

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

API #15-069-20,251
County G

Operator License # 3637

SW - SW - NE - Sec. 16 Twp. 24S Rgs. 30

Name: Northland Royalty Operating Co.

2970 Feet from S/W (circle one) line of section

Address: 3030 Fourth Avenue North

2310 Feet from E/W (circle one) line of section

City/State/Zip: Billings, MT 59101

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

Operator Contact Person: Peter Sheehan

Lease Name: Gates Well # 7-16 M1H

Phone: (406) -259-5400

Field Name: Gray Line CD Not Finds NP2945

Operator Name: Emphasis Oil Operations

Producing Formation: St. Louis B

License: 8241

Elevation: Ground 2851' KB 2856'

Geologist: Wes Hansen

Total Depth 4995' PSTD 4950'

Type of Completion: 2-31-94

Amount of Surface Pipe Set and Cemented at 310 Feet

New Well Re-Entry Workover

Multiple Stage Cementing Collar Used? Yes Yes No

Oil SUD SIOV

If yes, show depth set 3015' Surface Feet

Gas ENMR SICV

Completion, cement circulated from 4995'

Dry Other (Core, WSV, Expl., Cathodic)

feet depth to 4250' w/ 150 sk cat.

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

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 24,000 ppm Fluid volume 2,000 bbls

Well Name: _____

Dewatering method used Evaporation

Comp. Date: _____ Old Total Depth: _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Inj/SVD

Operator Name: _____

Plug Back PSTD

Lease Name: _____ License No. _____

Commingled Docket No. _____

Quarter 3 Sec. _____ Twp. _____ Rgs. _____ E/W _____

Dual Completion Docket No. _____

County _____ Docket No. _____

Other (SVD or Inj?) Docket No. _____

7/6/93 7/19/93 10/27/93

Start Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Corby 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 COSTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

I, _____, 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: Joseph J. Sheehan
Title: Treasurer Date: _____

Subscribed and sworn to before me this 28th day of October, 1993.

Notary Public: Joseph J. Sheehan

Notary Commission Expires: 10/27/95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SVD/Rep NEPA
KGS Plug Other (Specify)

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

KCC

OCT 29

Operator: License # 3637

Name: Northland Royalty Operating Co.

Address 3030 Fourth Avenue North

City/State/Zip Billings, MT 59101

Purchaser: _____

Operator Contact Person: Peter Sheehan

Phone (406) -259-5400

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Wes Hansen

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas EMHR 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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

7/6/93 7/19/93 10/27/93
Spud Date Date Reached TD Completion Date

API #15-069-20,251-0000
County Gray

CONFIDENTIAL

SW - SW - NE - Sec. 16 Twp. 24S Rge. 30 E W

2970 Feet from S/N (circle one) Line of Section

2310 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 Gates Well # 7-16

Field Name Gray Line

Producing Formation St. Louis B

Elevation: Ground 2851' KB 2856'

Total Depth 4995' PBDT 4950'

Amount of Surface Pipe Set and Cemented at 310 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3015' - Surface Feet

If Alternate II completion, cement circulated from 4995'

feet depth to 4250' w/ 150 sx cnt.

Drilling Fluid Management Plan ALT 2 12-21-93
(Data must be collected from the Reserve Pit)

Chloride content 24,000 ppm Fluid volume 2,000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

RELEASED

Operator Name _____

Lease Name _____ License No. _____

Quarter SE FROM CONFIDENTIAL 5 16 E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado [Dorby 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 Joseph P. Sheehan
Title President Date 10/28/93

Subscribed and sworn to before me this 28th day of October
19 93

Notary Public Joseph P. Sheehan
Date Commission Expires 10/27/95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
G Geologist Report Received
RECEIVED
STATE CORPORATION COMMISSION
NOV 01 1993
KCC
KGS
Distribution
SUD/Rep _____ NGPA
Plug _____ Other _____
(Specify)

CONSERVATION DIVISION
Wichita, Kansas

Operator Name Northland Royalty Oper. Co. Lease Name Gates Well # 7-16

Sec. 16 Twp. 24S Rge. 30 East West County Gray

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.)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

See Attached Drillers Log

List All E.Logs Run: **CEMENT BOND**
DUAL INDUCTION
COMPENSATED DENSITY

KCC
 JPH

CASING RECORD <input type="checkbox"/> New <input checked="" 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
Surf Casing	7 & 7/8	8-5/8"		S-310'	Prem. Exp	150	2% Cal Cl
Casing	7 & 7/8	4 & 1/2	11.6lb	S-4995	HLC Prem	470'	7% EA2, .6% Halad 322 ±0% 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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 per ft.	No BP - Perf from 4863' - 4869'	500 gal 15% HCL - Initial	4863 -
"	"	2000 gal Mod 202 - Retreat	4869

TUBING RECORD Size 2 & 3/8 Set At 4845' Packer At - Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 40bl Bbls. Gas 2800 Mcf cu. ft. Water 2% Bbls. Gas-Oil Ratio .70 cu. ft. per bbl Gravity 28

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 4863 - 4869

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LITHOLOGICAL EVALUATION AND TOPS OF PROJECTED
HORIZONS ON THE GATES 7-16 WELL

API# 15-069-20251

KCC

4100 to 4580

Lansing Kansas City
Oolitic Sections
4260 to 86
4370 to 90

No shows
No shows

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Marmington	4580 to 4654	
Pawnee	4654 to 4681	- Limestone
Ft. Scott	4681 to 4696	
Cherokee	4696 to 4827	
Marrow	4827 to 4832	- Sand
St. Genevieve	4832 to 4866	- Limestone
St. Louis	4866 to TD	- Limestone

A B & C

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CONSERVATION DIVISION
Wichita, Kansas

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ORIGINAL

Northland Royalty
 7-16 Gates 2856' KB
 SESENE 16-24-30W

Log	Spl	
	<u>Depth</u>	<u>Datum</u>
Base of Anhydrite	-----	-----
Heebner	4045	-1189
Lansing	4096	-1240
Stark	4419	-1563
Hushpuckney	4466	-1610
Marmington	4582	-1726
Pawnee	4654	-1798
Ft. Scott	4681 - 4696	
Cherokee	4698	-1842
Marrow	est. (4826)	
Miss. St. Genevieve	est. (4842)	
St. Louis 'C' Zone	est. (4941)	

KCC

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CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER: WELL OPERATING
LEASE: WELL NO. 7-116
JOB TYPE: WELL OPERATING
DATE: 1-1-93

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WELL DATA

FIELD: _____ SEC. 16 TWP. 24S RNG. 30W COUNTY GRAY 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 D.V. TOOL SET AT 3015
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	11.6	4 1/2	K.B.	4791	
LINER						
TUBING	U	24	8 3/8	C.L.	310	
OPEN HOLE			7 7/8	310	4975	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-13-93</u>	DATE <u>7-19-93</u>	DATE <u>7-19-93</u>	DATE <u>7-19-93</u>
TIME <u>2200</u>	TIME <u>0300</u>	TIME <u>1355</u>	TIME <u>1930</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT-COLLAR <u>INSERT FLOAT 4 1/2</u>	1	
GUIDE SHOE <u>FILLUP ASSY "</u>	1	
GUIDE SHOE <u>REGULAR "</u>	1	
CENTRALIZERS <u>S-4 "</u>	7	
BOTTOMHOLE <u>PLUG SET "</u>	1	
TUBING <u>CEMENT BASKET "</u>	1	
HEAD <u>ROTO WALL CLEANER 2 1/2</u>	4	
PACKER <u>D.V. TOOL 4 1/2</u>	1	
OTHER <u>HOWE WELD "A" 1 LB</u>	1	KOC
CLAMPS-7AS GRIPS 4 1/2	MATERIALS 10	

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
BROADFOOT <u>D4004</u>	40048	LIBERAL KS.
SAUBER <u>64781</u>	52276 76900	"
NIARIN <u>F4547</u>	3626 4515	HUGOTON KS.
HOWE <u>F7343</u>	4449 7649	"

TREAT. FLUID _____ DENSITY _____ OCI 2.8 LB/GAL. API
DISPL. FLUID _____ DENSITY _____ LB/GAL. API
PROP. TYPE _____ SIZE _____
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
SURFACTANT TYPE _____ GAL. _____ IN
NE AGENT TYPE _____ 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 _____
DESCRIPTION OF JOB CEMENT 4 1/2 D.V. LONG STRING
D.V. TOOL SET @ 3015 FT.
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X P. L. Hill
HALLIBURTON OPERATOR Jim Broadfoot COPIES REQUESTED _____

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CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT./SKT	MIXED LBS./GAL.
1	150	PREM		B	72ER2 - 10% SALT - 12.4% HALAD 322	13.5	15.4
2	450	PREM PLUS KT		B	2% CC - 1/4% 7L C-15	2.1	12.2
2	50	PREM PLUS		B		1.32	14.8

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL.-GAL. 1ST STAGE 5-5 TYPE MUDFLUSH-H2O
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 425
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 1ST STAGE 36-2.1 168+12
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 15.93 REASON SHOE JT.

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NOV 01 1993
OBSERVATION DIVISION
Wichita, Kansas
CUSTOMER



JOB LOG FORM 2013 R-3

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
NORTHLAND ROYALTY OPER. Co.		7-116		GATE		4 1/2" D.V. LONG STRING		507365	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	2200								CALLED OUT READY FOR FLOAT EQUIPMENT TO ARRIVE ON LOC. - L.O.D.P.
	0200								
	0530								KCC
	0830								OCT 29 --- WELDER ON LOC. WAITING
	1030								START CSG IN HOLE
	1235								HOOK UP SWEDGE TO PUMP BALL WITH RIG
	1240								BRK CIRCULATION TO PIT
	1318								HOOK UP ROTATING HEAD UP
	1321								BRK CIRCULATION TO PIT
	1355								HOOK UP CMT LINE ON TRUCK
	1356		5				0/200		PUMPED SPACER AND FLUSH
	1359		5				200		PUMPED SPACER H2O
	1403		36				200/180		PUMPED CMT 15.4"/gal
	1412	0	0				0		DROP TOP PLUG FIRST PLUG
	1418	4	30				50/180		PUMPED DISPLACEMENT H2O
	1425	3	77				185/180		SLOW DISPLACEMENT MUD
	1438	0	0				185/180		BUMP PLUG - HELD
	1440	0	0				0		DROPPED OPENING TOOL
	1500	2	9				185/180		PUMPED OPENING TOOL OPEN
	1505	0	0				0		HOOK UP TO RIG TO CIRCULATE
									4 HRS. - THEN 2ND STAGE 1830
									2ND STAGE
	1830								HOOK UP TO CMT LINE
	1833	8	168				40/200		PUMP LEAD CMT 12.3"/gal
	1913	4	12				200		PUMP TAIL CMT 14.5"/gal
	1917	0	0				0		DROP TOP PLUG
	1925	6	37				165/200		PUMP DISPLACEMENT
	1930	3	47				165/200		SLOW DISPLACEMENT
	1933	0	0				0		BUMP PLUG
	1934	0	0				165/200		END JOB - FLOAT HELD

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2ND STAGE

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STATE CORPORATION COMMISSION
 TANNER FOR CALLING
 HALLIBURTON ENERGY SERVICES
 NOV 01 1993
 TIM BRADEN & CREW
 CONSERVATION DIVISION
 Wichita, Kansas



CHARGE TO:
 NORTHLAND ROYALTY OPERATING CO
 ADDRESS
 3030 FOURTH AVE. NORTH
 CITY, STATE, ZIP CODE
 BILLING MONTANA 59101

COPY
 15-069-20251-0000
 No. 507365 - 1
 TICKET
 PAGE 1 OF 2

FORM 1906 R-12

1. SERVICE LOCATIONS LIBERTY KS	WELL/PROJECT NO. 7-16	LEASE GATE	COUNTY/PARISH GRAY	STATE KS.	CITY/OFFSHORE LOCATION	DATE 1-18-93	OWNER Northland Royalty Co
2. TICKET TYPE X SERVICE	NITROGEN JOB? YES	CONTRACTOR EMPHASIS DRUGS	RIG NAME/NO. EMPHASIS - RIG 7	SHIPPED	DELIVERED TO K.C.T.	ORDER NO.	
3. SALES	NO	WELL TYPE OI	WELL CATEGORY OI	JOB PURPOSE 035	WELL PERMIT NO.	WELL LOCATION E OF GRAND CITY	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
000-117			KCC		MILEAGE	30	MI	1	UNIT	2
007-013	011-016		KCC	OCT 29	PUMP CHARGE	4771	FT	8	HRS	1
007-161					ADDITIONAL STAGE	315	FT	1	STAGE	1
007-23					ADDIT. HRS.	4	HRS	22.11	FT	11
350	896.18.2				11" W/O WELD "A"	1	W/O	1	W/O	17.50
320	010-9881				CAT MARKET	4	W/O	11	" "	105
60	807.0007				R.T. - WALL CLEANERS	2 1/2	W/O	4	EA	221
40	807.9304				S-4 CENTRALIZERS	4 1/2	W/O	7	EA	431
24A	813.1911				INSERT FLAT VALVE	1	" "	1	EA	73
27	813.1911				FILLUP ASSY.	1	" "	1	" "	75
71	813.5010				D.V.T.L	1	" "	1	" "	2474
75	813.16410				PLUG SET	1	" "	1	" "	451

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 NOV 07 1993
 CONSERVATION DIVISION
 Wichita Kansas

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	
BEAN SIZE	SPACERS	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>		
WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>		
OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>		
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>		
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	51751
FROM CONTINUATION PAGE(S)	8246-05
SUB-TOTAL	
APPLICABLE TAXES WILL BE ADDED ON INVOICE	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
Slone	X Peter All	Jim - Bradford	14614	1509905

CUSTOMER Northland Royalty Co.	WELL Gate #7-16	DATE 07-19-93	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M			
504-043	516.00272					Premium Cement	150	sk			8.69	1303	50
504-050	516.00265					Premium Plus Cement	50	sk			8.95	447	50
504-120						Halliburton Light Cement	450	sk			8.05	3622	50
504-050	516.00265												
506-105	516.00286												
506-121	516.00259												
507-210	890.50071					Flocele 3/4W/ 450	113	lb			1.40	158	20
507-775	516.00144					Halad-322 .48W/ 450	56	lb			6.90	386	40
508-127	890.50131					EA-2 78W/ 150	10	sk			20.70	207	00
509-406	890.50812					Calcium Chloride 28W/ 450	8	sk			28.25	226	00
509-968	516.00315					Granulated Salt 108W/ 150	748	lb			.13	97	24
66	507.64021					7HS GRIPS	10	EA	4 1/2 IN		11.20	112	-
12A	525.201					REGULAR GLOBE SHOE	1	EA	" "			75	-
1018.315						DIUD FLUSH	250	GAL	1 GAL		.65	162	50
017.241						1325 1/2 IN. 126 TATONKA HEAD			4 1/2 IN			155	00

MCC
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500-207	SERVICE CHARGE	CUBIC FEET	698	1.25	872.50
500-306	MILEAGE CHARGE	TOTAL WEIGHT	62,856	LOADED MILES	15
		TON MILES	471.42		85
					400.71

CONTINUATION TOTAL 3246.75

CONFIDENTIAL

15-069-20251-0000

ORIGINAL

KCC

Phone 913-483-2627, Russell, Kansas
Phone 316-793-5861, Great Bend, Kansas

OCT 29

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

1407

new

Date	7-6-95	Sec	16	2 nd	18	Range	30	Called Out	9:00 P.M.	On Location	9:50 P.M.	Job Start	3:30 A.M.	Finish	3:45 A.M.
Lease	<i>Notes</i>	Well No.	7-16			Location		156 x 23 Jct 5 W 7 S 36 1/2 N 20 W 1/4 Sec 16 T2S R14E			County	State		<i>Home</i>	
Contractor	<i>Empress rig 7</i>					Owner					<i>Heartland Royalty Co.</i>				
Type Job	<i>Surface Cig.</i>					To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.									
Hole Size	<i>12 1/4</i>		T.D.		<i>315</i>		Charge To		<i>Empress</i>						
Csg.	<i>20 #</i>		Depth		<i>315</i>		Street								
Tbg. Size			Depth				City		State						
Drill Pipe			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Tool			Depth				Purchase Order No.		<i>0</i>						
Cement Left in Csg.	<i>15"</i>		Shoe Joint				x		<i>D.H. Hines</i>						
Press Max.			Minimum				CEMENT								
Meas Line			Displace		<i>X 19 1/2 R.R.L.</i>		Amount Ordered		<i>185.600 2x5</i>						
Perf.							Consisting of								

EQUIPMENT

Pumptrk	No.	Cementor	<i>Ben Lacy</i>
	<i>224</i>	Helper	<i>Keith</i>
Pumptrk	No.	Cementor	
		Helper	
Bulktrk		Driver	
Bulktrk	<i>116</i>	Driver	

DEPTH of Job	
Reference:	<i>Pump truck</i>
	<i>milage</i>
	<i>1-858 twp.</i>
	Sub Total
	Tax
	Total

Remarks: *Cement did come*

Aug 20 - 0714 1030

0914 1030

Allied Cementing Company

Dick at 4264

Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	RELEASED
JAN 11 1996	
Handling	FROM CONFIDENTIAL
Mileage	
Sub Total	
Total	
Floating Equipment	