBS/GAL.

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 _____
 REASON _____

SUMMARY

PRESLUSH: BBL-GAL. _____
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. _____
 CEMENT SLURRY: BBL-GAL. _____
 TOTAL VOLUME: BBL-GAL. _____

REMARKS

RETAIN

CUSTOMER
LEASE
WELL NO.
JOB TYPE
DATE

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WICHITA, KS



JOB LOG HAL-2013-C

CUSTOMER CENCO	WELL NO. 10	LEASE CENCO	JOB TYPE T	TICKET NO. 715244
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	06:20							ON LOCATION
	07:30							START 5 1/2 RTT RBP IN HALL ON 2 1/2 TO
	08:00							SET DOWN 4 RT 3445
								P.H. 3434-37, 3435-11, 3304-04
	09:00							SET DOWN 10 RT 3447
								SWING BITUM SET OF RLF.
	01:15							R.T. 3437 SET 7-100 HOPE L.R. 1/10
	10:15							SET DOWN 10 RT 3447
	10:17					500		3447
						510		
	11:00					500		
	11:16					700		
	12:40							
	12:47							
2	12:50							START PUMPING 1/2 RTT 3447
		1 1/2				250		1/2 RTT 3447
		2 1/2				350		1/2 RTT 3447
		3 1/2				425		1/2 RTT 3447
	12:56	2 1/2				425		1/2 RTT 3447
						200		1/2 RTT 3447
						50		1/2 RTT 3447
						50		1/2 RTT 3447
						0		1/2 RTT 3447
	13:11							1/2 RTT 3447
	13:30							1/2 RTT 3447
	08:00							1/2 RTT 3447
	08:45							1/2 RTT 3447
	08:57							1/2 RTT 3447
	08:55							1/2 RTT 3447

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WICHITA, KS



JOB LOG HAL-2013-C

CUSTOMER OXI USA INC	WELL NO. K6	LEASE C/O B...	JOB TYPE TOL + A...	TICKET NO. 915244
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
2								SET RTTS AT 3270 + SWAB TEST PERFS 3304
	10 50							RTTS 90T 3308 TO SPIT A/C 2 1/2 BBL
	10 30							RTTS 100T 3270 TO TREAT TOTAL 275 GAL BY DATE
	10 31							ST FLUSH
	10 35							ACID TO PERFS 1/2 BBL UNK/ST
		1/4					300	PERF IN 1/4 BPM 300
		3/4					300	1 BBL ACID IN 3/4 BPM 300
		1					250	2 BBL IN 1 BPM 250
		2					425	3 BBL IN 2 BPM 425
		2					400	4 BBL IN 2 BPM 400
	10 39	2					400	FINISH 200 2 BPM 400
	10 39							ESTP 200
	11 20							VAC 1 MIN
								KNOWLEDGE TO SWAB 6.5 BBL ACID
								13.5 BBL FLUSH
	07 40							20 BBL TOTAL
								LEAD
								TOTAL
	11 30							11 30

Thank You!

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CONSERVATION DIVISION
WICHITA, KS



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO
Oxy Usa Inc

ADDRESS

CITY STATE ZIP CODE

ORIGINAL

TICKET

No. **915337 - 5**

PAGE **1** OF **2**

SERVICE LOCATIONS 1. Ways 25525	WELL/PROJECT NO. B-16	LEASE Graham	COUNTY/PARISH Phillips	STATE KS	CITY/OFFSHORE LOCATION Logan, KS	DATE 4-8-96	OWNER OXY
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Duke Drlg	RIG NAME/NO. 1	SHIPPED VIA CT	DELIVERED TO Well Site	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO. API 15-147-205660	WELL LOCATION 00-00 5-5 1-2 Logan, KS		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS 38:32						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE	124	Mi			2.85	353.40
001-016		1			Pump Service	3634	FT			1570.00	1570.00
030-016		1			Top Plug	1	EA	5 1/2	IN	60.00	60.00
019-241		1			Rotating Head	1	EA	5 1/2	IN	185.00	185.00
12A	825.205	1			Guide Shoe	1	EA	5 1/2	IN	121.00	121.00
24A	845.19251	1			Insert float	1	EA	5 1/2	IN	110.00	110.00
27	815.19313	1			Auto Kill tube	1	EA	1 1/2	IN	69.55	69.55
40	806.60022	1			Centralizers	12	EA	5 1/2	IN	60.00	720.00
320	806.71430	1			Cement Baskets	4	EA	5 1/2	IN	104.00	416.00
018-317		1			Superflush	10	sh			100.00	1000.00

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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. MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS X <i>Ric Hochman</i> DATE SIGNED 4-8-96 TIME SIGNED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> 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 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 <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	PAGE TOTAL 4604 40 FROM CONTINUATION PAGE(S) 9133 44 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 13737 84	
	TYPE LOCK DEPTH BEAN SIZE SPACERS TYPE OF EQUALIZING SUB. CASING PRESSURE TUBING SIZE TUBING PRESSURE WELL DEPTH TREE CONNECTION TYPE VALVE			

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>Ric Hochman</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <i>Ric Hochman</i>	HALLIBURTON OPERATOR/ENGINEER <i>Gail Palmberg</i>	EMP # 41489	HALLIBURTON APPROVAL <i>EGP</i>
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HALLIBURTON ENERGY SERVICES

4444-5070 4506 15-147-20566-00-00
 TICKET CONTINUATION ORIGINAL

TICKET No. 915337

CUSTOMER OXY WELL Graham B-16 DATE 4-8-96 PAGE 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-200		1			MID CON #	350	SKS			12 76	4466 00
504-308		1			STANDARD	125	SKS			9 57	1196 25
508-127		1			CAL SEAL	12	SKS			25 90	310 80
509-968		1			SALT	700	lbs			15	105 00
507-775		1			HALAD 322	88	lbs			7 00	616 00
509-406		1			Calcium Chloride	6	SKS			36 75	220 50
507-970		1			D-AIR	31	lbs			3 25	100 75
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500-207		1			SERVICE CHARGE					CUBIC FEET 513	1 35 692 55
500-306		1			MILEAGE CHARGE					TON MILES 1500.62	95 1425 59
											TOTAL WEIGHT 48,407
											LOADED MILES 62

ORIGINAL

CONTINUATION TOTAL 9133.44

No. B 302445



JOB SUMMARY

HALLIBURTON DIVISION MIDCONTINENTHALLIBURTON LOCATION HAYS 15-147-20566-00-09BILLED ON TICKET NO. 915-337

WELL DATA

FIELD _____ SEC. 22 TWP. 5S RNG. 20W COUNTY Graham 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. 9.5
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 3635

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		14	5 1/2	0	3634	
LINER						
TUBING						
OPEN HOLE			7 7/8	3634	3635	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR			
FLOAT Insert <u>Insert</u> 5 1/2	1	HES	
GUIDE SHOE <u>Reg</u> 5 1/2	1	HES	
CENTRALIZERS <u>8-1/2</u> 5 1/2	12	HES	
BOTTOM PLUG			
TOP PLUG <u>5W</u> 5 1/2	1	HES	
HEAD <u>Rotating Head</u> 5 1/2	1	HES	
PACKER			
OTHER <u>CMZ Baskets</u> 5 1/2	4	HES	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-7</u>	DATE <u>4-8</u>	DATE <u>4-8</u>	DATE <u>4-8</u>
TIME <u>1930</u>	TIME <u>0045</u>	TIME <u>0615</u>	TIME <u>0915</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

ORIGINAL

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 _____

RECEIVED
 KANSAS CORPORATION COMMISSION

JUN 7 1996
 DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT PROD C59

CONSERVATION DIVISION
 WICHITA, KS

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

CUSTOMER REPRESENTATIVE X Ric Acobay

HALLIBURTON OPERATOR Gail Palmberg COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	350	MIDCON	2	B	2% CC	3.22	11.1
	125	STANDARD	EA-2	B	10% SALT 3/4% HALAD-322 10% Calseal 1/4% D-AR	15.4	15.7

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 42 REASON Shut Joint

SUMMARY

VOLUMES

PRESLUSH: BBL. 40 SALT FRESH TYPE 6 SPECIAL
 LOAD & BKDN: BBL.-GAL. 12 Superficial PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 99
 CEMENT SLURRY: BBL.-GAL. 231
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

SEE JOB LOG.
 Thank you
 Had, Amy, Joe & Doug

CUSTOMER OXY USA INC
 LEASE Graham
 WELL NO. B-16
 JOB TYPE Prod C59
 DATE 4-8-96



HALLIBURTON

15-147-20566-00-00

DATE PAGE NO.

4-8-96 1

JOB LOG HAL-2013-C

CUSTOMER OXY USA INC	WELL NO. B-16	LEASE Graham	JOB TYPE Prod Csg	TICKET NO. 915337
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
47	1930							Called out
48	0045							On location
								Rig Laying down P.P.
								Set up Equipment
								Discuss Job
	0235							Start 5 1/2" 14.0*/Lt Csg
	0410							DROP BALL For Insert
	0440							Casing @ TD Rig up to Circulate
	0445							Ball through Insert
	0645	6	40			300		Circulate w/ Rig Pump Rotate Csg
	0652		3			200		Pump Salt Flush
	0651	3	12			200		Pump Spacer
			3			200		Pump Super Flush
	0705							Pump Spacer
	0740							Plug Rate Hole w/ midcon 2
								START mixing cement
								350 sks midcon 2 2% CC
								125 sks EA-2, 10% Calseal
								10% SALT 3 1/4% HALAD-322
								14* D-Air 1sk
	0800							Cement mixed
								Wash out pump - lines
								Release Plug
	0803	6	45			200		Start displacement
		5 1/2						step Rotating Casing
			87			1000		Cement to Surface
	0820		88			1650		displacing cement
								plug down Circ 75 sks Cnt To Pit
								Release Pressure - float held
	0915							Wash up & Rack up
								Job Completed

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 10 1996

CONSERVATION DIVISION
WICHITA, KS

Thank you
 Lou, Gary, Lee & Doug
 Neil Palmberg Halliburton
 Ric Ackerman Oxy USA
 [Signature]