

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

ORIGINAL

API NO. 15- 175-21,208-0000

County Seward

E2 - SW - SW Sec. 36 Twp. 32 Rge. 24 X ^E_W

660 Feet from (S)N (circle one) Line of Section

4080 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 Dutton Well # 1-36

Field Name Hitch

Producing Formation Morrow Sand

Elevation: Ground 2885' KB 2895'

Total Depth 5908' PBTD 5830'

Amount of Surface Pipe Set and Cemented at 1635 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) AITP

Chloride content 2000 ppm Fluid volume 35,600 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name 6-11-92

Lease Name RECEIVED License No. _____

STATE CORPORATION COMMISSION
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County JUN 11 1992 Docket No. _____

Operator: License # 3122

Name: Vintage Petroleum, Inc.

Address 4200 One Williams Center

Tulsa, Oklahoma 74172

City/State/Zip _____

Purchaser: _____

Operator Contact Person: Leann Ogee

Phone (918) 592-0101

Contractor: Name: Norseman Drilling

License: N/A

Wellsite Geologist: N/A

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SOW 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 PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10-23-91 11-2-91 1-29-92
Spud Date Date Reached TD Completion Date

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 Leann Ogee
Title Supervisor, Regulatory Affairs Date 6/9/92

Subscribed and sworn to before me this 9 day of June, 1992.

Notary Public Kimberly L. Roper

Date Commission Expires 12-8-95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
G Geologist Report Received

KCC Distribution
KGS SWD/Rep NGPA
 Plug Other
(Specify)

Operator Name Vintage Petroleum, Inc. Vintage Petroleum Name Dutton Well # 1-36

Sec. 36 Twp. 32 Rge. 34 East West County Seward

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, CNL-FDC, MIL

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Marmaton	5020	-2125
Cherokee	5214	-2319
Atoka	5424	-2529
Morrow	5596	-2701
Chester	5872	-2977

CASING RECORD <input type="checkbox"/> New <input 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	1635	Class H	820	2% CaCl ₂
Production	12 1/4	4 1/2	10.5	5883	Premium	500	35% Thixset 2% Fix II

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				N/A

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	Morrow 5627-57	CIPP CIBP @ 5768'	Frac w/24000 gal 70% CO ₂
			Foam plus 40800 #20/40 SAND	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8	5567	5567		
Date of First, Resumed Production, SWD or Inj.		Producing Method		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
11-17-91						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	15	1654	0	110	46 ^o	

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

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

Production Interval: 5627-57



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
186836	11/04/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
DUTTON 1-36		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	TICKET DATE
LIBERAL		NORSEMAN #1		CEMENT PRODUCTION CASING	11/04/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
927061	CURTIS WINCHESTER			COMPANY TRUCK	25224

VINTAGE PETROLEUM INC
4200 ONE WILLIAMS CENTER
TULSA, OK 74172

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	20	MI	2.60	52.00
		1	UNT		
001-016	CEMENTING CASING	5883	FT	1,520.00	1,520.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	4 1/2	IN	35.00	35.00
		1	EA		
4A	FLOAT COLLAR-SSII-4-1/2 8RD	1	EA	198.00	198.00
836.00300					
5A	FLOAT SHOE-SSII-4-1/2 8RD	1	EA	168.00	168.00
837.00300					
40	CENTRALIZER 4-1/2" MODEL S-4	10	EA	43.00	430.00
807.93004					
66	FASGRIP LIMIT CLAMP 4 1/2"	1	EA	9.60	9.60
807.64021					
350	HALLIBURTON WELD-A	1	LB	11.50	11.50
890.10802					
018-317	SUPER FLUSH	10	SK	87.00	870.00
218-738	CLAYFIX II	8	GAL	20.00	160.00
504-043	PREMIUM CEMENT	250	SK	6.85	1,712.50
508-100	THIXSET-31A	118	LB	9.45	1,115.10
508-102	THIXSET-31B	59	LB	8.15	480.85
508-002	POTASSIUM CHLORIDE	542	LB	.25	135.50
500-207	BULK SERVICE CHARGE	250	CFT	1.15	287.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	241.29	TMI	.80	193.03
504-043	PREMIUM CEMENT	250	SK	6.85	1,712.50
508-002	POTASSIUM CHLORIDE	550	LB	.25	137.50
508-100	THIXSET-31A	118	LB	9.45	1,115.10
507-590	DIACEL LWL	59	LB	8.00	472.00
500-207	BULK SERVICE CHARGE	250	CFT	1.15	287.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	242.27	TMI		193.82

RECEIVED
STATE CORPORATION COMMISSION

JUN 26 1992

***** CONTINUED ON NEXT PAGE *****

APPENDIX JOB TKT TERMS

INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE, UNLESS 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



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO:	DATE
186836	11/04/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
DUTTON 1-36		SEWARD		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL		NORSEMAN #1	CEMENT PRODUCTION CASING		11/04/1991	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
927061	CURTIS WINCHESTER			COMPANY TRUCK	25224	

VINTAGE PETROLEUM INC
4200 ONE WILLIAMS CENTER
TULSA, OK 74172

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	INVOICE SUBTOTAL				11,297.00
	DISCOUNT-(BID)				2,033.42-
	INVOICE BID AMOUNT				9,263.58
	*-KANSAS STATE SALES TAX				303.01
	*-SEWARD COUNTY SALES TAX				71.29
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$9,637.88

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JUN 26 1992
CONSERVATION DIVISION
Wichita, Kansas

FORM 1900-R4 AFFIX JOB TKT. TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND

HALLIBURTON SERVICES

A Division of Halliburton Company

TICKET NO. 186836-1

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME 1-36 Dutton		COUNTY Seward	STATE KS.	CITY / OFFSHORE LOCATION	DATE 10-4-91
CHARGE TO Vintage Petroleum		OWNER Same	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 Norseman #1	LOCATION 1 Liberal	CODE 25540	
CITY, STATE, ZIP		SHIPPED VIA Co Trk	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 Hugoton	CODE 25535
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO Location	LOCATION 3 Pampa	CODE 25270
TYPE AND PURPOSE OF JOB 035		B- 972119 968629	ORDER NO.	REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accordance 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 laws of the state whose 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			
000-117				MILEAGE	1	un	20	mi	2.60	52	00
001-016				Pump Charge	8	hr	5883	¢		1520	00
030-016				Swiper Top Plug	1	ea	4 1/2	in		35	00
4A	836.00300			Float Collar	1	ea	4 1/2	in		198	00
5A	837.00300			Float Shoe	1	ea	4 1/2	in		168	00
40	807.93004			Centralizers	10	ea	4 1/2	in	43.00	430	00
66	807.64021			Fessrip	1	ea	4 1/2	in		9	60
350	890.10802			Weld A	1	lb				11	50
018-317				Super Slush	10	sts			87.00	870	00
218-738				Clay Fix II	8	gal			20.00	160	00

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Pampa, Tx B- 972119
CONSERVATION DIVISION
Wichita, Kansas
3924 48
3948 42

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B- 968629

WAS JOB SATISFACTORILY COMPLETED? **YES**

WAS OPERATION OF EQUIPMENT SATISFACTORY? **YES**

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? **YES**

X **PORTIS WINCHESTER**
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **Curtis Winchester**
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.

Richard J. Fisher
HALLIBURTON OPERATOR

Cary L. Spork
FIELD OFFICE

18%

SUB TOTAL **11297.00**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 186836

DATE 11-4-91	CUSTOMER ORDER NO.	WELL NO. AND FARM DUTTON 1-36	COUNTY SEWARD	STATE KS.
CHARGE TO VINTAGE PET		OWNER SAME	CONTRACTOR No. B 972119	
MAILING ADDRESS		DELIVERED FROM PANDA PET,	LOCATION CODE 2-270	PREPARED BY MORRIS
CITY & STATE		DELIVERED TO LOC:	TRUCK NO. 75133	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.			
504-043	516.00272	1	b	PREMIUM THIXSET CEMENT	250	mk			6.85	1712	50
508-100	516.00302	1	b	THIXSET 31-A at .5%	118	lb			9.45	1115	10
508-12	516.00152	1	b	THIXSET 31-B at .25%	59	lb			8.15	480	85
508-002	70.1 302	1	b	KCL at 5% (5.2)	542	lb			.25	135	50
				Returned Mileage Charge			TOTAL WEIGHT	LOADED MILES	TON MILES		
				SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET		
500-207		1	b	SERVICE CHARGE					CU. FEET 250	1.15	287 50
500-306		1	b	Mileage Charge			24129	20	241.29	.80	193 03
No. B 972119							CARRY FORWARD TO INVOICE			SUB-TOTAL 3924 48	

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JUN 26 1992
CONSERVATION DIVISION
Wichita, Kansas

**BULK MATERIALS DELIVERY
 AND
 TICKET CONTINUATION**

FOR INVOICE AND
 TICKET NO. 186836

DATE 11-2-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Dutton 1-36	COUNTY Seward	STATE KS
CHARGE TO Vintage Petroleum		OWNER Sone	CONTRACTOR Norseman Drilg. Co.	
MAILING ADDRESS		DELIVERED FROM Kugoton	LOCATION CODE 25535	PREPARED BY Rick Rawlins
CITY & STATE		DELIVERED TO Loc. NW/Liberal, KS	TRUCK NO. 3233-5839	RECEIVED BY <i>R T</i>

No. **B 968629**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
504-040	516.00272	2	B	Premium Cement	250	sk			6.85	1712 50
508-002	70.15302	2	B	Potassium Chloride blended 5%	550	lb			.25	137 50
508-100	516.00302	2	B	Thiost 31A blended .5%	119	lb			8.40	999 20
507-590	70.155526	2	B	Diacel LXL	59	lb			6.15	362 75
507-590	70.155526	2	B	Submax 31A blended 1%	59	lb			6.15	362 75
RECEIVED STATE CORPORATION COMMISSION JUN 26 1992 CONSERVATION DIVISION Wichita, Kansas										
		Returned Mileage Charge		TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED		CU. FEET				
500-107			2 B	SERVICE CHARGE		CU. FEET	250	1.15		287 50
500-306		Mileage Charge	2 B	TOTAL WEIGHT	LOADED MILES	TON MILES		.80		193 82
No. B 968629				24227	20	242 37				
CARRY FORWARD TO INVOICE								SUB-TOTAL		3915 42

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

ATTACH TO INVOICE & TICKET NO. 186836

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT Liberal DATE 11-4-91

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

WELL NO. 1-36 LEASE Dutton SEC. 36 TWP. 32S RANGE 34W
FIELD N. Liberal COUNTY Seward STATE Ks OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH _____ MUD WEIGHT _____
BORE HOLE 7 7/8
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	N	60.5	4 1/2	K.B.	5883	
LINER						
Surface TUBING	U	24	8 9/8	K.B.	1636	
OPEN HOLE			7 7/8	1636	5908	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
cement 4 1/2" casing w/ 500 sks Thurst w/ .5% Thurst 31-A, 25% Thurst 31-B, 5% KCL
500 gallons superflush ahead of cement; displace Super top plug w/ 93 bbls. Glycol water

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

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged or destroyed, 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 which repairs, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized representative of Halliburton.

RECEIVED
STATE OF KANSAS
JUN 26 1992
CONSERVATION DIVISION
Wichita, Kansas

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 11-4-91
TIME 01:30 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.

WELL DATA
FIELD: W. Liberal SEC: 36 TWP: 32S RNG: 34W COUNTY: Seward 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: _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	10.5	4 1/2	KB	5883	
LINER TUBING	U	94	8 5/8	KB	1636	
OPEN HOLE			7 7/8	1636	5908	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>SS.</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>S.S.</u>	<u>1</u>	<u>O</u>
GUIDE SHOE		<u>W</u>
CENTRALIZERS	<u>10</u>	<u>C</u>
BOTTOM PLUG		<u>H</u> <u>O</u>
TOP PLUG	<u>1</u>	<u>O</u>
HEAD	<u>1</u>	<u>W</u>
PACKER <u>Gasgrip</u>	<u>1</u>	<u>C</u>
OTHER <u>Weld A</u>	<u>1 B.</u>	<u>O</u>

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-3-91</u>	DATE <u>11-3-91</u>	DATE <u>11-4-91</u>	DATE <u>11-4-91</u>
TIME <u>20:00</u>	TIME <u>22:30</u>	TIME <u>07:33</u>	TIME <u>08:17</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

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

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R Taylor</u>	<u>D4033</u>	<u>Liberal</u>
<u>R Edward</u>	<u>D4360</u>	<u>Liberal</u>
<u>F. Heck</u>	<u>E0984</u>	<u>Hugoton</u>
<u>D Wells</u>	<u>5825</u>	<u>Pampa Tx</u>
	<u>72133</u>	

DEPARTMENT: Cement

DESCRIPTION OF JOB: Cement 4 1/2" casing, w 500 SKs Thixset w/ 5% thixset 31-A, 25% thixset 31-B, 5% RCL, Displace Swiper Top Plug w/ 9.3 BBL water w/ 2% Clay-Gel II

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE: X Carter W... ..

HALLIBURTON OPERATOR: R Taylor

COPIES REQUESTED: _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>500</u>	<u>Thixset</u>	<u>H</u>	<u>B</u>	<u>5% thixset 31-A, 25% thixset 31-B 5% RCL</u>	<u>1.19</u>	<u>15.8</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: 42.84 REASON: Shoe Joint

SUMMARY

PRESLUSH: BBL-GAL _____ TYPE _____

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

TREATMENT: BBL-GAL _____

CEMENT SLURRY: BBL-GAL 106

TOTAL VOLUME: BBL-GAL 199

REMARKS: JUN 26 1992

See Job Log

RECEIVED 3
STATE CORPORATION COMMISSION
WICHITA, KANSAS

CUSTOMER: Village Petroleum
LEASE: Duhon
WELL NO: 1-36
JOB TYPE: 4 1/2" casing
DATE: 11-4-91

JOB LOG

WELL NO. 1-36 LEASE Dutton TICKET NO. 186836
 CUSTOMER Vintage Petroleum PAGE NO. 1
 JOB TYPE 4 1/2 Production Casing DATE 11-4-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL.) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
10-3	20:00							Called Out
	22:30							ON location, rig pulling D.P.
11-4	23:30							Start Casing, run floating equmt.
	05:00							70jt in, hookup iron, rig circulate
	05:15							Start Casing
	06:30							hook up iron, rig circulating
	07:20							hook up to bit
	07:23	6	100				200	Start Cement Flush
	07:35	6	106				200	Start Cement
	07:55						0	Shot down, wash pumps 100
	08:00						0	Drop plug
	08:00	7	40				150	Start water displacement
	08:07	7	43				400	Caught Cement
	08:13	3	10				800	Slow rate
	08:16						1000	Plug landed
	08:16						1450	pressured up
	08:17						0	released pressure, clants held
								Job Complete
								Thanks for Calling
								Halliburton
								Richard
								&
								Robert

RECEIVED
 STATE CORPORATE COMMISSION
 JUN 26 1992
 CONSERVATION DIVISION
 Wichita, Kansas