

ORIGINAL

CONFIDENTIAL

KCC

RELEASED SIDE ONE

APR 22 1992

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

MAY 20 1992

API NO. 15- 151-22,045-06-00
County Pratt
110' E of C
W/2 NW SE Sec. 3 Twp. 27 Rge. 12 X East West

CONFIDENTIAL

FROM CONFIDENTIAL

Operator: License # 5418
Name: ALLEN DRILLING COMPANY
Address 7950 E. Prentice #100
Englewood, CO 80111
City/State/Zip
Purchaser: Koch Oil Company
Operator Contact Person: DOUG HOISINGTON
Phone (303) 796-7350

1980 Ft. North from Southeast Corner of Section
2200' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

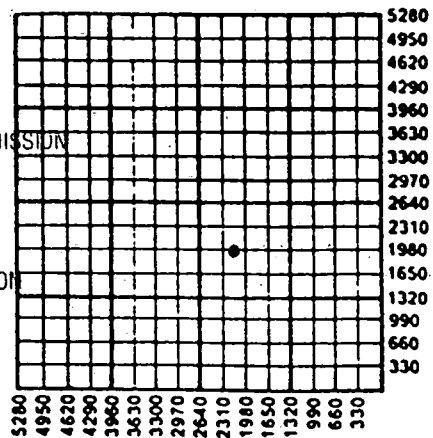
Lease Name LATHROP B Well # 1-3
Field Name Stead South
Producing Formation MISSISSIPPI
Elevation: Ground 1880 KB 1885
Total Depth 4660 PBTD 4607'

Contractor: Name: ALLEN DRILLING COMPANY
License: 5418
Wellsite Geologist: JEFFREY R. ZOLLER

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

APR 25 1991



If OMAO: old well info as follows:
Operator: N/A
Well Name: _____
Comp. Date: _____ Old Total Depth: _____

Amount of Surface Pipe Set and Cemented at 360' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cm.

Drilling Method:
 Mud Rotary Air Rotary Cable
3/20/91 3/27/91 4/19/91
Spud Date Date Reached TD Completion Date

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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: _____
Title: Vice President Date: 4-23-91
Subscribed and sworn to before me this 23rd day of April, 1991.
Notary Public: Cynthia L. Woolery
Date Commission Expires: 1-17-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC S.W.D/Rep NGPA
 KGS Plug Other (Specify)

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SIDE TWO

Operator Name ALLEN DRILLING COMPANY Lease Name LATHROP B Well # 1-3

Sec. # 27 Twp. 12 Rge. 12 East West County Pratt

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.)

Formation Description
 Log Sample
Name Top Bottom
"See Attached"

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"	23#	360	60/40Poz	225	2% gel 3% cc
production	7-7/8"	5-1/2"	15.5#	4658	40/60Poz	165	18% NaCl 1/4 # flocele 6 # Gilsonite,

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4170 - 4220'	Acid 1500 gal 7% MCA w/balls Frac - 75500 gal X-L pak gel w/165000 # sand	4170' - 4220'

TUBING RECORD Size 2 7/8" Set At 4270' Packer At None Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	105	TSTM	7	N/A	N/A

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____ Production Interval 4170 - 4220'

ORIGINAL

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DRILL STEM TESTS							
NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
	4144- 4224 Miss	53 - 53 45	1175 60	86 - 86 45	1154 90	2080 - 2059	120' G & OCM (5% O, 15% G, 80% M) 1st opng strong blow in 2 min.; 2nd opng strong blow. GTS in 5 min. 10 min - 14.1 MCF/GPD 20 min - 12.5 MCF/GPD 45 min - 12.5 MCF/GPD stabilized

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STRATIGRAPHIC MARKERS	SUBJECT WELL SAMPLE	E. LOG	DATUM
Anhydrite		702	+1183
Base Anhyd		753	+1132
Onaga Shale	2699	2698	-813
Wabaunsee	2738	2737	-852
Tarkio	2923	2921	-1036'
Howard	3081	3079	-1194
Topeka	3193	3190	-1305
Heebner	3518	3516	-1631
Toronto	3532	3529	-1644
Douglas Sh.	3554	3554	-1669
Brown Lime	3702	3699	-1814
Lansing	3718	3715	-1830
'H' Zone	3882	3880	-1995
Base KC	4064	4063	-2178
Mississippi	4171	4170	-2285
Kinderhook	4348	4346	-2461
Viola	4377	4375	-2490
Simpson Sh	4472	4470	-2585
Simpson SS	4484	4482	-2597
Arbuckle	4578	4576	-2691
TD	4660	4659	-2754

RELEASED

MAY 20 1992

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

APR 25 1991

CONSERVATION DIVISION
Wichita, Kansas

DISTRICT Pratt, Ks **KCC** **ORIGINAL** DATE 3-20-91

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Allen Drilling Company (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING

CONFIDENTIAL **CONFIDENTIAL**

WELL NO. 1-3 LEASE Lathrap B SEC. 3 TWP. 27S RANGE 12W

FIELD _____ COUNTY Pratt STATE Ks OWNED BY Some

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 _____
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	24	8 5/8	KB	360	
LINER						
TUBING						
OPEN HOLE			12 1/4	360	365	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ **REPAIRS**

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Set 8 5/8 set 360' w/ 225 sks 4/6 Pozmix 2 gel, 3/cc
APR 25 1991

CONSERVATION DIVISION
Wichita, Kansas

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, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

MAY 20 1992

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

SIGNED Mike Row CUSTOMER

DATE 3-20-91

TIME 1400 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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							Called out
								ORIGINAL KCC
	1230							APR 22 1992 On Location
								CONFIDENTIAL
	1400							CONFIDENTIAL
								Set up truck
								Break circulation
	1540	6	0				260	Start mixing cement
	1551	6	50.9				50	Finish mixing cement
	1552							Release Plug
	1554	6	1				0	Start displacement
	1600	6	22.1				250	Plug down at 345' By wireline
	1559						OK	Cement circulated
	1615							Wash up + Rack up
								Job complete
								Thank You
								3042-P
								81870 Jerry Bennett
								89475 David Scott
								80022 Don Dobretz
								RELEASED
								MAY 20 1992

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STATE CORPORATION COMMISSION

APR 25 1991

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER

FROM CONFIDENTIAL

WELL DATA
 FIELD **KCC** SEC **3** TWP **27S** RNG **12W** COUNTY **Prch** STATE **Ks**

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS **APR 22 1992** 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	24	8 5/8	KB	360	
LINER						
TUBING						
OPEN HOLE			12 1/4	360	365	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD	Wood manifold	Howco
PACKER		
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 3:20	DATE 3:20	DATE 3:20	DATE 3:20
TIME 1035	TIME 1230	TIME 1545	TIME 1700

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. _____
 GELLING AGENT TYPE _____ GAL. LB. _____
 FRIC. RED. AGENT TYPE _____ GAL. LB. _____
 BREAKER TYPE _____ GAL. LB. _____
 BLOCKING AGENT TYPE _____ GAL. LB. _____
 PERFPAC BALLS TYPE _____
 OTHER _____
 OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J Bennett	Comb 3242	25520
D Seeth	Bulk 0977	25520
D Dubretz		

DEPARTMENT **Unit**
 DESCRIPTION OF JOB **Set 8 5/8 Surface**
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE **X Mike Kern**
 HALLIBURTON OPERATOR **Jerry Bennett** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED GAL. LB.	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	225	40' 60	Poz	B	2% gel, 3% cc	1.27	14.3

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 **15** REASON **Request**

SUMMARY
 PRESFLUSH: BBL-GAL. _____ TYPE _____
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL. **221** BBL-GAL. _____
 CEMENT SLURRY: **50.9** BBL-GAL. _____
 TOTAL VOLUME: BBL-GAL. _____
REMARKS
RELEASED
MAY 20 1992

STOWER
 Allen Dr's Company
 LEASE
 Ketchrap B
 WELL NO.
 1-3
 JOB TYPE
 8 5/8 Surface
 DATE
 3-20-91

ORIGINAL

WELL NO. - FARM OR LEASE NAME 1-3 Kathrap B		COUNTY Pratt	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 3-20-91
CHARGE TO Allen Drilling Company KCC			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 APR 22 1992			CONTRACTOR Co Tool	LOCATION 1 Great Bend, Ks	CODE 25520
CITY, STATE, ZIP CONFIDENTIAL			SHIPPED VIA Co Trk	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. 15-151-22,045	DELIVERED TO location	ORDER NO.	LOCATION 3 CONFIDENTIAL
TYPE AND PURPOSE OF JOB 110			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		
000-117		1		MILEAGE	10	mi			2.35	23 50
000-118		1		Mileage Surcharge	10	mi			.40	4 00
001-016		1		Pump Charge	8	hr	360	ft	480.00	480 00
030-503		1		Plug (Wood)	1	cg	8 3/8		90.00	90 00

RECEIVED
STATE CORPORATION COMMISSION

APR 25 1991

CONSERVATION DIVISION
Wichita, Kansas

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-917954** **1477 48**

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Mike Kern
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X Mark Kern
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.

Jerry Bennett
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

RELEASED

MAY 20 1991

SUB TOTAL
TAXES WILL BE ADDED ON INVOICE.

FROM CONFIDENTIAL

DISTRICT TRM #5 APR 22 1992

ORIGINAL DATE 3-28-91

TO: HALLIBURTON SERVICES **CONFIDENTIAL** REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Allen Drilling (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING **CONFIDENTIAL**

WELL NO. 1-3 LEASE LATHROP "B" SEC. 3 TWP. 27 RANGE 104

FIELD _____ COUNTY _____ STATE _____ 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 4661 MUD WEIGHT _____
BORE HOLE 7 7/8
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW LOGS	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>4660</u>	
LINER						
TUBING						
OPEN HOLE	RECEIVED STATE OF KANSAS COMMISSION					SHOTS/FT.
PERFORATIONS	<u>NOV 25 1991</u>					
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS KANSAS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
(Cement 5 1/2 L.S. W). 65 SKS 40/60 Per 27% Gel, 18% SALT, 1/4" Floc, 6" Gil Seal, 5" CRK-3, 95 SKS 44/60 Per 27% Gel, 18% SALT, 1/4" Floc, 5" CRK-3, 590 GAS STOP, 10" Gil Seal - 20 BBL SALT PERUSH WILL PRECEDE CEMENT

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

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

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

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
SIGNED [Signature] MAY 20 1992
DATE 3-28-91 CUSTOMER
TIME AM 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

FROM CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	<i>2402</i>							<i>Called out Henry @ 0200</i>
	<i>0200</i>							<i>on loc - SET UP</i>
								<i>Big Pulling Done P.A.C</i>
								<i>Finish Pulling Done P.A.C</i>
	<i>0415</i>							<i>Run up to 5th CSB</i>
	<i>0600</i>							<i>START 5th CASING TO HOLE</i>
								<i>CASING TO HOLE - ADD BULK</i>
	<i>0623</i>							<i>WORK TO Big MWD Pump</i>
	<i>0700</i>							<i>Break Circulation</i>
								<i>FINISH CIRCULATION</i>
								<i>Work to Henco?</i>
								<i>Cement as follows:</i>
	<i>0705</i>	<i>5.0</i>	<i>20.0</i>	-	-		<i>250</i>	<i>Pump start P.A.C</i>
	<i>0711</i>	<i>6.0</i>	<i>0</i>	✓	✓		<i>450</i>	<i>START mixing cement - Plug Bittable</i>
	<i>0727</i>	<i>6.0</i>	<i>39.6</i>	-	✓		<i>450</i>	<i>Finish mixing cement</i>
								<i>Work out Pump & lines</i>
								<i>Release Plug</i>
	<i>0732</i>	<i>9.9</i>	<i>0</i>	✓	✓		<i>400</i>	<i>START DISPLACEMENT</i>
	<i>0743</i>	<i>9.9</i>	<i>109.9</i>	✓	✓		<i>1000</i>	<i>Plug Down</i>
	<i>0830</i>							<i>JOB COMPLETE</i>
								<i>NOTE: USED RETURNING HEAD DURING ALL of JOB</i>

ORIGINAL

CONFIDENTIAL

APR 22 1992
CONFIDENTIAL

RECEIVED
STATE COMMISSION
APR 25 1991
CONSERVATION DIVISION
Wichita, Kansas

RELEASED
MAY 20 1992
FROM CONFIDENTIAL

CUSTOMER

WELL DATA

FIELD KCC SEC 3 TWP 27 RNG 12W COUNTY LeFlore STATE OK

FORMATION NAME KCC TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL APR 22 1992 BPD. WATER _____ BPD. GAS _____
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____
COMPLETION DATE CONFIDENTIAL MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH 4661

	NEW	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>AI</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>4660</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT. _____
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

CONFIDENTIAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>ACE 5 1/2</u>	<u>1</u>	<u>Howe</u>
GUIDE SHOE <u>KSC</u>	<u>1</u>	<u>"</u>
CENTRALIZERS <u>S-11</u>	<u>7</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>SW</u>	<u>1</u>	<u>"</u>
HEAD <u>PC</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-28</u>	DATE <u>3-28</u>	DATE <u>3-28</u>	DATE <u>3-28</u>
TIME <u>2400</u>	TIME <u>0200</u>	TIME <u>0705</u>	TIME <u>0830</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Bigler</u>	<u>01690</u>	<u>Permian</u>
<u>D. Bink</u>	<u>Bbl. 33</u>	<u>Permian</u>
<u>D. Bink</u>	<u>Bbl. 33</u>	<u>Permian</u>
<u>D. Bink</u>	<u>Bbl. 33</u>	<u>Permian</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 _____
 GELLING AGENT TYPE _____ GAL-LB _____
 FRIC. RED. AGENT TYPE _____ GAL-LB _____
 BREAKER TYPE _____ GAL-LB _____
 BLOCKING AGENT TYPE _____ GAL-LB _____
 PERFPAC BALLS TYPE _____
 OTHER _____

RECEIVED STATE CORPORATION COMMISSION

APR 25 1991

CONSERVATION DIVISION Wichita, Kansas

DEPARTMENT Conserv
 DESCRIPTION OF JOB Conserv 5 1/2 Long Service
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X
 OPERATOR D. Bigler
 COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK WEIGHT	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>65</u>	<u>10/16 P-2</u>	<u>Howe</u>	<u>B</u>	<u>2% Cel, 1% SFT, 1/4" KDFC, 6% Gensitz, 1% CIP-3</u>	<u>1.44</u>	<u>14.23</u>
	<u>45</u>	<u>10/16 P-2</u>	<u>"</u>	<u>B</u>	<u>2% Cel, 1% SFT, 1/4" KDFC, 5% CIP-3, 5% Gensitz, 10% Gensitz</u>	<u>1.36</u>	<u>14.15</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 11 REASON ACE

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL 20 TYPE Slick Flush
 LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
 TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 109.9
 CEMENT SLURRY: BBL-GAL 16.6 + 23.0
 TOTAL VOLUME: BBL-GAL _____

REMARKS

SEE JOB LOG
THANKS
D. Bigler
RELEASED
MAY 20 1992

STOMER
 LEASE
 WELL NO. 1-3
 JOB TYPE 5 1/2 L.S.
 DATE 3-28-91

ORIGINAL

WELL NO. - FARM OR LEASE NAME 1-3 LATHROP "B"		COUNTY Pottawatomie	STATE KS	CITY / OFFSHORE LOCATION	DATE 3-28-91
CHARGE TO Allen Oil & Gas		OWNER Spartan	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 Co. Tools	LOCATION 1 Pottawatomie		CODE 25535
CITY, STATE, ZIP APR 22 1992		SHIPPED VIA Truck	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2 Pottawatomie
WELL TYPE 61	WELL CATEGORY 01	WELL PERMIT NO. CONFIDENTIAL	DELIVERED TO Loc.	LOCATION 3	CODE 25520
TYPE AND PURPOSE OF JOB 035		B-917976	ORDER NO.	REFERRAL LOCATION CONFIDENTIAL	

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			
000-117		1		MILEAGE	10	MILES	1	32	32	30	
000-118		1		MILEAGE	10	MILES	1	40	40	00	
001-016		1		PUMP (4000)	4660	FT	5	MILES		1260	00
030-016		1		TOI AUG	1	EA	5 1/2	IN		50	00
12-A	825-201	1		GRASS 5 HOE (210)	1	EA	5 1/2	IN		105	00
24-A	815-19231	1		HOE	1	EA	5 1/2	IN		83	00
27	815-15315	1		FULL W/ TUBE	1	EA	5 1/2	IN		30	00
40	807-43022	1		CENTRALIZER	7	EA	5 1/2	IN	142	308	00
509-968		1		SALT	400	LB			10	40	00
019-241		1		ROTARY HEAD	1	EA	5 1/2	IN		155	00

THIS IS AN INVOICE

NOT

RECEIVED STATE CORPORATION COMMISSION

APR 25 1991

CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-917976

3298 17

WAS JOB SATISFACTORILY COMPLETED? YES

WAS OPERATION OF EQUIPMENT SATISFACTORY? YES

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? YES

X [Signature]
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X [Signature]
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.

RELEASED

[Signature]
HALLIBURTON OPERATOR

MAY 20 1992

HALLIBURTON APPROVAL

CUSTOMER

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

FROM CONFIDENTIAL

