

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 P O BOX 1847

City/State/Zip LIBERAL, KS 67905-1847

Purchaser: ANADARKO PETROLEUM CORPORATION

Operator Contact Person: NED E. LOWRY

Phone (316) 624-8141

Contractor: Name: GABBERT JONES

License: 5842

Wellsite Geologist: N/A

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTB

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

6-28-94 7-2-94 9-19-94

Spud Date Date Reached TD Completion Date

API NO. 15- 189-21660-00-00

County STEVENS

ORIGINAL

C -NE- Sec. 8 Twp. 34 Rge. 37 ^E

1320 Feet from S(N) (circle one) Line of Section

1320 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE, SE, NW or SW (circle one)

Lease Name DUNNE-HOFFMANN Well # 2-8

Field Name PANOMA-COUNCIL GROVE

Producing Formation COUNCIL GROVE

Elevation: Ground 3155 KB 3167

Total Depth 3200 PBTB 3150

Amount of Surface Pipe Set and Cemented at 679 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 cmt.

Drilling Fluid Management Plan ALT 1 9/8 5-18-95
(Data must be collected from the Reserve Pit)

Chloride content 3900 ppm Fluid volume 2000 bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Ned E Lowry

Title President Date 10-19-94

Subscribed and sworn to before me this 19th day of October, 19 94.

Notary Public Susan G. Poach

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution KCC SWD/Rep Plug
KGS
OCT 20 1994
CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS

Operator Name: Lowry Exploration, Inc. Lease Name: Dunne-Hoffmann Well # 2-8-5
 Sec. 8 Twp. 34S Rge. 37W East County: Stevens West

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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herrington	2619	+548'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Krider	2649	+518
List All E.Logs Run:	Dual Induction	Winfield	2720	+447
	Comp Neutron Litho Density	Ft. Riley	2858	+309
		Council Grove A	2982	+185
		Council Grove B	3050	+117

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 pipe	12-1/4	8-5/8	24#	679'	Halco Premium	340	2% cc
Long string	7-7/8	5-1/2	15.5#	3194	Halco Premium Plus	450	0.6% HALAD-322 2% cc 15% SALT

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	3050 - 3055 CI bridge plug @ 3030	1000 gal. 15% HCL	3055
2	2987-92, 2996-3001, 3009-13	1500 gal. 7-1/2% HCL	2987-3013
		Frac w/40,000 gal. TWL-30 + 150,000# sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	2979	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Resumed Production, SWD or Inj.	Producing Method
9-19-94	<input checked="" type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	150	MCF	40		

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

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

Production Interval: 2987-3013



JOB SUMMARY

HALLIBURTON DIVISION

Mid Cont

HALLIBURTON LOCATION

LIBERAL, KS

BILLED ON TICKET NO.

677660

WELL DATA

FIELD _____ SEC. 5 TWP. 34s RNG. 37w COUNTY _____ STATE _____

ORIGINAL

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 690

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 5/8	KB	678.64	
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	690	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
ELONGATED <u>INSERT FLOAT</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE		
GUIDE SHOE	<u>1</u>	<u>TEXAS PATROL</u>
CENTRALIZERS	<u>3</u>	<u>Howco</u>
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-28-94</u>	DATE <u>6-28-94</u>	DATE <u>6-28-94</u>	DATE <u>6-28-94</u>
TIME <u>1200</u>	TIME <u>1515</u>	TIME <u>2030</u>	TIME <u>0030</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. FOX</u>	<u>D4437</u>	<u>40078 P.U. Liberal</u>
<u>H. TEADER</u>	<u>56623</u>	<u>5060 RCM</u>
<u>T. DAVIS</u>	<u>F4550</u>	
<u>R. GARRISON</u>	<u>G2729</u>	<u>75805 Bulk Hugaton</u>

MATERIALS

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

DEPARTMENT LEMENT
 DESCRIPTION OF JOB 8 5/8 SURFACE PIPE
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X Kevin Wiff
 HALLIBURTON OPERATOR WES FOX COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>190</u>	<u>P+L</u>		<u>B</u>	<u>2 1/2 LL / 1/4" FLO CEL</u>	<u>2.10</u>	<u>12.2</u>
<u>2</u>	<u>150</u>	<u>PT</u>		<u>B</u>	<u>2 1/2 LL / 1/4" FLO CEL</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. BBL. 40.5
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL. 186.2
 TOTAL VOLUME: BBL. 186.7
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING 3 DISPL. 3 OVERALL 3
 CEMENT LEFT IN PIPE _____
 FEET 42.10 REASON SHOE JOINT

RECEIVED STATE CORPORATION COMMISSION

OCT 20 1994

CONSERVATION DIVISION

CUSTOMER Lowry Exploration
LEASE Dunns-Hoffman
WELL NO. 2-8
JOB TYPE 8 5/8 Surface Pipe
DATE 6-28-94

JOB LOG FORM 2013 R-4

CUSTOMER Lowry Expl.	WELL NO. 2-8	LEASE DUNNE - HOFFMAN	JOB TYPE 8518 Surface Pipe	TICKET NO. 677660
--------------------------------	------------------------	---------------------------------	--------------------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							Called out for 1600
	1515							on location - Rig Drilling at 545'
	1545							Set up Co. Truck
	1550							Safety Meeting
	1600							Rig Last Circulation
	1730							Rig Drilling
	1850							Stand back Drill Pipe
	2010							Hook up circulating iron
	2020							Break Circulation
	2030	3	71				100	Mix Lead at 12.2 PPG 190 sks
	2051	3	35.2				100	Mix Tail at 14.8 PPG 150 sks
	2115							Shut Down - Prop Plug
	2116	3	405				100	Wash up + Displace
	2141	3/0					200/900	Plug Down - Float Held NO RETURNS
	2200							Order 1" Pipe + 200sks Prem Plus Light
	2348	2	40				100	Mix 1" Cement at 12.3 PPG 110sks
	0008		10					Cement to Surface - 27 sks
								Thanks for Calling Halliburton WES + CREW

RECEIVED
STATE CORPORATION COMMISSION

OCT 20 1994

REGISTRATION DIVISION
WICHITA, KANSAS



HALLIBURTON ORIGINAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
677660	06/28/1994

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
DUNNE-HOFFMAN 2-8		STEVENS		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		GABBERT & JONES	CEMENT SURFACE CASING		06/28/1994
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
525343	KEVIN CLIFFT			COMPANY TRUCK	72187

LOWRY EXPL., INC.
BOX 1847
LIBERAL, KS 67901

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	50	MI	2.75	137.50
		1	UNT		
001-016	CEMENTING CASING	679	FT	890.00	890.00
		1	UNT		
030-018	CEMENTING PLUG SW, PLASTIC TOP	8	5/8 IN	130.00	130.00
		1	EA		
16A	CASING SHOE - 8 5/8" 8RD THD.	1	EA	161.00	161.00
	830.2171				
24A	INSERT FLOAT VALVE - 8 5/8" 8RD	1	EA	171.00	171.00
	815.19502				
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00
	815.19311				
40	CENTRALIZER - 8-5/8 X 12-1/4	3	EA	65.00	195.00
	806.61048				
350	HALLIBURTON WELD-A	1	EA	14.50	14.50
	890.10802				
504-120	CEMENT - HALL. LIGHT PREM PLUS	190	SK	9.28	1,763.20
504-050	CEMENT - PREMIUM PLUS	120	SK	10.36	1,554.00
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	36.75	220.50
507-210	FLOCELE	85	LB	1.65	140.25
500-207	BULK SERVICE CHARGE	358	CFT	1.35	483.30
500-306	MILEAGE CMTG MAT DEL OR RETURN	80.47	TMI	.95	76.45
504-120	CEMENT - HALL. LIGHT PREM PLUS	100	SK	9.28	928.00
019-200	PIPE 1"	100	FT	1.25	125.00
500-207	BULK SERVICE CHARGE	100	CFT	1.35	135.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	36.89	TMI	.95	75.00MN*

INVOICE SUBTOTAL

7,254.70

DISCOUNT-(BID)

2,904.15-

INVOICE BID AMOUNT

4,350.55

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

RECEIVED
STATE CORPORATION COMMISSION

OCT 20 1994

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

CONSERVATION DIVISION

CUSTOMER COPY

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046



INVOICE

INVOICE NO.	DATE
677660	06/28/1994

WELL LEASE NO./PROJECT DUNNE-HOFFMAN 2-8		WELL/PROJECT LOCATION STEVENS		STATE KS	OWNER SAME
SERVICE LOCATION LIBERAL		CONTRACTOR GABBERT & JONES	JOB PURPOSE CEMENT SURFACE CASING		TICKET DATE 06/28/1994
ACCT. NO. 525343	CUSTOMER AGENT KEVIN CLIFFT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 72187

LOWRY EXPL., INC.
BOX 1847
LIBERAL, KS 67901

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	*--KANSAS STATE SALES TAX				179.59
	*--SEWARD COUNTY SALES TAX				36.64
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					

V-14 2 8
cc mail 8/18 surface
page 7121

RECEIVED
STATE CORPORATION COMMISSION
OCT 25 1994

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

COLLECTION DIVISION
WICHITA, KANSAS
PAGE 1

CUSTOMER COPY



HALLIBURTON ENERGY SERVICES

ORIGINAL

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
677889	07/02/1994

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
DUNNE-HOFFMAN 2-8		STEVENS		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL	GABBERT & JONES	CEMENT PRODUCTION CASING		07/02/1994	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
525343	NED E. LOWRY			COMPANY TRUCK	72877

DIRECT CORRESPONDENCE TO:

LOWRY EXPL., INC.
BOX 1847
LIBERAL, KS 67901

OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM.	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	50 MI		2.75	137.50
		1 UNT			
001-016	CEMENTING CASING	3203 FT		1,500.00	1,500.00
		1 UNT			
030-016	CEMENTING PLUG 5W ALUM TOP	5 1/2 IN		60.00	60.00 *
		1 EA			
12A	GUIDE SHOE - 5 1/2" BRD THD.	1 EA		121.00	121.00 *
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" BRD	1 EA		110.00	110.00 *
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1 EA		55.00	55.00 *
815.19311					
40	CENTRALIZER-5-1/2" X 8-1/2"	10 EA		44.00	440.00 *
806.60022					
66	CLAMP-LIMIT-5-1/2" HINGED	1 EA		12.00	12.00 *
806.72030					
350	HALLIBURTON WELD-A	1 EA		14.50	14.50 *
890.10802					
504-050	CEMENT - PREMIUM PLUS	160 SK		10.36	1,657.60 *
504-120	CEMENT - HALL. LIGHT PREM PLUS	290 SK		9.28	2,691.20 *
507-210	FLOCELE	113 LB		1.65	186.45 *
507-775	HALAD-322	90 LB		7.00	630.00 *
508-127	CAL SEAL 60	11 SK		25.90	284.90 *
509-406	ANHYDROUS CALCIUM CHLORIDE	3 SK		36.75	110.25 *
509-968	SALT	1519 LB		.15	227.85 *
500-207	BULK SERVICE CHARGE	501 CFT		1.35	676.35 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	112.115 TMI		.95	106.51 *

INVOICE SUBTOTAL

9,021.11

RECEIVED STATE CORPORATION COMMISSION

OCT 20 1994

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

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

CUSTOMER COPY

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046



HALLIBURTON
ENERGY SERVICES

ORIGINAL

INVOICE

INVOICE NO.	DATE
677889	07/02/1994

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
DUNNE-HOFFMAN 2-8		STEVENS		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		DABBERT & JONES	CEMENT PRODUCTION CASING		07/02/1994
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
525343	NED, E. LOWRY			COMPANY TRUCK	72877

LOWRY EXPL., INC.
BOX 1847
LIBERAL, KS 67901

DIRECT CORRESPONDENCE TO:

OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)				3,668.86-
	INVOICE BID AMOUNT:				5,352.25
	*-KANSAS STATE SALES TAX				207.88
	*-SEWARD COUNTY SALES TAX				42.43

X
D.H. 2-8
Casing 5 1/2" casing
3181

RECEIVED
STATE CORPORATION COMMISSION
OCT 20 1994

INVOICE TOTAL - PLEASE PAY THIS AMOUNT 2.56

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

CONSERVATION DIVISION
WICHITA, KANSAS
PAGE 1

WELL DATA

FIELD _____ SEC _____ TWP. _____ RNG. _____ 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 _____ 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	15.5	5 1/2	0	3203	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Auto fill</u>		<u>H</u>
FLOAT SHOE <u>Insert float</u>	<u>1</u>	
GUIDE SHOE <u>Reg</u>	<u>1</u>	<u>O</u>
CENTRALIZERS <u>54</u>	<u>10</u>	
BOTTOM PLUG		<u>W</u>
TOP PLUG <u>5W</u>	<u>1</u>	
HEAD <u>PC</u>	<u>1</u>	<u>C</u>
PACKER <u>Fast Grip</u>	<u>1</u>	<u>O</u>
OTHER <u>Weld Pt</u>	<u>1</u>	

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-29-94</u>	DATE <u>7-29-94</u>	DATE <u>7-29-94</u>	DATE <u>7-29-94</u>
TIME <u>1600</u>	TIME <u>1900</u>	TIME <u>2208</u>	TIME <u>2255</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>O Nicholas</u> <u>41525</u>	<u>40078</u>	<u>Liberal</u>
<u>R Crist</u> <u>D2653</u>		<u>"</u>
<u>C Cornelison</u> <u>G 2579</u>	<u>52827</u>	<u>Hugoton</u>
<u>G McIntyre</u> <u>G 3755</u>	<u>6610</u> <u>5302</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 5 1/2 Long String
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X Ned & Seery
 HALLIBURTON OPERATOR Orville Nicholas COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>290</u>	<u>Prem Plus Lite</u>			<u>1/4# Flocele</u>	<u>2.00</u>	<u>12.2</u>
	<u>160</u>	<u>Premium Plus</u>			<u>2% En2 2% CR 6/10 Hald 3 22 15% soft</u>	<u>1.61</u>	<u>14.6</u>
					<u>1/4# Flocele</u>		

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 75.6
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 108.4 - 45.8
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS float held
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 45 REASON _____

RECEIVED
 STATE COMMISSION
 OCT 20 1994
 CONSERVATION DIVISION
 WICHITA

CUSTOMER Lowry
 LEASE Dune-Hoffman
 WELL NO. 2-8
 JOB TYPE 5 1/2 Long String
 DATE 7-2-94

JOB LOG FORM 2013 R-4

 CUSTOMER **LOWRY EXP** WELL NO. **28** LEASE **Dunne-Hoffman** JOB TYPE **5 1/2 Longstring** TICKET NO. **677889**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600 1900							Called out on location ORIGINAL Rig up Safety meeting
								Run Pipe Drop Ball Circulate with Rig Pump Hook up cement Iron
	2205							
	2208	6	10		✓	250		START WATER SPACER
	2212	6	1084		✓	250		START Lead cement
	2228	6	458		✓	250		START tail cement
	2237							wash up Truck
	2239							Release Plug
	2240	6	75.1		✓	250 1400		Displace Plug
	2256	1			✓	1400		hand Plug
	2277							Release PSI check float ok
								Good circulation