

ORIGINAL

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

API NO. 15-129-21444-00-00
County Morton
SW Sec. 17 Twp. 33S Rge. 42 E
X W

Operator: License # 5447

Name: OXY USA Inc.

Address P. O. Box 300

City/State/Zip Tulsa, OK 74102-0300

Purchaser: CIG

Operator Contact Person: Raymond Hui

Phone (918) 561-3548

Contractor: Name: Val Energy

License: _____

Wellsite Geologist: None on location

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

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 PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

7-24-96 8-3-96 10-1-96
Spud Date Date Reached TD Completion Date

1320 Feet from S/W (circle one) Line of Section
3960 Feet from E/W (circle one) Line of Section

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

Lease Name Ellis B Well # 2

Field Name Unnamed

Producing Formation Upper Morrow

Elevation: Ground 3451 KB 3461

Total Depth 4750' PBTD 4710'

Amount of Surface Pipe Set and Cemented at 1378' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set DV Tool at 3227' Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan A.H. 1, 7-16-98 etc.
(Data must be collected from the Reserve Pit)

Chloride content 3200 ppm Fluid volume 1800 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. _____

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 Raymond Hui

Title Analyst Date 11-1-96

Subscribed and sworn to before me this 1st day of November, 1996.

Notary Public Loren Anne Wells

Date Commission Expires 9-22-97

K.C.C. OFFICE USE ONLY		
F	Letter of Confidentiality Attached	
C	<input checked="" type="checkbox"/> Wireline Log Received	
C	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)		

RECEIVED
KANSAS CORP COM
FEB 14 1997
Form AGO 2 (7-91)

2-14-97

Operator Name OXY USA Inc.

Lease Name Ellis B Well # 2

Sec. 17 Twp. 33S Rge. 42
 East
 West

County Morton

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 Microlog; Induction FDL log; sonic;
 Spectral Density Neutron

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Morrow	4541	4554'

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	1378'	Midcon	465	3% cc
Production	7 7/8"	5 1/2"	14	4755	Midcon	1st stage 275sx 2nd stage 445 sx	

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
4	4541-4554'	Acidized 300 gal 7 1/2%	
		MCA	
		Frac'd w/11425 gal.	
		My-T-Oil	

TUBING RECORD Size 2 3/8" Set At 4598' Packer At 4598' Liner Run Yes No

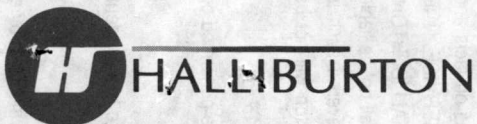
Date of First, Resumed Production, SWD or Inj. Pump Testing 11-7-96 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		103 MCFD			

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 4541-4554'



HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO: Oxy. U.S.A
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

CUSTOMER COPY

TICKET

No.

106727 - 5

PAGE 1 OF 2

RECEIVED
 KANSAS CORP COMM KS
 1997
 14 P 1:19 HES

SERVICE LOCATIONS 1. <u>025535 HES</u>	WELL/PROJECT NO. <u>2</u>	LEASE <u>ELLIS B</u>	COUNTY/PARISH <u>1997</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION <u>LOCATION</u>	DATE <u>8-2-96</u>	OWNER <u>SAME</u>
2. <u>025540 LEBRAI</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>VAL ENERGY</u>	RIG NAME/NO. <u>14 P 1:19 HES</u>	SHIPPED VIA <u>HES</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE <u>01</u>	WELL CATEGORY <u>010</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
000-117					MILEAGE	1	U	170	M	2.99	508	30
000-119					CREW MILEAGE	1	U	170	M	1.60	272	00
007-013	001-016				PUMP CHARGE	6	HR		FT		1820	00
007-161					ADDITIONAL STAGE	6	HR		1500		1550	00
26	847-6518				INSERT FLOAT SHOE	5 1/2	IN	1	EA		350	00
27	815-19311				INSERT FLOAT Fill Assembly	5 1/2	IN	1	EA		69	00
40	806-60022				CENTRALIZERS	5 1/2	IN	14	EA	60.00	840	00
66	806-72730				LIMIT CLAMP	5 1/2	IN	1	EA		16	00
71	813-80300				D.V. TOOL	5 1/2	IN	1	EA		2,925	00
320	806-71430				CANVAS CAT BASKET	5 1/2	IN	2	EA	104.00	208	00
350	890-10802				HOWCO WELD A	1	ID	2	EA	16.75	33	50
75	813-16511				2 STAGE LATCH DOWN Plug SET	5 1/2	IN	1	EA		840	00

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

[Signature]
 DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

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 <u>9,431.80</u>	
TYPE LOCK DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		FROM CONTINUATION PAGE(S) <u>17,658.67</u>
BEAN SIZE SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?		
TYPE OF EQUALIZING SUB. CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>27090.47</u>
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) <u>CAL WYLIE</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>[Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>ROBERT ELWOOD</u>	EMP # <u>D.4360</u>	HALLIBURTON APPROVAL
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TERMS AND CONDITIONS

(1295)

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 OFFICES, 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 constitute 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 while 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 Customer'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 on their return to Halliburton or, at 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 furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB 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 fault. 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.



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

51984-7620

TICKET No. 106727

FORM 1911 R-10

DM

CUSTOMER OXY USA	WELL Ellis B 2	DATE 8-2-96	PAGE 2	OF 2
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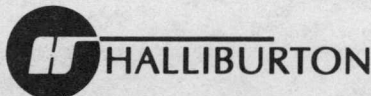
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-282		1			Midcon Premium Plus	720		sks		16.76	12067.20
507-285	70.15250										
508-127	516.00335										
509-406	890.50812	1			Calcium Chloride 2% w/all	14		sks		40.75	570.50
507-210	890.50071	1			Flocele 1/4# w/all	180		#		1.65	297.00
018-315		2			MIDFLOW	1	gal	1000	CA	.65	650.00
001-018		2			ADDITIONAL Hours	1	HR	3	EA	260.00	780.00
001-018		2			ADDITIONAL Hours	1	HR	2	EA	260.00	520.00
500-207		1			SERVICE CHARGE					1.35	1074.60
500-306		1			MILEAGE CHARGE					1.05	2113.68
					TOTAL WEIGHT						71650
					LOADED MILES						59
					CUBIC FEET						796
					TON MILES						2113.68

ORIGINAL

RECEIVED
KANSAS CORP COMM
1997 FEB 14 9 11 AM

CONTINUATION TOTAL

No. B 341987



JOB LOG HAL-2013-C

DATE: 8-2-96
PAGE NO.: 1

CUSTOMER: Oxy U.S.A. WELL NO.: RECEIVED KANAWHA CORP COMM 1997 FEB 14 P. 1 LEASE: ELLES B JOB TYPE: 5 1/2 D.U. Comps - Aring TICKET NO.: 106727

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	18:30							CALLING OUT READY 19:00
	19:00							ON LOG RIG LAYING DOWN DRILL PIPE
23-96	00:00							LAY DOWN DRILL COLLARS
	01:15							BET ON BANK
	01:55							RIG UP CASERS
	02:15							START CASING
	03:07							INSTALL D.U. TOOL TOP OF JOINT #36
	04:55							CASING ON BOTTOM
	05:05							CIRCULATE W/ RIG
	05:30							HOOK TO HALLIBURTON
	05:34	2.5	10			250		START WASH FLUSH
	05:38	7.5	90			200		START CNT @ 13.2 ¹ / _{gal}
	05:50							SHOT DOWN
	05:52							DROP SHUT OFF PLUG WASH TO POT
	05:54	5	40			100		START 1 ST DISPLACEMENT
	06:02	4.6	74.8			150		START 2 ND DISPLACEMENT
	06:12					750		PLUG DOWN
	06:19					1500		RELEASE BRK
	06:21					0		OPEN TO DROP BOMB
	06:37					1370		OPEN D.U. TOOL
	06:45							CIRCULATE W/ RIG
								2 ND STAGE
	11:03							HOOK TO HALLIBURTON
	11:05	3.3	10			150		START WASH FLUSH
	11:08	7.1	129			150		START LEAD CNT @ 11.1 ¹ / _{gal}
	11:26	6.5	72			200		START TAIL CNT @ 13.2 ¹ / _{gal}
	11:37					200		SHOT DOWN
	11:39					0		DROP CLOSING PLUG / WASH TO POT
	11:42	3.7	78.6			0		START DISPLACEMENT
	12:03					200		PLUG DOWN
	12:03					1500		CLOSE TOOL
	12:04					0		RELEASE BRK / JOB COMPLETE
								THANK YOU FOR CALLING
								HALLIBURTON
								ROBERT & CREW
								CIRCULATE TO POT 72° 136 ⁵ / _{gal}

ORIGINAL

WELL DATA

FIELD _____ SEC. 17 TWP. 33S RNG. 42 W COUNTY Morton STATE Ks

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD. _____ 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	N	14	5 1/2	K.O.	4750	
LINER						
TUBING						
OPEN HOLE			7 7/8	6.0	4750	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-2-96</u>	DATE <u>2-2-96</u>	DATE <u>8/3/96</u>	DATE <u>8/3/96</u>
TIME <u>15:30</u>	TIME <u>19:00</u>	TIME <u>05:30</u>	TIME <u>12:03</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		<u>Hovco</u>
FLOAT SHOE <u>INSERT W/FILL</u>	<u>1</u>	
GUIDE SHOE <u>Hovco 10010</u>	<u>2</u>	
CENTRALIZERS <u>S-4</u>	<u>14</u>	
BOTTOM PLUG <u>D.W. Tool</u>	<u>1</u>	
TOP PLUG <u>D.W. C.O. Plug Set</u>	<u>1</u>	
HEAD <u>GCPC</u>	<u>1</u>	
PACKER <u>Clamp</u>	<u>2</u>	
OTHER <u>CUT BASKET</u>	<u>2</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. ELWOOD</u>	<u>41475</u>	<u>LIBERT Ks</u>
<u>D. 43600</u>	<u>P.U.</u>	<u>"</u>
<u>D. MCGRUDER</u>	<u>52938</u>	<u>"</u>
<u>G. 1499</u>	<u>73051 (P)</u>	<u>"</u>
<u>S. TELFORD</u>	<u>51984</u>	<u>"</u>
<u>H. 4217</u>	<u>7620 (B)</u>	<u>Hopewell Ks</u>
<u>JIM</u>	<u>50404</u>	<u>"</u>
<u>RAY-J HAWK</u>	<u>75505</u>	<u>"</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 _____

DEPARTMENT SECC Cont
 DESCRIPTION OF JOB 5 1/2 O.V. LONGSTRING
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE **X** PM [Signature]
 HALLIBURTON OPERATOR ROBERT ELWOOD COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>275</u>	<u>Miscow P+</u>		<u>B</u>	<u>2% C.C., 1/4 1/2 SK Floccs</u>	<u>1.24</u>	<u>13.2</u>
<u>2</u>	<u>225</u>	<u>Miscow P+</u>		<u>B</u>	<u>2% C.C., 1/4 1/2 SK Floccs</u>	<u>3.22</u>	<u>11.1</u>
	<u>220</u>	<u>Miscow P+</u>		<u>B</u>	<u>2% C.C., 1/4 1/2 SK Floccs</u>	<u>1.24</u>	<u>13.2</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. SEE JOB KEY DISPL: BBL.-GAL. _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. _____
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 44.57 REASON SNAG JOINT

CUSTOMER

CUSTOMER _____
 LEASE _____
 WELL NO. 2
 JOB TYPE _____
 DATE 8-2-96



HALLIBURTON ENERGY SERVICES

HAL-1906-N

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

DUNCAN COPY

TICKET

No.

967928 - 5

RECEIVED
 KANSAS CORP COMM

PAGE 1 OF 2

1. SERVICE LOCATIONS WVO	WELL/PROJECT NO. C-2	LEASE FLLIS	COUNTY/PARISH DICKINSON	STATE OK	CITY/OFFSHORE LOCATION OKLAHOMA	DATE 8-2-96	OWNER SANIE
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES	CONTRACTOR Val ENERGY	RIG NAME/NO	SHIPPED VIA CT LOC	DELIVERED TO	ORDER NO.	
3. <input type="checkbox"/> SALES	<input checked="" type="checkbox"/> NO	WELL CATEGORY	JOB PURPOSE 621	WELL PERMIT NO. AVA	WELL LOCATION LAND		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS 02						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
720500	ORIGINAL				MILEAGE OH SERVICE		15A			1400.00	1400.00
721640					HRI DEPTH		4747 FT			60	2848.20
721641					HRI OP		3367 FT			60	2070.80
722330					GR DEPTH		4747 FT			11	522.17
722331					GR OP		3367 FT			11	370.37
722070					FWS DEPTH		4747 FT			55	2610.85
722075					LSAT OP		3367 FT			55	1851.85
721740					MEL DEPTH		4747 FT			25	1186.75
721741					MEL OP		3367 FT			25	841.75
721920					SOL DEPTH		4747 FT			55	2610.85
721921				SOL OP		3367 FT			55	1851.85	

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

<input checked="" type="checkbox"/> Austin Garnez DATE SIGNED: 8-2-96 TIME SIGNED: 1:00 <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M. <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	PAGE TOTAL 18114.84 FROM CONTINUATION PAGE(S) 12043.80 LESS ASSC. 18508.39 SUB-TOTAL 11650.25 APPLICABLE TAXES WILL BE ADDED ON INVOICE
	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?					
	TUBING SIZE	TUBING PRESSURE	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) AUSTIN GARNEZ	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X Austin Garnez	HALLIBURTON OPERATOR/ENGINEER Troy Wilkerson	EMP # 62136	HALLIBURTON APPROVAL WVO103
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TERMS AND CONDITIONS

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 recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while 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 Customer'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 on their return to Halliburton or, at 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 furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB 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 fault. 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.



HALLIBURTON ENERGY SERVICES
HAL-1908-P

CHARGE TO: **Oxy USA INC.** RECEIVED
STATE CORPORATION COMMISSION
ADDRESS: **JUL 15 1998**
CITY, STATE ZIP CODE: **WARRICK, INDIANA 46783**

ORIGINAL - DUNCAN COPY **TICKET**
No. **106656 - C**

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

SERVICE LOCATIONS 1. 1. Loyal KS	WELL/PROJECT NO. 2	LEASE ELLIS B	COUNTY/PARISH Monroe Co.	STATE KS	CITY/OFFSHORE LOCATION Land	DATE 7-25-96	OWNER Same
2. Hugoton KS	WELL TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Allen #2	RIS NAME/NO. Allen #2	SHIPPED VIA Location	DELIVERED TO Location	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION Land 17-335-42W		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS Cement 8 5/8 Surface Casing						

PRCG REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UNITS	QTY.	UNITS	UNIT PRICE	AMOUNT
		LOC.	ACCT.	OF.							
000-117				405	MILEAGE	R/T 140	mi	1	EA	2.99	418.00
000-119					Crew Mileage	R/T 140	mi	1	EA	1.60	224.00
001-016				405	Pump Charge	1380	ft	1	EA	1,180.00	1,180.00
12A	825.217			32	Guide Shoe	8 5/8		1	EA	210.00	210.00
27	815.19415				Fill Assy	8 5/8		1	EA	64.00	64.00
24A	815.19502				Float Insert	8 5/8		1	EA	221.00	221.00
41	806.61048				Centralizers	8 5/8		4	EA	61.00	244.00
66	806.72750				EZ Loc	8 5/8		1	EA	21.00	21.00
350	890.10802				Howco Weld			1	EA	16.75	16.75
320	806.71460			32	Baskets	8 5/8		1	EA	124.00	124.00
0230-016				405	5W TOP Plug	8 5/8		1	EA	130.00	130.00
001-018				405	ADDITIONAL HOURS	8	HR	1	EA	260.00	260.00

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X
DATE SIGNED: _____ TIME SIGNED: _____
 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 UNDECIDED DISAGREE

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	4939
FROM CONTINUATION PAGE(S)	10056
	14995
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	8999.00

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) Col. Wylie	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X	HALLIBURTON OPERATOR/ENGINEER DANNY BACON	EMP # 09366	HALLIBURTON APPROVAL Arnold Anderson 405
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HALLIBURTON LOCATION **LIBERAL, KS**

FILLED ON TICKET NO. **106656**

WELL DATA
 FIELD _____ SEC. **17** TWP. **33S** RANG. **42W** COUNTY **MORTON** STATE **KS**

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD. OIL _____ OPD. WATER _____ OPD. 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 **1300'**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 5/8	KB	1300	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT VALVE INSERT w/FLUID	1	HAWCO
CLAMP E2-10C	1	
GUIDE SHOE 8 5/8	1	
CENTRALIZERS 8 5/8	4	
BOTTOM PLUG		
TOP FLUID 5W	1	
HEAD P.C.	1	
BASKET 8 7/8	1	
OTHER WELD-A	1	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 7/25/96	DATE 7/25/96	DATE 7/26/96	DATE 7/26/96
TIME 13:00	TIME 16:00	TIME 04:30	TIME 05:35

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
DAUDY BACON	38002	DUNCAN, OK
JOHN KLOFT	52276	DUNCAN, OK
CLINT ASKLEY	60404	HUGOTON, KS
DALLAS CORNING	415	HUGOTON, KS

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 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 _____

DEPARTMENT _____
 DESCRIPTION OF JOB _____
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE **X**
 HALLIBURTON OPERATOR **DANNY BACON** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK PACKED	ADDITIVES	YIELD CU.FT./BK	MIXED LBS./GAL.
	365	MASON PREMT	S.W.	B	3% C.C., 1/2% FLOCELE	3.22	11.1
	100	PREM PLUS	S.W.	B	2% C.C., 1/4% FLOCELE	1.32	14.8

PRESSURES IN POI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES. URH: DOL. GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ P.A. BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: DBL.-GAL. _____ DISPL. BBL.-GAL. **85**
 SHUT-IN INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY _____ GAL. **205 LC 23.5 TC.**
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME _____ BBL.-GAL. **232.5**
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ FASPI. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET **41** REASON **SHOE JOINT**

REMARKS
SEE JOB LOG

CUSTOMER: **OKY USA INC**
 LOG: **ELLIS B**
 WELL NO.: **2**
 JOB TYPE: **8 5/8 SWEATER**
 DATE: **7/25/96**

