

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

Operator: License # 7457

Name: Elder & Vaughn, Inc.
Address PO Box 18938

City/State/Zip Oklahoma City, OK 73154

Purchaser: _____

Operator Contact Person: Jack H. Vaughn

Phone (405-) 842-8877

Contractor: Name: Well Tech Services

License: _____

Wellsite Geologist: John B. Elder

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: Elder & Vaughn, Inc.

Well Name: Alexander 2-14

Comp. Date 12-2-97 Old Total Depth 3130'

XXX INSTALLED INVERTED DOWNHOLE PUMP
Deepening Re-perf. Conv. to Inj.
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. D-27,494

7-14-97 7-19-97 12-2-97
Date of START Date Reached TD Completion Date of
OF WORKOVER WORKOVER

API No. 15- 175-21643-0001

County Seward

W/2 - NE - NE - NW Sec. 14 Twp. 33S Rge. 32 X E

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

2145 Feet from E(W) (circle one) Line of Section

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

Lease Name Alexander Well # 2-14

Field Name Arkalon

Producing Formation Chase DISPOSAL ZONE: COUNCIL GROVE

Elevation: Ground 2788' KB 2800'

Total Depth 3130' PBTB 3080'

Amount of Surface Pipe Set and Cemented at 602' Feet

Multiple Stage Cementing Collar Used? Yes No X

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan REWORK JK 4-27-98
(Data must be collected from the Reserve Pit)

Chloride content 3600 ppm Fluid volume 600 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, 130 S. Market - Room 2078, 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 [Signature]
Title Vice President Date 12-3-97

Subscribed and sworn to before me this 3rd day of December, 19 97.

Notary Public [Signature]
Date Commission Expires 1-16-98

✓ WIC HAS 1 COPY

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

RECEIVED
STATE CORPORATION COMMISSION
DEC 08 1997

Operator Name Elder & Vaughn, Inc. Lease Name Alexander Well # 2-14

Sec. 14 Twp. 33S Rge. 32
 East
 West

County Seward

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 Datums	<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	Glorietta Sand	1082	(+1718)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wellington Anhydrite	2160	(+ 640)
List All E.Logs Run:		Herrington LS	2610	(+ 190)
		Upper Krider LS	2638	(+ 162)
		Lower Krider LS	2680	(+ 120)
		Winfield LS	2736	(+ 64)
		U. Rt Riley LS	2794	(+ 6)
		L. Ft Riley LS	2858	(- 58)
		Council Grove LS	2974	(- 174)

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	8 5/8	24	602	Howco-Mid-Con. Premium	250	3% cc & 1/4# Floccle
					Pozmix		
Production	7 7/8	5 1/2	15.5	3129	Pozmix	175	18% Salt, 12.5% Gilsomite & 0.75% CER-3

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				

PERFORATION RECORD - Bridge Plugs Set/Type
 Specify Footage of Each Interval Perforated

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
1	2682-92	1000 gals. 15% HCl	Fraced all perms w/ 20,000 gals 70 Quality Foam & 35,000# 12/10 Sand.
4	2640-52	1000 gals. 15% HCl	
	NEW PERFS FOR SWD		
2	2991-3002 & 3028-35	2000 gals. 15% HCl Acid	2991-3035

TUBING RECORD

Size	Set At	Packer At	Liner Run
2 3/8	2808	2808	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
12-3-97	<input 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
	0	320	125	--	--

Disposition of Gas: METHOD OF COMPLETION
 Vented Sold Used on Lease (If vented, submit ACO-18.)
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) Water disposed into perms 2991-3035 and never gets to surface.

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

175-216430000

Operator: License # 7457

Name: Elder & Vaughn, Inc.

Address PO Box 18938

City/State/Zip Oklahoma City, OK 73154

Purchaser: _____

Operator Contact Person: Jack H. Vaughn

Phone (405) 842-8878

Contractor: Name: Cheyenne Drilling Co.

License: 5382

Wellsite Geologist: John B. Elder

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOV Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Arkalon
(2)

Old Total Depth _____

perf. _____ Conv. to Inj/SWD
PBSD

Docket No. _____

Docket No. _____

Other (SWD or Inj?) Docket No. _____

Spud Date 7-14-97 Date Reached TD 7-19-97 Completion Date 8-3-97

API NO. 15- 175-216430000

County Seward

W/2 - NE - NE - NW Sec. 14 Twp. 33S Rge. 32 E

330 Feet from S/(H) (circle one) Line of Section

2145 Feet from E/(H) (circle one) Line of Section

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

Lease Name Alexander Well # 2-14

Field Name Arkalon

Producing Formation Chase

Elevation: Ground 2788' KB 2800'

Total Depth 3130' PBSD 3080'

Amount of Surface Pipe Set and Cemented at 602' 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 AH-12 2-11-98
(Data must be collected from the Reserve Pit) U.C.

Chloride content 3600 Fluid volume 600 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 Jack H. Vaughn

Title Vice President Date 8-27-97

Subscribed and sworn to before me this 27th day of August

Notary Public Carolyn Dorsey
Carolyn Dorsey
Date Commission Expires 1-16-98

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

Operator Name Elder & Vaughn, Inc.

Lease Name Alexander

Well # 2-14

Sec. 14 Twp. 33S Rge. 32
 East
 West

County Seward

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:

*Dual Spaced Neutron
 High Res. Ind. Log*

Name	Top	Datum
Glorietta Sand	1082	(+1718)
Wellington Anhydrite	2160	(+ 640)
Herrington LS	2610	(+ 190)
Upper Krider LS	2638	(+ 162)
Lower Krider LS	2680	(+ 120)
Winfield LS	2736	(+ 64)
U. Ft Riley LS	2794	(+ 6)
L. Ft Riley LS	2858	(- 58)
Council Grove LS	2974	(- 174)

CASING RECORD

Now 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	8 5/8	24	602	Howco-Mid-Con Premium	250	3% cc & 1/4# Flocele
Production	7 7/8	5 1/2	15.5	3129	Pozmix	175	18% Salt, 12.5% Gilsonite & 0.75% CFR-3

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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
1	2682-92		1000 gals. 15% HCl	
4	2640-52		1000 gals. 15% HCl	
			Fraced all perms w/20,000 gals.	
			70 Quality Foam & 35,000# 12/10 sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2720	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
8-20-97	<input 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
	0-	250	150		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
 (If vented, submit ACO-18.)

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

2640-2692



ORIGINAL

JOB SUMMARY 4239-1

TICKET # 235908 TICKET DATE 7-19-97

REGION North America	NWA/COUNTRY USA	BDA / STATE Ks	COUNTY Seward
MBU ID / EMP # L10102	EMPLOYEE NAME 59179 Dennis Conn	PSL DEPARTMENT 5001	
LOCATION L13200 Ks	COMPANY Elders & Vaughn	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION NE of L13200	DEPARTMENT 5001 Cement	JOB PURPOSE CODE 035 5 1/2 Prod String	
LEASE / WELL # 2-14- Alexander	SEC / TWP / R13 14 / 33 S / 32 W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
D Conn	S Telford		
J Nicholas			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
L120041	38	50866-7031	40				
52852 78202	38						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
7-18	7-18	7-19	7-19	7-19
TIME	2200	2300	0630	0750

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug	1	Houco
Head		
Packer		
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	15.5	5 1/2	K13	3124	
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				5 1/2 Prod String
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Used
	Avail.	
TREATED	AVERAGE RATES IN BPM	
	Disp.	Overall
FEET	CEMENT LEFT IN PIPE	
42	Reason	Shut down

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	175	50/50 P2	H	12 1/2% Gilsortite 18% SALT 75% CER3	1.50	13.6

Circulating Breakdown	Displacement Maximum	Preflush: Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment Gal - BBI	Disp: BBI - Gal 73.38
		Cement Slurr Gal - BBI	
		Total Volume Gal - BBI	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____



ORIGINAL

JOB LOG 4239-5

TICKET #	235908	TICKET DATE	7-19-97
BDA / STATE	Ks	COUNTY	Sevier
PSL DEPARTMENT	5001	CUSTOMER REP / PHONE	
WELL TYPE	02	API / UWI #	
DEPARTMENT	5001 Cement	JOB PURPOSE CODE	035 5 1/2 Prod String
SEC / TWP / RNS	14 / 33 3 / 32 W		

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	Lioniz	EMPLOYEE NAME	59179 Dennis Carter
LOCATION	L32101 Ks	COMPANY	Elderiz & Vaughn
TICKET AMOUNT		WELL LOCATION	NE of L32101
LEASE / WELL #	2-14- Alexander		

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
DGarr		Stetter					
J. M. Miles							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2206							Time called
	2330							Time called
	2400							Time ready
	0350							Start Pumping
	0630							Check in hole
	0630							Hook up to Geotech Co.
	0640							Geotech Co. 4/18
	0642							Geotech Mud for 6000 lbs
	0715							Hook up to Pump Truck
	0720	5				150		Start Mix Cement
	0722	/	46.75			150		Finish Mix Cement
	0729					0		SLT Comp
	0730							Wash Pumps & Dies
	0735	5				75		Start Displacement
	0750	/	73.35			425		Pump Run
						1000		Float Held. Create Mud Then at class

Thanks Tom Colley
 Halliburton Energy
 Dennis Carter & L32101

07-20-97 02:57:10
 07-20-97 02:57:10
 07-20-97 02:57:10



HALLIBURTON ENERGY SERVICES

1906-Q

CHARGE TO: Eldem & Vaughn

ADDRESS: _____

CITY, STATE, ZIP CODE: _____

ORIGINAL - DUNCAN COPY

TICKET

No.

235908 - 2

PAGE 1 OF 1

SERVICE LOCATIONS: 1. 25540 Lipeval Ks 2. 25535 Hagerston Ks

WELL/PROJECT NO.: 2-14 Alexander

LEASE: Alexander

COUNTY/PARISH: Seward Ks

STATE: Ks

CITY/OFFSHORE LOCATION: _____

DATE: 7-19-97

OWNER: Same

TICKET TYPE: SERVICE SALES

NITROGEN JOB? YES NO

CONTRACTOR: _____

RIG NAME/NO.: Cheyenne 045

SHIPPED VIA: _____

DELIVERED TO: Loc.

ORDER NO.: _____

WELL TYPE: _____

WELL CATEGORY: 0201

JOB PURPOSE: 035 5 1/2 Prod Stng

WELL PERMIT NO.: _____

WELL LOCATION: NE of Lipeval

REFERRAL LOCATION: _____

INVOICE INSTRUCTIONS: _____

JOB NOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY	UM	DTY	UM	UNIT PRICE	AMOUNT
			LOC	ACCT	OFF							
	000-117		1		28	MILEAGE	36	Miles			3.20	115.20
	000-119		1			Crew Mileage	36	Miles			1.95	70.20
	001-016		1			Pump charge	3124	FT				1730.00
	030-016		1			5" Tubing	1	End	5 1/2"		66.00	66.00
	001-018		1			Additional Valve	1	Ham			291.00	291.00
	001-018		1			"	1	Ham			291.00	291.00
	350-890-10802		1			Hawsweld A	1	1 LB			16.75	16.75

ORIGINAL

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.

DATE SIGNED: _____ TIME SIGNED: _____

A.M. P.M.

TYPE LOCK _____

BEAN SIZE _____

DEPTH _____

SPACERS _____

SUB SURFACE SAFETY VALVE WAS:

PULLED & RETURN PULLED RUN

TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____

TUBING SIZE _____ TUBING PRESSURE _____ WELL DEPTH _____

TREE CONNECTION _____ TYPE VALVE _____

PAGE TOTAL	2389	15
FROM CONTINUATION PAGE(S)	4422	52
	6711	47
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	4832	89

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): Eldem & Vaughn

HALLIBURTON OPERATOR/ENGINEER: Lig 102 Dennis Cox EMP # 59179

HALLIBURTON APPROVAL: Larry Smith 2870



TICKET CONTINUATION

ORIGINAL

TICKET No. 235918

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Elder & Vaughn	WELL Alexander 2-14	DATE 07-18-97	PAGE OF
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	U/M			
504-131				2P	Premium 50/50 Pozmix	175	sk	9.25	1618.75	
504-043	516.00272									
506-105	516.00286									
506-121	516.00259									
507-153	516.00161				CFR-3 .75%W/ 175	110	lb	5.75	632.50	
508-291	516.00337				Gilsonite 12/5#W/ 175	2188	lb	.50	1094.00	
9-968	516.00315				Granulated 18%W/ 175	1526	lb	.17	259.42	
500-207					SERVICE CHARGE					
500-306					MILEAGE CHARGE	TOTAL WEIGHT 18818	LOADED MILES 40	CUBIC FEET 241	TON MILES 376.36	373.55 325.39

ORIGINAL

No. B 343993

CONTINUATION TOTAL	4422.32
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TICKET #	236029	TICKET DATE	7-14-97
BDA / STATE	KS	COUNTY	Seward
PSL DEPARTMENT	Cement		
CUSTOMER REP / PHONE	Phil Loyd (Cheyenne Drlg)		
API / UWI #	010		

REGION	North America	NWA/COUNTRY	M.D. Cont.
MBU ID / EMP #	Liberal 185257	EMPLOYEE NAME	John Klotz
LOCATION	LAND	COMPANY	Elder-Vaughn
TICKET AMOUNT		WELL TYPE	01
WELL LOCATION	N.E. of Liberal KS	DEPARTMENT	Cement
LEASE / WELL #	Alexander 214	SEC / TWP / RANG	14-335-32W

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
P. McClane							
J. Walkingstick							
E. McDonald							

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
52942-75496							
52276-5742							
450042							

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
7-14-97	19:00	7-14-97	21:00	7-15-97	3:33
				7-15-97	4:10

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe	1	H
Centralizers	3	W
Bottom Plug		
Top Plug	1	C
Head		O
Packer Weld A	1	
Other Insert & fill	1	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24"	894	KB	589.88	1500
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
7-14-97	3hr	7-15-97	1hr	878 Surface
7-15-97	4hr			
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Disp.	Overall
FEET 4200	CEMENT LEFT IN PIPE	Reason	Shoe Joint

CEMENT DATA

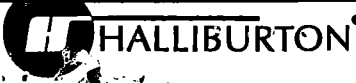
STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	100	Makon PP	B	3% cc, 1/4 # flocc	323	11.1
2	150	PP (C)	B	2% cc, 1/4 # flocc	32	14.2

Circulating Breakdown	Displacement Maximum	Preflush: Load & Bkdn:	Gal - BBI 10	Type H2O
Average	Frac Gradient	Treatment	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI 4-57.52	Disp: BBI - Gal 35.98
	15 Min	Total Volume	Gal - BBI 138.76	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: *Phil Loyd*



JOB LOG 4239-5

TICKET # 254	TICKET DATE 1/11
BDA / STATE TX	COUNTY -
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	
JOB PURPOSE CODE	ORIGINAL

REGION North America	NW/COUNTRY USA
MBU ID / EMP #	EMPLOYEE NAME
LOCATION	COMPANY
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
LEASE / WELL #	SEC / TWP / RNG

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
52947-75496			
52276-5242			
450042			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	19:00	15						Call Out
	21:00							On Location
	21:50							Safety Meeting. Rig up
	1:30							Run Float Equipment
	2:50							Drop Ball
	3:22							Circulate w/Rig
	3:33	6	57.9			70		Mix Pump Lead Cmt @ 11.1
	3:44	7	35.26			100		" Tail Cmt @ 14.8
	3:50		35.98					Shut Down / Drop Plug - Start Displacement
	4:03							210 Lead Plug
	4:04							210 Release Ball / Plug Held
	4:10							End Job.

10 bbl Cmt to pit

Thank You
John - DAANY Eddie-Jay

1971 AUG 29 P 15 22
HALLIBURTON

ORIGINAL

ELDER & VAUGHN
ALEXANDER 2-14
SECTION 14-T33S-T32W
SEWARD COUNTY, KANSAS

15-175-21643

COMMENCED: 07-14-97
COMPLETED: 07-19-97

SURFACE CASING: 602' OF 8 5/8" CMTD
W100 SKS MIDCON + 3% CC + 1/4
#/SK FLOCELE. TAILED IN W/150 SKS
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE

FORMATION

DEPTH

SURFACE HOLE	0 - 610
RED BED	610 - 1010
GLORIETTA	1010 - 1325
RED BED	1325 - 2026
SHALE	2026 - 3130 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.



WRAY VALENTINE

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 22ND DAY OF JULY, 1997.

JOLENE K. RUSSELL



NOTARY PUBLIC



RECORDED
INDEXED
1997 AUG 29 10 12 26
KANSAS GOV'S COM'N