

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

Operator: License # 30915 ✓
Name: Richfield Gas Storage System
Address 4200 E. Skelly Dr.
Suite 1000
City/State/Zip Tulsa, OK 74135
Purchaser: Rick Estes
Operator Contact Person: Robert L. Hull
Phone (918) 747-7000 (918) 488-9100
Contractor: Name: Zenith Drld. Co.
License: Unknown
Wellsite Geologist: Harold Frauli
Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOV 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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

3/24/93 3/31/93 7/20/93
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21171-0000
County Morton
NW SE Sec. 1 Twp. 32S Rge. 42 E
2500 Feet from S (circle one) Line of Section
2600 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Johns Well # 3-1
Field Name Richfield West
Producing Formation Morrow
Elevation: Ground 3460 KB 3472'
Total Depth 5220' PBTB 5155'
Amount of Surface Pipe Set and Cemented at 1482 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 cnt.

Drilling Fluid Management Plan COF 2/2/94
(Data must be collected from the Reserve Pit)

Chloride content 6000 ppm Fluid volume 300 bbls

Deaerating method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. 1 Twp. 32S Rng. 42 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 8/12/93
Subscribed and sworn to before me this 13th day of August,
1993
Notary Public 9-11-96
Date Commission Expires Kim M. Miller

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution AUG 16 1993
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Richfield Gas Storage Lease Name Johns Well # 3-1
 Sec. 1 Twp. 328 Rge. 42 East West
 County Morton

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
<input checked="" type="checkbox"/>	Name Top Datum	
	Morrow Shale 4604' -1132'	
	Morrow G-1 Sand 4944' -1472'	
	Morrow G-2 Sand 4992' -1520'	
	Morrow Keyes 5072' -1600'	
	Miss. Chester Ls. 5142' -1670'	

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	12 1/4	9 5/8	36	1482'	Lite+"C"	360+150	2% CaCl2
Production	8 3/4	7	23	5194'	Thixset+"C"	130+135	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	Morrow G-2, 4996'-5010'	2000 gal 15% FE acid	
8	Morrow Keyes, 5074'-92'	2000 gal 15% FE acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8	5037'	5037'		

Date of First, Resumed Production, SMD or Inj. N/A-Observation well Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 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 Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 4996-5010'
5074'-92'

ORIGINAL



HALLIBURTON SERVICES

REMIT TO:

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

A Halliburton Company

INVOICE NO.	DATE
304840	03/23/1993

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
JOHNS 1-3	MORTON	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	ZENITH #1	CEMENT SURFACE CASING	03/23/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
44356	H. FRAULT		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	48675

RECEIVED
PANDA RESOURCES INC.
MAY 05 1993

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

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	RICING AREA - EASTERN AREA1 MILEAGE	15	MI	2.75	41.25
001-016	CEMENTING CASING	1482	FT	945.00	945.00
16A	CASING SHOE - 9 5/8" 8RD THD.	1	EA	245.00	245.00
830.2211	INSERT FLOAT VALVE - 9 5/8" 8RD	1	EA	205.00	205.00
24A	FILL-UP UNIT 9 5/8"-13 3/8"	1	EA	60.00	60.00
815.19551	CENTRALIZER 9-5/8" X 12.25"	3	EA	64.00	192.00
27	CEMENT BASKET 9 5/8"	1	EA	135.00	135.00
815.19615	FASGRIP LIMIT CLAMP 9 5/8"	1	EA	14.30	14.30
40	CEMENTING PLUG 5W, PLASTIC TOP	9 5/8	IN	140.00	140.00
807.93065	CEMENT - PREMIUM PLUS	150	SK	8.95	1,342.50
320	CEMENT - HALL. LIGHT PREM PLUS	360	SK	8.05	2,898.00
800.8889	FLOCELE	90	LB	1.26	126.00
66	ANHYDROUS CALCIUM CHLORIDE	9	SK	25.42	254.25
807.64061	BULK SERVICE CHARGE	534	CFT	1.25	667.50
030-018	MILEAGE CMTG MAT DEL OR RETURN	360.870	TOOT	85	306.74
504-050	INVOICE SUBTOTAL				7,572.54
504-120	DISCOUNT-(BID)				2,650.35-
507-210	INVOICE BID AMOUNT				4,922.19
509-408	*--KANSAS STATE SALES TAX				209.78

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

1620-10

WA

***** 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



ORIGINAL

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

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
304844	03/31/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
JOHNS 1-3	MORTON	KS	RICHFIELD GAS		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
TIBERAL	NONE	CEMENT PRODUCTION CASING	03/31/1993		
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
44356	H. FRAULI			COMPANY TRUCK	48805

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

RECEIVED
PANADA RESOURCES INC.
MAY 05 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	RICING AREA - EASTERN AREA1 MILEAGE	15	MI	2.75	41.25
001-016	CEMENTING CASING	5236	FT	1,565.00	1,565.00
030-016	CEMENTING PLUG 5W ALUM TOP	7	IN	90.00	90.00
018-315	MUD FLUSH	1000	GAL	.65	650.00
018-316	PVS SPACER	500	GAL	.33	165.00
030-017	CEMENTING PLUG 5W, ALUM BOTTOM	7	IN	145.00	145.00
4A	COLLAR-FLOAT-SUPER SEAL II- 7	1	EA	315.00	315.00
836.14100					
5A	SHOE-FLOAT-SSII 7IN. 8RD	1	EA	261.00	261.00
837.14100					
40	CENTRALIZER 7" X 8.5-8.75"	9	EA	57.00	513.00
807.93043					
66	FASGRIP LIMIT CLAMP 7"	1	EA	12.70	12.70
807.64046					
73	CMTR-FD-7" 8RD 20-23# W/VITON	1	EA	4,200.00	4,200.00
813.0161					
320	CEMENT BASKET 7"	2	EA	120.00	240.00
890.8886	HALLIBURTON WELD-A	1	LB	14.50	14.50
890.10802					
504-043	CEMENT - PREMIUM	130	SK	8.649	1,129.70
508-002	POTASSIUM CHLORIDE	300	LB	.27	81.00
508-101	THIXSET COMPONENT A	122	LB	5.35	652.70
508-103	THIXSET COMPONENT B	31	LB	8.00	260.40
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

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

INVOICE

HALLIBURTON SERVICES

A Halliburton Company



ORIGINAL

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

INVOICE NO. 345646 DATE 06/12/1993

WELL/LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
JOHNS 3-1		MORTON		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
T RERAL		POOL	RECEMENT		06/12/1993
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
64356	E. E. DETTMER			COMPANY TRUCK	51971

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

JUN 21 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	TRICING AREA - EASTERN AREA1 MILEAGE	15	MI	2.75	41.25
		1	UNT		
009-019	PLUGGING BK SPOT CEMENT OR MUD	3496	FT	1,255.00	1,255.00
		1	UNT		
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 CMRG MAT DEL OR RETURN	149.05	TMI	.85	126.69
INVOICE SUBTOTAL					3,644.39
DISCOUNT-(BID)					1,275.51-
INVOICE BID AMOUNT					2,368.88
# 345646 6/12					
* KANSAS STATE SALES TAX					74.79
CHECK TOTAL: * SEWARD COUNTY SALES TAX					15.25
PROSPECT OR WELL: RBS012					(2,458.92)
ACCOUNT CODING					
MAIN	352.0	SUB	8226		
1630					
JIB DECK: RBS					
APPROVED	23707				
PAID 7/8					
DATE	CHECK				
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,458.92

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

ENTERED JUL 0 9 1993

170.826

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



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
304844	03/31/19

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
JOHNS 1-3		MORTON		KS	RICHFIELD GAS	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL		NONE	CEMENT PRODUCTION CASING		03/31/19	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE	
664356	H. FRAULI	KANSAS CORPORATION	COMMISSION	COMPANY TRUCK	483	

FEB 2 1994

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

CONSERVATION DIVISION
WICHITA, KS

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 AREA1 MILEAGE	15	MI	2.75	41.25
001-016	CEMENTING CASING	5236	FT	1,565.00	1,565.00
030-016	CEMENTING PLUG SW ALUM TOP	7	IN	90.00	90.00
018-315	MUD FLUSH	1000	GAL	.65	650.00
018-316	PVS SPACER	500	GAL	.33	165.00
030-017	CEMENTING PLUG SW, ALUM BOTTOM	7	IN	145.00	145.00
4A	COLLAR-FLOAT-SUPER SEAL II- 7	1	EA	315.00	315.00
836.14100		1	EA		
5A	SHOE-FLOAT-SSII 7IN. BRD	1	EA	261.00	261.00
837.14100					
40	CENTRALIZER 7" X 8.5-8.75"	9	EA	57.00	513.00
807.93043					
66	FASGRIP LIMIT CLAMP 7"	1	EA	12.70	12.70
807.64046					
73	CHTR-FC-7" BRD 20-23# W/UTON	1	EA	4,200.00	4,200.00
913.0161					
820	CEMENT BASKET 7"	2	EA	120.00	240.00
880.8886	HALLIBURTON WELD-A	1	LB	14.50	14.50
890.10802					
504-043	CEMENT - PREMIUM	130	SK	8.69	1,129.70
508-002	POTASSIUM CHLORIDE	300	LB	.27	81.00
508-101	THIXSET COMPONENT A	122	LB	5.35	652.70
508-103	THIXSET COMPONENT B	31	LB	8.40	260.40
500-207	BULK SERVICE CHARGE	130	CFT	1.25	162.50
500-306	MILEAGE CHRG MAT DEL OR RETURN	95.0475	TMI	.85	80.79

***** 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 ON UNPAID BALANCE FROM DATE OF INVOICE AT AN ANNUAL RATE APPLICABLE TO ALL DELINQUENT ACCOUNTS. HALLIBURTON SERVICES, INC. IS A SERVICE COMPANY. NECESSARY TO EMPLOY AN APPROVED...

JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

Okla City Ok
Liberal ks

BILLED ON TICKET NO. 304844

WELL DATA

SEC. 1 TWP. 32S RANG. 42W COUNTY Morton STATE KS

NAME _____ TYPE _____
 THICKNESS _____ FROM _____ TO _____
 PROD OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 ESSENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE Chrom MUD WT. 8.9
 PACKER TYPE FD Tool SET AT 3520
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 5220

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	23	7"	KB	5196	1500
LINER						
TUBING						
OPEN HOLE			8 3/4	SP	5220	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>35 II 7"</u>	<u>1</u>	<u>Houco</u>
FLOAT SHOE <u>35 II</u>	<u>1</u>	<u>Houco</u>
GUIDE SHOE <u>35 Gas Grip</u>	<u>1</u>	<u>Houco</u>
CENTRALIZERS <u>S-h</u>	<u>10</u>	<u>Houco</u>
TOP PLUG <u>S-w</u>	<u>1</u>	<u>Houco</u>
HEAD <u>02PC</u>	<u>1</u>	<u>Houco</u>
PACKER <u>Basket</u>	<u>2</u>	<u>Houco</u>
WELLS <u>Fc Tool</u>	<u>1</u>	<u>Houco</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-31-93</u>	DATE <u>3-31-93</u>	DATE <u>3-31-93</u>	DATE <u>3-31-93</u>
TIME <u>07:30</u>	TIME <u>12:00</u>	TIME <u>21:00</u>	TIME <u>21:55</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Bohannon</u> <u>87748</u>	<u>40076 P.O.</u>	<u>Liberal ks</u>
<u>T. Broadfoot</u> <u>04604</u>		
<u>K Myres</u> <u>59018</u>	<u>3625</u> <u>4734 B</u>	<u>Hugoton ks</u>

RECEIVED

KANSAS CORPORATION COMMISSION

FEB 2 1994

CONSERVATION DIVISION
WICHITA, KS

DEPARTMENT Cement
 DESCRIPTION OF JOB 035

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Bohannon

HALLIBURTON OPERATOR T Bohannon COPIES REQUESTED _____

CEMENT DATA

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

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 REATING _____ DISPL _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 REASON Shoe JT

SUMMARY

VOLUMES

PRESLUSH: 200 BBL-GAL 1500 gal TYPE Mod flush
 LOAD & BKDN: BBL-GAL _____ PAD BBL-GAL _____
 TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 202.5
 CEMENT SLURRY: 200 BBL-GAL 32.6
 TOTAL VOLUME: BBL-GAL _____

REMARKS

CUSTOMER: Wanda Exploration
 LEASE: Johns
 WELL NO.: 1-3
 JOB TYPE: 035
 DATE: 3-31-93

WELL NO. 1-3 LEASE Johns TICKET NO. 304844
 CUSTOMER Panama Expl. Richfield ^{Co.} ~~Stacy~~ PAGE NO. 1
 JOB TYPE 035 DATE 3-31-93

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
07:50							Call out 12:00
12:00							ON hoc Ric oil lay down RP WC
16:00							Start 7" CSB in Hole
19:55							Hook cir CSB Down
20:55							Cir Hole
							Safety Meeting Mr. Frawley & Crew
21:00							Start Job
					250		Bottom Plug
	6	10					Mud Flush
	"	10					PVS-5
	"	10					Mud Flush
	"	32.6					130 SK Thru set "H"
21:19							Stop Wash-up Drop Top Fly
21:22	7				150		Start Displ w 2% KCL H ₂ O
	"				250		
	3	190			300		
21:35		202.5			500		Plug Down float Holding

ORIGINAL

RECEIVED
 KANSAS CORPORATION COMMISSION

FEB 2 1994

CONSERVATION DIVISION
 WICHITA, KS

Thank You
 Tim & Crew



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
345646	06/12/1994

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
OHNS 3-1		MORTON		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
LIBERAL	POOL	RECEMENT			06/12/1994
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE N
4356	E. E. DETTMER			COMPANY TRUCK	5197

ORIGINAL

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

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
00-117	MILEAGE	15	MI	2.75	41.25
		1	UNT		
09-019	PLUGGING BK SPOT CEMENT OR MUD	3496	FT	1,255.00	1,255.00
		1	UNT		
04-120	CEMENT - HALL. LIGHT PREM PLUS	135	SK	8.05	1,086.75
04-050	CEMENT - PREMIUM PLUS	75	SK	8.95	671.25
09-406	ANHYDRDUS CALCIUM CHLORIDE	4	SK	28.25	113.00
07-210	FLOCELE	53	LB	1.40	74.20
00-207	BULK SERVICE CHARGE	221	CFT	1.25	276.25
00-306	MILEAGE CMTG MAT DEL OR RETURN	149.05	THI	.85	126.69
INVOICE SUBTOTAL					3,644.39
DISCOUNT-(BID)					1,275.51-
INVOICE BID AMOUNT					2,368.88
*-KANSAS STATE SALES TAX					74.79
*-SEWARD COUNTY SALES TAX					15.25
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,458.92

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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 12% PER ANNUM. IN THE EVENT OF DISPUTE, CUSTOMER AGREES TO EMPLOY AN ATTORNEY AT HIS OWN EXPENSE.

JOB SUMMARY

HALLIBURTON DIVISION EASTERN AREA 1
 HALLIBURTON LOCATION LIBERAL KS.

BILLED ON TICKET NO. 345687

CUSTOMER PANADA EXPLORATION
LEASE JOHNS
WELL NO. 3-1
JOB TYPE CEMENT 70 TOOL DATE 6-12-93

WELL DATA
 SEC. 1 TWP. 32S RANG. 42W COUNTY MORTON STATE Ks.

NAME _____ TYPE _____
 CEMENT 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 70 TOOL SET AT 3496
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	23	7	K.B.		
LINER						
TUBING	U	6.4	2 1/8	K.B.	34 1/2	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-12-93</u> TIME <u>0500</u>	DATE <u>6-12-93</u> TIME <u>750</u>	DATE <u>6-12-93</u> TIME <u>110</u>	DATE <u>6-12-93</u> TIME <u>1530</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
<u>CLARK 71281</u>	<u>40089</u>	<u>LIBERAL KS.</u>
<u>EBERSOLE C2673</u>	<u>40076</u>	<u>"</u>
<u>BROADFOOT D4604</u>	<u>52276</u>	<u>"</u>
<u>MARIN F4549</u>	<u>76900</u>	<u>"</u>
	<u>50866</u>	<u>HUGOTON KS.</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 _____
 VE AGENT TYPE _____ GAL _____ IN _____
 FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN _____
 GELLING AGENT TYPE _____ GAL-LB _____ IN _____
 TRIC. RED. AGENT TYPE _____ GAL-LB _____ IN _____
 BREAKER TYPE _____ GAL-LB _____ IN _____
 LOCKING AGENT TYPE _____ GAL-LB _____ IN _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

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 DEPARTMENT TOOLS
 DESCRIPTION OF JOB RUN F.O. SLEEVES POSTERS TO CEMENT F.O. TOOL
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X E. E. [Signature]
 HALLIBURTON OPERATOR Jeff Clark COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS/GAL
1	135	PREMI PLUS LT		B	2% C.C. - 1/4% 7LOCLE	2.05	12.3
1	75	PREMI PLUS		B		1.32	14.8

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 VERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN INSTANT _____ 5-MIN. _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 BEATING 3 DISPL. 3 OVERALL 3
 CEMENT LEFT IN PIPE _____
 ECT 0 REASON _____

SUMMARY

PRESLUSH: BBL-GAL _____ TYPE _____
 LOAD & BKDN 15 + 40 BBL-GAL _____ PAD: BBL-GAL _____
 TREATMENT: BBL-GAL _____ DISPL. 20.25 BBL-GAL _____
 CEMENT SLURRY: 49-18 BBL-GAL _____
 TOTAL VOLUME: BBL-GAL 142.25
 REMARKS NO circulation weak blow or static conditions throughout job on 85%

WELL NO. 3-1 LEASE JOHNS TICKET NO. 34-637
 CUSTOMER PANAMA EXPLORATION PAGE NO. _____
 JOB TYPE CEMENT 7" 7.6. T.C. DATE 6-12-93

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
0500							CALLED OUT EMERGENCY 0500
0750							ON LOCK WAIT ON STRIPPER HEAD
0800							ORDER out stripper head
0915							ORDER out TONG HEADS
1110							TTH w/ FO Fingers + 112 - 1 1/2
							4.0 tbg sub 2 1/2
							7.0 open tweezers
							2.0 tbg sub 2 1/8
							Closing fingers
							FO @ 3196
1210							Rig up to well head
1325	1	1/2	/		1000	1000	Pressure test
1327					200/50		Bleed pressure off to 200 Psi and
							OPEN FO Tool - pressure falls to 50 Psi
1328	3.2	15	/		600	600	Establish rate
							slight blow on the Annulus
1334							start mixing
1336	3.2	49.3	/		500	500	start 135 cc Prem Plus "HLL" w/ 2 1/2 gal
							+ 1/4 #/gal sludge downhole @ 12 3/4 gal
1332	3	17.6	/		50	50	start 15 cc Prem Plus downhole
							@ 14.8 #/gal
1358	3	20.25	/		50	50	start displacement
1405					450	450	finish displacement - close tool
1407	1/2	1/2	/		1000	1000	Pressure test
1404	5	40	/		750	750	Reverse out - 1/2 unit to DT
1417	1/2	1/2	/		1000	1000	Pressure test
1420							Release pressure & rig off
							well head
1425							TOTH w/ tools
1515							Tools on back
1520							Released from duty

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Thank You for Calling
 Halliburton
 Jeff

PANADA EXPLORATION, INC.

4200 East Skelly Drive
Suite 1000
Tulsa, Oklahoma 74135
(918) 492-5806

SPUD
3-2-92
Rel. 3-2-93

RELEASED

August 21, 1992

DEC 29 1993

FROM CONFIDENTIAL

ORIGINAL

Kansas Corporation Commission
200 Colorado Derby Building
Wichita, Kansas 67202

RE: Russell 2-1 RE
Russell 1-1X
Morton County, Kansas

Dear Sir:

We request confidentiality on the subject wells. We understand that this information will remain confidential for a 12-month period.

We are also submitting logs on the Russell 1-1X but not on the Russell 2-1 RE. Logs were submitted on the latter well when it was originally drilled by Coastal Oil and Gas.

If you have questions, please call.

Yours very truly,



Mark E. Repasky
Vice President

MER/mh

attachments

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STATE CORPORATION COMMISSION

AUG 24 1992

CONSERVATION DIVISION
Wichita, Kansas