

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

Operator: License # 5171
Name TXO Production Corp.
Address 155 N. Market, Suite 1000
City/State/Zip Wichita, Kansas 67202

Purchaser Purchaser not yet determined

Operator Contact Person Doug Clark
Phone 316 269-7600

Contractor: License # 5107
Name H-30 Drilling Company

Wellsite Geologist Doug Clark
Phone 316 269-7600

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

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

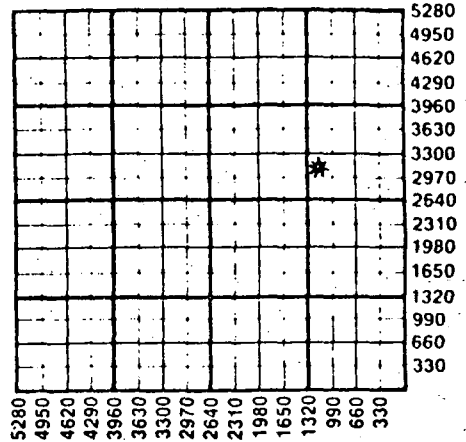
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
3-28-87 4-1-87 4-22-87
Spud Date Date Reached TD Completion Date
3780' 1481'
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 8-5/8" @ 265' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated N/A
from feet depth to w/SX cmt
Cement Company Name
Invoice #

API NO. 15-077-21-151-00-00
County Harper
S/2 S/2 NE Sec. 5 Twp. 35S Rge. 6 East XX West
3035 Ft North from Southeast Corner of Section
1100 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name TAGUE Well # 1
Field Name Undesignated P.M.
Producing Formation Herington
Elevation: Ground 1312' KB 1317'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water 2970 Ft North from Southeast Corner (Stream, pond etc) 1320 Ft West from Southeast Corner Sec 5 Twp 35S Rge 6 East X West
 Other (explain) (purchased from city, R.W.D. #)

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. 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 Doug Clark
Title District Geologist Date 5-14-87

Subscribed and sworn to before me this 15th day of May 1987
Notary Public Stephanie R. Stuber
Date Commission Expires 8-31-88



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
RECEIVED (Specify)
STATE CORPORATION COMMISSION
MAY 27 1987
Form ACO-1 (5-86)

Sec 5 Twp 35S Rge 6 East

Operator Name TXO Production Corp. Lease Name Tague Well # 1

Sec. 5 Twp. 35S Rge. 6 East West County Harper

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
LOG TOPS		
Herington	1398	- 81
Elgin SS	3198	-1881
Heebner	3322	-2005
Toronto	3346	-2029
Iatan	3684	-2367
Stalnaker	3722	-2405
RTD	3780	
LTD	3775	

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#	265'	Liteweight	100	3% CaCl ₂
Production	7-7/8"	4-1/2"	10.5# B-Cond	1495'	Common	75	3% CaCl ₂ , 2% gel
					.2% KCl	40 bbjs	
					KB. Thixotropic 100		

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 JSPE	Herington (1428-36')		1428-36'

TUBING RECORD Size Set At Packer at Liner Run Yes No
 N/A

Date of First Production Producing Method
 SIGW N/A Flowing Pumping Gas Lift Other (explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas MCFD MCF	Water Bbls	Gas-Oil Ratio	Gravity
	N/A	153	N/A		CFPB

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify) 1428-36' Herington
 Dually Completed Commingled



A DIVISION OF HALLIBURTON COMPANY

TICKET

NO 082011-6

FORM 1906 R9

PAGE 1 OF 2 PAGES

WELL NO. - FARM OR LEASE NAME 1 TAGUE		COUNTY HARPER	STATE KS	CITY/OFFSHORE LOCATION	DATE 3-28-87
CHARGE TO TXO		OWNER Smith	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 H-30 DRILLING	LOCATION 1 PATT #5		CODE 50355-
CITY, STATE, ZIP		SHIPPED VIA 50120	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		CODE 50325-
DUNCAN USE ONLY		DELIVERED TO Location	LOCATION 2 WINFIELD, KS		CODE 50325-
		ORDER NO.	REFERRAL LOCATION 3		CODE
WELL TYPE 21		WELL CATEGORY 01		WELL PERMIT NO.	
TYPE AND PURPOSE OF JOB 010 - 8 1/2 SURFACE		B-657115			

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 IMMEDIATE PRECEDING SENTENCE. Halliburton's liability and customer's 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			
000-117		1		MILEAGE	57	MILES	1	TRK	2.10	119	70
001-016		1		PROP CHARGE	0.300	FT	8	HRS		375	00
030-503		1		TOP PLUG L&L	1	EA	8 1/2	HA		54	00

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-657115

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X AW F
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X AW F
CUSTOMER OR HIS AGENT (SIGNATURE)

TAX REFERENCES		SUB TOTAL	
_____	_____	TAX	_____
_____	_____	TAX	_____
_____	_____	TAX	_____
_____	_____	TOTAL	_____

Doug Begler
HALLIBURTON OPERATOR

CUSTOMER

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.

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY HALLER 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 270' TOTAL CSG TOTAL DEPTH _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-23-87</u>	DATE <u>3-25-87</u>	DATE <u>3-29-87</u>	DATE <u>3-29-87</u>
TIME <u>05:200</u>	TIME <u>2230</u>	TIME <u>0208</u>	TIME <u>0250</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>L 311</u>	<u>5 1/8</u>	<u>1 Howco</u>
HEAD <u>P.C</u>	<u>8 1/8</u>	<u>1 Howco</u>
PACKER		
OTHER		

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. _____

PERF PAC BALLS TYPE _____ QTY. _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
D. BIGLER C1690	<u>Pickup 35907</u>	<u>Pratt KS</u>
D. Ball B6633	<u>80 PTAR 50120</u>	<u>Pratt KS</u>
<u>CAPEHART 36481</u>	<u>BULK</u>	<u>Winfield KS</u>

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 5 1/8 Casub

JOB DONE THRU: TUBING CASING ANNULUS TBO./ANN.

CUSTOMER REPRESENTATIVE X. Allen

HALLIBURTON OPERATOR Doug Sigler COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK PACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>100</u>	<u>LITE</u>		<u>Howco B</u>		<u>3% CEL</u>	<u>1.69</u>	<u>13.1</u>
	<u>7.5</u>	<u>STANDARD</u>		<u>Howco B</u>		<u>2% CEL - 3% CEL</u>	<u>1.36</u>	<u>14.7</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH: EBL-GAL. 4 TYPE H2O

BREAKDOWN _____ MAXIMUM _____ LOAD & SKDN: EBL-GAL. _____ PADI EBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: EBL-GAL. _____ DISPL: EBL-GAL. 16.2

SHUT-IN: INSTANT _____ 5-MIN. _____ CEMENT SLURRY: EBL-GAL. 30 + 18 = 48

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: EBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 15 REASON BY REQUEST

REMARKS SEE JOB LOG
THANKS
DOUG

CUSTOMER
LEAVE
TA GIVE
WELL NO
JOB TYPE
DATE 3-29-87



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-4

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

ATTACH TO INVOICE & TICKET NO. 282011

DISTRICT PLATE KS

DATE 3-28-87

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: TXO (CUSTOMER)

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

WELL NO. 1 LEASE TAGUE SEC. _____ TWP. _____ RANGE _____

FIELD _____ COUNTY Harper STATE KS OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH 269 MUD WEIGHT _____

BORE HOLE 12 1/4

INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

PREVIOUS TREATMENT: DATE _____ TYPE _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>24</u>	<u>8 1/2</u>	<u>KS</u>	<u>270</u>	
LINER						
TUBING						
OPEN HOLE						
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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

CEMENT CASING WITH 100 SK UNDER LIFE CONTAINING 30% CC
TAH CEMENT WITH 75 SK SENSORED CONTAINING 2% GEL - 30% CC

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 lists.
 - (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
 - (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
 - (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
 - (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
 - (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
 - (g) 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.
 - (h) 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 accuracy of any chart in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
 - (i) 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 in 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.
 - (j) 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.
 - (k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
 - (l) 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 3-28-87 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

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1 LEASE TRIGUE TICKET NO. 082011
 CUSTOMER TRIGUE PAGE NO. _____
 JOB TYPE 5 1/2 SURFACE DATE 3-25-87

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							CALLED OUT READY NOW
	2230							ON LOCATION - SET UP
	2245							HOLE MADE - CIRCULATE -
	2345							START DRILL DRILL PIPE OUT OF HOLE
	2355							DRILL PIPE OUT
	0010							START IN HOLE WITH CASING
	0055							CASING IN HOLE
								HOOK TO MUD PUMP
	0100							BREAK CIRCULATION
								WAIT ON BULK TRUCK (UNIFIELD)
	0150							BULK TRUCK ON LOC
								CEMENT AS FOLLOWS:
	0208	2	11	✓	✓	200		PUMP H ₂ O SPACER AHEAD
	0211	4.8	0	✓	✓	200		START MIXING CEMENT (LITE)
	0221	4.8	48	✓	✓	200		FINISH MIXING (STANDARD)
								RELEASE PLUG
	0223	4	0	✓	✓	200		START DISPLACEMENT
	0229	4	16.2	✓	✓	250		PLUG DOWN
								GOOD RETURN ON CEMENT
	0250							JOB COMPLETE
								THANK YOU
								CALL AGAIN
								DOUG

CUSTOMER



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 082011

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

DATE 3-28-87	CUSTOMER ORDER NO.	WELL NO. AND FARM 1 TAGUE	COUNTY	STATE KANSAS
CHARGE TO TXO		OWNER SAME	CONTRACTOR H 30	No. B 657115
MAILING ADDRESS RR 1 Box 125 B		DELIVERED FROM WINFIELD	LOCATION CODE 50375	PREPARED BY Capehart
CITY & STATE Medicine Lodge KS 67104		DELIVERED TO Loc	TRUCK NO.	RECEIVED BY BIGLER

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-316				Halliburton Light Cement	100	sks			4.82	482	00
509-406				Calcium Chloride M/ 3%	3	sks			25.75	77	25
504-308				Standard Cement	75	sks			5.30	397.50	
507-777				Halliburton Gel m/ 2%	75	cu ft			3.37	27	75
509-406				Calcium Chloride M/ 3%	2	sks			25.75	51	50
Returned Mileage Charge					TOTAL WEIGHT		LOADED MILES		TON MILES		
SERVICE CHARGE ON MATERIALS RETURNED							CU. FEET				
500-207				SERVICE CHARGE					.95	175	75
500-306				Mileage Charge	16850				.70		
TOTAL WEIGHT					LOADED MILES		TON MILES				
No. B 657115		CARRY FORWARD TO INVOICE					SUB-TOTAL				

THIS IS NOT AN INVOICE

CUSTOMER



A DIVISION OF HALLIBURTON COMPANY

TICKET

NO. **436798** X

FORM 1906 R-10

PAGE 1 OF 2 PAGES

WELL NO. - FARM OR LEASE NAME <u>1- TAGUE</u>		COUNTY <u>Harris</u>	STATE <u>TX</u>	CITY/OFFSHORE LOCATION	DATE <u>4-2-87</u>
CHARGE TO <u>TEXAS OIL & GAS</u>		OWNER <u>Same</u>		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS		CONTRACTOR <u>H-30</u>		LOCATION <u>1 PONT TX</u>	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
CITY, STATE, ZIP		SHIPPED VIA <u>2570</u>		LOCATION <u>2 GT PONT TX</u>	CODE <u>5030</u>
		DELIVERED TO <u>LOCATION</u>		LOCATION <u>3</u>	CODE <u>5030</u>
		ORDER NO.		REFERRAL LOCATION	
		WELL TYPE <u>02 GAS</u>	WELL CATEGORY <u>03 Drilling</u>	WELL PERMIT NO. <u>B- 559519</u>	
		TYPE AND PURPOSE OF JOB <u>Oil Company Drilling Co</u>			

DUNCAN USE ONLY

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		
000717				MILEAGE	68	mi			2.10	142.80
001016				Pump CHANGE	1477	FT			275	325.00
001015				500 TAP RING	1	EA	43	IN	3.00	31.00
29A	815.17101			TURBINE PUMP	1	EA	43	IN	67.00	67.00
27	805.17413			FILL UP RING	1	EA	1/4	IN	2250	225.00
40	801.71002			S-3 CONTROLLER	4	EA	43	IN	41.00	164.00
300	800.8887			CONCRETE BASKET	2	EA	43	IN	85.00	170.00
314-153				REPAIRING HOSE	300	FT			-170	51.00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B- 559519**

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Allen S. D. W.
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X [Signature]
CUSTOMER OR HIS AGENT (SIGNATURE)

TAX REFERENCES

SUB TOTAL	2112.12
TAX	
TAX	
TAX	
TOTAL	1,081.82

HALLIBURTON OPERATOR
[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.

HALLIBURTON APPROVAL

CUSTOMER



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-4 A Division of Halliburton Company DUNCAN, OKLAHOMA 73536

ATTACH TO INVOICE & TICKET NO. 431778

DISTRICT PLATT KS

DATE 4-2-87

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

WELL NO. 1 LEASE TIGHE SEC. 5 TWP. 35 S RANGE 6 W

FIELD _____ COUNTY Harmon 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 BPD, MCF							
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS BPD, MCF							
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CONDUIT 4" PRODUCTION CASING WITH 100 SPS THING TROPIC CONDUIT (PREVIOUS 4" ALL W/ SPS)

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- As consideration, the above-named Customer agrees:
- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
 - (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer); unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
 - (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
 - (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
 - (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
 - (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
 - (g) 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, Halliburton 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.
 - (h) 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 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 responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
 - (i) 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.
 - (j) 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.
 - (k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
 - (l) 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 _____ CUSTOMER
DATE 4-2-87

TIME 1:15 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



JOB SUMMARY

HALLIBURTON DIVISION Wichita KS
 HALLIBURTON LOCATION Pratt, KS

BILLED ON TICKET NO. 426799

WELL DATA

FIELD _____ SEC. 5 TWP. 35 RNG. 6 W COUNTY Wichita 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 3770'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>12</u>	<u>12.5</u>	<u>4 1/2</u>	<u>KB</u>	<u>1497</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>5.3</u> <u>4 1/2</u>	<u>4</u>	<u>Houma</u>
BOTTOM PLUG		
TOP PLUG <u>5 W</u> <u>4 1/2</u>	<u>1</u>	<u>" "</u>
HEAD <u>ROTATING</u> <u>4 1/2</u>	<u>1</u>	<u>" "</u>
SACKS <u>COIT RESIST</u> <u>4 1/2</u>	<u>2</u>	<u>" "</u>
OTHER <u>INSERT FLOAT</u> <u>4 1/2</u>	<u>1</u>	<u>" "</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-2-87</u>	DATE <u>4-2-87</u>	DATE <u>4-2-87</u>	DATE <u>4-2-87</u>
TIME <u>1130</u>	TIME <u>1515</u>	TIME <u>1655</u>	TIME <u>1715</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Woodrow</u> <u>62523</u>	<u>174</u>	<u>PRATT</u>
<u>F. Snyder</u> <u>86615</u>	<u>2590</u>	<u>" "</u>
<u>K. Cordley</u>	<u>7404/BULK</u>	<u>ST. BEND</u>
	<u>18296</u>	<u>KS</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

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

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 45 PRODUCTION CASING

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X. O'Connell

HALLIBURTON OPERATOR John Woodrow COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>100</u>	<u>MIXED</u>		<u>HOUMA</u>	<u>B</u>	<u>4% CEL 10% CAL-SOL</u>	<u>1.11</u>	<u>144</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

SUMMARY

PRESLUSH: SBL-GAL. 40 BBL'S TYPE 2A KCL

LOAD & BKDN: SBL-GAL. _____ FAD: SBL-GAL. _____

TREATMENT: SBL-GAL. _____ DISPLI SBL-GAL. 23.5 BBL'S

CEMENT SLURRY: SBL-GAL. 28.6 BBL'S

TOTAL VOLUME: SBL-GAL. _____

VOLUMES

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 14 REASON INSERT FLOAT

REMARKS

CUSTOMER: T X O
LEAD: JACUE
BILL NO: 426799
JOB TYPE: 426799
DATE: 4-2-87

HALLIBURTON SERVICES JOB LOG

WELL NO. 1 LEASE TAGUE TICKET NO. 436798

CUSTOMER TXO PAGE NO. _____

JOB TYPE Drill 4" CSG DATE 4-2-87

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							JOB READY
	1630							CALLED OUT FOR JOB
	1515							PUMP TRUCK ON LOCATION
	1520							RIG OUT OF HALL WITH DRILL PIPE
								SET UP PUMP TRUCK
								RIG UP TO RUN 4" CSG
	1600							START RUNNING 4" CSG + FIT EQUIP
	1545							PUMP TRUCK ON LOCATION
	1635							CASING ON BOTTOM 1497'
								HOOK UP PIPE + CIRCULATING IRON
	1640							START CIRCULATING WITH RIG PUMP
	1655							THROUGH CIRCULATING
	1656	6	40000		✓			HOOK UP TO PUMP TRUCK
								START PUMPING 40 PPM 24,000
								PRE FLUSH
	1700	7			✓	250		START MIXING CEMENT
	1706		28000			0		THROUGH MIXING CEMENT
	1707							WASH OUT PUMP LINES
	1708							RELEASE PLUG
	1709					0		START DISPENSING
	1715		73 PPM			1200		PLUG DOWN
								RELEASE FLOAT
								FLOAT SET
								Had good mud circulated

CUSTOMER

