

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

ORIGINAL

API NO. 15- 129-21175-0000
 County Morton
 SW - NE - NE - Sec. 11 Twp. 32S Rge. 42 XX W

ORIGINAL

Operator: License # 30915
 Name: Richfield Gas Storage System
 Address 4200 E. Skelly Dr.
Suite 1000
 City/State/Zip Tulsa, OK 74135
 Purchaser: _____
 Operator Contact Person: Robert L. Hull
 Phone (918) 747-7000
 Contractor: Name: Zenith Drlg Co.
 License: unknown
 Wellsite Geologist: Harold Frauli

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
gas storage

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 PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
5/14/93 5/21/93 7/14/93
 Spud Date Date Reached TD Completion Date

1200 Feet from S/W (circle one) Line of Section
1200 Feet from E/W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE SE, NW or SW (circle one)
 Lease Name Jackson Well # 3-11
 Field Name Richfield West
 Producing Formation Morrow
 Elevation: Ground 3472' KB 3484'
 Total Depth 5200' PBDT 5158'
 Amount of Surface Pipe Set and Cemented at 1457' Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 3048' Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan Old I 2/2/94
 (Data must be collected from the Reserve Pit)
 Chloride content 6000 ppm Fluid volume 300 bbls
 Dewatering method used evaporation
 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 Robert L. Hull
 Title Vice President, Operations Date 8/13/93
 Subscribed and sworn to before me this 13th day of August, 19 93.
 Notary Public Kim M. Miller
 Date Commission Expires 9-11-96

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
AUG 16 1993		
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

Operator Name Richfield Gas Storage

Lease Name Jackson

Well # 3-11

Sec. 11 Twp. 32S Rge. 42

East

County Morton

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Morrow Shale	4552'	-1068
Morrow G-1 Sand	4900'	-1416'
Morrow G-2 Sand	4976'	-1492'
Morrow Keyes Sand	5040'	-1556'
Miss. Chester Ls.	5138'	-1654'

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	9 5/8"	36#	1457'	Lite + "C"	360+150	2% CaCl2
Production	8 3/4"	7"	23#	5200'	Thixset+"D"	130+75	2% CaCl2

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
8	Keyes, 5042'-64'	2000 gal 15% FE acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
	3 1/2"	4983'	4983'		

Date of First, Resumed Production, SWD or Inj. 7/20/93 Producing Method Flowing Pumping Gas Lift Gas Injection Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
<u>Inj.</u>			2500					

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

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval

5042'-64'

ORIGINAL



REM 110: P.O. BOX 951046 DALLAS, TX 75395-1046

INVOICE

A Halliburton Company

INVOICE NO.	DATE
345447	05/15/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
JACKSON 3-11	MORTON	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	ZENITH #1	CEMENT SURFACE CASING	05/15/1993
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
664356	GREG SCOTT		
		SHIPPED VIA	FILE NO
		COMPANY TRUCK	5094

RECEIVED PANDA RESOURCES INC. DIRECT CORRESPONDENCE TO:

PANADA EXPLORATION, INC., 4200 E. SKELLY DRIVE SUITE 1000 TULSA, OK 74135

MAY 26 1993

FIRST OKLAHOMA TOWER 210 WEST PARK AVENUE SUITE 2050 OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	15	MI	2.75	41.25
001-016	CEMENTING CASING	1458	FT	945.00	945.00
24A	INSERT FLOAT VALVE - 9 5/8" BRO	1	EA	205.00	205.00
815.19551					
27	FILL-UP UNIT 9 5/8"-13 3/8"	1	EA	60.00	60.00
815.19615					
40	CENTRALIZER 9-5/8" X 12.25"	3	EA	64.00	192.00
807.93065					
320	CEMENT BASKET 9 5/8"	1	EA	135.00	135.00
800.8889					
350	HALLIBURTON WELD-A	1	LB	14.50	14.50
890.10802					
030-016	CEMENTING PLUG 5W ALUM TOP	9 5/8	IN	150.00	150.00
504-050	CEMENT - PREMIUM PLUS	150	SK	8.95	1,342.50
504-120	CEMENT - HALL. LIGHT PREM PLUS	360	SK	8.05	2,898.00
507-210	FLOCELE	90	LB	1.40	126.00
509-406	ANHYDROUS CALCIUM CHLORIDE	9	SK	28.25	254.25
500-307	BULK SERVICE CHARGE			1.25	667.50
	MILEAGE UNIT DEL OR RETURN				306.74
INVOICE SUBTOTAL					7,337.74
DISCOUNT - (BID)					
INVOICE BID AMOUNT					2,568.17
* - KANSAS STATE SALES TAX					202.30
* - SEWARD COUNTY SALES TAX					41.29
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$5,013.16

345447

REC PROSPECT OR WELL: RBS011

SEP-1 ACCOUNT CODING

MAIN 352.0 SUB 10 210

JIB DECK RBS

APPROVED [Signature]

DATE 5/15/93

PAID 6/10

CHECK 1527

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

ORIGINAL



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

HALLIBURTON SERVICES ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO:	DATE:
345540	05/22/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
JACKSON 3-11	MORTON	KS	RICHFIELD GAS STG.
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	ZENITH #1	CEMENT PRODUCTION CASING	05/22/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
664356	H. FRAULT		
		COMPANY TRUCK	51242

RECEIVED
PANDA RESOURCES INC.

DIRECT CORRESPONDENCE TO:

PANADA EXPLORATION, INC.
4200 E. SKELLY DRIVE
SUITE 1000
TULSA, OK 74135

JUN 02 1993

FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE - EASTERN AREA1	15	MI	2.75	41.25
001-016	CEMENTING CASING	5215	FT	1,565.00	1,565.00
030-016	CEMENTING PLUG SW ALUM TOP	7	IN	90.00	90.00
030-017	CEMENTING PLUG SW, ALUM BOTTOM	7	IN	145.00	145.00
018-315	MUD FLUSH	1000	GAL	.65	650.00
018-316	PVS SPACER	500	GAL	.33	165.00
73	F.O. MULT STAGE CMTR 7" BRD	1	EA	4,400.00	4,400.00
813.0161					
4A	COLLAR-FLOAT-SUPER SEAL II- 7	1	EA	315.00	315.00
836.14100					
5A	SHOE-FLOAT-SSII 7IN. BRD	1	EA	261.00	261.00
837.14100					
40	CENTRALIZER 7" X 8.5-8.75"	10	EA	57.00	570.00
807.93043					
66	FASGRIP LIMIT CLAMP 7"	1	EA	12.70	12.70
807.64046					
320	CEMENT BASKET 7"	3	EA	120.00	360.00
390.8886	HALLIBURTON WELD-A	1	LB	14.50	14.50
890.10802					
218-738	CLAYFIX II	17	GAL	21.50	365.50
504-043	CEMENT - PREMIUM	130	SK	8.69	1,129.70
508-101	THIXSET COMPONENT A	122	LB	5.35	652.70
508-103	THIXSET COMPONENT B	31	LB	8.40	260.40
508-002	POTASSIUM CHLORIDE	300	LB	.27	81.00
500-207	BULK SERVICE CHARGE	130	CFT	1.25	162.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	95.0475	TMI	.85	80.79

ENTERED JUL 09 1993
RECEIVED
STATE CORPORATION COMMISSION
SEP 16 1993
CONSERVATION DIVISION
Wichita, Kansas

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

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

ORIGINAL



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

HALLIBURTON SERVICES ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
345574	06/01/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
JACKSON 3-11	MORTON	KS	RICHFIELD GAS STG.
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	NONE	RECEMENT	06/01/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
664356	H. FRAULI		
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			5171

RECEIVED
PANDA RESOURCES INC.
PANADA EXPLORATION, INC.
4200 E. SKELLY DRIVE
SUITE 1000
TULSA, OK 74135
JUN 14 1993

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

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - EASTERN AREA MILEAGE	15	MI	2.75	41.25
009-019	PLUGGING BK SPOT CEMENT OR MUD	3048	FT	1,255.00	1,255.00
218-738	CLAYFIX II	5	GAL	21.50	107.50
504-120	CEMENT - HALL. LIGHT PREM PLUS	135	SK	8.05	1,086.75
504-050	CEMENT - PREMIUM PLUS	75	SK	8.95	671.25
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	28.25	113.00
507-210	FLOCELE	53	LB	1.40	74.20
500-207	BULK SERVICE CHARGE	221	CFT	1.25	276.25
500-306	MILEAGE CMTG MAT DEL OR RETURN	149.05	TMI	.85	126.69

INVOICE SUBTOTAL

3,751.89

DISCOUNT-(BID)

1,313.13-

INVOICE BID AMOUNT

2,438.76

*-KANSAS STATE SALES TAX
*-SEWARD COUNTY SALES TAX

CHECK TOTAL: 2,578.51
PROSPECT OR WELL: RB5011

116.07

23.68

ENTERED # 345574/6/1

SEP 1 1993

CONSERVATION
Wichita, Kansas

ACCOUNT CODING	
MAIN 05210	SUB 8226
JIB DECK: RB5	
APPROVED: [Signature]	73583
PAID 7/1	
DATE	CHECK

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$2,578.51

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



REMIT TO:

P.O. BOX 951,000
DALLAS, TX 75395-1010

HALLIBURTON SERVICES

ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
345540	05/22/199

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
ROCKSON 3-11		MORTON	KS	RICHFIELD GAS STG.
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL	ZENITH #1	CEMENT PRODUCTION CASING		05/22/199
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA
4856	H. FRAULI			COMPANY TRUCK
				5124

DIRECT CORRESPONDENCE TO:

PANADA EXPLORATION, INC.
4200 E. SKELLY DRIVE
SUITE 1000
TULSA, OK 74135

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

PRICE/REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
00-117	CACING AREA - EASTERN AREA1 MILEAGE	15	MI	2.75	41.25
01-016	CEMENTING CASING	5215	FT	1,555.00	1,555.00
030-016	CEMENTING PLUG 5W ALUM TOP	7	IN	90.00	90.00
030-017	CEMENTING PLUG 5W, ALUM BOTTOM	7	IN	145.00	145.00
08-315	MUD FLUSH	1000	GAL	.65	650.00
08-316	PVS SPACER	500	GAL	.33	165.00
08-316	F.O. MULT STAGE CMTR 7" 8RD	1	EA	4,400.00	4,400.00
0813.0161	COLLAR-FLOAT-SUPER SEAL II- 7	1	EA	315.00	315.00
0836.14100	SHOE-FLOAT-SSII 7IN. 8RD	1	EA	261.00	261.00
0837.14100	CENTRALIZER 7" X 8.5-8.75"	10	EA	57.00	570.00
0807.93043	FASGRIP LIMIT CLAMP 7"	1	EA	12.70	12.70
0807.64046	CEMENT BASKET 7"	3	EA	120.00	360.00
090.8886	HALLIBURTON WELD-A	1	LB	14.50	14.50
090.10802	CLAYFIX II	17	GAL	21.50	365.50
094-048	CEMENT - PREMIUM	130	SK	8.69	1,129.70
098-101	THIXSET COMPONENT A	122	LB	5.35	652.70
098-103	THIXSET COMPONENT B	31	LB	8.40	260.40
098-002	POTASSIUM CHLORIDE	300	LB	.27	81.00
090-207	BULK SERVICE CHARGE	130	CFT	1.25	162.50
090-306	MILEAGE CMTO NAT DEL OR RETURN	95.0475	TNI	.85	80.79

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 2 1994
CONSERVATION DIVISION
WICHITA, KS

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

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER

JOB SUMMARY

HALLIBURTON DIVISION

Eastern Area

HALLIBURTON LOCATION

Liberal

ORIGINAL

BILLED ON TICKET NO. 345540

WELL DATA

SEC. 1 TWP. 32 RING. 42 COUNTY Morton STATE KS

NAME _____ TYPE _____
 Casing Thickness FROM _____ TO _____
 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	23	7	K.B	5215	
LINER	U	36	9 1/8	K.B	1459	
OPEN HOLE			8 1/8	1459	5200	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 5-21-93	DATE 5-22-93	DATE 5-22-93	DATE 5-22-93
TIME 22:00	TIME 00:30	TIME 04:00	TIME 10:25

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR S.S.	1	H
FLOAT SHOE S.S.	1	O
GUIDE SHOE Baskets	3	W
CENTRALIZERS	10	C
BOTTOM PLUG	1	H O
TOP PLUG	1	O
HEAD	1	W
WAGNER F.O Tool	1	C
OTHER Gessgrip	1	6

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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
R. Taylor	D4033 40098	Liberal
L. Williams	52938	Liberal
D. McIntyre	C9591 8408	Liberal
	D9704 5302	Hugoton

DEPARTMENT Cement
 DESCRIPTION OF JOB 2" Production casing
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X *[Signature]*
 RECEIVED
 HALLIBURTON OPERATIONS CORPORATION COMMISSION
 COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	130	Thixset	H	B	5% KCL	1.41	14.5

FEB 2 1994

CONSERVATION DIVISION
 WICHITA, KS

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
 ORDERED _____ AVAILABLE _____ USED _____
 TREATING _____ DISPL. _____ OVERALL _____
 FEET 41.22 REASON Side Joint

PRELUSH BBL-GAL. Mud Flush & PUS TYPE 24 & 12
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 203
 CEMENT SLURRY: BBL-GAL. 32.6
 TOTAL VOLUME: BBL-GAL. _____
 REMARKS
 See Job Log

CUSTOMER: K.H. Hall Gas Storage
 LEASE: Jackson
 WELL NO: 3-11
 JOB TYPE: 2" Prod.
 DATE: 5-22-93

ORIGINAL

WELL NO. 3-11 LEASE Jackson TICKET NO. 345540

CUSTOMER Richfield Gas Storage PAGE NO. 1

JOB TYPE 2" Production Casing DATE 5-22-93

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
22:00							Called Out
24:30							ON location, rig pulling D.P.
01:00							Safety meeting, set up to Tek
04:00							Start casing, run floating equat.
08:20							Casing on bottom
08:40							hookup iron, Rig Circulating, Derrick Cans
09:30							hookup iron, Co Tek
09:40							Drop bottom plug, load Top plug
09:41	4	12				300	Start mud flush, rig circulating
09:44	4	12				300	Start PUS-5
09:47	4	12				300	Start mud flush
09:50	5	33				150	Start Cement
09:57							Start down, drop plug
09:57							Wash pumps & lines
10:07	8.5	120				450	Start water displacement
10:18	6	23				550	Slowed rate, caught cement
10:20	3	10				750	Slowed rate
10:23						600	plug landed
10:23						1200	pressured up
10:24							released pressure, float held
10:30							Job Complete
							Thanks For Calling Hullbuck
							Richard & Blayd

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 2 1994

CONSERVATION DIVISION
WICHITA, KS

DISTRICT COPY



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-104

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE NO. DATE

345574 06/01/1

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
JACKSON 3-11		MORTON		KS	RICHFIELD GAS STG.
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DAT	
LIBERAL	NONE	RECEMENT		06/01/1	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FIL
464354	H. FRAULI			COMPANY TRUCK	51

DIRECT CORRESPONDENCE TO:

PANADA EXPLORATION, INC.
4200 E. SKELLY DRIVE
SUITE 1000
TULSA, OK 74135

FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	15	MI	2.75	41.25
		1	UNT		
009-019	PLUGGING BK SPOT CEMENT OR MUD	3048	FT	1,255.00	1,255.00
		1	UNT		
218-738	CLAYFIX II	5	GAL	21.50	107.50
504-120	CEMENT - HALL, LIGHT PREM PLUS	135	SK	8.05	1,086.75
504-050	CEMENT - PREMIUM PLUS	75	SK	8.95	671.25
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	28.25	113.00
507-210	FLOCELE	53	LB	1.40	74.20
500-207	BULK SERVICE CHARGE	221	CFT	1.25	276.25
500-306	MILEAGE CMTG MAT DEL OR RETURN	149.05	TMI	.85	126.69
INVOICE SUBTOTAL					3,751.89
DISCOUNT-(BID)					1,313.13-
INVOICE BID AMOUNT					2,438.76
*-KANSAS STATE SALES TAX					116.07
*-SEWARD COUNTY SALES TAX					23.69
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,578.61

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 2 1994
CONSERVATION DIVISION
WICHITA, KS

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

#1 EASTERN AREA
Liberal, Ks.

BILLED ON TICKET NO. 345680

WELL DATA

SEC. _____ TWP. _____ RNG. _____ COUNTY Morton STATE Ks

AE _____ TYPE _____

THICKNESS _____ FROM _____ TO _____

PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

SENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE FO Contr. SET AT 3048

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA KB=12.0' TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	u	23	7	KB		
LINER						
TUBING	u	9.3	3/2	KB	3048	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						ORIGINAL
PERFORATIONS						ORIGINAL
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-1-93</u>	DATE <u>6-1-93</u>	DATE <u>6-1-93</u>	DATE <u>6-1-93</u>
TIME <u>0700</u>	TIME <u>1000</u>	TIME <u>1315</u>	TIME <u>1815</u>

TOOLS AND ACCESSORIES

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

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Jeff Clark #71281	40089 pu	Liberal, Ks.
Dennis Carr #59179	40015 pu	" "
Robert Elwood #D4360	4903-1848 TCH P	" "
Danny Pierce B7106	SUPERVISOR	Hesperon, Ks.

KANSAS CORPORATION COMMISSION
RECEIVED
FEB 2 1994
CONSERVATION DIVISION
WICHITA, KS

MATERIALS

TREAT. FLUID	DENSITY	LB/GAL-API
DISPL. FLUID	DENISTY	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 Tools

DESCRIPTION OF JOB
Rud FO sleeve positioners to CNT.
FO Tool w/ listed CNTs

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X H Frankli

HALLIBURTON OPERATOR Jeff Clark COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS/GAL.
End	135	Prem. Plus	HCO	B	2% CC 1/4#/sx floccle	2.05	12.3
Tail	75	Prem. Plus		B	2% CC 1/4#/sx floccle	1.32	14.8

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

FLUSH (BBL-GAL) 50 TYPE _____

LOAD & BKDN: (BBL-GAL) 10 PAD: (BBL-GAL) _____

TREATMENT: (BBL-GAL) _____ DISPL. (BBL-GAL) 26

CEMENT SLURRY (BBL-GAL) 66.9

TOTAL VOLUME: (BBL-GAL) 132.9

REMARKS _____

CUSTOMER HANDA Exploration LEASE JACKSON WELL NO. 3-11 JOB TYPE FO sleeve positioners 6-1-93

WELL NO. 3-11 LEASE JACKSON TICKET NO. 345680
 CUSTOMER PANADH Exploration PAGE NO. 1
 JOB TYPE Cont. FO Tool DATE 6-1-93

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
0700							Called Out - READY @ 1020 hrs
1000							ON LOCATION
1045							Rig on location - Rig up
1315							Pick up FO sleeve positioners
1320							Tally in the hole
1535							46-1/2" 6' size = 204'
							Rig up to well head + tlg
1552	1	1	-		300	300	Pressure hole
1553							Open FO Tool
1554	2	10	✓		0	0	pump - weak blow + suck on 9 5/8"
1559	2	49.1	-		0	0	start 135 sx Premium Plus HCC w/ 2 1/2" cc + 1 1/2" floater downhole @ 12.5'
1602							evolution established w/ 18 1/2" out
1607							Partial returns w/ 10 bbls out
1611							full returns w/ 18 bbls out
1620	2	17.6	-		0	0	start 75 sx Premium Plus w/ 2 1/2" cc - 1 1/2" floater downhole @ 14 1/2" gal
1630	2	26.5	-		0	0	trash cut - start displacement partial returns w/ 6 bbl displacement out
1639					100	100	Pressure w/ 17 bbls out
1655					700	700	close tool
1656	1/2	1/2			950	950	Test - tool closed
1659	7	50	✓		700	700	Reverse out - 1 bbl to pit
1708							shut down - Rig off well head
1715							T.O.D.H w/ tools
1815							Tools on bench
1830							Released from duty

RECEIVED
 KANSAS CORPORATION COMMISSION
 FEB 2 1994
 CONSERVATION DIVISION
 WICHITA, KS

Thank You for calling
 -Halliburton
 Jeff + Dana
 Bob + Denny