

SIDE ONE

ORIGINAL

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

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

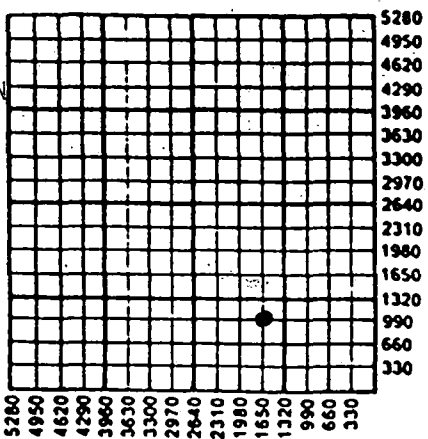
Contractor: Name: ALLEN DRILLING COMPANY
License: 5418
Wellsite Geologist: Jeffrey R. Zoller

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

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

Drilling Method:
 Mud Rotary Air Rotary Cable
9/27/91 10/05/91 10-23-91
Spud Date Date Reached TD Completion Date

API NO. 15- 151-22,059-00-00
County Pratt
NE SW SE Sec. 3 Twp. 27 Rge. 12 East West
990 Ft. North from Southeast Corner of Section
1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name DYERLY Well # 1-3
Field Name Stead South
Producing Formation Mississippi
Elevation: Ground 1876 KB 1881
Total Depth 4600 PBTD



Amount of Surface Pipe Set and Cemented at 384 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set N/A Feet
If Alternate II completion, cement circulated from N/A
feet depth to ----- w/ ----- sx cmt.

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CONSERVATION DIVISION
Wichita Kansas

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 Doug Hoisington
Title Vice President Date 10/25/91
Subscribed and sworn to before me this 25th day of October,
19 91.
Notary Public Cynthia L. Woolery
Date Commission Expires 1-18-94

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

P1

SIDE TWO

Operator Name ALLEN DRILLING COMPANY Lease Name DYERLY Well # 1-3
 Sec. 3 Twp. 27 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	12-14"	8-5/8"	23#	384	60/40poz	285	2% gel, 3% CaCl
production	7-7/8"	5-1/2"	15.5#	4598	40/60poz	170	2% gel, 18% NaCl 1/4 lb./Sack Florida 6 lb/Sack Oilsonite 5% CFR III, 5% Gass-

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4180' - 4208'	1400 gal 7 1/2% MCA	4180-4208'

TUBING RECORD Size 2-7/8" Set At 4262' Packer At NONE Liner Run Yes No

Date of First Production 10/23/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 58.3 Bbls. Gas TSTM Mcf Water 58.3 Bbls. Gas-Oil Ratio N/A Gravity N/A

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION Open Hole Perforation Dually Completed Coamingled
 Other (Specify) _____ Production Interval 4180 - 4208'

STRATIGRAPHIC

MARKERS

SAMPLE

E. LOG

ORIGINAL

Anhydrite	693	693	+1188
Base Anhyd.	745	747	+1134
Howard	3076	3075	-1194
Topcka	3187	3186	-1305
Heebner	3520	3519	-1638
Toronto	3538	3537	-1656
Douglas Shale	3558	3558	-1677
Brown Lime	3705	3704	-1823
Lansing	3720	3720	-1839
'H' Zone	3890	3890	-2009
Base KC	4064	4074	-2193
Mississippi	4180	4179	-2298
Kinderhook	4390	4390	-2509
Viola	4424	4422	-2541
Simpson Sh.	4494	4490	-2609
Simpson SS	4506	4502	-2621
Arbuckle	4584	4582	-2701
TD	4600	4599	-2718

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Wichita, Kansas

DRILL STEM TESTS

NO	INTERVAL	IFF/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
	4150 - 4256	357- 491 -	1527	580- 715	1436	2169- 2123	120' GIP 420' HGSOCM (40% G, 10%O, 50%M) 600' HO&GCWM (28%G, 27%O, 40%W, 5%M) 120' OCMW (17%G, 18%O, 15%M, 50%W) 540' SO&GCW, 72000ppm BHT 119°; 1st opng very strong blow off bottom of bucket in less 1 min. 2nd opng very strong blow off bottom of bucket 1 minute.

173728

DISTRICT Picath

DATE 10-6-91

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 Co. (CUSTOMER)

WELL NO. 1-3 LEASE Dyerly SEC. 3 TWP. 27 RANGE 12W

FIELD _____ COUNTY Picath STATE KS OWNED BY SOMC

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	11		5.5	5 1/2 B	4577	
LINER	STATE CO	RECEIVED		MISSION		
TUBING						
OPEN HOLE					4600'	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Central 55 Picath with 20000 salt slush, 70 SX 4 1/2" PZ cont cont. 276 gal, 18% salt, 1/4" triole, 6# E-Kemite, S-CER-3 followed with 100 SX 4 1/2" PZ cont with 276 gal, 18% salt, 1/4" triole, 10# E-Kemite, S-CER-3, 5% gas step - 1150 SX cont to float with 500 55 Aug

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 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.

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

SIGNED _____ CUSTOMER

DATE 10-6-91

TIME _____ A.M. P.M.

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

CUSTOMER

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							Call for job
	1100							O ₂ line - Rig laying down pipe
	1335							Start 55 csg in hole
	1555							Csg on bottom - put up 3' hoist up iron
	1608							Est. circulation with rig pump
								Rotate csg while circ.
	1625							Pump 5 bbl fresh water
	1627							" 20 bbl salt flush
								" 5 bbl fresh water
		6	18		1		100	Mix 705x lead in cement
		6	27		1		100	Mix 1005x tail cement
	1648							Cement mixed - wash out pump & lines
	1650							Release plug & disp. cement
								10 bbl off bottom stop rotating pipe
	1708	9	111		1		1100	Plug down
	1711							Release - float holding
	1715							Wash up truck
	1730							Rig down truck
	1745							Job Finished - Thank You Foy - Danny - Jake

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* Had good circulation thru out job.

* Plug set hole under 155x cement

CUSTOMER

CUSTOMER

HALLIBURTON SERVICES
Duncan, Oklahoma 73538

A Division of Halliburton Company

TICKET ORIGINAL 173728-5

1906 R-11

WELL NO. - FARM OR LEASE NAME <i>1-3 Dyarly</i>		COUNTY <i>Pratt</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>10-6-91</i>
CHARGE TO <i>Allan Drilling Company</i>		OWNER <i>Same</i>		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR <i>Allan Drilling Co.</i>		1 LOCATION <i>Pratt KS</i>	CODE <i>25335</i>
CITY, STATE, ZIP		SHIPPED VIA <i>5400</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		2 LOCATION
WELL TYPE <i>01.0.1</i>	WELL CATEGORY <i>01-Development</i>	WELL PERMIT NO.	DELIVERED TO <i>Loc</i>		3 LOCATION
TYPE AND PURPOSE OF JOB <i>035-Contract ST Co.</i>		B-467360	ORDER NO.		REFERRAL LOCATION

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY.	MEAS	QTY.	MEAS		
000-111		1		MILEAGE	10	mi	per	mi	36.00	360.00
001-016		1		Pump Change	4597	ft				1365.00
12 A	825.205	1		Regular Grade Shoe	1	ea	55	ea	105.00	105.00
34 A	815.1731	1		Treat Flat Valve	1	ea	55	ea	83.00	83.00
27	815.1731	1		Fill up Assembly	1	ea	55	ea	30.00	30.00
40	807.73022	1		S-4 Centalizes	1	ea	per	ea	41.00	308.00
036-016		1		Top Plug 5w	1	ea	55	ea		50.00
507.765		1		S-4	400	lb	per	lb	.10	40.00

THIS IS NOT AN INVOICE

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OCT 31 1991

CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-467360** 3338.57

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

CUSTOMER OR HIS AGENT (PLEASE PRINT)

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.

Foy Pumping

HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

ORIGINAL

FOR INVOICE AND
TICKET NO. 173728

of Halliburton Company
OKLAHOMA, OKLAHOMA 73338

DATE 10/06/91	CUSTOMER ORDER NO.	WELL NO. AND FARM Dyerly 1-3	COUNTY Pratt	STATE KS
CHARGE TO Allen Drilling Co.		OWNER Same	CONTRACTOR Co. Tools	No. B 467360
MAILING ADDRESS		DELIVERED FROM Pratt, KS	LOCATION CODE 25555	PREPARED BY Dave Sargent
CITY & STATE		DELIVERED TO Wellsite	TRUCK NO.	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.				
Front				100 sks. 40% Pozmix/60% Standard Cement								
504-308				Standard Cement	60	sk.			5.35	321	00	
506-105				Pozmix A	40	sk.			3.29	131	60	
506-121				Allowed Gel-2%	2	sk.			N/C	N	C	
508-291				Gilsonite-10#/sk.	1000	lb			0.35	350	00	
507-153				CFR-3- 0.5%	43	lb			4.10	176	30	
507-210				Flocele- 1/4#/sk.	25	lb			1.30	32	50	
507-918				Gasstop - 0.5%	43	lb			29.00	1247	00	
509-968				Salt - 18%	950	lb			0.10	95	00	
Rear				70 sks. 40% Pozmix/60% Standard Cement								
504-308				Standard Cement	42	sk.			5.35	224	70	
506-105				Pozmix A	28	sk.			3.29	92	12	
506-121				Allowed Gel-2%	1	sk.			N/C	N	C	
508-291				Gilsonite-6#/sk.	420	lb			0.35	147	00	
507-153				CFR-3 - 0.5%	30	lb			4.10	123	00	
507-210				Flocele- 1/4#/sk.	18	lb			1.30	23	40	
509-968				Salt - 18%	650	lb			0.10	65	00	
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			Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES						
			SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET						
500-207						224		1.15		257	60	
			SERVICE CHARGE			CU. FEET						
500-306			Mileage Charge	18091	10	90.46		0.80		72	37	
				TOTAL WEIGHT	LOADED MILES	TON MILES						
No. B 467360		CARRY FORWARD TO INVOICE						SUB-TOTAL		3358		59

178930

DISTRICT Wichita

DATE 9-27-91

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 Co (CUSTOMER)

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

WELL NO. 1-3 LEASE DRELLY SEC. 3 TWP. 27 RANGE 14

FIELD _____ COUNTY Wichita 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 711 MUD WEIGHT _____

BORE HOLE 12 1/4

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	<u>W</u>	<u>28.0</u>	<u>9 5/8</u>	<u>KS</u>	<u>330</u>	
LINER						
TUBING						
OPEN HOLE	RECEIVED STATE CORPORATION COMMISSION					SHOTS/FT.
PERFORATIONS	OCT 31 1991					
PERFORATIONS	CONSERVATION DIVISION					

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Control 8 1/2 (56) of 285 8 1/2 40/60 P22 2 1/2 600 19000

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- 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 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.

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

SIGNED _____ CUSTOMER

DATE 9-27-91

TIME _____ A.M., P.M.

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 LOG

FORM 2013 R-2

WELL NO. 15 LEASE OYERLY TICKET NO. 173751
 CUSTOMER ALLEN DRILLING CO. PAGE NO. _____
 JOB TYPE 5/3 **ORIGINAL** DATE 9-27-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							Called out to start
	1740							2.0 lps - set up - 1 hole in case
	2035							out of hole w/ drill pipe
	2045							Start 8 1/2" 8.1 hole
								Casing to hole
								Hook to rig mud pump
	2127							Break circulation
	2133							Final circulation
								Hook to rig
								Center as follows
	2140	5.2	3.0	-	-			Pump 1120 Speed
	2144	4.6	0	-	-			Start mixing cement
	2158	4.6	64.0	-	-			Finish mixing cement
								Release plug
	2201	4.7	0	-	-			Start displacement
	2206	4.7	23.6	-	-			Plug down
	2240							Job complete

Thank you
 Call again
 Doug

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 STATE CORPORATION COMMISSION
 OCT 31 1991
 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER

WELL DATA

FIELD _____ SEC 3 TWP 27 RNG. LW COUNTY _____ 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 711

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes DATE and TIME for each.

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

MATERIALS section with fields for TREAT. FLUID, DISPL. FLUID, PROP. TYPE, ACID TYPE, SURFACTANT TYPE, etc.

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PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel like D. BIGLER, C. FURKES, J. HERRID.

DEPARTMENT C-2400 DESCRIPTION OF JOB Cementing 8 1/2" CB

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

CUSTOMER REPRESENTATIVE [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. 3 TYPE 4/200
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 23.6
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 64.4
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS
AVERAGE RATES IN BPM _____
TREATING _____ DISPL _____ OVERALL _____
FEET 15 REASON 500 GPM

CUSTOMER LEASE WELL NO. JOB TYPE DATE

ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>1-3 Dyrally</i>		COUNTY <i>Prater</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>9-27-91</i>
CHARGE-TO <i>Allen Dole Co</i>		OWNER <i>State</i>		TICKET TYPE (CHECK ONE)	
ADDRESS		CONTRACTOR <i>Cotrols</i>		SERVICE <input checked="" type="checkbox"/>	SALES <input type="checkbox"/>
CITY, STATE, ZIP		SHIPPED VIA <i>52504</i>		YES <input type="checkbox"/> NO <input type="checkbox"/>	
WELL TYPE <i>01</i>		WELL CATEGORY <i>01</i>		WELL PERMIT NO.	
TYPE AND PURPOSE OF JOB <i>210</i>		DELIVERED TO <i>Loc</i>		ORDER NO. B-573246	
				FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	
				3 LOCATION CODE	
				REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
<i>000-117</i>				MILEAGE	<i>10</i>	<i>mls</i>	<i>1</i>	<i>75</i>		<i>26</i>	<i>00</i>
<i>001-016</i>				<i>Heavy Charge</i>	<i>380</i>	<i>FE</i>	<i>8</i>	<i>115</i>		<i>515</i>	<i>00</i>
<i>001-509</i>				<i>Tax Pay 021</i>	<i>1</i>	<i>77</i>	<i>90</i>			<i>90</i>	<i>00</i>

NOT THIS IS AN INVOICE

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STATE CORPORATION COMMISSION
OCT 31 1991
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-573246** *1919*

IS JOB SATISFACTORILY COMPLETED? _____

IS OPERATION OF EQUIPMENT SATISFACTORY? _____

IS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

[Signature]
CUSTOMER OR HIS AGENT (PLEASE PRINT)

[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.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

