

ORIGINAL SIDE ONE

RELEASED CONFIDENTIAL JAN 9 1999

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

Operator: License # 3316

Name: Matagorda Island Exploration Corp.

Address P. O. Box 351

City/State/Zip Liberal, Kansas 67905-0351

Purchaser: JM Petroleum (Oil)

Operator Contact Person: M. L Pease

Phone (316) 624-6253

Contractor: Name: Gabbert-Jones, Inc.

License: 5842

Wellsite Geologist: Mark Smith

Designate Type of Completion X New Well Re-Entry Workover X Oil SWD Temp. Abd. Gas Inj Delayed Comp. Dry Other (Core, Water Supply, etc.)

If CWMO: old well info as follows: Operator:

Well Name:

Comp. Date Old Total Depth

Drilling Method: X Mud Rotary Air Rotary Cable

8/18/89 8/27/89 10/6/89 Spud Date Date Reached TD Completion Date

API NO. 15- 129-21,000-00-00 County Morton FROM CONFIDENTIAL SE NW NE Sec. 4 Twp. 33S Rge. 40 X East West

4290 Ft. North from Southeast Corner of Section

1650 Ft. West from Southeast Corner of Section (NOTE: Locate well in section plat below.)

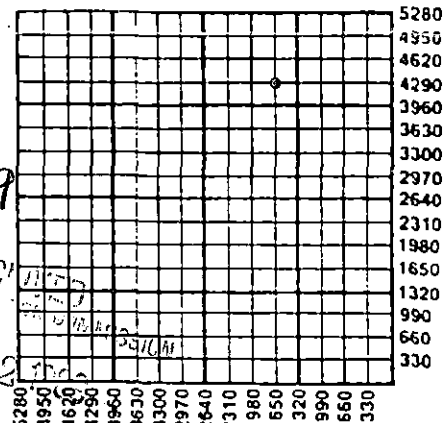
Lease Name USA "L" Well # 1

Field Name Stirrup

Producing Formation U. Morrow "D"

Elevation: Ground 3310.8 KB 3322.8

Total Depth 5695 PBD 5352



12-12-89 STATE OF KANSAS CONSERVATION DIVISION WICHITA OFFICE

Amount of Surface Pipe Set and Cemented at 1573 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 M. L Pease Title Division Production Manager Date 12/5/89

Subscribed and sworn to before me this 5th day of December, 1989.

Notary Public Cheryl Steers

Date Commission Expires

CHERYL STEERS Notary Public - State of Kansas My Appl. Expires 6-1-93

K.C.C. OFFICE USE ONLY F Letter of Confidentiality Attached C Wireline Log Received C Drillers Timelog Received Distribution KCC SWD/Rep NGPA KGS Plug Other (Specify)

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Operator Name Matagorda Island Exploration Corp. Lease Name USA "L" Well # 1

Sec. 4 Twp. 33S Rge. 40  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 (Attach Additional Sheets.)  Yes  No

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run (Submit Copy.)  Yes  No

Formation Description

Log  Sample

Name Top Bottom

"SEE ATTACHMENT #1"

RELEASED

JAN 29 1991

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**CASING RECORD**  New  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	1573	50/50 POZ	550 ✓	4% gel 2% cc
					Common	200	2% cc
Production	7 7/8	4 1/2	11.6	5489	Lite	50	
					Thickset	135	1/4# Flocele

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	5359-62	A/800 gals 7 1/2% FE	5359
4	5334-44	A/1400 gals 7 1/2% FE	5334

**TUBING RECORD** Size 2 3/8 Set At 5306 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 10/19/89 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	57	25	32	438	36°

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

METHOD OF COMPLETION  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 5359-62  
5334-44

CONFIDENTIAL ORIGINAL

ORIGINAL

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ATTACHMENT #1

JAN 29 1991

CONFIDENTIAL

FROM CONFIDENTIAL

FORMATION	TOP	BOTTOM
B. Stone Corral	1580'	2274'
Chase	2274'	2568'
Council Grove	2568'	2813'
Admire	2813'	3004'
Wabaunsee	3004'	3248'
Topeka	3248'	3740'
Heebner	3740'	3756'
Toronto	3756'	3846'
Lansing	3846'	4238
Kansas City	4238'	4532'
Marmaton	4532'	4692'
Cherokee	4692'	5134'
Morrow	5134'	5468'
L. Morrow	5468'	5682'
Mississippian	5682'	5695'
TD	5695'	

CONFIDENTIAL

RECEIVED  
STATE HISTORICAL COMMISSION

DEC 12 1989

CONSERVATION DIVISION  
Wichita, Kansas

**HALLIBURTON SERVICES**

A Halliburton Company

**ORIGINAL**

REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

**INVOICE**

INVOICE NO.	DATE
844214	09/07/1989

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
USA L-1	MORTON	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	DUNNAM WELL SERVICE	RECEMENT	09/07/1989
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
019595	JOHN SHILLING		33876
SHIPPED VIA		FILE NO.	
COMPANY TRUCK		82364	

ANADARKO PETROLEUM CORP  
P. O. BOX 351  
LIBERAL, KS 67905-0351

*2182-2041*

RELEASED  
DIRECT CORRESPONDENCE TO:  
SUITE 600  
COLORADO DERBY BUILDING  
WICHITA, KS 67202-0000  
FROM CONFIDENTIAL

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	62	MI	2.20	136.40
		1	UNT		
009-019	PLUGGING BK SPOT CEMENT OR MUD	2906	FT	935.00	935.00
		1	UNT		
018-315	MUD FLUSH	840	GAL	.45	378.00
314-153	POTASSIUM CHLORIDE	150	LB	.22	33.00
504-050	PREMIUM PLUS CEMENT	125	SK	7.08	885.00
507-210	FLOCELE	44	LB	1.21	53.24
509-406	ANHYDROUS CALCIUM CHLORIDE	3	SK	25.75	77.25
500-959	CELITE	1900	LB	.41	779.00
500-207	BULK SERVICE CHARGE	245	CFT	.95	232.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	139.340	TMI	.70	97.54
<b>INVOICE SUBTOTAL</b>					<b>3,607.18</b>
<b>DISCOUNT-(BID)</b>					<b>721.42-</b>
<b>INVOICE BID AMOUNT</b>					<b>2,885.76</b>
*-KANSAS STATE SALES TAX					108.68
*-SEWARD COUNTY SALES TAX					25.57
<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>					<b>\$3,020.01</b>

FINAL APPROVAL	
<i>[Signature]</i>	
LIBERAL OPERATIONS RECEIVED	
SEP 14 1989	
APPROVED	IOC
DATE	TANGIBLE
CODED BY	OPERATIONS

**CONFIDENTIAL**

CO. SEC. DIVISION  
Wichita, Kansas

**TERMS** INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: **SS-12-1909** DATE: **8/19/89**  
 STAGE: **2 F** DS DISTRICT: **VLASSES, KS**

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO.: **USA L-1** LOCATION (LEGAL): **SEC 4-32J-40W** RIG NAME: **WARBERT JONES**  
 FIELD-POOL: \_\_\_\_\_ FORMATION: \_\_\_\_\_ WELL DATA: BIT SIZE **12 1/4** CSG/Liner Size **8 7/8** BOTTOM: \_\_\_\_\_ TOP: \_\_\_\_\_  
 COUNTY/PARISH: **MORTON** STATE: **KANSAS** API. NO.: \_\_\_\_\_ TOTAL DEPTH: \_\_\_\_\_ WEIGHT: **24** ORIGINAL  
 NAME: **ANADARKO** MUD TYPE: \_\_\_\_\_ GRADE: \_\_\_\_\_  
 AND: **(MATAGORDA ISLAND EXP. WEP)** MUD DENSITY: \_\_\_\_\_ LESS FOOTAGE SHOE JOINT(S): **43** MUD VISC.: \_\_\_\_\_ Disp. Capacity: **964** TOTAL: **984**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity  
 ADDRESS: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

SPECIAL INSTRUCTIONS: **5 1/8" CASING w/ - 550 SRS 30/50 (ADUW) + 4% O2O + 2% SI - 200 SRS CLASS H + 2% SI**

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE: **150** PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>): \_\_\_\_\_  
 PRESSURE LIMIT: **3000** PSI BUMP PLUG TO: **300** PSI  
 ROTATE: \_\_\_\_\_ RPM RECIPROCATATE \_\_\_\_\_ FT No. of Centralizers \_\_\_\_\_

JOB SCHEDULED FOR TIME: \_\_\_\_\_ DATE: **8/19** ARRIVE ON LOCATION TIME: **1200** DATE: **8/19** LEFT LOCATION TIME: **1800** DATE: **8/19**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								PRE-JOB SAFETY MEETING
1552		0	10		5.8	H <sub>2</sub> O	-	PUMP WATER
1555		146	141.1		5.5	CMT	13.5	MIX LEAD CMT
1629		30	37.4		2.4	CMT	16.4	MIX TAIL CMT
1648		0	-		-	-	-	SHUT-DOWN - DROP PLUG
1650		0	98.4		6.5	H <sub>2</sub> O	-	START DISPLACEMENT
1704		690		78	6.5	H <sub>2</sub> O	-	COMBUT TO SURFACE
1706		610		88	2.2	H <sub>2</sub> O	-	LOWER PUMP RATE
1711		1150		98.4	2.2	H <sub>2</sub> O	-	BUMP TO PLUG
1712		-	-	-	-	-	-	BLEED PRESSURE

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REMARKS: \_\_\_\_\_

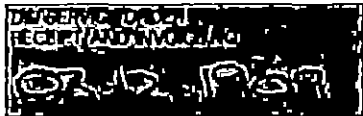
SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	550	1.44	50/50 (ADUW)	+ 4% O2O + 2% SI	141.1	13.5
2.	200	1.05	CLASS H	+ 2% SI	37.4	16.4
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE: \_\_\_\_\_ VOLUME: \_\_\_\_\_ DENSITY: \_\_\_\_\_ PRESSURE: \_\_\_\_\_ MAX. **170** MIN: **0**  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST: \_\_\_\_\_  YES  NO Cement Circulated To Surf.  YES  NO **20** Bbls.  
 BREAKDOWN: \_\_\_\_\_ PSI FINAL: \_\_\_\_\_ PSI DISPLACEMENT VOL. **98.4** Bbls. TYPE OF WELL:  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 Washed Thru Peris  YES  NO TO \_\_\_\_\_ FT. MEASURED DISPLACEMENT:  \_\_\_\_\_  WIRELINE  
 PERFORATIONS: \_\_\_\_\_ CUSTOMER REPRESENTATIVE: **JUNIOR DETIMER** DS SUPERVISOR: **JEE LIMA**

**DOWELL SCHLUMBERGER INCORPORATED**  
 P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

**ORIGINAL**



DSI SERVICE LOCATION NAME AND NUMBER  
**ULYSSES, KS 03-12**

CUSTOMER NUMBER	CUSTOMER P.O. NUMBER	TYPE SERVICE CODE <b>215</b>	BUSINESS CODES
CUSTOMER'S NAME <b>ANADARKO</b>		WORKOVER NEW WELL <input checked="" type="checkbox"/> W OTHER <input type="checkbox"/> N	API OR IC NUMBER
ADDRESS		ARRIVE LOCATION MO. <b>8</b> DAY <b>19</b> YR <b>89</b> TIME <b>1200</b>	
CITY, STATE AND ZIP CODE		SERVICE ORDER RECEIPT	

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. \_\_\_\_\_ in accordance with the terms and conditions as printed on the reverse side of this form.

**CMT 5 1/2" CASING W/  
 - 550 SES 50/50 (P2:4) + 4" 0020  
 + 270 SI  
 - 200 SES CLASS 4 + 270 SI**

STATE <b>KANSAS</b>	CODE	COUNTY/PARISH <b>MORISON</b>	CODE	CITY
WELL NAME AND NUMBER / JOB SITE <b>USA...</b>		LOCATION AND POOL / PLANT ADDRESS <b>SEC 4 - 552 - 40W</b>		SHIPPED VIA <b>LS</b>
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE <b>E. E. Lehmer</b>				

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
054200002	MILEAGE	MIL	53	2.40	127.20
048213000	EQUIPMENT CHARGE	HR	1	925.00	925.00
049102000	DELIVERY CHARGES	100mi	1800	0.80	1444.74
049100000	SERVICE CHARGE	LFT	807	1.08	871.56
054697000	PACE	FEET/HR	1	110.00	110.00
056704000	TORQUE (CRUISER)	EA	1	140.00	140.00
040015000	CLASS H CMT	LFT	475	6.85	3255.75
045006000	LITE P2-3	LFT	275	2.30	632.50
045014050	PRE-VENTATIVE EXT-OR	LB	1848	0.13	240.24
067008100	SI, CALCIUM CHLORIDE	LB	1300	0.32	416.00

**ORDER**  
**RELEASED**  
**RECEIVED**  
 FROM CONFIDENTIAL

FIELD ESTIMATE \$ <b>8160.99</b>		SUB TOTAL	
LICENSE/REIMBURSEMENT FEE		LICENSE/REIMBURSEMENT FEE	
REMARKS: <b>THANK YOU FOR USING D.S.</b>	STATE	% TAX ON \$	
	COUNTY	% TAX ON \$	
	CITY	% TAX ON \$	
SIGNATURE OF DSI REPRESENTATIVE <b>DE LMA</b>		TOTAL	\$ <b>8160.99</b>

DISTRICT Liberal KS

DATE 9-7-89

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE  
THE SAME AS AN INDEPENDENT CONTRACTOR TO: APC (CUSTOMER)  
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. L-1 LEASE USA SEC. 4 TWP. 33 RANGE 40

FIELD Hugotown COUNTY Morton STATE KS OWNED BY APC

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
TOTAL DEPTH 5442 MUD WEIGHT \_\_\_\_\_  
BORE HOLE \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>U</u>	<u>11.6</u>	<u>4 1/2</u>	<u>6L</u>	<u>5442</u>	
LINER						
TUBING	<u>N</u>		<u>2 3/8</u>	<u>6L</u>	<u>2906</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_  
TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED 2700 HP  
205 Recement + Borecure 30 lb H<sub>2</sub>O 10661 28KCL 20661 mud fluid 10461 28KCL 75% 20% C-116  
29.00 1/2" PFH MIX @ 1.2 PPG 505 lbs Pore Plus 10% celite 2% CS 1/2" FH d volume with Force 440  
10.5 lb

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.

b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:

- Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
- Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
- Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

c) That 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 products, supplies or materials, nor the results of any treatment 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 against any damages arising from the use of such information.

d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.

f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.

g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED John S. Sloan CUSTOMER  
DATE 9-7-89

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

TIME \_\_\_\_\_ A.M. P.M.

CUSTOMER

**WELL DATA**

FIELD Hugotau SEC. 4 TWP. 33 RNG. 40 COUNTY Marion STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<u>U</u>	<u>11.6</u>	<u>4 1/2</u>	<u>66</u>	<u>5448</u>	
LINER							
TUBING		<u>U</u>		<u>2 3/8</u>	<u>66</u>	<u>2906</u>	
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 5448

**JOB DATA**

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-7-89</u>	DATE <u>9-7-89</u>	DATE <u>9-7-89</u>	DATE <u>9-7-89</u>
TIME <u>06:30</u>	TIME <u>10:00</u>	TIME <u>11:00</u>	TIME <u>13:30</u>

**TOOLS AND ACCESSORIES**

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

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>C. Anderson</u>	<u>35930</u>	<u>Liberal KS</u>
<u>R. Bellinghousen</u>	<u>74132</u>	<u>1</u>
<u>S. Abee</u>	<u>1538-6611</u>	<u>Hugotau KS</u>
<b>RELEASED</b>		
<u>11/2 9/89</u>		
<b>FROM CONFIDENTIAL</b>		

**MATERIALS**

TREAT. FLUID 2000 DENSITY 0 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 \_\_\_\_\_ IN.  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT C.M. +  
 DESCRIPTION OF JOB 205 Reconn. +  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE X John Sherry  
 HALLIBURTON OPERATOR C.M. + Anderson COPIES REQUESTED 2

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>75</u>	<u>Pocm Plus</u>	<u>C</u>	<u>B</u>	<u>20% cel. to 2% CC. 1/4# F10</u>	<u>2.69</u>	<u>13</u>
<u>2</u>	<u>50</u>	<u>"</u>	<u>C</u>	<u>B</u>	<u>10% " " "</u>	<u>2.09</u>	<u>13</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 \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL-GAL 36 / 12.6  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ TOTAL VOLUME: BBL-GAL \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_ REMARKS \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL \_\_\_\_\_ OVERALL \_\_\_\_\_ CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET \_\_\_\_\_ REASON \_\_\_\_\_

CUSTOMER APC  
 LEASE USA  
 WELL NO. L-1  
 JOB TYPE 205 Reconn. +  
 DATE 9-7-89