

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

Operator: License # 30146

Name: Mach Petroleum, Inc.

Address P.O. Box 35583

City/State/Zip Tulsa, Oklahoma 74153

Purchaser: Scurlock/Permian

Operator Contact Person: Thomas C. Mach

Phone (918) 496-0442

Contractor: Name: Duke Drilling Co.

License: 5929

Wellsite Geologist: Dan Fredlund

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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11/8/91 11/14/91 2/5/92
Spud Date Date Reached TD Completion Date

API NO. 15- 155-21,180 - 0000

County Reno

C NE NE Sec. 20 Twp. 25S Rge. 9 E
X W

4620 Feet from S/W (circle one) Line of Section

660 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 Joy Royse Well # 1

Field Name Langdon

Producing Formation Mississippi Chat

Elevation: Ground 1698 KB 1706

Total Depth 4040 PBTB 4036

Amount of Surface Pipe Set and Cemented at 170 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to 3-20-92 ex cat.

Drilling Fluid Management Plan A17-1
(Data must be collected from the Reserve Pit)

Chloride content 9000 ppm Fluid volume 1400 bbls

Dewatering method used Haul

Location of fluid disposal if hauled offsite: _____

Operator Name C & C Tank Service Inc.

Lease Name Roach SWD License No. 30708

Quarter 14 Sec. 14 Twp. 25 S Rng. 9 E
W

County Reno Docket No. D-22208

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 Thomas C. Mach

Title President Date 3/19/92

Subscribed and sworn to before me this 19 day of March 19 92.

Notary Public Joy Wattle

Date Commission Expires August 8, 1994

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
S	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

Operator Name Mach Petroleum, Inc. Lease Name Joy Royse Well # 1

Sec. 20 Twp. 25S Rge. 9 East West
 County Reno

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:
 DIL/FDC/CNL/SP/GR/CAL/CBL/Correlation

Name	Top	Datum
Heebner	3194	-1488
Lansing/KC	3406	-1700
Swope	3669	-1963
Hertha	3701	-1995
Cherokee	3864	-2157
Mississippi	3881	-2175
Kinderhook	3966	-2260

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"	24	170	60/40 Poz	170	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	15.5	4035	60/40 Poz	150	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)	Depth
4	3884-3894	2500 g 15% Mud Acid	3884

TUBING RECORD		Size	Set At	Packer At	Liner Run	Production Interval	
		2 7/8"	3924	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3884-3894	
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Swabbing <input type="checkbox"/> Other (Explain)				
2/5/92							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	72	Unknown	528		34.5		

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

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

HALLIBURTON SERVICES

A Division of Halliburton Company

TICKET

NO. 173855-1

ORIGINAL

FORM 1508-R-11

WELL NO.—FARM OR LEASE NAME 1 Joy Kouze		COUNTY Kan.	STATE Kc	CITY / OFFSHORE LOCATION	DATE 11-3-91
CHARGE TO March Production Fee		OWNER Stame	MONEY TYPE (CHECK ONE) RECEIVE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		INTRODUCED JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Duke W/C	1 LOCATION 1 1/2 mi N		CODE 3585
CITY, STATE, ZIP		SHIPPED VIA 39204	2 LOCATION		CODE
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	3 LOCATION		CODE
TYPE AND PURPOSE OF JOB 010		ORDER NO. B-573342	REFERRAL LOCATION		

In consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price list, located at the end of this form, within 30 days of the date of the invoice, or other 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 market 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. These terms and conditions shall be governed by the law of the state whose services are performed or attempted to be performed.


Halliburton warrants only that its materials, supplies and services and that its agents and employees are qualified and acceptable. IT IS AGED NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF SERVICE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING STATEMENT. Liability and Contractor's obligations are limited to the extent of the contract. No liability shall be assumed by the Contractor for any delay or non-performance of work caused by conditions beyond its control, including but not limited to, weather, strikes, or other causes beyond its control. In the event that Halliburton is liable for special, incidental, or consequential damages, the maximum amount of such damages shall be limited to the amount of the contract price for the work performed. In the event that Halliburton is liable for special, incidental, or consequential damages, the maximum amount of such damages shall be limited to the amount of the contract price for the work performed.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
200117				MILEAGE	25	MI	1	7/16"	26 ⁰⁰	6500
01-016				ROAD CHARGE	87		8	1/4"		42500
30-503				TOP HUG C/D	1		2	1/4"		9000
40	80797059			CONTRACTOR	1		5	1/4"		6200

NOT THIS IS AN INVOICE

PAID

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-573342**

JOB SATISFACTORILY COMPLETED?	WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR SERVICES FURNISHED UNDER THIS CONTRACT.  HALLIBURTON OPERATOR
OPERATION OF EQUIPMENT SATISFACTORY?	
PERFORMANCE OF PERSONNEL SATISFACTORY?	
CUSTOMER OR HIS AGENT (PLEASE PRINT) William Langdon	HALLIBURTON APPROVAL CUSTOMER
CUSTOMER OR HIS AGENT (SIGNATURE)	

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE

HALLIBURTON SERVICES

ORIGINAL

HALLIBURTON LOCATION

PLUM #

BILLED ON TICKET NO. 175355

WELL DATA

FIELD _____ SEC 30 TWP. 25 RNG. 9W COUNTY RENO STATE KY

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 175 2.00 150 TOTAL DEPTH 185

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>54</u>	<u>1</u>	<u>Hanna</u>
BOTTOM PLUG		
TOP PLUG <u>101</u>	<u>1</u>	<u>"</u>
HEAD <u>P.C.</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER		

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-8</u>	DATE <u>11-8</u>	DATE <u>11-8</u>	DATE <u>11-8</u>
TIME <u>1200</u>	TIME <u>700</u>	TIME <u>2148</u>	TIME <u>2230</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Rupp</u>	<u>2548</u>	<u>Plum #5</u>
<u>C. Thompson</u>	<u>5250 (P)</u>	<u>"</u>
<u>D. Anderson</u>	<u>447-660</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

NR AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

PRC. RED. AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFPAQ BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Engineering

DESCRIPTION OF JOB Completion 8/8 5000

JOB DONE THRU TUBING CASING ANNULUS TEG/ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK PACKAGED	ADDITIVES	YIELD CUFT/GK.	MIXED LBS/GAL.
	<u>120</u>	<u>4460 R</u>	<u>Hanna</u>	<u>B</u>	<u>2% 114 Gal, 3% 12</u>	<u>1.22</u>	<u>14.31</u>
<u>1st</u>	<u>50</u>	<u>5000</u>	<u>Hanna</u>	<u>B</u>	<u>3% 12 in 5105</u>		

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ % FRACTURE GRADIENT _____

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

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 15 REASON By [Signature]

WHEELS: BBL-GAL 3 TYPE Hand

LOAD & BKON: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 10.8

CEMENT SLURRY: BBL-GAL 38.4

TOTAL VOLUME: BBL-GAL _____

REMARKS [Signature]

CUSTOMER [Vertical text on right edge]

JOB LOG

WELL NO. 1 LEASE Jay Rayse TICKET NO. 173855
 CUSTOMER MACH. PETROLEUM CORP PAGE NO. _____
 JOB TYPE 5 1/2" SURFACE DATE 11-8-91

ORIGINAL

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TLBING	CASING	
	1800							Called out Rayse about
	2000							on location set up
	2025							Big Circulation Hole
	2035							Hole starts - Circulation -
	2042							Start out of Drill Pipe
	2105							Drill Pipe out of hole
	2135							Start 2 1/2" casing on hole
	2140							Check for hole
	2145							Hook to rig into Pull
								Break Circulation
								Finish Circulation
								Hook to Howca?
								Cement to 1000'
	2148	3.0	3.0	-	-		100	Rec'd the Spool
	2149	5.4	0	✓	✓		200	Start mixing Cement
	2156	5.4	38.4	-	-		200	Finish mixing Cement
								Release Plug
	2156		0	✓	-		100	Start Displacement
	2218		10.8	-	-		200	Plug Down
	2230							Job Complete
								NOTE: Had trace of cement to
								Fl. Ditch - Had to set collar
								& found good cement
								THANK YOU!
								CALL AGAIN!
								TRUNG

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 8-0-2009 BY 60320

CUSTOMER

HALLIBURTON SERVICES

ORIGINAL WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 173555

DISTRICT Perm Kc

DATE 11-8-91

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

WELL NO. 11 LEASE Jay Lease SEC 20 TWP. 25 RANGE 900

FIELD _____ COUNTY _____ STATE _____ OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____ FROM _____ TO _____ Packer: TYPE _____ SET AT _____ TOTAL DEPTH 125 MUD WEIGHT _____ BORE HOLE 12 1/4 INITIAL PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF _____ PRESENT PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF _____

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

Correct 5 1/2 casing w/ 170 lbs 4 1/2" w/ 27.7 lbs gal, 39 sec

We have 20 SKS 5 1/2" casing w/ 170 lbs 4 1/2" w/ 27.7 lbs gal, 39 sec
1" casing on location is needed

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: THE 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 of 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 non-negligence of any vessel owned, operated, or furnished by Halliburton or any defect in the tools, 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. Each defense, indemnity, release and hold harmless obligations of Customer shall not apply unless 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 subsurface well conditions and the necessity of relying on tools and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of its products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart, interpretation, reservoir 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 that 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 multiple 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 and 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 when 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.

RECEIVED W.E. CORPORATION COMM.

SIGNED John J. Langdon

DATE 11-8-91

TIME _____ A.M. P.M.

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.

CUSTOMER



AND ORIGINAL
TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 173355

DATE 11/8/91	CUSTOMER ORDER NO.	WELL NO. AND FARM Joy Boyce	COUNTY Beaver	STATE Ks.
CHARGE TO Mach Petroleum		OWNER Same	CONTRACTOR Duke Drig.	No. B573342
MAILING ADDRESS		DELIVERED FROM Pratt, Ks.	LOCATION CODE 25555	PREPARED BY Jln Arand
CITY & STATE		DELIVERED TO Walt Stro	TRUCK NO. 4142-6660	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
				40/60 Pozmix Cement	170	Sks				
504-308				standard Cement	102	Sks			5.35	545.70
506-105				Pozmix A	60	Sks			3.29	197.40
506-121				Halliburton Gel 2% Allowed	3	Sks			7/6	
509-406				Calcium Chloride	4	Sks			26.25	105.00
					Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES		
					SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET		
500-207				SERVICE CHARGE			CU. FEET	230	1.15	264.50
500-306				Mileage Charge	20,062	TOTAL WEIGHT	25	250.78	80	200.62
					CARRY FORWARD TO INVOICE			SUB-TOTAL		1,348.54

THIS IS NOT AN INVOICE

No. **B 573342**

RECEIVED

CARRY FORWARD TO INVOICE

SUB-TOTAL

1,348.54

MAR 20 1992

CUSTOMER

HALLIBURTON SERVICES

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

FORM 1008 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO.

173858

DISTRICT Plant HS DATE 11-14-91

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

WELL NO. 1 LEASE Toy Boyse SEC. 20 TWP. 25 RANGE 90w

FIELD _____ COUNTY Beau STATE KS OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	THICKNESS	FROM	TO	TRIP USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING					<u>11</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KS</u>	<u>4059</u>	
LINER										
TUBING										
OPEN HOLE										CHISEL/FT.
PERFORATIONS										
PERFORATIONS										
PERFORATIONS										

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CONCRETE 5 1/2 L.S. w/ 150 SKS 40/60 2nd GEN, 10% SPT, 75% HALLIBURTON
6 @ 6000 FT, 12% SPT, 12% SPT, WITH 25% HALLIBURTON (SPT) EA. WELL
PROCEED CONCRETE.
25 SKS 40/60 2nd GEN. WILL BE USED FOR PURPOSES OF THIS WELL.

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 its account 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 2% 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 wellbore 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 in claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unreasonableness 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 routine 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 well 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 [Signature] CUSTOMER

DATE 11-14-91

TIME 4:00 P.M.

RECEIVED
MACH PETROLEUM COMPANY
NOV 20 1991
CUSTOMER

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

HALLIBURTON SERVICES

SUMMARY ORIGINAL

HALLIBURTON LOCATION

BILLED ON TICKET NO. 173558

WELL DATA

FIELD, SEC, TWP, RNC, COUNTY, STATE, FORMATION NAME, TYPE, THICKNESS, INITIAL PROD, PRESENT PROD, COMPLETION DATE, MUD TYPE, MUD WT, PACKER TYPE, SET AT, BOTTOM HOLE TEMP, MUD VOLUME, MISC DATA, TOTAL DEPTH

JOB DATA

CALLER OUT, ON LOCATION, JOB STARTED, JOB COMPLETED, DATE, TIME

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY, MAKE. Includes items like FLOAT COLLAR, GUIDE SHOE, CENTRALIZERS, BOTTOM PLUG, TOP PLUG, HEAD, OTHER.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel like D. Ricker, J. A. Ryan.

MATERIALS

TREAT. FLUID, DISPL. FLUID, PROP. TYPE, ACID TYPE, SURFACTANT TYPE, FLUID LOSS ADD. TYPE, GELLING AGENT TYPE, FRIC. RED. AGENT TYPE, BREAKER TYPE, BLOCKING AGENT TYPE, PERFRAC BALLS TYPE, OTHER

DEPARTMENT, DESCRIPTION OF JOB

JOB DONE THRU: TUBING, CASING, ANNULUS, TDB/ANAL

CUSTOMER REPRESENTATIVE, HALLIBURTON OPERATOR, COPIES REQUESTED

CEMENT DATA

Table with columns: NUMBER OF BAGS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK, MIXED LBS/GAL. Includes entries for 150 and 35 bags of cement.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING, BREAKDOWN, AVERAGE, SHUT-IN INSTANT, ORDERED, TREATING, FEET, PRESSURE, DISPLACEMENT, MAXIMUM, FRACTURE GRADIENT, HYDRAULIC HORSEPOWER, CEMENT LEFT IN PIPE, REASON, PRESURCH, LOAD & BKDN, TREATMENT, CEMENT SLURRY, TOTAL VOLUME, REMARKS

MAR 20 1992

CUSTOMER

CUSTOMER, WELL NO., JOB TYPE, DATE



AND
TICKET CONTINUATION ORIGINAL

FOR INVOICE AND TICKET NO. 173858

DATE 11/16/91	CUSTOMER ORDER NO.	WELL NO. AND FARM J. Joy Boyce	COUNTY Bezo	STATE
CHARGE TO Mach Petroleum	OWNER Sawa	CONTRACTOR Duke Drilling	No. B573345	
MAILING ADDRESS	DELIVERED FROM Fruit Co.	LOCATION CODE 25555	PREPARED BY Ho. Arund	
CITY & STATE	DELIVERED TO Well Site	TRUCK NO. 4142-5621	RECEIVED BY Boyer	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
Front				40/60 Pozmix Cement	150	Sks				
504-308				Standard Cement	90	Sks			5.35	481.50
506-105				Pozmix A	60	Sks			3.29	197.40
506-121				Halliburton Gel 2% Almond	3	Sks				N/C
508-291				Gilsonite	900	#			.35	315.00
509-968				Salt	750	#			.10	75.00
507-775				Balsol 322	97	#			6.15	596.55
Rear				40/60 Pozmix Cement	25	Sks				
504-308				Standard Cement	15	Sks			5.35	80.25
506-105				Pozmix A	10	Sks			3.29	32.90
506-121				Halliburton Gel	1	Sks				N/C
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES	
				SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET	
500-207				SERVICE CHARGE					CU. FEET	
500-306				Mileage Charge	17,098	TOTAL WEIGHT	25	LOADED MILES	213.72	TON MILES
									.80	

THIS IS NOT AN INVOICE

No. B	573345	RECEIVED	CARRY FORWARD TO INVOICE	SUB-TOTAL	2,184.18
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FORM 1911-REV. 8-87

MAR 20 1992

CUSTOMER



ORIGINAL

TICKET NO. 173858-1

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>1 Toy House</i>		COUNTY <i>REVO</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>11-14-91</i>
CHARGE TO <i>MARIE P. HALLIBURTON</i>		OWNER <i>State</i>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR <i>TRIKE 2266</i>	1 LOCATION <i>PRATT KS</i>		CODE <i>25355</i>
CITY, STATE, ZIP		SHIPPED VIA <i>SA 504</i>	2 LOCATION		CODE
WELL TYPE <i>01</i>		WELL CATEGORY <i>01</i>	3 LOCATION		CODE
WELL PERMIT NO.		DELIVERED TO <i>Lic</i>	REFERRAL LOCATION		
TYPE AND PURPOSE OF JOB <i>035</i>		ORDER NO. <i>B-573305</i>			

In consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists, services 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 original account. These terms and conditions shall be governed by the laws of the state whose services or equipment or materials are furnished.

Halliburton warrants only that the materials, supplies and workmanship that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATE PRECEDING SENTENCE. Halliburton's liability and acceptance is hereby limited to the extent of repair or replacement of such products, supplies or materials or their return at Halliburton's option, at Halliburton's expense, to the extent of the cost of such items. In no event shall Halliburton be liable for special, incidental, or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
060-117				MILEAGE	25	MILES	1	TRK	2.60	65.00
201-016				PUMP CHARGE	4039	GT	4	HS		1300.00
030-016				TOP AUG	1	EA	5/8	IN		50.00
018-317				SUPPL. BUSH	12	SKS	500	GAZ	87.50	1044.00
12-A	825-205			FOUR 5HOS	1	GA	5/2	IN		105.00
24-A	815-19251			T. POWER 5/2 - 1/2						

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THE CORPORATION SERVICE

MAR 20 1992

JOB LOG

CUSTOMER MACH Petroleum

PAGE NO.

FORM 2013 R-2

JOB TYPE S.L.S.

ORIGINAL

DATE 11-14-91

CHART NO.	TIME	RATE (EPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TOBINS	CASING	
0500	0555							Call out Reel @ 0400 - 11-14-91
	0500							On Log - Set up - Rig PAVING DRILL PIPE
	0530							DRILL PIPE out of HOLE
	0709							Rig up to Run 5 1/2" CASING - START CIRC. TO CASING IN HOLE - DRIP BALL -
	0718							HOPE TO RIG AND PUMP
	0800							START CIRCULATION
								FINISH CIRCULATION
								HOPE TO MUDLOG
								Comment as follows:
	0810	5.0	5.0	-	-		200	Pump Fresh New Slurry
		5.0	12.0	-	-		250	Pump Slurry
		5.0	5.0	-	-		250	Pump Fresh New Slurry
	0818	5.4	0	-	-		350	START ADDING CEMENT
	0835	5.4	18.4	-	-		350	FINISH ADDING CEMENT
								WASH OUT BORED LINES
								RELEASE RIG
	0838	6.8	0	-	-		200	START DISPLACEMENT
	0842	6.8	95.4	-	-		100	Rig Down 700 - 7:1300
	0900	2.0	2.3	-	-			Plug for HOLE 15 SKS
	0910	2.0	2.0	-	-			Plug non-removable 10 SKS
	0935							Job Complete
								NOTE: BORED CASING WASHED OUT AND DISPLACEMENT RIG WITHIN 5 FEET OF BOTTOM
								Thank you
								Call again
								Doug
								RECEIVED
								NOV 20 1991

CUSTOMER