

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

Operator: License # 33094  
Name: Cimarex Energy Co.  
Address: 15 E. 5th Street, Ste 1000  
City/State/Zip: Tulsa, OK 74103  
Purchaser: CESI  
Operator Contact Person: Amy Warren  
Phone: (918) 585-1100 Ext 1630  
Contractor: Name: Cheyenne Drilling  
License: 3337  
Wellsite Geologist: none

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

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

07-19-04	07-20-04	08-08-04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 081-21534 - 0000  
County: Haskell  
N2 Nw SW Sec. 25 Twp. 29 S. R. 34  East  West  
2640 feet from S N (circle one) Line of Section  
330 feet from E W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Elliott Well #: A-1  
Field Name: Panoma  
Producing Formation: Chase  
Elevation: Ground: 2966.2 Kelly Bushing: 6.0 2972  
Total Depth: 3100 Plug Back Total Depth: 2970  
Amount of Surface Pipe Set and Cemented at 680 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  
(Data must be collected from the Reserve Pit)  
Chloride content est 2000 ppm Fluid volume est 1000 bbls  
Dewatering method used evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

ACT WITHIN 4-24-04

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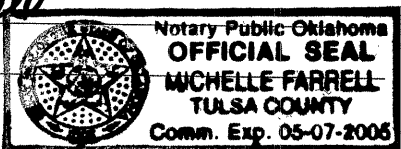
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**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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: Amy Warren  
Title: Drilling Technician Date: 9/2/04  
Subscribed and sworn to before me this 2 day of September, 2004.  
Notary Public: Michelle Farrell  
Date Commission Expires: 5-05



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Cimarex Energy Co. Lease Name: Elliott Well #: A-1  
 Sec. 25 Twp. 29 S. R. 34  East  West County: Haskell

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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

List All E. Logs Run:

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**Cased Hole Compensated Neutron GR/CCL Log**

CASING RECORD <input 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"	8 5/8"	24#	680	common	350	6% gel, 2% CC
production	7 7/8"	5 1/2"	15.5#	3086	50/50 Poz Class H	525	4% D020, 1% S001, 10% D044

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				

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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	2902'-2935'	43000 gals 70Q foam, 70220# 16/30 sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	2973'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
08-17-04		<input checked="" type="checkbox"/> Flowing <input 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	228	0	0	0

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 \_\_\_\_\_

DRILLER'S LOG

CIMAREX ENERGY COMPANY  
ELLIOTT A-1  
SECTION 25-T29S-R34W  
HASKELL COUNTY, KANSAS

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COMMENCED: 07-19-04  
COMPLETED: 07-21-04

SURFACE CASING: 681' OF 8 5/8" CMTD  
W/225 SKS 65:35 + 2%CC + 1/4#/SK FLOCELE  
TAILED W/125 SKS COMMON + 2% CC.

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 691
RED BED	691 - 1340
GLORIETTA	1340 - 1500
RED BED	1500 - 2525
RED BED & SHALE	2525 - 3100 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 26TH DAY OF JULY, 2004

JOLENE K. RUSSELL

  
NOTARY PUBLIC

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**Schlumberger**

**Service Order**

**CONFIDENTIAL**

2004-Aug-16

Customer CIMAREX ENERGY CO.		Person Taking Call Ousley, John		Dowell Location Perryton, TX		Order Date 2004-Jul-02		Job Number 2205546381				
Well Name and Number Elliott 'A' 1			Legal Location		Field		County Haskell		State/Province Kansas			
Well Master: 0630607585			API / UWI:									
Rig Name CHEYENNE 8			Well Age New		Sales Engineer Cambren, Charles			Job Type Cem Prod Casing				
Time Well Ready:		Deviation °		Bit Size 7.88 in		Well MD 3,050 ft		Well TVD 3,050 ft		BHP psi	BHST 108 °F	BHCT 82 °F
Treat Down Casing		Packer Type	Packer Depth ft	WellHead Connection 5 1/2 HSM		HHP on Location		Max Allowed Pressure 3000		Max Allowed Ann Pressure		
<b>Casing</b>					<b>Services Instructions:</b>							
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	CEMENT 5 1/2 PRODUCTION CASING WITH :							
3050	5.5	14	K55	8RD	100 SKS RFC 12-3 W/ 2 LB/BBL CEMNET							
					400 SKS 35:65 POZ/CLASS C + 4% D020 + 1% S001 + 0.25 PPS D029							
					125 SKS 50:50 POZ/CLASS H + 10 % D044 + 2 % D020 + 0.25 PPS							
					D029 + 0.2 % D046							
					DISPLACE WITH FRESH WATER							
<b>Tubing</b>					<b>Extra Equipment:</b>							
Depth,	Size, in	Weight, lb/ft	Grade	Thread	1 CEMCAT							
					1 PUMP							
					2 ABT							
<b>Perforated Intervals</b>												
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval								
				ft								
				Diameter								
				in								
Expected On Location:					Ready To Pump:							

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Contact	Voice	Mobile	FAX	Notes
DAVID PAULY				

**Notes:**  
CUSTOMER TO SUPPLY 5 1/2 FE = 1 GUIDE SHOE (202) = 1 ORIFICE FILL INSERT (1112) = 10 REG. CENTRALIZERS & NAILS = 1 STOP RING = 1 THREADLOCK  
TAKE 5 1/2 TOP & BOTTOM PLUG

**Directions:**  
PERRYTON TX, 80 MI ON HWY 83 NORTH TO JCT OF HWY 56, WEST ON HWY 56 TO SANTANA KS, FROM JCT 190 & 56 ( WEST SIDE OF SANTANA) GO 0.3 MI NORTH TO RD 'FF', TAKE RD 'FF' 3.9 MI NORTH, 0.1 MI EAST ON TRAIL RD, TURN SOUTH INTO LOCATION

**Other Notes:**  
FOLLOW ALL CONVOY AND SAFETY PROCEDURES

Comments:

**Fluid Systems:**

CEMNET			
60 LB (2 LB/BBL IN RFC 12-3)			
<i>Density:</i>	lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	0 gal/sk		
<i>H2O:</i>	0 gal	<i>Eq. Sack Weight:</i>	0 lb
		<i>Total Blend:</i>	0 sacks
Dowell Code	Conc/ Amount	Total Quantity	
CEMNET	60 lbs	60	

RFC 12-3			
100 SKS RFC 12-3 ( RUN AHEAD OF LEAD SLURRY)			
<i>Density:</i>	14.9 lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	1.48 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	7.28 gal/sk		
<i>H2O:</i>	728 gal	<i>Eq. Sack Weight:</i>	94 lb
		<i>Total Blend:</i>	100 sacks
Dowell Code	Conc/ Amount	Total Quantity	
CLASS H	94 lbs/sk	9400	
S001	2.82 lbs/sk	282	
D053	11.28 lbs/sk	1128	

LEAD			
400 SKS 35:65 POZ/CLASS C + 4% D020 + 1% S001 + 0.25 PPS D029			
<i>Density:</i>	12.2 lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	2.12 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	11.9 gal/sk		
<i>H2O:</i>	4760 gal	<i>Eq. Sack Weight:</i>	0 lb
		<i>Total Blend:</i>	400 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	100	
S001	0.88 lbs/sk	352	
D020	3.55 lbs/sk	1420	
D132	27.8 lbs/sk	11120	
CLASS C	61.1 lbs/sk	24440	

TAIL			
125 SKS 50:50 POZ/CLASS H + 10 % D044 + 2 % D020 + 0.25 PPS D029 + 0.2 % D046			
<i>Density:</i>	14.4 lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	1.35 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	6.26 gal/sk		
<i>H2O:</i>	782.5 gal	<i>Eq. Sack Weight:</i>	86.7 lb
		<i>Total Blend:</i>	125 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D046	0.173 lbs/sk	21.625	
D044	5.05 lbs/sk	631.25	
D132	39.7 lbs/sk	4962.5	
CLASS H	47 lbs/sk	5875	
D029	0.25 lbs/sk	31.25	
D020	1.73 lbs/sk	216.25	

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# Cementing Service Report

Customer <b>CIMAREX ENERGY CO.</b>						Job Number <b>2205546494</b>				
Well <b>Elliott 'A' 1</b>			Location (legal)			Schlumberger Location <b>Perryton, TX</b>			Job Start <b>2004-Jul-21</b>	
Field		Formation Name/Type		Deviation		Bit Size <b>7.88 in</b>	Well MD <b>3,100 ft</b>	Well TVD <b>3,100 ft</b>		
County <b>Haskell</b>		State/Province <b>Kansas</b>		BHP <b>psi</b>	BHST <b>108 °F</b>	BHCT <b>82 °F</b>	Pore Press. Gradient <b>psi/ft</b>			
Well Master: <b>0630607585</b>		API / UWI:		Casing/Liner						
Rig Name <b>CHEYENNE 8</b>	Drilled For <b>Oil &amp; Gas</b>		Service Via <b>Land</b>		Depth, ft <b>3097.05</b>	Size, in <b>5.5</b>	Weight, lb/ft <b>15.5</b>	Grade	Thread	
Offshore Zone	Well Class <b>New</b>		Well Type <b>Development</b>		Tubing/Drill Pipe					
Drilling Fluid Type		Max. Density <b>lb/gal</b>	Plastic Viscosity <b>cp</b>	Depth,	Size, in	Weight, lb/ft	Grade	Thread		
Service Line <b>Cementing</b>		Job Type <b>Cem Prod Casing</b>		Perforations/Open Hole						
Max. Allowed Tubing Pressure <b>3000 psi</b>	Max. Allowed Ann. Pressure <b>psi</b>	Wellhead Connection <b>5 1/2 HSM</b>		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval <b>ft</b>		
Service Instructions <b>CEMENT 5 1/2 PRODUCTION CASING WITH : 400 SKS 35:65 POZ/CLASS C + 4% D020 + 1% S001 + 0.25 PPS D029 125 SKS 50:50 POZ/CLASS H + 10 % D044 + 2 % D020 + 0.25 PPS D029 + 0.2 % D046 DISPLACE WITH FRESH WATER</b>				Treat Down <b>Casing</b>	Displacement <b>72.7 bbl</b>	Packer Type	Packer Depth <b>ft</b>			
		Tubing Vol. <b>bbl</b>	Casing Vol. <b>74 bbl</b>	Annular Vol. <b>96 bbl</b>	OpenHole Vol. <b>169 bbl</b>					
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job			
Lift Pressure: <b>900 psi</b>		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type		
No. Centralizers: <b>Top Plugs: 1</b>		Bottom Plugs:		Shoe Depth: <b>3086 ft</b>		Stage Tool Type:		Tool Type:		
Cement Head Type: <b>Single</b>		Stage Tool Depth: <b>ft</b>		Tail Pipe Size: <b>in</b>		Stage Tool Depth: <b>ft</b>		Tail Pipe Depth: <b>ft</b>		
Job Scheduled For: <b>2004-Jul-21 4:00</b>		Arrived on Location: <b>2004-Jul-21 14:32</b>		Leave Location:		Collar Type:		Tail Pipe Depth: <b>ft</b>		
		Collar Depth: <b>3054 ft</b>		Sqz Total Vol: <b>bbl</b>						
Date	Time	Treating Pressure psi	Density lb/gal	Pump Rate bbl/min	Pump Vol bbl	SK FLOWMETER bbl/min	0	0	Message	
2004-Jul-21	11:58	0	8.44	0.2	0.0	0.0	0	0		
2004-Jul-21	11:58	0	8.44	0.2	0.0	0.0	0	0		
2004-Jul-21	11:58								Start Job	
2004-Jul-21	11:58								Pressure Test Lines	
2004-Jul-21	11:58	0	8.44	0.2	0.1	0.0	0	0		
2004-Jul-21	11:59	0	8.44	0.2	0.1	0.0	0	0		
2004-Jul-21	11:59	0	8.44	0.1	0.2	0.0	0	0		
2004-Jul-21	12:00	0	8.44	0.2	0.3	0.0	0	0		
2004-Jul-21	12:00	0	8.44	0.1	0.4	0.0	0	0		
2004-Jul-21	12:01	0	8.44	0.2	0.4	0.0	0	0		
2004-Jul-21	12:01	0	8.44	0.1	0.5	0.0	0	0		
2004-Jul-21	12:02	0	8.45	0.2	0.6	0.0	0	0		
2004-Jul-21	12:02	0	8.44	0.2	0.7	0.0	0	0		
2004-Jul-21	12:03	0	8.44	0.1	0.8	0.0	0	0		
2004-Jul-21	12:03	0	8.44	0.1	0.8	0.0	0	0		
2004-Jul-21	12:04	64	8.44	0.5	0.9	0.0	0	0		
2004-Jul-21	12:04	3369	8.45	0.0	1.0	0.0	0	0		
2004-Jul-21	12:05	3305	8.45	0.0	1.0	0.0	0	0		
2004-Jul-21	12:05	50	8.45	0.0	1.0	0.0	0	0		
2004-Jul-21	12:06	41	8.45	0.0	1.0	0.0	0	0		
2004-Jul-21	12:06	32	8.45	0.0	1.0	0.0	0	0		
2004-Jul-21	12:07	23	8.45	0.0	1.0	0.0	0	0		

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Well		Field		Service Date		Customer		Job Number	
Elliott 'A' #1				04203-Jul-21		CIMAREX ENERGY CO.		2205546494	
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	SK FLOWMETER	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	0	0	
2004-Jul-21	12:07	23	8.44	0.0	1.0	0.0	0	0	
2004-Jul-21	12:08								Reset Total, Vol = 0.96 bbl
2004-Jul-21	12:08	41	8.44	0.0	1.0	0.0	0	0	
2004-Jul-21	12:08	46	8.44	0.0	0.0	0.0	0	0	
2004-Jul-21	12:08								Start Mixing Lead Slurry
2004-Jul-21	12:08	46	8.44	0.0	0.0	0.0	0	0	
2004-Jul-21	12:08	46	9.01	0.0	0.0	0.0	0	0	
2004-Jul-21	12:09	46	9.08	0.0	0.0	0.0	0	0	
2004-Jul-21	12:09	46	9.15	0.0	0.0	0.0	0	0	
2004-Jul-21	12:10	46	9.20	0.0	0.0	0.0	0	0	
2004-Jul-21	12:10	41	9.16	0.0	0.0	0.0	0	0	
2004-Jul-21	12:11	41	11.13	0.0	0.0	0.0	0	0	
2004-Jul-21	12:11	50	12.94	0.0	0.0	0.0	0	0	
2004-Jul-21	12:12	270	13.63	5.2	2.3	0.0	0	0	
2004-Jul-21	12:12	114	12.98	2.3	3.7	0.0	0	0	
2004-Jul-21	12:13	229	13.10	5.2	5.5	0.0	0	0	
2004-Jul-21	12:13	220	13.65	5.2	8.2	0.0	0	0	
2004-Jul-21	12:14	73	14.14	3.6	10.6	0.0	0	0	
2004-Jul-21	12:14	101	14.30	3.6	12.4	0.0	0	0	
2004-Jul-21	12:15	142	13.32	5.2	14.5	0.0	0	0	
2004-Jul-21	12:15	27	11.60	4.2	17.2	0.0	0	0	
2004-Jul-21	12:16	-18	10.59	2.5	18.6	0.0	0	0	
2004-Jul-21	12:16	23	10.15	2.5	19.9	0.0	0	0	
2004-Jul-21	12:17	0	11.29	1.6	20.8	0.0	0	0	
2004-Jul-21	12:17	-5	13.88	1.6	21.6	0.0	0	0	
2004-Jul-21	12:18	18	13.33	1.6	22.4	0.0	0	0	
2004-Jul-21	12:18	27	13.91	1.5	23.2	0.0	0	0	
2004-Jul-21	12:19	23	14.69	1.5	23.9	0.0	0	0	
2004-Jul-21	12:19	32	14.59	1.5	24.7	0.0	0	0	
2004-Jul-21	12:20	37	14.50	1.5	25.5	0.0	0	0	
2004-Jul-21	12:20	37	14.33	1.6	26.2	0.0	0	0	
2004-Jul-21	12:21	32	14.81	1.5	27.0	0.0	0	0	
2004-Jul-21	12:21	37	14.85	1.5	27.8	0.0	0	0	
2004-Jul-21	12:22	23	14.42	1.5	28.5	0.0	0	0	
2004-Jul-21	12:22	27	13.13	4.0	29.6	0.0	0	0	
2004-Jul-21	12:22								End Lead Slurry
2004-Jul-21	12:22								Reset Total, Vol = 29.71 bbl
2004-Jul-21	12:22	41	13.09	4.0	29.7	0.0	0	0	
2004-Jul-21	12:22								Start Mixing Lead Slurry
2004-Jul-21	12:22	27	13.08	4.0	0.1	0.0	0	0	
2004-Jul-21	12:22	23	13.07	4.0	0.3	0.0	0	0	
2004-Jul-21	12:23	37	12.47	5.7	3.1	0.0	0	0	
2004-Jul-21	12:23	14	12.09	5.8	5.9	0.0	0	0	
2004-Jul-21	12:24	78	12.14	5.8	8.8	0.0	0	0	
2004-Jul-21	12:24	27	12.04	5.8	11.7	0.0	0	0	
2004-Jul-21	12:25	23	12.19	5.8	14.6	0.0	0	0	
2004-Jul-21	12:25	69	12.40	5.7	17.5	0.0	0	0	
2004-Jul-21	12:26	87	12.34	5.7	20.4	0.0	0	0	
2004-Jul-21	12:26	96	12.38	6.3	23.4	0.0	0	0	
2004-Jul-21	12:27	55	12.17	4.8	26.2	0.0	0	0	
2004-Jul-21	12:27	37	12.20	5.6	28.8	0.0	0	0	
2004-Jul-21	12:28	64	12.12	5.6	31.6	0.0	0	0	
2004-Jul-21	12:28	41	12.31	5.3	34.3	0.0	0	0	
2004-Jul-21	12:29	92	12.21	5.7	37.1	0.0	0	0	

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Well		Field			Service Date		Customer		Job Number
Elliott 'A' #1					04203-Jul-21		CIMAREX ENERGY CO.		2205546494
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	SK FLOWMETER	0	0	Message
	24 hr clock	psi	lb/gal	bbt/min	bbt	bbt/min	0	0	
2004-Jul-21	12:29	92	12.01	5.7	40.0	0.0	0	0	
2004-Jul-21	12:30	37	12.11	4.2	42.2	0.0	0	0	
2004-Jul-21	12:30	41	12.40	4.3	44.3	0.0	0	0	
2004-Jul-21	12:31	110	12.42	5.9	46.6	0.0	0	0	
2004-Jul-21	12:31	114	12.40	6.0	49.5	0.0	0	0	
2004-Jul-21	12:32	41	12.27	4.3	51.9	0.0	0	0	
2004-Jul-21	12:32	50	12.25	4.3	54.1	0.0	0	0	
2004-Jul-21	12:33	110	12.19	5.9	56.5	0.0	0	0	
2004-Jul-21	12:33	105	12.08	6.0	59.5	0.0	0	0	
2004-Jul-21	12:34	41	11.98	4.3	62.0	0.0	0	0	
2004-Jul-21	12:34	41	12.34	4.3	64.2	0.0	0	0	
2004-Jul-21	12:35	50	12.45	4.4	66.4	0.0	0	0	
2004-Jul-21	12:45	-3712	-6.25	0.0	68.1	0.0	0	0	
2004-Jul-21	12:45	137	12.90	5.9	70.8	0.0	0	0	
2004-Jul-21	12:46	119	12.59	6.0	73.8	0.0	0	0	
2004-Jul-21	12:46	105	12.07	6.0	76.8	0.0	0	0	
2004-Jul-21	12:47	105	12.27	5.9	79.8	0.0	0	0	
2004-Jul-21	12:47	114	12.45	6.0	82.7	0.0	0	0	
2004-Jul-21	12:48	119	12.42	6.0	85.8	0.0	0	0	
2004-Jul-21	12:48	110	12.25	5.9	88.8	0.0	0	0	
2004-Jul-21	12:49	114	12.35	6.0	91.8	0.0	0	0	
2004-Jul-21	12:49	114	12.34	5.9	104.8	0.0	0	0	
2004-Jul-21	12:50	110	12.08	5.9	107.8	0.0	0	0	
2004-Jul-21	12:50	105	12.06	6.0	110.7	0.0	0	0	
2004-Jul-21	12:51	151	12.21	5.9	113.7	0.0	0	0	
2004-Jul-21	12:51	169	12.27	5.9	116.7	0.0	0	0	
2004-Jul-21	12:52	188	12.32	5.9	119.6	0.0	0	0	
2004-Jul-21	12:52	201	12.24	5.9	122.6	0.0	0	0	
2004-Jul-21	12:53	220	12.18	5.9	125.6	0.0	0	0	
2004-Jul-21	12:53	238	12.18	5.9	128.5	0.0	0	0	
2004-Jul-21	12:54	238	12.14	5.9	131.5	0.0	0	0	
2004-Jul-21	12:54	243	12.13	5.9	134.4	0.0	0	0	
2004-Jul-21	12:55	261	12.19	5.9	137.4	0.0	0	0	
2004-Jul-21	12:55	275	12.30	5.9	140.4	0.0	0	0	
2004-Jul-21	12:56	266	11.85	5.9	143.3	0.0	0	0	
2004-Jul-21	12:56	261	11.69	5.9	146.3	0.0	0	0	
2004-Jul-21	12:56								End Lead Slurry
2004-Jul-21	12:56								Reset Total, Vol = 146.38 bbl
2004-Jul-21	12:56	261	11.72	5.9	146.4	0.0	0	0	
2004-Jul-21	12:56								Start Mixing Tail Slurry
2004-Jul-21	12:56	266	11.80	5.9	0.3	0.0	0	0	
2004-Jul-21	12:57	270	12.21	5.9	2.9	0.0	0	0	
2004-Jul-21	12:57	160	13.21	4.3	5.3	0.0	0	0	
2004-Jul-21	12:58	119	13.24	3.0	6.8	0.0	0	0	
2004-Jul-21	12:58	128	14.28	3.0	8.3	0.0	0	0	
2004-Jul-21	12:59	197	14.41	4.3	9.9	0.0	0	0	
2004-Jul-21	12:59	206	14.23	4.3	12.2	0.0	0	0	
2004-Jul-21	13:00	201	14.38	4.3	14.3	0.0	0	0	
2004-Jul-21	13:00	192	14.27	4.3	16.5	0.0	0	0	
2004-Jul-21	13:01	197	14.33	4.3	18.6	0.0	0	0	
2004-Jul-21	13:01	179	14.27	4.3	20.8	0.0	0	0	
2004-Jul-21	13:02	179	14.23	4.3	22.9	0.0	0	0	
2004-Jul-21	13:02	165	14.29	4.3	25.1	0.0	0	0	
2004-Jul-21	13:03	151	14.36	4.3	27.3	0.0	0	0	

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Well		Field		Service Date		Customer		Job Number	
Elliott 'A' #1				04203-Jul-21		CIMAREX ENERGY CO.		2206546494	
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	SK FLOWMETER	0	0	Message
	24 hr clock	psi	lb/gal	bbf/min	bbf	bbf/min	0	0	
2004-Jul-21	13:03	156	14.72	4.3	29.4	0.0	0	0	
2004-Jul-21	13:04	146	14.23	4.3	31.6	0.0	0	0	
2004-Jul-21	13:04	14	13.91	1.0	33.7	0.0	0	0	
2004-Jul-21	13:05	9	11.25	0.0	33.7	0.0	0	0	
2004-Jul-21	13:05	9	9.71	0.0	33.7	0.0	0	0	
2004-Jul-21	13:06	9	9.71	0.0	33.7	0.0	0	0	
2004-Jul-21	13:06	23	8.51	2.9	34.6	0.0	0	0	
2004-Jul-21	13:07	119	8.47	3.9	36.3	0.0	0	0	
2004-Jul-21	13:07	146	8.45	5.5	38.7	0.0	0	0	
2004-Jul-21	13:08	96	8.45	1.9	39.9	0.0	0	0	
2004-Jul-21	13:08	14	8.46	0.0	41.9	0.0	0	0	
2004-Jul-21	13:09	215	8.45	4.3	43.0	0.0	0	0	
2004-Jul-21	13:09	261	8.45	4.7	45.4	0.0	0	0	
2004-Jul-21	13:10	110	8.44	5.0	47.8	0.0	0	0	
2004-Jul-21	13:10	169	8.45	5.0	50.3	0.0	0	0	
2004-Jul-21	13:11	224	8.46	5.0	52.9	0.0	0	0	
2004-Jul-21	13:11	174	8.45	5.0	55.4	0.0	0	0	
2004-Jul-21	13:12	247	8.47	5.0	57.8	0.0	0	0	
2004-Jul-21	13:12	284	8.47	5.0	60.3	0.0	0	0	
2004-Jul-21	13:13	275	8.46	5.0	62.8	0.0	0	0	
2004-Jul-21	13:13	325	8.46	5.0	65.3	0.0	0	0	
2004-Jul-21	13:14	316	8.46	5.0	67.8	0.0	0	0	
2004-Jul-21	13:14	362	8.46	5.0	70.2	0.0	0	0	
2004-Jul-21	13:14								Start Displacement
2004-Jul-21	13:14								Drop Top Plug
2004-Jul-21	13:14	339	8.45	5.0	70.2	0.0	0	0	
2004-Jul-21	13:14	293	8.46	5.0	70.3	0.0	0	0	
2004-Jul-21	13:14								End Tail Slurry
2004-Jul-21	13:15	375	8.46	5.0	72.8	0.0	0	0	
2004-Jul-21	13:15	366	8.46	5.0	35.4	0.0	0	0	
2004-Jul-21	13:16	343	8.46	5.0	37.9	0.0	0	0	
2004-Jul-21	13:16	421	8.45	5.0	40.4	0.0	0	0	
2004-Jul-21	13:17	467	8.47	5.0	42.9	0.0	0	0	
2004-Jul-21	13:17	421	8.47	5.0	45.4	0.0	0	0	
2004-Jul-21	13:18	453	8.47	5.0	47.9	0.0	0	0	
2004-Jul-21	13:18	458	8.46	5.0	50.4	0.0	0	0	
2004-Jul-21	13:19	545	8.46	5.0	52.9	0.0	0	0	
2004-Jul-21	13:19	586	8.47	5.0	55.4	0.0	0	0	
2004-Jul-21	13:20	595	8.46	5.0	57.8	0.0	0	0	
2004-Jul-21	13:20	650	8.46	5.0	60.3	0.0	0	0	
2004-Jul-21	13:21	673	8.46	4.9	62.8	0.0	0	0	
2004-Jul-21	13:21	691	8.46	5.0	65.3	0.0	0	0	
2004-Jul-21	13:22	742	8.47	5.0	67.7	0.0	0	0	
2004-Jul-21	13:22	728	8.47	2.9	69.9	0.0	0	0	
2004-Jul-21	13:23	746	8.46	1.9	65.7	0.0	0	0	
2004-Jul-21	13:23	673	8.40	1.9	66.7	0.0	0	0	
2004-Jul-21	13:24	764	8.28	1.8	67.6	0.0	0	0	
2004-Jul-21	13:24	755	8.24	1.8	68.5	0.0	0	0	
2004-Jul-21	13:25	751	8.34	1.8	69.5	0.0	0	0	
2004-Jul-21	13:25	778	8.36	1.8	70.4	0.0	0	0	
2004-Jul-21	13:26	787	8.28	1.8	71.3	0.0	0	0	
2004-Jul-21	13:26	792	8.31	1.8	72.2	0.0	0	0	
2004-Jul-21	13:27	829	8.46	1.4	73.0	0.0	0	0	
2004-Jul-21	13:27	833	8.46	1.4	70.7	0.0	0	0	

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Well		Field		Service Date		Customer		Job Number	
Elliott 'A' #1				04203-Jul-21		CIMAREX ENERGY CO.		2206546494	
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol.	SK FLOWMETER	0	0	Message
	24 hr clock	psi	lb/gal	bbf/min	bbf	bbf/min	0	0	
2004-Jul-21	13:28	861	8.47	1.3	71.4	0.0	0	0	
2004-Jul-21	13:28	1337	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:29	1346	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:29	1355	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:30	1355	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:30	1355	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:31	50	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:31								Bump Top Plug
2004-Jul-21	13:31	0	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:31	0	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:31								End Displacement 72 bbls
2004-Jul-21	13:31	9	8.47	0.0	72.0	0.0	0	0	
2004-Jul-21	13:32								End Job
2004-Jul-21	13:32	9	8.47	0.0	72.0	0.0	0	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5			6	207	0	0			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
1400		800	1400			8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 35 bbl <input type="checkbox"/> Washed Thru Perfs To ft					
%	207 bbl	72.7 bbl	°F						
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed			
PAULY, DAVID			Landeros, Feilverto						

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# ALLIED CEMENTING CO., INC. 15889

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Medicine Hat

DATE <u>8/20</u>	SEC. <u>25</u>	TWP. <u>21S</u>	RANGE <u>30W</u>	CALLED OUT <u>7:00 AM</u>	ON LOCATION <u>5:30 AM</u>	JOB START <u>6:50 AM</u>	JOB FINISH <u>7:30 AM</u>
LEASE <u>E/11:5T</u>	WELL # <u>A-1</u>	LOCATION <u>Satonita 4 N on</u>			COUNTY <u>Haskell</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>Blacktop E/ATO</u>			

CONTRACTOR Cheyenne # 8  
 TYPE OF JOB Soil Pole  
 HOLE SIZE 12 1/4 T.D. 691  
 CASING SIZE 8 5/8 DEPTH 681  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 1 1/2 DEPTH 691  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 30 PSI MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 45 FT  
 CEMENT LEFT IN CSG. 115 FT  
 PERFS. \_\_\_\_\_

OWNER Cheyenne Drilling Co.  
 CEMENT  
 AMOUNT ORDERED 225x65 35' 1+2  
CC + 1/4" F10 Seal 125' AT 22  
CC  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

DISPLACEMENT Fresh Water 4 1/4 BBL  
 EQUIPMENT  
 PUMP TRUCK CEMENTER David W.  
 # 302 HELPER Quayle W.  
 BULK TRUCK  
 # 363 DRIVER Larry G.  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

REMARKS:  
Up on Bottom Black core  
Pump 225x65 35' Lot 2  
1/4" F10 Seal Pump 125' AT  
2 1/2" Release Plug D. 5/8"  
W/ Fresh Water Slow Rate  
Bump Plug Shut in Cement  
Dial Core - Rig Down

SERVICE  
 DEPTH OF JOB 681  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 PLUG \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

CHARGE TO: Cheyenne Drilling Co.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT  
850  
 1- Buffer Plate @ \_\_\_\_\_  
 3- Centralizers @ \_\_\_\_\_  
 1- Thread Lock @ \_\_\_\_\_  
 1- RUB-T Plug @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE V. [Signature]

SIGNATURE V. [Signature]  
 PRINTED NAME \_\_\_\_\_