

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

Operator: License # 5558
Name: Dawson-Markwell Exploration Co.
Address 3620 N.W. 58th
Oklahoma City, Okla. 73112
City/State/Zip _____
Purchaser: Texaco
Operator Contact Person: Ed Markwell
Phone (405) 947-2587
Contractor: Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Jim Craig

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/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PSTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
8-5-92 8-10-92 11-15-92
Spud Date Date Reached TD Completion Date

API NO. 15- 185-22854.0000
County Stafford
60' E
C - N/2 - NW - SW Sec. 31 Twp. 21S Rge. 11 XX E/W
2310 Feet from S (circle one) Line of Section
720 Feet from W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Mellies-Fischer Well # 4
Field Name Sand Hills
Producing Formation Simpson
Elevation: Ground 1781 KB 1786
Total Depth 3650 PBD 3536
Amount of Surface Pipe Set and Cemented at 263 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ABT / OK 1-1-93 RD
(Data must be collected from the Reserve Pit)
Chloride content 8700 ppm Fluid volume 640 bbls
Dewatering method used Truck to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name Bob's Oil Service
Lease Name Teichmann SWD License No. 1942
Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
County Stafford Docket No. _____
Operator # 30610

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 Ed Markwell
Title President Date 11-30-92
Subscribed and sworn to before me this 30th day of November, 19 92
Notary Public Christie Hall
Date Commission Expires 11/19/94

RECEIVED
OFFICE USE ONLY
F Letter of Confidentiality Attached
DEC 24 1992
G Wireline Log Received
H Geologist Report Received
Distribution
WICHITA DIVISION _____ SWD/Rep _____ NSPA
WICHITA DIVISION _____ Plug _____ Other
KGS _____ (Specify)

PI

SIDE TWO

Operator Name Dawson-Markwell Exploration Co. Lease Name Mellies-Fischer Well # 4

Sec. 31 Twp. 21S Rge. 11 East West
 County Stafford

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	544	+1242
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner Shale	3047	-1261
List All E.Logs Run:		Brown Lime	3176	-1390
Dual Induction, Compensated Density, Radiation Guard Log, Bond Log		Lansing KC	3204	-1418
		Simpson Shale	3502	-1716
		Simpson Sand	3518	-1732
		Arbuckle	3543	-1759
		Log RTD	3652	-1886

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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	28	263	60/40 Poz	165	2%Gel-3%CC
Production	7 7/8	4 1/2	10.5	3536	60/40 Poz	200	2%Gel-10%Sal

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)	
		Amount	Depth
2	3520-3524	B-J-Versol V - 500 Gals.	
		5000# 12-20 & 8400 Gals.	
		Gelled Water	

TUBING RECORD	Size <u>2" EUE</u>	Set At <u>3516</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj.	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>23</u> Bbls.	Gas Mcf	Water <u>0</u> Bbls.	Gas-Oil Ratio Gravity <u>42</u>

Disposition of Gas: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	Production Interval <u>3520-24</u>
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DRILLSTEM TEST RESULTS

- DST #1 - Lansing-Kansas City Lime 3235' - 3420'
 30/60/60/60 IFP Built to strong blow off bottom of bucket in 4 minutes. FFP built to strong blow off bottom of bucket in 12 minutes. Recovered 320' gas in pipe, 35' clean gassy oil, 75' slightly oil and water cut mud (5% oil, 25% water, 70% mud), 540' gassy saltwater. BHT 108°F, IHP 1617#, IFP 186#, FFP 345#, ICIP 1254#, FCIP 1150#, FHP 1617#
- DST #2 - Viola 3466' - 3488'
 30/60 No blow, flush tool, tool okay, F/30 min., Recovered 5' drilling mud. BHT 108°F, IHP 1739#, IFP 31#, ICIP 31#, FHP 1737#
- DST #3 - Simpson Sand 3510' - 3530'
 30/60/60/60 Very strong blow off bottom of bucket in 2 min. IFP. Very strong blow off bottom of bucket in 2 min. FFP. Recovered 2145' gas in pipe, 1305' clean gassy oil, 60' gas and oil cut muddy oil (30% gas, 10% oil, 60% oil cut mud) BHT 110°F, IHP 1849#, IFP 219#, FFP 460#, ICIP 836#, FCIP 815#, FHP 1846#
- DST #4 - Arbuckle Dolomite 3542' - 3564'
 30/60/60/60 Weak building to strong blow off bottom of bucket in 11 min. IFP. Weak building to strong blow off bottom of bucket in 22 min. FFP. Recovered 180' clean gassy oil (60% gas, 40% oil), 60' gassy oil cut mud (50% gas, 2% oil, 48% oil cut mud). BHT 110°F, IHP 1884#, IFP 62#, FFP 104#, ICIP 983#, FCIP 784#, FHP 1874#.

DAILY DRILLING PROGRESS

ORIGINAL

- 8- 4-92 Move in and rig up
 8- 5-92 Set 262' @ 8 5/8" surface casing w/165 sks, drilling at 565'
 8- 6-92 Drilling at 2085'
 8- 7-92 Drilling at 2935'
 8- 8-92 Drilling at 3408'
 8- 9-92 Drilled to 3420', DST #1. Drilled to 3488', DST #2.
 8-10-92 Drilled to 3530', DST #3. Drilled to 3564', DST #4.
 8-11-92 Drilled to TD. Running production casing.

DEC 2 1992

SUPERVISORY DIVISION
Wichita, Kansas

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO.

045723

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT: TRATT

DATE: 8-5-92

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: DAWSON - MARKWELL EXPL. CO. (CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 4 LEASE MELLIES-FISCHER SEC. 31 TWP. 21S RANGE 11W

FIELD COUNTY STAFFORD STATE KS OWNED BY

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME, TYPE, THICKNESS, FROM, TO, PACKER TYPE, SET AT, TOTAL DEPTH, MUD WEIGHT, BORE HOLE, INITIAL PROD, PRESENT PROD

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

-CMT. SURF. 256. 12/160 SKS 40/60. 102

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.
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:
1. 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.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. 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.
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.
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.
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.
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: G.O. Richard, Kansas

SIGNED DATE 8-5-92 CUSTOMER

11:00



JOB SUMMARY

HALLIBURTON DIVISION EASTERN AREA 1
 HALLIBURTON LOCATION GREAT BOND, KS

BILLED ON TICKET NO. 245723

WELL DATA

FIELD _____ SEC. 31 TWP. 21S RNG. 11W COUNTY. STACEORD STATE. KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			25	8 3/8	0	26.5	
LINER							
TUBING							
OPEN HOLE				12 3/4	KID	263	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

FORMATION THICKNESS FROM _____ TO _____

INITIAL PROD. OR _____ 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 _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-5</u>	DATE <u>8-5</u>	DATE <u>8-5</u>	DATE <u>8-5</u>
TIME <u>0900</u>	TIME <u>10:00</u>	TIME <u>1330</u>	TIME <u>1430</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>M. Salyard</u>	<u>COMD.</u>	<u>GT. SD</u>
<u>D. Seab</u>	<u>3244</u>	
<u>D. Ash</u>	<u>Bulk</u>	<u>HAYS</u>
	<u>0818</u>	

DEPARTMENT CRMT.

DESCRIPTION OF JOB CRMT. SURF USE 4 1/2" 5K 46/10 R2

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE [Signature]

HALLIBURTON OPERATOR M.R. [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>165</u>	<u>40 Top</u>	<u>LS STANDARD</u>		<u>5% GEL 3% C.C.</u>	<u>1.29</u>	<u>14.5</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURUSH: 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 37 32

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL _____

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON RECALCULATED

REMARKS

SEE PAGE 1 OFF T.D. DIVISION
Wichita, Kansas

CUSTOMER DANSON WORKWELL EXP. INC.
 WELLS-FLOWER
 WELL NO. _____
 JOB TYPE REPAIR
 DATE 8-5-72

HALLIBURTON SERVICES
JOB LOG

WELL NO. 4 LEASE MILLICK-FUNKE TICKET NO. 245723
 CUSTOMER PROSSER MARKWELL LIND CO PAGE NO. _____
 JOB TYPE CEMENT DATE 8-5-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							CALLED OUT
	1000							ON LOCATION
								BIG STILL DRUG
								BREAK CUR.
	1330							MIX 1MT.
	1332	5	0			400		START PUMPING
			32.32					STOP FINISHED MIXING
								RELEASE PUC
	1341	7	0			300		START DISP. (RUN WIRE LINE)
								1MT RETURN PUC @ 170' ^{TR} 200' PASTER
	1345		15.66					PUC DOWN WIRE LINE 200'
								SHTUT 11'
								WASH UP
								RACK UP
	1430							JOB COMP.

THANK YOU
M. BOHARD
D. SCOTT

RECEIVED

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WICHITA DIVISION
Wichita, Kansas

CUSTOMER

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 245831

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT Pr H, Ks

DATE 8-11-92

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Dawson - Merkinell Exploration (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 4 LEASE Mellies - Fischer SEC. 31 TWP. 21S RANGE 11W

FIELD _____ COUNTY St. Francis STATE Ks OWNED BY Some

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM	TO					
PACKER TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							
INITIAL PROD:	OIL	BPD, H ₂ O	BPD, GAS	MCF			
PRESENT PROD:	OIL	BPD, H ₂ O	BPD, GAS	MCF			

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Set 4 1/2 @ 3622' w/ 125 sks (40 60) Pozmix 10% salt, .75% Haled 322, 2% gel
75 sks (40 60) Pozmix 2% gel, 10% salt, .75% Haled 322, 10# gel/sunite
400# salt for 20 bbl Preflush
420 gal MSA Run on top of plug

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:
 1. 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.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. 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.

DEC 2 1992

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

SIGNED [Signature] CUSTOMER

DATE 8-11-92

TIME 1900 AM (PM)

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

HALIBURTON SERVICES
JOB LOG

WELL NO. 4 LEASE Mellis Fisher TICKET NO. 245831
 CUSTOMER Dawson - Markwell Explor. PAGE NO. 1
 JOB TYPE 4 1/2 Long String DATE 8-11-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							Called out
	1800							On location
	1830							Set up trucks
								Break Circulation
	2105	6 1/2	20		✓		350	Run 20 bbl Salt Preflush
	2108	6 1/2	1		✓		300	Start mixing cement
	2116	6 1/2	49.4		✓		200	Finish mixing cement
	2120							Clear lines - Release Plug
	2123	1	1		✓		100	Start displacement w/ 10% MSA
	2130	8 1/2	57.4		✓		1200	Plug down @ 3609'
							No	By Wire line
	2132							Release Float Head
	2107							Plug rethole w/ 10% cement
	2140							Wash & Rock up
	2200							Job complete
								Thank You
								51936-P
								81870 Jerry Bennett
								CR500 Kevin Gordley
								41254 Ray Parker

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OPERATIONS DIVISION
Wichita, Kansas

CUSTOMER

JOB SUMMARY

HALLIBURTON DIVISION **EMSTEAD AREA I**
 HALLIBURTON LOCATION **GRANT BEND, MS.**

BILLED ON TICKET NO. **245037**

WELL DATA

FIELD **31** TWP **21S** RING **NW** COUNTY **STAFFORD** STATE **MS.**

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS FROM _____ TO _____

INITIAL PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

PRESENT PROD. OIL _____ SPD. WATER _____ SPD. 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	10.5	4 1/2	KB	3622	
LINER						
TUBING						
OPEN HOLE			7 1/2	3622	3650	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 8-11	DATE 8-11	DATE 8-11	DATE 8-11
TIME 1700	TIME 1800	TIME 2100	TIME 2250

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. BENNETT	RCM-P	
R. GORDLEY	51936	25520
R. PARKER	BULL	
	3734-5621	25555

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FRONT-LOADER INSERT FLOAT	1	Howco
FLOAT SHOE		
GUIDE SHOE 4 1/2"	1	Howco
CENTRALIZERS 4 1/2" 1,3,6,10	4	Howco
BOTTOM PLUG		
TOP PLUG 5W	1	Howco
HEAD 4 MANIFOLD	1	Howco
PACKER		
OTHER CEMENT BASKET-5A	1	Howco

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 **CEMENT**

DESCRIPTION OF JOB **CEMENT 4 1/2 PRODUCTION CSG.**

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE *[Signature]*

HALLIBURTON OPERATOR **J. BENNETT** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	125	40-60 P&L		B	2% CEL, 10% SMT, -75% H-32L	1.31	14.54
	75	40-60 P&L		B	2% CEL, 10% SMT, -75% H-32L, 10% CELS.	1.51	13.68

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH **20** GAL _____ TYPE **SHUT FLUSH**

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

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL. **57.4** GAL _____

SHUT-IN INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY **29.2** GAL _____ **20.2 = 49.4**

HYDRAULIC HORSEPOWER _____ DATE **2/17/72**

TOTAL VOLUME: BBL-GAL _____

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

REMARKS **TOTAL PIPE TAGGY 3623'**
Insert 3609

FEET **14** REASON **Insert**

CUSTOMER: **MUSCO-MARKWELL EPL.** LEASE: **MILLERS - FISHER** WELL NO. **4** JOB TYPE: **4 1/2 PRODUCTION** DATE: **8-11-52**