

ORIGINAL

SIDE ONE

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

Operator: License # 9262

Name: Lowry Exploration, Inc.

Address Box 1847

City/State/Zip Liberal, KS 67905-1847

Purchaser: Panhandle Eastern Pipeline Co.

Operator Contact Person: Ned Lowry

Phone (316) 624-8141

Contractor: Name: Gabbert & Jones, Inc.

License: 5842

Wellsite Geologist: _____

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

If OWD: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

10/10/90 10/13/90 11/23/90
Spud Date Date Reached TD Completion Date

API NO. 15- 189-21449-00-00

County Stevens

SE NW SE Sec. 6 Twp. 34 Rge. 37 East West

1390' Ft. North from Southeast Corner of Section

1390' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

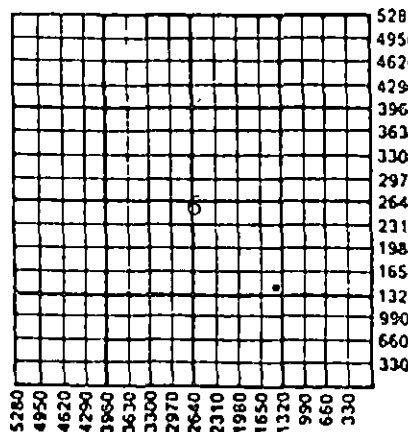
Lease Name Dunne-Hoffmann Well # I-2

Field Name Ptarmigan

Producing Formation: Chase series

Elevation: Ground 3155' KB _____

Total Depth 3020' PBDT 2974'



A 15 I

Amount of Surface Pipe Set and Cemented at 696.77' 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.

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.

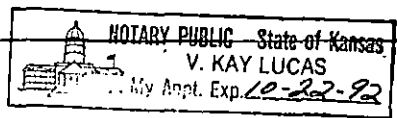
Signature Ned E. Lowry Ned E. Lowry

Title Pres. Date 2/5/91

Subscribed and sworn to before me this 5th day of February, 1991.

Notary Public V. Kay Lucas

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

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

P1

SIDE TWO

Operator Name Lowry Exploration, Inc. Lease Name Dunne-Hoffmann Well # I-2
 Sec. 6 Twp. 34 Rge. 37 East West
 County Stevens

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Formation Description</th> </tr> <tr> <th></th> <th><input checked="" type="checkbox"/> Log</th> <th><input type="checkbox"/> Sample</th> </tr> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Herrington</td> <td>2612</td> <td>2624</td> </tr> <tr> <td>Krider</td> <td>2637</td> <td>2681</td> </tr> <tr> <td>Winfield</td> <td>2695</td> <td>2726</td> </tr> <tr> <td>Towanda</td> <td>2752</td> <td>2804</td> </tr> <tr> <td>Ft. Riley</td> <td>2812</td> <td>2852</td> </tr> </tbody> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Herrington	2612	2624	Krider	2637	2681	Winfield	2695	2726	Towanda	2752	2804	Ft. Riley	2812	2852
Formation Description																									
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Ft. Riley	2812	2852																							

CASING RECORD <input checked="" 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 Casing	12 1/4"	8 5/8"	24#	696.77	PremPlus Lite	200	2%CC, 1/4# floccle
					PremPlus	125	2%CC, 1/4# floccle
Long String	7 7/8"	5 1/2"	15.5#	3019	PremPlusPoza	120	w/this set additives
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
Shots Per Foot	Specify Footage of Each Interval Perforated						
3	Herrington 2614-22			200 gal 7 1/2% acid			
3	Krider 2639-79'			1800 gal 7 1/2% acid			
3	Winfield 2697-2724'						
3	Towanda 2754-2802'			112,000 gal TWL-30 water			
3	Ft. Riley 2814-50'			320,000# 10-20 sand			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
1/22/91							
Estimated Production Per 24 Hours		Oil Bbls.	Gas 2010 Mcf	Water Bbls.	Gas-Oil Ratio		Gravity

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

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Coningled Other (Specify) _____

Production Interval: _____

ORIGINAL

GABBERT-JONES, INC.
DRILLERS' WELL LOG

WELL NAME: DUNNE-HOFFMAN 1-2
SEC. 6-34S-37W
STEVENS COUNTY, KANSAS

COMMENCED: 10-10-90

COMPLETED: 10-13-90

OPERATOR: HOFFMAN OIL CO.

Depth		Formation	Remarks
From	To		
0	700	Sand-Redbed	Ran 16 jts of 24# 8 5/8" casing LD @ 696 w/200 sks Premium Plus - 2% CC - 1/4# CF 125 sks Prem Plus - 2% CC PD @ 9:30 PM 10-10-90
700	1180	Redbed	
1180	1365	Glorietta Sand	
1365	2100	Redbed	
2100	3020	Shale	
	3020 TD		Ran 69 jts of 15# 5 1/2" csg LD @ 3017 w/205 sks Howcolite C - 1/4# FS 120 sks 50/50 Quikset 1% CPA - 1/4# CPD - 1/4# FS 2% CC PD @ 11:45 AM 10-13-90 RR @ 12:45 PM 10-13-90

RECEIVED
STATE CORPORATION COMMISSION

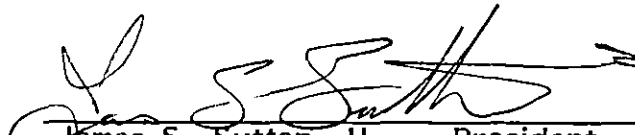
FEB 7 1991

REGISTRATION DIVISION
Topeka, Kansas


STATE OF KANSAS
COUNTY OF SEDGWICK

) I, the undersigned, being duly sworn on oath,
) state that the above Drillers' Well Log is true
) and correct to the best of my knowledge and
belief and according to the records of this office.

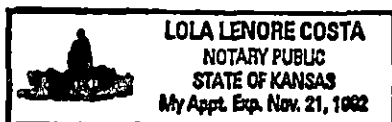
GABBERT-JONES, INC.


James S. Sutton, II. -- President

Subscribed & sworn to before me this
16th day of October, 1990


Lola Lenore Costa

My commission expires Nov. 21, 1992



DAILY DRILLING REPORT
 43

CONTRACTOR
 GABBERT + JONES INC.

DATE
 WED 10/10/90

COMPANY
 LOWREY EXP. INC. LEASE
 DUNNE-HOFFMAN

DISTRICT
 HUGGTON COUNTY
 STEVENS STATE
 KANSAS

WELL NO.
 I-2 RIG NO.
 11

D. P. STRING NO.
 1 SIZE
 4 1/2

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB.
7:00	3:00	15 Bell 1 Lime				DM Barry INMAN EM Larry Kiser H Larry Rogers	8 8 8
SLOPE TEST		ACCIDENT - (GIVE NAME)					
0	FT.						
DEG. OFF		Mud Post 104.05		DRLR Paul York			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: HELP DAYLITES

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB.
400		SAND - RED BED	120	5/15	1000	DM Johnnie Pineda	8
DIESEL FUEL		370 GAL @ 1.15 GAL	6 1/2" FULL			EM Kim Surman	8
SPUD @		11:30 A.M.				H Antonio Olivas	8
SLOPE TEST		ACCIDENT - (GIVE NAME)					
0	FT.						
DEG. OFF				DRLR Gilbert David J. Jr.			

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	3	SIZE D. P.	
SIZE	12 1/4	VISC.		CORING		SIZE COLL.	
MAKE	HTC	WTR. LOSS-C.C.		OTHER	4 1/2	JTS. D. P.	FT.
SERIAL NO.	BT 1662 RT	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	0	PH.		TRIP		COLLARS	FT.
HOURS RUN	3	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00-11:30 RIG UP - DRIL. PAT HOLE
 11:30-3:00 DRILG. W/1/2 HR. CIR. SAND UP

RECEIVED
 STATE CORPORATION COMMISSION
 FEB 7 1991

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB.
400	700	Sand & Red Beds	120	5/15	1000	DM Michael Maestas	8
CEM. W/200 SKS. PREMIUM + LITE		2 1/2 C.C.				EM Roy Beer	8
1/4 1/2 SK. CELLULOSE FLAKE - TALL		175 SKS. PREMIUM				H Charles Stephens	8
LITE SLOPE TEST		ACCIDENT - (GIVE NAME)					
0	700 FT.	PHUG. DOWN @ 9:30 P.M. BY HALCO. CEM. CIR.					
DEG. OFF		G-EL 30 - LINE 2 #186		DRLR Kevin W. H.			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	3 1/4	SIZE D. P.	
SIZE	12 1/4	VISC.		CONTRAG	1/4	SIZE COLL.	
MAKE	HTC	WTR. LOSS-C.C.		OTHER	1/4	JTS. D. P.	FT.
SERIAL NO.	BT 1662 RT	FILTER CAKE		REPAIRS	2	KELLY DOWN	FT.
DEPTH IN	0	PH.		TRIP	3 1/4	COLLARS	FT.
HOURS RUN	6 1/4	MTL. ADDED (REMARKS)			1 1/2	TOTAL	FT.

REMARKS: 7:00-6:30 DRILG. W/1/2 HR. SERV. RIG - 6:30-6:45 CIR. 6:45-7:30 TRIP OUT - 7:30-8:45 RIG UP + RAN 16 JTS. NEW 24# 8 5/8 C.C.
 TALLY 689.77 SET @ 696.77 8:45-9:30 CIR. CEM. ABOVE 9:30-11:00

APPROVED: Willie H. Hester
 THIS FORM DEVELOPED AND DESIGNED BY THE AMERICAN ASSOCIATION OF OILWELL DRILLING CONTRACTORS. PUSHER

DAILY DRILLING REPORT
 43

CONTRACTOR **ORIGINAL**
GABBERT & JONES INC.
 LEADER **DUNNE-HOFFMAN**
 DATE **THURSDAY 10/11/90**
 COMPANY **LOWREY EXP. INC.**
 WELL NO. **E-2**
 RIG NO. **11**
 DISTRICT **HUGOTON**
 COUNTY **STEVENS**
 STATE **KANSAS**
 D. P. STRING NO. **1**
 SIZE **4 1/2**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB.
700	W.O.C.					DM Barry Inman	8
						EM Larry Kiser	8
						H Larry Rogers	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
@	FT.						
	DEG. OFF					DLR Paul York	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	SEC-585F	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	514972	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	700	PH.		TRIP		COLLARS	FT.
HOURS RUN	1	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:00-7:00 W.O.C.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB.
700	1050	Red Bed	70	30/35	800	DM Johnnie Pineda	8
						EM Kim Sumner	8
						H Antoneca Obregon	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
@ 1000	FT.	Delivered (1) 55 gal. drum Antifreeze					
1°	DEG. OFF	(2) 5 gal. Methanol				DLR Herbert Davis	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT	W 8.9	DRILLING	2 3/4	SIZE D. P.	
SIZE	7 7/8	VISC.	A 33	CORING	3/4	SIZE COLL.	
MAKE	SEC 585F	WTR. LOSS-C.C.	T	OTHER	2 1/2	JTS. D. P.	FT.
SERIAL NO.	514972	FILTER CAKE	T	REPAIRS	(1/4) + (1/4)	KELLY DOWN	FT.
DEPTH IN	700	PH.	R 8#	TRIP	(1/4)	COLLARS	FT.
HOURS RUN	3:34	MTL. ADDED (REMARKS)			(1/4)	TOTAL	FT.

REMARKS: 7:00 TO 9:30 W.O.C. 9:30 TO 10:15 Plug plug & cement
 10:15-3:00 DRUG. W (1/4) Pump Motor (1/4) Jet (1/4) Survey (1/4) Gather Pump

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB.
1050	1555	Red Bed	70	3035	800	DM Roy Beer	8
		6-Sand 1180'-1365'				EM Lonnie Marquis	8
						H Charles Stephens	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
@ 1525	FT.	Gel-30 S/Flash-1					
	DEG. OFF	Hulls-20 Mud Cost #403.44				DLR Kevin White	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT	9.0	DRILLING	2 3/4	SIZE D. P.	
SIZE	7 7/8	VISC.	32	CORING		SIZE COLL.	
MAKE	SEC 585F	WTR. LOSS-C.C.		OTHER	Cover Sand 1/4	JTS. D. P.	FT.
SERIAL NO.	514972	FILTER CAKE		REPAIRS	3/4	KELLY DOWN	FT.
DEPTH IN	700	PH. LCM	8#	TRIP	1/4	COLLARS	FT.
HOURS RUN	10:42	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 3:00-3:30 Drg 3:30-4:15 Put Flow Meter on Pump 4:15-10:00 Drg
 10:00-10:15 Survey 10:15-11:00 Drg

DAILY DRILLING REPORT
 43

FRI.

CONTRACTOR Gabbert & Jones INC		DATE 10-12-90
COMPANY Lowrey Exp - INC	LEASE Dunne - Hoffman	WELL NO. T-2
DISTRICT Hugoton	COUNTY Stevens	RIG NO. 11
STATE Kansas		D. P. STRING NO. 1
		SIZE 4 1/2"

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1555	2000	Reel Bed	70	30/35	800	Batty Twman	8
						Batty Kiser	8
						Batty Rogers	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
0		FT.					
DEG. OFF						Paul York	8

OCT 15 1990

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	778	WEIGHT	8.9	DRILLING	7 3/4	SIZE D. P.	
SIZE	7 7/8	VISC.	31	CORING	1/4	SIZE COLL.	
MAKE	SEC 385F	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	514972	FILTER CAKE	3#	REPAIRS		KELLY DOWN	FT.
DEPTH IN	700	PH.		TRIP		COLLARS	FT.
HOURS RUN	19 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11.00 - 7 Dalg From 1555 - 2092

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2100	2465	Shale	70	35	1000	Johannie Pineda	8
						Kim Inman	8
						Artemio Olvera	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
0		FT.					
DEG. OFF						Wilbert Davis Jr	8

20 gal 15.0 gal

153. 5'

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	778	WEIGHT	9.0	DRILLING	7 1/2	SIZE D. P.	
SIZE	7 7/8	VISC.	31	CORING		SIZE COLL.	
MAKE	SEC 385F	WTR. LOSS-C.C.		OTHER	1/4	JTS. D. P.	FT.
SERIAL NO.	514972	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	700	PH.	LCM 28	TRIP		COLLARS	FT.
HOURS RUN	25 3/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00 TO 3:00 Dalg. W. (1/4) Rig (1/4) Jet

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2465	2750	Shale	70	35	1000	Roy Beer	8
						Charles Stephens	8
						Lonnie Marquis	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
1/4	2511	FT.					
DEG. OFF						Kevin Cliff	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	778	WEIGHT	9.0	DRILLING	7 1/4	SIZE D. P.	
SIZE	7 7/8	VISC.	31	CORING		SIZE COLL.	
MAKE	SEC 385F	WTR. LOSS-C.C.		OTHER	1/4	JTS. D. P.	FT.
SERIAL NO.	514972	FILTER CAKE		REPAIRS	1/4	KELLY DOWN	FT.
DEPTH IN	700	PH.	LCM	TRIP		COLLARS	FT.
HOURS RUN	25	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 2:00 - 10:00 Dalg w/ 1/2 hr Rig Serv, Jet, & Survey @ 1/4 hr Pump

ORIGINAL

5AT

DAILY DRILLING REPORT
 43

CONTRACTOR: **Bal-let + Jones INC.** DATE: **10-13-90**
 COMPANY: **Lowrey Exp-Tile** LEAD: **Dunne + Hoffman** WELL NO.: **E-2** RIG NO.: **11**
 DISTRICT: **Hugston** COUNTY: **Stevens** STATE: **Kan.** D. F. STRING NO.: **1** OIL: **4 1/2**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2750	3020	Shale	7 1/80	3 1/35	1000	Barty T. Man	8
						Larry Kiser	8
						Larry Rogers	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
@	FT.						
	DEG. OFF						

Circ 30205
 OCT 16 1990

DRILLER: **Paul Yorks**

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	6 1/2	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	Sec 586E	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	514972	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	200	PH.		TRIP		COLLARS	FT.
HOURS RUN	3 1/2	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:00-5:45 DRIG. 1/4 HR. SERU RIG. 5:45-6:45 CIR.
 6:45-7:00 L.D.D.P.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3020	T.D.	Wait on Rig Release -				Juan Pineda	14
		(RIG RELEASED @ 12:45 P.M.)				Kim Inman	14
		PLUG DOWN @ 11:45 AM BY HALCO				Intermar Olivas	14
SLOPE TEST		ACCIDENT: (GIVE NAME)					
@	FT.	RIG DOWN - MOVE					
	DEG. OFF	RIG UP ON DRAINING HOLLOWING G-#2					

DRILLER: **Albert Davis**

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING	STATE	SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER	2	JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00 TO 9:45 L.D.D.P. + D.C.'S - CEMAR WORK 9:45-11:45
 RIG UP + BAN 69 JTS. NEW 15.5" 5/2 CSG. TALLY 3012.45 - SET @ 3017.45
 CEM. W/205 SKS. HALCO LIFE C W/14#/SK FLOCELE - TRIL W/120 SKS. 50/50 TRACK SET

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
980		W/40% COMPT. A				Roy Beer	12
		SPUD @ 7:30 P.M.				Charles Stephens	12
		DUNNE-HOFFMAN G-#2				Lannie Marquis	12
SLOPE TEST		ACCIDENT: (GIVE NAME)					
@	FT.	Get 32 Lime 5					
	DEG. OFF	Hulls 10 Mud Cost 321 95					

DRILLER: **Kenneth Cliff**

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING	3 1/2	SIZE D. P.	
SIZE	12 1/4	VISC.		CORING		SIZE COLL.	
MAKE	HTC - RT.	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	RT 3102	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	0	PH.		TRIP		COLLARS	FT.
HOURS RUN	3 1/2	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:00-7:30 MOVE + RIG UP 7:30-11:00 DRIG

136

DISTRICT: Liberal, KS

DATE 10-13-90

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

WELL NO. I-2 LEASE Duane Hoffner SEC. 6 TWP. 34 RANGE 37

FIELD Hogston D-8-11 COUNTY STEVENS 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 3020 MUD WEIGHT 9.15
CORE 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	155	5 1/2	KB	3019	1500
LINER						
Sub	Y	24	8 5/8	Cal.	700	
OPEN HOLE			7 7/8	700	3020	SHO(S)/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

035 Cement Production CSG. with 2055# HLC (10) 1 1/4" Flood
1st 25 scf 105# Bp Scavenger then 12.3 cfm. Followed by
120 sc 50/50 poz (10) 1 1/4" Seal A 4 1/2" comp B, 1 1/4" Flood
206 cc of 14.0 #/gal Displace Sw top plug with H₂O.

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
- 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.
 - 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 all claims, liability, expenses, attorneys fees, and costs of defence to the extent permitted by law for:
 - 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.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 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 defence, 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 defence, 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.
 - 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.
 - 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.
 - 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 the 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.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - 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 Mad E. Louby CUSTOMER

DATE 10-13-90

TIME 08:00 P.M.

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

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION OKLA. City
HALLIBURTON LOCATION DAVING

BILLED ON TICKET NO. 042745

WELL DATA
FIELD Hogatos Ind. II SEC 6 TWP. 34 RANG. 37 COUNTY STEVENS 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 Rheology MUD WT. 4.14
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 3000

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	KB	504	1500
LINER						
TUBING	G	24	5 1/2	SL	700	
OPEN HOLE			7 1/8	700	302.0	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INLET 5 1/2</u>	<u>1</u>	<u>HOLCO</u>
FLOAT SHOE <u>FILL UP</u>	<u>1</u>	<u>"</u>
GUIDE SHOE <u>REG</u>	<u>1</u>	<u>"</u>
CENTRALIZERS <u>S-4</u>	<u>10</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>S.W.</u>	<u>1</u>	<u>"</u>
HEAD <u>DCM</u>	<u>1</u>	<u>"</u>
PACKER <u>REG</u>	<u>1</u>	<u>"</u>
OTHER <u>WELL A</u>	<u>16</u>	<u>"</u>

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-13-90</u>	DATE <u>10-13-90</u>	DATE <u>10-13-90</u>	DATE <u>10-13-90</u>
TIME <u>05:30</u>	TIME <u>08:00</u>	TIME <u>08:00</u>	TIME <u>17:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>LIA G... 24-157</u>	<u>10275</u>	<u>OKLAHOMA</u>
<u>S. M. ... 3115</u>	<u>75374 P.</u>	<u>"</u>
<u>G. ... 20233</u>	<u>75377</u>	<u>Hogatos</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API
 DISPL. FLUID _____ DENSITY _____ LB/GAL-API
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL-LB. _____ IN
 GELLING AGENT TYPE _____ GAL-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL-LB. _____ IN
 BREAKER TYPE _____ GAL-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL-LB. _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT CEMENT
 DESCRIPTION OF JOB 035 cont. Prod. CSC
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X Haliburton
 HALLIBURTON OPERATOR John P. ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL.
<u>L</u>	<u>205</u>	<u>HLS</u>	<u>P1</u>	<u>B</u>	<u>1/4 lb 50 F...</u>	<u>306</u>	<u>123</u>
<u>F</u>	<u>120</u>	<u>Blk P22</u>	<u>P2</u>	<u>B</u>	<u>1/2 lb 50 F... 1 lb 40 F... 200...</u>	<u>13</u>	<u>140</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN INSTANT _____ 5 MIN. _____ 10 MIN. _____
 ORDERED _____ AVAILABLE _____ USED _____
 TREATING _____ DISPL. _____ OVERALL _____
 P/BET 40 REASON Stop 3%

SUMMARY

PRESLUSH BBL-GAL. 12 TYPE SCALE 10.5
 LOAD & BKDN BBL-GAL. _____
 TREATMENT BBL-GAL. _____
 CEMENT SLURRY BBL-GAL. 166.78
 TOTAL VOLUME BBL-GAL. _____
 REMARKS FEB 7 1991
 CONSERVATION DIVISION
 Wichita Kansas

CUSTOMER: OKLA. City
LEASE: DAVING
WELL NO.: 7-2
JOB TYPE: 035 cont. Prod. CSC
DATE: 10-13-90



**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION ORIGINAL**

FOR INVOICE AND TICKET NO. **042745**

DATE 10-13-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Dunne Hoffman I-2	COUNTY Stevens	STATE Ks.
CHARGE TO Lowery Lease Management		OWNER	CONTRACTOR	No. B 857242
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks.	LOCATION CODE 25535	PREPARED BY Neal
CITY & STATE		DELIVERED TO Loc S. Hugoton, Ks.	TRUCK NO. 0525/75819	RECEIVED BY <i>Lonny D. ...</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
				120 50/50 Pozmix Thix Set								
504-050	516.00265	2	B	Premium Plus Cement	60	sk			7.08	424.80		
506-105	516.00286	2	B	Pozmix A	60	sk			3.91	234.60		
506-121	516.00259	2	B	Halliburton Gel 2% allowed	10	sk				NC		
504-120		2	B	Halliburton Light Cement	205	sk			6.20	1280.45		
508-101	70.15347	2	B	Thixset A	103	lbs			5.35	551.05		
508-103	70.15299	2	B	Thixset	29	lbs			7.45	216.05		
509-406	890.50812	2	B	Calcium Chloride	2	sk			26.25	52.50		
507-210	890.50071	2	B	Floccle	81	lbs			1.30	105.30		
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES	FEB 7 1991				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET	CONSERVATION DIVISION				
500-207		2	B	SERVICE CHARGE			CU. FEET	319	1.10	350.90		
500-306		2	B	Mileage Charge	28528	6	TON MILES	85.58	.75	64.19		
No. B 857242				CARRY FORWARD TO INVOICE				SUB-TOTAL				

JOB LOG

WELL NO. *T-1* LEASE *Durbin Hall* INCREMENT NO. *211543*

CUSTOMER *Wesley & Sons Mining* ORIGINAL PAGE NO.

JOB TYPE *8 1/2" Sand pump* DATE *10-10-76*

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	15:15							Called out
	16:45							at location of U. Hwy
								Hook up to Circulate
								Hook up to Cement
1	21:05	6	104.1	2		100		Start Cement
2	21:18	0		0		0		Cement mixed - Shut Down - Drop Plug
3	21:20	6	41.7	2		150		Start Displacement
4	21:30	1.5		1		300		Plug landed
5	21:31			0		300		Shut in
								Circulated Cement
								Thanks C. Davis & Crew

STATE OF MICHIGAN COMMISSION

FEB 7 1991

REGISTERED ENGINEER



BULK MATERIALS DELIVERY AND ORIGINAL TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 014542

DATE 10-10-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Dunne Hoffman I-2	COUNTY Stevens	STATE Ks.
CHARGE TO Lovery Lease Management		OWNER	CONTRACTOR	No. B 857234
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks.	LOCATION CODE 25535	PREPARED BY Neal
CITY & STATE		DELIVERED TO Loc SW Hugoton, Ks.	TRUCK NO. 3842/7620	RECEIVED BY <i>C. Davis</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-050	516.00265	2	B	Premium Plus Cement	125	sk			7.08	885.00	
504-120		2	B	Halliburton, Light Cement	200	sk			6.29	1258.00	
507-210	890.50071	2	B	Flocele 1/2 blended	81	lbs			1.30	105.30	
509-406	890.50812	2	B	Calcium Chloride	6	slcs			26.25	157.50	
THIS IS NOT AN INVOICE											
		Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES		FEB 7 1991		
		SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET		CONSERVATION DIVISION Wichita, Kansas		
500-207		2	B	SERVICE CHARGE			CU. FEET		343	1.10	377.30
500-306		2	B	Mileage Charge	29511	TOTAL WEIGHT	6	LOADED MILES	88.53	.75	66.40
No. B 857234							CARRY FORWARD TO INVOICE		SUB-TOTAL		

CUSTOMER

WELL DATA

FIELD Wagoner SEC _____ TWP _____ RNG _____ COUNTY Stephens 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 700

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>10</u>	<u>210</u>	<u>8 1/2</u>	<u>RIG</u>	<u>621.77</u>	
LINER						
TUBING						
OPEN HOLES						SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
<u>10-10-90</u>	<u>10-10-90</u>	<u>10-10-90</u>	<u>10-10-90</u>
DATE	DATE	DATE	DATE
TIME <u>12:13</u>	TIME <u>16:45</u>	TIME <u>20:55</u>	TIME <u>21:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>5-1 8 1/2</u>	<u>2</u>	<u>Hawsco</u>
BOTTOM PLUG		
TOP PLUG <u>5 W 8 1/2</u>	<u>1</u>	<u>Hawsco</u>
<u>Hard Alum Bottle 8 1/2</u>	<u>1</u>	<u>Hawsco</u>
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. Davis</u>	<u>11322</u>	<u>37454</u>
<u>T. Payne</u>	<u>11120</u>	<u>75176</u>
<u>P. C. C.</u>	<u>04373</u>	<u>7620</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

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

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFPAC BALLS TYPE _____ QTY _____

OTHER _____

DEPARTMENT Contract

DESCRIPTION OF JOB 8 1/2 Surface

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE W. Phillip Herbert

HALLIBURTON OPERATOR P. Davis COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS./GAL.
<u>1</u>	<u>200</u>	<u>MHC P1</u>		<u>B</u>	<u>27 CC 1/2" 1/2"</u>	<u>8.1</u>	<u>12.3</u>
<u>2</u>	<u>135</u>	<u>P1</u>		<u>B</u>	<u>27 CC 1/2" 1/2"</u>	<u>1.32</u>	<u>14.2</u>

PRESSURES IN PSI

SUMMARY

STATE RECEIVED VOLUMES RECEIVED COMMISSION

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ EEB 10/10/90

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 11.1

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL 10.1

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL _____

TREATING _____ DISPL _____ OVERALL 6 REMARKS See Page 7

FEET 1212 REASON Bottom - Abandoned

DISTRICT Liberal, KS.

DATE 10-10-90

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

WELL NO. I-2 LEASE Dunne Hoffman SEC. _____ TWP. _____ RANGE _____

FIELD Hugoton COUNTY Stevens 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 700 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>N</u>	<u>21#</u>	<u>8 7/8</u>	<u>K.B.</u>	<u>689.99</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Cement 8 7/8 Surface w/200 SKS HEC Pt, 1/4" Fl, 270 CC
+ 125 Pt 1/4" Fl, 270 C.C.

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 for breach of warranty (or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials or the 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 the replacement cost unless such damage is caused by 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 repair 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. Incessant strikes 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 Willie Shebett CUSTOMER

DATE 10-10-90 TIME 1515 A.M. P.M.



FORM 1908 R-11

WELL NO.—FARM OR LEASE NAME <i>J-2 Duane Ho F Farm</i>		COUNTY <i>STEWART</i>	STATE <i>KS.</i>	CITY/OFFSHORE LOCATION	DATE <i>10-10-90</i>
CHARGE TO <i>Leasing Lease Management</i>		OWNER <i>Leasing Lease Management</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>G & J #7</i>		1 LOCATION <i>Liberal, KS.</i>	CODE <i>25540</i>
CITY, STATE, ZIP		SHIPPED VIA <i>Newsco</i>		FREIGHT CHARGES <input type="checkbox"/> FPD <input type="checkbox"/> COLLECT	2 LOCATION <i>Liberal, KS.</i>
WELL-TYPE <i>02</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO.	DELIVERED TO <i>Loc</i>	3 LOCATION	CODE
TYPE AND PURPOSE OF JOB <i>010 Surface Rep 8 1/2</i>		B- <i>857234</i>	ORDER NO.	REFERRAL LOCATION	

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

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

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
200-117		1		MILEAGE Pump Trk	31	mi.	1	EA	2.35	72	85
101-016		1		Pump CMC	687.77	FT	8	MPS	6.30	630	00
30-016		1		5W Top Plug	1	EA	8 5/8	in	92.00	92	00
40		1		5-4 Centralizers	2	EA	8 5/8	in	53.00	106	00
59		1		PWC wall Planners	6	EA	8 5/8	in	22.50	135	00
597		1		Mammoth Baffle Plate	1	EA	8 5/8	in	37.00	37	00

THIS IS NOT AN INVOICE

STATE DEPT. OF REVENUE
FEB 7 1991

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B- 857234**

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.

HALLIBURTON OPERATOR
 CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.