

ORIGINAL

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

API NO. 15- 023-20327-00-00  
County Cheyenne  
SE - NE - SW - Sec. 27 Twp. 3S Rge. 42 X W

Operator: License # 31219

1598 Feet from (3) N (circle one) Line of Section

Name: Prime Operating Company

2094 Feet from (E) W (circle one) Line of Section

Address 2900 Wilcrest Drive

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

Suite 475

Lease Name Feikert Well # 27-11-1

City/State/Zip Houston, Texas 77042

Field Name Wildcat

Purchaser: Cibola <sup>KCC</sup> JH

Producing Formation Niobrara

Operator Contact Person: H.G. Livingston

Elevation: Ground 3641' KB 3647'

Phone ( 713 ) 735-0000

Total Depth 1632' PBTD 1597'

Contractor: Name: Excell Drilling

Amount of Surface Pipe Set and Cemented at 285 Feet

License: 08273

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: None

If yes, show depth set NA Feet

Designate Type of Completion  
 New Well  Re-Entry  Workover

If Alternate II completion, cement circulated from NA

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

feet depth to NA w/ NA sx cmt.

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

Drilling Fluid Management Plan ALT 1 JH 6-21-94  
(Data must be collected from the Reserve Pit)

Operator: NA

Chloride content 2,000ppm 900bbls.  
14,000 ppm Fluid volume 200 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/SWD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

Operator Name NA

Lease Name \_\_\_\_\_

11-7-93 11-8-93 12-3-93

Spud Date Date Reached TD Completion Date

Quarter Sec. Twp. S Rng. E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

3-11-94  
RECEIVED  
KANSAS CORPORATION COMMISSION

MAR 11 1994

CONSERVATION DIVISION  
WICHITA, KS

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 HGL

Title District Manager Date 3/9/94

Subscribed and sworn to before me this 9th day of MARCH 19 94.

Notary Public Glinda A. Berg  
GLINDA A. BERG  
NOTARY PUBLIC, STATE OF TEXAS  
MY COMMISSION EXPIRES  
DEC. 10, 1996

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

SIDE TWO

Operator Name Prime Operating Company Lease Name Feikert Well # 27-11-1  
 Sec. 27 Twp. 3 Rge. 42  East  West  
 County Cheyenne

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:  
 CNL-FDC-GR-SONIC-DI

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Niobrara (Beecher Island Zone)	1416'	1454'

**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	9 7/8"	7"	20	285'	Class "C"	120	2%CaCl 2
Production	6 1/4"	4 1/2"	10.5	1631	Premium	85	2%CaCl 2

**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	NA			
<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
2	1420 - 1448	20,000 gal. 70Q foam Nz and 70,000# 12/20 Sand	1420-48

**TUBING RECORD**

Size NA Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 12/23/93 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

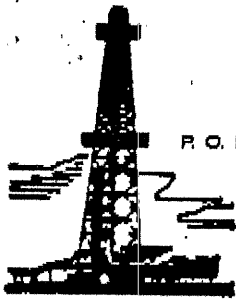
Estimated Production Per 24 Hours	Oil Sbls.	Gas Mcf	Water Sbls.	Gas-Oil Ratio	Gravity
	None	196			

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

**METHOD OF COMPLETION**

Open Hole  Perf.  Quality Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 1420' - 1448'



**CEMENTER'S ENERGY INC.**

P. O. BOX 1587 • SCOTTSBLUFF, NE 69363-1587 • (308) 632-8888  
 FAX 308-632-3991

Our Invoice

No 15400

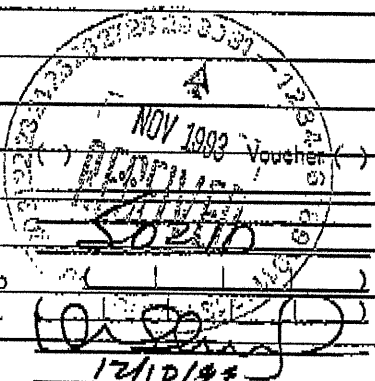
15-023-20321-0000

27-11-1

ORIGINAL

Date <u>11/7/93</u>	Well Owner <u>PRIME OPERATIONS</u>	Well No.	Lease <u>FELKE 2</u>
County <u>Cherokee</u>	State <u>KS KANSAS</u>	Field	
Charge To <u>EXCEL DRILL COMPANY</u>	Charge Code		
Address <u>KIL#2</u>	For Office Use Only		
City, State <u>WRAY, COLORADO</u>			
Pump Truck No. <u>1202</u>	Code	Bulk Truck No. <u>1206</u>	Code
Type of Job	Depth	Ft. <u>295</u>	to
<u>Surface</u> <u>7"</u>	Bottom of Surface	Ft. <u>285</u>	to
Plug	Plug Landed @ <u>265</u>	Ft.	Time On
Production	Pipe Landed @ <u>285</u>	Ft.	Time Off

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat ✓	<u>1206</u>			<u>1450.00</u>
	Poz. Mix				
	Calcium Chloride	<u>3%</u>			
	Gel %				
	Handling Charge				
	Hauling Charge				
	Additional Pump Charge	<u>8.5 ft</u>	<u>= 4.75</u>		<u>403.75</u>
	Mileage P.T.				
	B.T.				
	Plug <u>down: 3:30</u>				
	<u>Centrifugers</u>	<u>3</u>		<u>40.00</u>	<u>120.00</u>
	<u>Rubber Plug</u>	<u>1</u>			<u>30.00</u>



Remarks: <u>G/R</u>	Tax Reference Code	Sub Total	<u>2003.75</u>
	State <u>Colo 3</u> %	Tax <u>858.00</u>	<u>25.74</u>
	Disc <u>none</u>	Total	<u>2029.49</u>

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
<u>1202</u>	Pump Truck			<u>47</u>		<u>7 KANSAS</u>	
<u>1206</u>	Bulk Truck			<u>47</u>		<u>7 KANSAS</u>	

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By Garry & Darzyle, John Received by Tom [Signature]  
 Customer or His Agent

**JOB LOG FORM 2013 R-3**

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Prime Operating	27-11-1	Feikert	Cmt. Prod. Csg.	504099

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							Called out
	1930							On location - Rig running casing Set up + tracks
	2109							Finish casing - Rig circulate
	2122							Hook up to hoses - Reconnect pipes
	2126	5				100		Start 18 bbl Cla-Fix Water
	2130	5	18	18		150		Finish Cla-Fix Water - Start 500 gal Mud Flush
	2134	5	12					Finish Mud Flush - Start 3 bbl Fresh water spacer
	2138	3	3					Finish spacer - Start Cement 85 sks Std w/ 2% CC + .2% Haled 300
	2144	3	18 3/4					Finish Cement - Shut down
	2145							Wash up pump + lines
	2147	3						Release plug + start disp w/ 2% Cla-Fix Water
	2155	3	17			50		Caught Pressure
	2156	3	20			150		Stop Working Ppc
	2159	3	25			450		Pressure + Rate
	2159	3	25 1/2			7000		Plug down - Holding
	2201							Release - Held
	2204							Wash up truck
	2212							Rack up
	2230							Job Complete

**WELL DATA**

FIELD W. St. Francis KS SEC. 27 TWP. 3S RING. 42W COUNTY Cheyenne STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 1632

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	10.5	4 1/2	KB	1631	
LINER						
TUBING						
OPEN HOLE			6 1/4		1632	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-8-93</u>	DATE <u>11-8-93</u>	DATE <u>11-8-93</u>	DATE <u>11-8-93</u>
TIME <u>1700</u>	TIME <u>1930</u>	TIME <u>2100</u>	TIME <u>2230</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>Super Seal II 4 1/2</u>	<u>1EA</u>	<u>Howe</u>
GUIDE SHOE		
CENTRALIZERS <u>S-4 4 1/2</u>	<u>1EA</u>	
BOTTOM PLUG		
TOP PLUG <u>Lead Down 3 1/2</u>	<u>1EA</u>	
HEAD <u>Lead Down Baffle 4 1/2</u>	<u>1EA</u>	
PACKER <u>Cable Walls 4 1/2</u>	<u>7EA</u>	
OTHER		

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Moore</u>	<u>38422</u>	
<u>B4685</u>	<u>Pick up</u>	<u>Obert, KS</u>
<u>H. Berry</u>	<u>3579</u>	
<u>B. Soble</u>	<u>13746 RCM</u>	<u>Obert, KS</u>
<u>J. Keenan</u>	<u>4718 8434</u>	
<u>63503</u>	<u>Bulk TK</u>	<u>Obert, 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  
 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 Cont.  
 DESCRIPTION OF JOB Cement Production Company  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X Jack Moore  
 HALLIBURTON OPERATOR Jack Moore COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>85</u>	<u>Std</u>			<u>2% CC 2% H-100 302</u>	<u>1.14</u>	<u>15.6</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 \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 3300 REASON Shoe Jaw

**SUMMARY**

VOLUMES  
 PRESLUSH: BBL. 18 GAL. 18  
 LOAD & BKDN: BBL. 18 GAL. 18  
 TREATMENT: BBL. 18 GAL. 18  
 CEMENT SLURRY: BBL. 17.8 GAL. 17.8  
 TOTAL VOLUME: BBL. 18 GAL. 18  
 RAMARKS See Job Log  
Thank you

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
 FEB 25 1994  
 CONSERVATION DIVISION  
 WICHITA, KS

CUSTOMER Mid. Cont.  
 LEASE Obert, KS  
 WELL NO. 27-11-1  
 JOB TYPE Cement Prod. Co.  
 DATE 11-8-93





ORIGINAL

CHARGE TO:  
 ADDRESS: Prime Operating  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. 508099 - 9

PAGE 1 OF 2

FORM 1906 R-12

SERVICE LOCATIONS 1. <u>Onshore</u>	WELL/PROJECT NO. <u>27-11-1</u>	LEASE <u>Ferkens</u>	COUNTY/PARISH <u>Calcasieu</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>11-8-93</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>ELI</u>	RIG NAME/NO.	SHIPPED VIA <u>Wells</u>	DELIVERED TO	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>03</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO. <u>15-023-20307</u>	WELL LOCATION <u>W. S. F. A. 11-83</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
<u>000-117</u>		<u>1</u>				<u>MILEAGE</u>	<u>3579</u>				<u>2.75</u>	<u>467.50</u>
<u>001016</u>		<u>1</u>				<u>Pump Change</u>						<u>1200.00</u>
<u>5A</u>	<u>837.00300</u>	<u>1</u>				<u>Super Seal E Flow Sinc</u>	<u>1 EA</u>	<u>4 1/2 in</u>		<u>200.00</u>		<u>200.00</u>
<u>40</u>	<u>807.93003</u>	<u>1</u>				<u>S-4 Centralizers</u>	<u>6 EA</u>	<u>4 1/2 in</u>		<u>41.00</u>		<u>246.00</u>
<u>56</u>	<u>807.3003</u>	<u>1</u>				<u>Cable Wall Cleaners</u>	<u>7 EA</u>	<u>4 1/2 in</u>		<u>25.50</u>		<u>178.50</u>
<u>543</u>	<u>801.0373</u>	<u>1</u>				<u>3W/4 inch down stepping</u>	<u>1 EA</u>	<u>4 1/2 in</u>		<u>159.00</u>		<u>159.00</u>
<u>594</u>	<u>801.03134</u>	<u>1</u>				<u>Wash down Buffer</u>	<u>1 EA</u>	<u>4 1/2 in</u>		<u>100.00</u>		<u>100.00</u>
<u>018-315</u>		<u>1</u>				<u>Mud Flush</u>	<u>500 gal</u>			<u>.65</u>		<u>325.00</u>
<u>218-738</u>		<u>1</u>				<u>Clay-Fix II</u>	<u>5 gal</u>			<u>24.00</u>		<u>120.00</u>

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions.		SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	
CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <u>X [Signature]</u>		TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					FROM CONTINUATION PAGE(S)	<u>1313/10</u>
DATE SIGNED <u>11-8-93</u>		BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?						
TIME SIGNED <u>2000</u>		TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
<input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.		TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
I <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	
				<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

**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
	<u>X [Signature]</u>	<u>Yank Moore</u>	<u>346KS</u>	

ORIGINAL

Page

CASING CEMENTING DATA

WELL NAME AND NUMBER: **Feikert 27-11-1** DISTRICT: **CC NW** DATE CEMENTED: **11-8-93**  
 T.D.: **1632** HOLE SIZE: **6 1/4"** MUD WT: **8.8** VIS: **34** CAKE: PH: **7** WL: **7** MUD TYPE: **ISCL Polymer**

STAGE #	SAX	YIELD	SLURRY COMPOSITION	AVG. SLURRY WT.
1	8.5	1.18	STD Cement 2% CaCl <sub>2</sub> 2%	15.6
2			Halad 322	
3				
4				
5				
6				

EQUIPMENT DATA

SCRATCHERS: **7 Cable Wall Cleaners 1410'-1450'**

CENTRALIZERS: **6 centralizers top of 1st, 3rd, 5th, 7th, 9th & 11th j. Super Seal float shoe, Latch down haffel + plug**

CEMENTING CO.: **Halliburton** WASH AHEAD OF CMT. TYPE: **Clayfix, Mud Wash** BBLs: **30** THREAD COMPOUND:

OPERATIONAL DATA

STARTED RING CASING: **6:00 P M** ON BTM: **8:09 P M** START CIRC: **8:10 P M** END CIRC: **8:38 P M** RATE: **5 BBLs / M** START MIX CMT.: **8:38 P M** END MIX: **8:44 P M** RATE: **3 BBLs / M** START PLUG: **8:47 P**

PLUG DOWN: **8:59 P** RATE: **3 BBLs / M** PIPE MOVED: HOW: **Recip** START: STOP: SHUT DOWN TIME:

CSG FILLED EVERY: **Auto 10 JOINTS WHILE RUNNING** DISPLACED PLUG W/  WATER  MUD LOST RETURNS (SEE REMARKS): **YES X10**

BREAK CIRC.: **100** PSI CIRC. PRIOR TO MIX: **150** PSI JUST PRIOR TO PLUG DOWN: **450 #**

FINAL: **2000** PSI BLEED BACK TO: **0** PSI CEMENT TOP ACTUAL: **800'** CALCULATED: **800'** VOL. CEMENT RETURNED: **None**

CSG FLANGE (MFG. MODEL. SIZE. SERIES): **7" x 4 1/2" surface head**

CASING DATA LIST POSITION IN STRING FROM TOP TO BOTTOM

MFR - ITEM	SIZE	WEIGHT	GRADE	THREAD CONNECTION	COND.	NO. JTS	FOOTAGE
	<b>4 1/2"</b>	<b>10.5 #</b>	<b>J-55</b>	<b>ST&amp;C</b>	<b>2</b>	<b>52</b>	<b>1625.55 6'</b>

SUPERVISOR: **Roelfs** CEMENTING NO.: **1631.55**



DATE 11-8-93 WELL NO. 27-11-1 LEASE Feikert FIELD CCNW



7" 20# set @ 285.02

N/A

PBTD 1597'

4 1/2" 10.5# J-55 set @ 163.7

REMARKS

CASING CEMENTING DATA

WELL NAME AND NUMBER <i>Feikert 27-11-1</i>				DISTRICT <i>CC NW</i>				DATE CEMENTED <i>11-7-93</i>	
T.D. <i>290'</i>	HOLE SIZE <i>9 7/8"</i>	MUD WT <i>9.3</i>	VIS <i>3.4</i>	CAKE	PH <i>7</i>	WL <i>7</i>	MUD TYPE <i>Gel</i>		

CEMENT DATA

STAGE #	SAX	YIELD	SLURRY COMPOSITION	AVG. SLURRY WT.
	<i>120</i>	<i>1.16</i>	<i>STD Cement 3% Cacl</i>	<i>15.6</i>
				NO. SAMPLES
				AVG. SLURRY WT.
				NO. SAMPLES
				AVG. SLURRY WT.
				NO. SAMPLES

EQUIPMENT DATA

MFG. TYPE, POSITION	
MFG. TYPE, POSITION	<i>Three centralizers top of 1st, 3rd &amp; 6th jts</i>
CEMENTING CO	<i>Cementers Inc</i>
WASH AHEAD OF CMT. TYPE	<i>Fresh H<sub>2</sub>O</i>
BBLs.	<i>10</i>
THREAD COMPOUND	

OPERATIONAL DATA

STARTED RING CASING	ON BTM.	START CIRC.	END CIRC.	RATE	BBLs/IM	START MIX CMT.	END MIX	RATE	BBLs/IM	START CIRC.	
<i>2:30 P M</i>	<i>3:15 P M</i>	<i>3:5 P M</i>	<i>3:20 P M</i>	<i>5</i>		<i>3:20 P M</i>	<i>3:25 P M</i>	<i>5</i>		<i>3:25 P M</i>	
PLUG DOWN	RATE	BBLs/IM	PIPE MOVED: HOW	START	STOP	START	STOP	SHUT DOWN TIME			
<i>3:30 P M</i>		<i>5</i>	<i>NO</i>								
CSG FILLED EVERY	JOINTS WHILE RUNNING	DISPLACED PLUG W/	<input checked="" type="checkbox"/> WATER	<input type="checkbox"/> MUD	LOST RETURNS (SEE REMARKS)		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
<i>Auto</i>											
BREAK CIRC.	<i>100</i> PSI	CIRC. PRIOR TO MIX	<i>100</i> PSI	JUST PRIOR TO PLUG DOWN	<i>2:0</i>						
FINAL	<i>200</i> PSI	BLEED BACK TO	PSI	CEMENT TOP	ACTUAL	<i>Surface</i>	CALCULATED	VOL. CEMENT RETURNED			<i>10 sks</i>
CSG FLANGE (MFG. MODEL, SIZE, SERIES)											

CASING DATA

LIST POSITION IN STRING FROM TOP TO BOTTOM	RDB-GND	RDB-BH					
	<i>6'</i>	<i>290'</i>					
MFGR-ITEM	SIZE	WEIGHT	GRADE	THREAD CONNECTION	COND.	NO. JTS	FOOTAGE
	<i>7"</i>	<i>20#</i>	<i>J-55</i>	<i>ST+C</i>	<i>2</i>	<i>7</i>	<i>279.02</i>
							<i>6'</i>

SUPERVISOR *Roe/ls* *285.02*

DATE 11-7-93 WELL NO. 27-11-1 LEASE Feikert FIELD CCNW

7 20' set @ 285.02

N/A

REMARKS

ORIGINAL

CASING CEMENTING DATA

Page

WELL NAME AND NUMBER <i>Feikert 27-11-1</i>				DISTRICT <i>CC NW</i>				DATE CEMENTED <i>11-7-93</i>	
T.D. <i>290'</i>	HOLE SIZE <i>9 7/8"</i>	MUD WT <i>9.3</i>	VIS <i>34</i>	CAKE	PH <i>7</i>	WL <i>7</i>	MUD TYPE <i>Gel</i>		

CEMENT DATA

STAGE	SAX	YIELD	SLURRY COMPOSITION	AVG. SLURRY WT.
STAGE I	<i>120</i>	<i>1.16</i>	<i>STD Cement 3% Cacl</i>	<i>15.6</i>
				NO. SAMPLES
STAGE II				AVG. SLURRY WT.
				NO. SAMPLES
STAGE III				AVG. SLURRY WT.
				NO. SAMPLES

EQUIPMENT DATA

MFG. TYPE, POSITION

MFG. TYPE, POSITION  
*Three centralizers top of 1st, 3rd & 6th jts*

CEMENTING CO. *Cementers Inc* WASH AHEAD OF CMT. TYPE *Fresh H<sub>2</sub>O* BBLS. *10* THREAD COMPOUND

OPERATIONAL DATA

STARTED RING CASING <i>2:30 P M</i>	ON BTM. <i>3:15 P M</i>	START CIRC. <i>3:25 P M</i>	END CIRC. <i>3:20 P M</i>	RATE <i>5</i> BBLS / IM	START MIX CMT. <i>3:20 P M</i>	END MIX <i>3:25 P M</i>	RATE <i>5</i> BBLS / IM	START <i>3:25 P M</i>
PLUG DOWN <i>3:30 P M</i>	RATE <i>5</i> BBLS / IM	PIPE MOVED: HOW <i>No</i>	START	STOP	START	STOP	SHUT DOWN TIME	
CSG FILLED EVERY <i>Auto</i>	JOINTS WHILE RUNNING	DISPLACED PLUG W/	<input checked="" type="checkbox"/> WATER	<input type="checkbox"/> MUD	LOST RETURNS (SEE REMARKS)		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
BREAK CIRC. <i>100</i> PSI	BLED BACK TO <i>200</i> PSI	CEMENT TOP	ACTUAL <i>Surface</i>	CALCULATED	VOL. CEMENT RETURNED <i>10.5 kls</i>			

CASING DATA

LIST POSITION IN STRING FROM TOP TO BOTTOM	RDB-GND	RDB-BH						
	<i>6'</i>	<i>290'</i>						
MFGR - ITEM	SIZE	WEIGHT	GRADE	THREAD CONNECTION	COND.	NO. JTS	FOOTAGE	ISPA
	<i>7"</i>	<i>20#</i>	<i>J-55</i>	<i>11ST+C</i>	<i>2</i>	<i>7</i>	<i>279.02</i>	<i>6'</i>

SUPERVISOR

*Roelofs*

*285.02*

ORIGINAL

DATE 11-7-93 WELL NO. 27-11-1 LEASE Feikert FIELD CCNW

7-20' set @ 285.02

N/A

REMARKS

CASING CEMENTING DATA

Page

WELL NAME AND NUMBER <i>Feikert 27-11-1</i>				DISTRICT <i>CC NW</i>				DATE CEMENTED <i>11-8-93</i>							
T.D. <i>1632</i>		HOLE SIZE <i>6 1/4"</i>		MUD WT <i>8.8</i>		VIS <i>34</i>		CAKE		PH <i>7</i>		WL <i>7</i>		MUD TYPE <i>ISCL Polymer</i>	

CEMENT DATA				
STAGE I	SAX <i>8.5</i>	YIELD <i>1.18</i>	SLURRY COMPOSITION <i>STO Cement 2% Cacl. 2%</i>	AVG. SLURRY WT. <i>15.6</i>
	SAX	YIELD	SLURRY COMPOSITION <i>Halad 322</i>	NO. SAMPLES
STAGE II	SAX	YIELD	SLURRY COMPOSITION	AVG. SLURRY WT.
	SAX	YIELD	SLURRY COMPOSITION	NO. SAMPLES
STAGE III	SAX	YIELD	SLURRY COMPOSITION	AVG. SLURRY WT.
	SAX	YIELD	SLURRY COMPOSITION	NO. SAMPLES

EQUIPMENT DATA	
MFG. TYPE, POSITION	<i>7 Cable Wall Cleaners 1410'-1450'</i>
MFG. TYPE, POSITION	<i>6 centralizers top of 1st, 3rd, 5th, 7th, 9th &amp; 11th j</i>
	<i>Super Seal float shoe; Latch down haffel &amp; plug</i>
CEMENTING CO.	<i>Halliburton</i>
WASH AHEAD OF CMT. TYPE	<i>Clayfix, Mud Wash</i>
BBLs	<i>30</i>
THREAD COMPOUND	

OPERATIONAL DATA											
STARTED RING CASING	ON BTM.	START CIRC.	END CIRC.	RATE	BBLs / M	START MIX CMT.	END MIX	RATE	BBLs / M	START CIRC.	END CIRC.
<i>6:00 P M</i>	<i>8:09 P M</i>	<i>8:10 P M</i>	<i>8:38 P M</i>	<i>5</i>	<i>5</i>	<i>8:38 P M</i>	<i>8:44 P M</i>	<i>3</i>	<i>3</i>	<i>8:47 P</i>	<i>8:47 P</i>
PLUG DOWN	RATE	PIPE MOVED: HOW	START	STOP	START	STOP	SHUT DOWN TIME				
<i>8:59 P</i>	<i>3</i>	<i>Recip</i>									
CSG FILLED EVERY	POINTS WHILE RUNNING	DISPLACED PLUG W/	<input checked="" type="checkbox"/> WATER	<input type="checkbox"/> MUD	LOST RETURNS (SEE REMARKS)						
<i>Auto</i>	<i>10</i>				<i>YES XNO</i>						
BREAK CIRC.	PSI	CIRC. PRIOR TO MIX	PSI	JUST PRIOR TO PLUG DOWN							
<i>100</i>		<i>150</i>		<i>450 #</i>							
FINAL	PSI	BLED BACK TO	PSI	CEMENT TOP	ACTUAL	CALCULATED	VOL CEMENT RETURNED				
<i>2000</i>		<i>0</i>				<i>800'</i>	<i>None</i>				
CSG FLANGE (MFG. MODEL SIZE: SERIES)	<i>7" x 4 1/2" surface head</i>										

CASING DATA		
LIST POSITION IN STRING FROM TOP TO BOTTOM	ROB-GND	ROB-BH
	<i>6'</i>	<i>1632'</i>

MFGR - ITEM	SIZE	WEIGHT	GRADE	THREAD CONNECTION	COND.	NO. JTS	FOOT/ 3E
	<i>4 1/2"</i>	<i>10.5 #</i>	<i>J-55</i>	<i>ST&amp;C</i>	<i>2</i>	<i>52</i>	<i>1625.55 6'</i>

SUPERVISOR	<i>Roelofs</i>	NG SL	<i>1631.55</i>
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ORIGINAL

DATE 11-8-93 WELL NO. 27-11-1 LEASE Feikert FIELD CCNW

7" 20# set @ 285.02

N/A

PBTD 1597'

4 1/2" 10.5# J-55 set @ 163

REMARKS