

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

API NO. 15- 025-21,079-00-00
County Clark ORIGINAL

Sec. 15 Twp. 34 Rge. 22 X NW SE SE

Operator: License # 5652

990 Feet from SW (circle one) Line of Section

990 Feet from EW (circle one) Line of Section

Name: Mustang Oil & Gas Corp.

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

Address 107 N. Market

Suite #703

Lease Name Arnold Well # 1-15

City/State/Zip Wichita, KS 67202

Field Name Snake Creek

Purchaser: NA

Producing Formation NA

Operator Contact Person: Stan Brady

Elevation: Ground 1841' KB 1847'

Phone (316) 267-8011

Total Depth 5574' PBDT NA

Contractor: Name: Brandt Drilling Co.

Amount of Surface Pipe Set and Cemented at 745' Feet

License: 5840'

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: Terry McLeod

If yes, show depth set Feet

Designate Type of Completion
X New Well Re-Entry Workover

If Alternate II completion, cement circulated from

Oil SWD SIOW Temp. Abd.
Gas ENHR SIGW
X Dry Other (Core, WSW, Expl., Cathodic, etc)

feet depth to w/ sx cmt.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) *11-1-2 D+D*

Operator:

Chloride content 7000 ppm Fluid volume 8000 bbls

Well Name:

Dewatering method used Evaporation

Comp. Date Old Total Depth

Location of fluid disposal if hauled offsite:

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBDT
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

Operator Name

5-10-92 5-23-92 NA

Lease Name License No.

Spud Date Date Reached TD Completion Date

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.

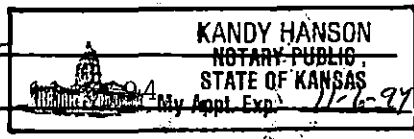
Signature Stan Brady - *Stan Brady*

Title Vice President Date 6-12-92

Subscribed and sworn to before me this 12th day of June 19 92.

Notary Public *Kandy Hanson*
Kandy Hanson

Date Commission Expires 11-6-94



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD
KGS P
RECEIVED
STATE CORPORATION COMMISSION
JUN 15 1992
ACO-1 (7-91)

SIDE TWO

Operator Name Mustang Oil & Gas Corp. Lease Name Arnold Well # 1-15

Sec. 15 Twp. 34S Rge. 22 East West
 County Clark

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 Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	4251'	-2404'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	4267'	-2420'
List All E.Logs Run:		Lansing	4452'	-2605'
Dual Induction		B/KC	5044'	-3197'
Comp/Neutron Density		Marmaton	5064'	-3217'
		Cherokee	5235'	-3388'
		Morrow Shale	5412'	-3565'
		Morrow Sand	5436'	-3586'
		Mississippi	5451'	-3604'
		RTD	5575'	-3728'

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
Conductor	26"	20"	65.60#	75'	60/40 poz.	175	2% gel 3% cc
Surface	12-1/4"	8-5/8"	24#	745'	60/40 poz	295	2% gel 3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

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

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

ALLIED CEMENTING CO., INC.

No 3229

ORIGINAL

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	5-11-92	Sec.	15	Twp.	34	Range	22	Called Out	3:00 AM	On Location	6:35 AM	Job Start	7:15 AM	Finish	7:45 AM
Lease	Arnold	Well No.	1-15	Location	Ashland - W side - 6.5 - 4 1/2 E - 25 th				County	CLARK	State	KS			
Contractor	Brandt		Delg.												
Type Job	Conductor														
Hole Size	30"		T.D.		75'										
Csg.	20"		Depth		75'										
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	12'		Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace		23 bbls										
Perf.															

Owner *SAME*
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To *Mustang Drilling*
 Street *90 V Box 1609*
 City *Great Bend State Ko. 67530*
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X *M. J. Furman*
CEMENT

EQUIPMENT

No.	Cementer	<i>Jack W.</i>
Pumptrk <i>63</i>	Helper	<i>Kent R.</i>
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Jack</i>
Bulktrk <i>179</i>	Driver	

Amount Ordered	<i>225 sy of 60/40 3+2 (used 175 sy)</i>		
Consisting of			
Common	<i>105</i>	<i>5.25</i>	<i>551.25</i>
Poz. Mix	<i>70</i>	<i>2.25</i>	<i>157.50</i>
Gel.	<i>4</i>	<i>6.75</i>	<i>NIC.</i>
Chloride	<i>5</i>	<i>21.00</i>	<i>105.00</i>
Quickset			

DEPTH of Job		
Reference:	<i>Pump truck</i>	<i>380.00</i>
	<i>70 Mileage</i>	<i>140.00</i>
	Sub-Total	
	Tax	
	Total	<i>520.00</i>

Handling	<i>225</i>	<i>1.00</i>	<i>225.00</i>
Mileage	<i>70</i>		<i>630.00</i>
		Sub-Total	
		Total	<i>1668.75</i>

Floating Equipment
TOTAL \$ 2188.75
Disc- 437.75
\$ 1751.00

Remarks: *Hooked up to 2" collar welded to 20" csg. pumped 8 bbls of fresh water - 175 sy of cement - displaced with 23 bbls of fresh water - cement did circ hole stayed full*

Thanks Jack Weinst

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 16 1992
 CONSERVATION DIVISION
 Wichita, Kansas

ALLIED CEMENTING CO., INC.

No. 3230

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
5-12-92	15	34	22	8:00 pm	12:00 midnight	11:45 Am	1:00 pm
Lease Arnold	Well No. 1-15	Location Arkland-65-42 E-25 in to		County Clark	State KS		

Contractor <i>Beandt Drg.</i>	Owner <i>Same</i>
Type Job <i>Surface Pipe</i>	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Hole Size	T.D. <i>756</i>
Csg. <i>8 5/8</i>	Depth
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>40'</i>	Shoe Joint
Press Max. <i>100 lbs</i>	Minimum
Meas Line	Displace
Perf.	

Charge To <i>Mustang Oil & Gas</i>
Street <i>PO Box 1609</i>
City <i>Great Bend</i> State <i>Ks.</i> <i>67530</i>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No.
<i>X Robert Marshall</i>

EQUIPMENT			
Pumptrk	No. <i>63</i>	Cementer <i>Jack W</i>	Helper <i>Cary</i>
Pumptrk	No.	Cementer	Helper
Bulktrk	<i>179</i>	Driver	<i>Jack S</i>
Bulktrk		Driver	

Amount Ordered <i>325</i>	CEMENT	<i>Used</i>
<i>325</i>	<i>325</i>	<i>295 skt</i>
Consisting of:		
Common <i>177</i>	<i>5.25</i>	<i>929.25</i>
Poz. Mix <i>118</i>	<i>2.25</i>	<i>265.50</i>
Gel. <i>6</i>	<i>6.75</i>	<i>NIC</i>
Chloride <i>9</i>	<i>21.00</i>	<i>189.00</i>
Quickset		
Handling <i>325</i>	<i>1.00</i>	<i>325.00</i>
Mileage <i>70</i>		<i>940.00</i>

DEPTH of Job		
Reference:	<i>Pump truck</i>	<i>380.00</i>
<i>70</i>	<i>Mileage</i>	<i>140.00</i>
<i>1-</i>	<i>8 5/8 Water Surface Plug</i>	<i>42.00</i>
	<i>456' at .39</i>	<i>177.84</i>
	Total	739.84

Sub-Total	<i>2618.75</i>
Total	<i>2618.75</i>
Floating Equipment	
<i>1- 8 5/8 Barrel Plate</i>	<i>- 30.00</i>
<i>1- 8 5/8 Basket</i>	<i>- 180.00</i>
	<i>\$ 210.00</i>

Remarks: *Last core @ 205' - Day drilled to 756 - Ran 17 jts & 8 5/8 - landing joint hooked up with 1/2" & pumped 175 sk - Released plug & displaced to barrel plate with fresh water disconnect & filled top 26 1/2" sk of cement - hole stayed full.*

THANKS Jack Weirath

Total \$ *3568.59*

Disc - *713.72*

*11:45 to 12:35
12:45 to 1:00*

THANKS

\$ 2854.87

RECEIVED
CONSERVATION DIVISION
KANSAS
MAY 14 1992
P.O. Box 1609
Great Bend, Kansas

HALLIBURTON SERVICES

Duncan, Oklahoma 73536

A Division of Halliburton Company

TICKET

NO. 214881-7

ORIGINAL

1906 R-11

WELL NO. - FARM OR LEASE NAME <i>115 Arnold</i>		COUNTY <i>CLARK</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>5-23-90</i>
CHARGE TO <i>MUSTANG OIL & GAS</i>		OWNER <i>Same</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>BOHART DRILL</i>	1 LOCATION <i>POINT KS</i>		CODE <i>2000</i>
CITY, STATE, ZIP		SHIPPED VIA <i>50120</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	2 LOCATION	CODE
WELL TYPE <i>oil</i>	WELL CATEGORY <i>Sh. Abandoned</i>	WELL PERMIT NO. B- <i>117853</i>	DELIVERED TO <i>LOCATION</i>	3 LOCATION	CODE
TYPE AND PURPOSE OF JOB <i>115 PLUG TO ABANDON</i>		ORDER NO.	REFERRAL LOCATION		

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

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 FOR A PARTICULAR PURPOSE 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, product liability, 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.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
<i>000417</i>		<i>1</i>		<i>MILEAGE</i>	<i>87</i>	<i>mi</i>			<i>260</i>	<i>226</i>	<i>21</i>
<i>000710</i>		<i>1</i>		<i>PUMP CHARGE</i>	<i>2</i>	<i>HRS</i>			<i>195.00</i>	<i>395</i>	<i>00</i>

NOT THIS IS AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-** *117853*

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X *MELVIN J. FREEMAN*
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X *Melvin J. Freeman*
CUSTOMER OR HIS AGENT (SIGNATURE)

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.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

RECEIVED STATE CORPORATION COMMISSION
JUN 16 1990
1854
20
SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.
CONSERVATION DIVISION
Wichita, Kansas

**WORK ORDER CONTRACT
 AND PRE-TREATMENT DATA**

ORIGINAL

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 214881

DISTRICT PRATT, KS DATE 5-23-92

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

WELL NO. 1-11 LEASE ARUNDA SEC. _____ TWP. _____ RANGE _____

FIELD _____ COUNTY SENECA STATE KS OWNED BY _____

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							SHOTS/FT.
INITIAL PROD:	OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF _____						
PRESENT PROD:	OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF _____						
CASING		<u>11</u>	<u>23'</u>	<u>8 1/2"</u>	<u>AG</u>	<u>750'</u>	
LINER							
TUBING							
OPEN HOLE							
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Plug in annulus with 115 lbs water per 100 ft GOR
(Pressure control to 500 psi)

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.
- c) 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.
- d) 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.
- e) 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 or 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.
- f) 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.
- g) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- h) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- i) 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 5-23-92
 TIME 1:01 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

STATE CORPORATIONS COMMISSION
 JUN 16 1992
 CONSERVATION DIVISION
 Wichita, Kansas

WELL DATA

FIELD 5577 SEC. _____ TWP. _____ RNG. _____ COUNTY CLARK STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 5577

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>W</u>	<u>35</u>	<u>4 1/2</u>	<u>159</u>	<u>750</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>5-22-92</u>	<u>5-22-92</u>	<u>5-22-92</u>	<u>5-22-92</u>
TIME <u>1100</u>	TIME <u>1400</u>	TIME <u>1456</u>	TIME <u>1545</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>E. DUTON</u>	<u>23523</u>	<u>PORT</u>
<u>E. DUTON</u>	<u>8664</u>	<u>KS</u>
<u>R. PARKER</u>	<u>1192 / 1000</u>	<u>1501</u>

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 _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB _____

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE XMP Freeman

HALLIBURTON OPERATOR JH

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>125</u>	<u>4/64 P&S</u>	<u>1000</u>	<u>0</u>	<u>6/50</u>	<u>1.53</u>	<u>13.2</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

PRESLUSH: BBL-GAL _____ TYPE _____

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

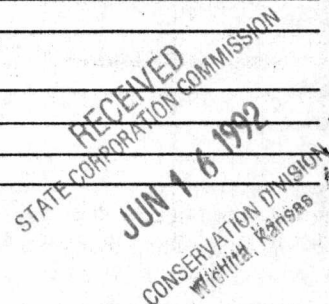
TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____

CEMENT SLURRY: BBL-GAL 340

TOTAL VOLUME: BBL-GAL _____

VOLUMES

REMARKS



CUSTOMER: 11111
DATE: 5-22-92
WELL NO: 1-11
JOB TYPE: 2-1

JOB LOG

WELL NO. 1-16 LEASE Mount TICKET NO. 21151

CUSTOMER MUSTANG OIL CO. PAGE NO. 1

JOB TYPE PTA DATE 5-28-92

FORM 2013 R-2

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1105							JOB READY 1105
	1150							CHECK OUT FOR 335
	1430							PUMP TRUCK & DRILL TRUCK ON SITE R.G. RUNNING IN DRILL PIPE SET A PUMP TRUCK
	1458	1	12.5	✓		120		SPOT A SACK PLUS AT 760' pull D.P. TO 335'
		6.0	10.5	✓		100		SPOT A 40 SPS PLUS AT 335' BY DOWN REST OF D.P.
	1545	3.0						MIX 10 SPS FOR 40' TOP PLUS CIRCULATE TO SURFACE
	1550							MIX 15 SPS FOR R-11
	1600							MIX 10 SPS FOR R-11

CUSTOMER

RECEIVED
STATE CORPORATION COMMISSION
JUN 16 1992
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

sh drk med gry

ls. tan. fn-xln. sl. foss.
MOSTLY tight - NO VIS. q
SHLY.

ls. Gray-tan. brn. fn-xln. sl. foss
mostly tight, sl. chcy N.S.

sh blk. Gry

ls. TAN-BRN MOSTLY DSE
NO VIS. q. N.S. SHI CHKY.

SH-LT-DRK GRN

SH-LT-DRK GRN GRN.

ls. TAN-BRN - DSE, NV q N.S

SH-DRK GRN.

fr ls 5, DRK GRN sh.

ls. tan-brn, dse, NO VIS. q. N.S.
tight. Hrd.

sh. gry - drk gry - grn
fr ls. tan-brn, fn-xln. N.S.

sh. med to drk gry-grn

ls. tan-wh. fn-xln. sl. Silty
No shows. shly

sh. gry-grn

ls. tan. fn-xln. shly N.S.

small amt of s.s. cl. ang
clusters, cal cem w/ S.F.O when
brkn. Spt'd Floor, V-PR odor.

ls. tan. fn-xln (from DST)
sh med-drk Gry fr s.s.
TE F.O. - No odor. Spt'd Floor

s.s. cl. - ang clusters, med
grnd stn. CAL cem, QIMC scz
pr stn. VSS FO. No odor
and ls as above

ls. tan. fn-xln. sl. ool & foss.
mostly tight. pr ool-foss p.
N.S.

ls. tan. fn-xln. Some sl. Org
tight NO VIS. q.

shly

ls. tan. H. brn. fn-xln. Some
sdy-ls. N.S.

ls. tan. fn-xln. tight. V-SL
foss. N.S. v. shly

sh. med-drk gry-grn

ls. tan. H. brn. fn-xln. tight
NV q. N.S.

ls. tan. wh. fn-xln. w/fr
drk dead stn on 3-4 pieces
w/ pr-xln. q. No like air.
No odor TE Floor

DRILL STEM TEST
NO. 1

5359' TO 5450'

WK Blow Both opens

30" 30" 30" 30"

T = 121"

Recovered 30' mud

SIP 106# / 106#

FP 86# / 86#

20 UNIT HICK

12 UNITS

MORROW SHALE
5413 (-3566)

MORROW SAND
5432 (-3591)

MISSISSIPPI
5451 -3604

CRACK STOP

BRAKES WET

90'

5400

5500

30

40

50

60

70

80

90

10

20

30

40

50

60

70

80

90

10

20

30

40