KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

ORIGINAL

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)

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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.

07-17-04	07-18-04	07-30-04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 081-21538 0000
County: Haskell
~~W2 - W2 - SW~~ NW NW SW SE Sec. 36 Twp. 28 S. R. 34 ☐ East ☑ West
1250' feet from (S) / N (circle one) Line of Section
2750' feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Cornelson Well #: B1
Field Name: Panoma
Producing Formation: Council Grove
Elevation: Ground: 2960.5 Kelly Bushing: ~~6.0~~ 2967
Total Depth: 3060 Plug Back Total Depth: 3019
Amount of Surface Pipe Set and Cemented at 623 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)
Act II with 4-24-07
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.:

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, 20 04.
Notary Public: Michelle Farrell
Date Commission Expires: 5-05

Notary Public Oklahoma
OFFICIAL SEAL
MICHELLE FARRELL
TULSA COUNTY
Comm. Exp. 05-07-2005

KCC Office Use ONLY
✓ Letter of Confidentiality Received
If Denied, Yes ☐ Date:
✓ Wireline Log Received
___ Geologist Report Received
___ UIC Distribution

Side Two

Operator Name: Cimarex Energy Co. Lease Name: Cornelson Well #: B1

Sec. 36 Twp. 28 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)

List All E. Logs Run:

Cased Hole Compensated Neutron
GR/CCL Log

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

Name Top Datum

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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#	623'	common	350	2% CC
production	7 7/8"	5 1/2"	15.5#	3048'	Class H	525	4% D020, 1% S001, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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'-2940'	43,000 gals, 70Q WF130, 70,000# 16/30 sand	

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TUBING RECORD Size	Set At	Packer At	Liner Run
2 3/8"	2974'		☐ Yes ☑ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
07-31-04	☑ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	152	0	0	0

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)* _____

DRILLER'S LOG

CIMAREX ENERGY COMPANY
CORNELSON B-1
SECTION 36-T28S-R34W
HASKELL COUNTY, KANSAS

COMMENCED: 07-17-04
COMPLETED: 07-19-04

SURFACE CASING: 625' OF 8 5/8" CMTD W/225 SKS LITE + 2%CC + ¼#/SK FLOCELE TAILED W/125 SKS COMMON + 2% CC.

FORMATION	DEPTH
SURFACE HOLE	0 - 634
RED BED	634 - 1320
GLORIETTA	1320 - 1487
RED BED	1487 - 2886
LIMESTONE & SHALE	2886 - 3060 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 19TH DAY OF JULY, 2004

JOLENE K. RUSSELL

JOLENE K. RUSSELL
Notary Public - State of Kansas
My Appt. Expires 9-13-07

NOTARY PUBLIC

ALLIED CEMENTING CO., INC. 13805

Federal Tax I.D. [redacted]

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

SEP 0 2 2004

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SERVICE POINT: Oakley, KS

DATE 7-17-04	SEC. 36	TWP. 28S	RANGE 34W	CALLED OUT 2:00pm	ON LOCATION 5:30pm	JOB START 6:45pm	JOB FINISH 7:15pm
LEASE Comelson	WELL # B-1	LOCATION Satanta 7 1/2 N 1 1/2 E S in				COUNTY Haskell	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Cheyenne #8
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 634'
CASING SIZE 8 5/8 28# DEPTH 634'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 44.26
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 38 1/2

OWNER Same

CEMENT

AMOUNT ORDERED 225 sks Lite 2% cc 1/4# flo-seal
125 sks com 2% cc

COMMON	125	@	8.85	1106.25
POZMIX		@		
GEL		@	00	00
CHLORIDE	8	@	30.15	240.25
Lite	225	@	8.15	1833.75
flo-seal	62	@	1.40	86.80
		@		
		@		
		@		
HANDLING	383		1.25	478.75
MILEAGE	5/sk/mile			766.00
			TOTAL	4511.55

EQUIPMENT

PUMP TRUCK CEMENTER Tuzy
191 HELPER Wayne
BULK TRUCK
309 DRIVER Larry
BULK TRUCK
DRIVER

REMARKS:

Cement 8 5/8 csg to on depth of 634'
with 225 Lite 2% cc 1/4# flo-seal
followed by 125 com 2% cc
Displace plug to Baffle plate
cement d.d circulate
plug down @ 7:15 AM
Land plug @ 450 lbs
THANKS
Tuzy

SERVICE

DEPTH OF JOB	634'		
PUMP TRUCK CHARGE			650.00
EXTRA FOOTAGE		@	.00
MILEAGE	40	@	4.00 160.00
PLUG		@	
		@	
		@	
		TOTAL	810.00

CHARGE TO: Comelson
STREET
CITY STATE ZIP

FLOAT EQUIPMENT

		@	.00
8 5/8 cent	3	@ 40.00	120.00
8 5/8 Baffle plate		@ 45.00	45.00
Thread lock		@ 30.00	30.00
8 5/8 rubber plug		@ 100	100.00
		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.

As per bid

TAX
TOTAL CHARGE
DISCOUNT IF PAID IN 30 DAYS

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SIGNATURE Ramon Ruiz

RAMON RUIZ
PRINTED NAME

Schlumberger

Service Order

2004-Aug-12

Customer	Person Taking Call	Dowell Location	OrderDate	Job Number
CIMAREX ENERGY CO.	Grella, Miguel	Perryton, TX	2004-Jul-02	**2205546495**

Well Name and Number	Legal Location	Field	County	State/Province
Cornelson 'B' 1			Haskell	Kansas

Well Master:	API / UWI:	
0630607584		

Rig Name	Well Age	Sales Engineer	Job Type
CHEYENNE 8	New	Cambern, Charles	Cem Prod Casing

Time Well Ready:	Deviation	Bit Size	Well MD	Well TVD	BHP	BHST	BHCT
	°	7.88 in	3,060 ft	3,050 ft	psi	108 °F	82 °F

Treat Down	Packer Type	Packer Depth	WellHead Connection	HHP on Location	Max AllowedPressure	Max Allowed AnnPressure
Casing		ft	5 1/2 HSM		3000	

Casing

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
3050	5.5	15.5		

Tubing

Depth,	Size, in	Weight, lb/ft	Grade	Thread

Perforated Intervals

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
				ft
				Diameter
				in

Services Instructions:

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

Extra Equipment:

1 CEMCAT
1 PUMP
2 ABT

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Expected On Location:

Ready To Pump:

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 AND BOTTOM PLUGS

Directions:

PERRYTON TX, 80 MI ON HWY 83 NORTH TO JCT OF HWY 83 & 56 AT SUBLETTE KS, 6 MI NORTH TO HWY 160, 6.5 MI WEST ON HWY 160, 0.25 MI NORTH THRU WHEAT FIELD INTO LOCATION

Other Notes:

FOLLOW ALL CONVOY AND SAFETY PROCEDURES

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Comments:

Fluid Systems:

LEAD

400 SKS 35:65 POZ/CLASS C + 4% D020 + 1% S001 + 0.25 PPS D029

Density:	12.2	lb/gal	*Thickening Time:*		
Yield:	2.12	ft³/sk			
H2O Mix:	11.9	gal/sk			
H2O:	4760	gal	*Eq. Sack Weight:*	0	lb
			Total Blend:	400	sacks

Dowell Code	Conc/ Amount		Total Quantity
D029	0.25	lbs/sk	100
CLASS C	61.1	lbs/sk	24440
D132	27.8	lbs/sk	11120
S001	0.88	lbs/sk	352
D020	3.55	lbs/sk	1420

TAIL

125 SKS 50:50 POZ/CLASS H + 10 % D044 + 2 % D020 + 0.25 PPS D029 + 0.2 % D046

Density:	14.4	lb/gal	*Thickening Time:*		
Yield:	1.35	ft³/sk			
H2O Mix:	6.26	gal/sk			
H2O:	782.5	gal	*Eq. Sack Weight:*	86.7	lb
			Total Blend:	125	sacks

Dowell Code	Conc/ Amount		Total Quantity
CLASS H	47	lbs/sk	5875
D044	5.05	lbs/sk	631.25
D020	1.73	lbs/sk	216.25
D046	0.173	lbs/sk	21.625
D029	0.25	lbs/sk	31.25
D132	39.7	lbs/sk	4962.5

Schlumberger — Cementing Service Report

Customer	Job Number
CIMAREX ENERGY CO.	2205546495

Well	Location (legal)	Schlumberger Location	Job Start
Cornelson 'B' 1		Perryton, TX	2004-Jul-19

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
		°	7.88 in	3,060 ft	3,050 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Haskell	Kansas	psi	108 °F	82 °F	psi/ft

Well Master: 0630607584	API / UWI:

Rig Name	Drilled For	Service Via
CHEYENNE 8	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Vi
	lb/gal	cp

Service Line	Job Type
Cementing	Cem Prod Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
3000 psi	psi	5 1/2 HSM

Service Instructions

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

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
3050	5.5	15.5		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
				ft
				Diameter
				in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	72.1 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
bbl	73 bbl	95 bbl	167 bbl

Casing/Tubing Secured ☑ 1 Hole Volume Circulated prior to Cementing ☑

Lift Pressure: 900 psi

Pipe Rotated ☐ Pipe Reciprocated ☐

No. Centralizers: Top Plugs: 1 Bottom Plugs:

Cement Head Type: Single

Job Scheduled For:	Arrived on Location:	Leave Location:
	2004-Jul-19 4:30	2004-Jul-19 10:03

Casing Tools

Shoe Type:	
Shoe Depth:	3048 ft
Stage Tool Type:	
Stage Tool Depth:	ft
Collar Type:	
Collar Depth:	3029 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	ft
Tail Pipe Size:	in
Tail Pipe Depth:	ft
Sqz Total Vol:	bbl

Date	Time (24 hr clock)	Treating Pressure (psi)	Density (lb/gal)	Pump Rate (bbl/min)	Pump Vol (bbl)	SK FLOWMETER (bbl/min)	0	0	Message
2004-Jul-19	7:49	192	12.26	5.5	0.1	10.3	0	0	
2004-Jul-19	7:50	206	12.15	5.5	2.8	10.1	0	0	
2004-Jul-19	7:50	160	12.34	5.5	5.6	10.1	0	0	
2004-Jul-19	7:51	160	12.40	5.5	25.4	10.7	0	0	
2004-Jul-19	7:51	128	12.35	5.5	28.1	10.5	0	0	
2004-Jul-19	7:52	133	12.37	5.5	30.9	11.0	0	0	
2004-Jul-19	7:52	124	12.44	5.5	33.6	5.6	0	0	
2004-Jul-19	7:53	133	12.44	5.5	36.3	5.7	0	0	
2004-Jul-19	7:53	128	12.43	5.5	39.1	5.5	0	0	
2004-Jul-19	7:54	128	12.31	5.5	41.8	5.5	0	0	
2004-Jul-19	7:54	119	12.13	5.5	44.6	5.6	0	0	
2004-Jul-19	7:55	124	12.13	5.5	47.3	5.6	0	0	
2004-Jul-19	7:55	119	12.05	5.5	50.1	5.6	0	0	
2004-Jul-19	7:56	110	12.07	5.5	52.8	5.6	0	0	
2004-Jul-19	7:56	114	12.24	5.5	55.5	5.5	0	0	
2004-Jul-19	7:57	114	12.16	5.5	58.3	5.6	0	0	
2004-Jul-19	7:57	114	12.09	5.5	61.0	5.5	0	0	
2004-Jul-19	7:58	101	11.94	5.5	63.8	5.5	0	0	
2004-Jul-19	7:58	119	12.43	5.5	66.5	5.5	0	0	
2004-Jul-19	7:59	114	12.27	5.5	69.3	5.6	0	0	
2004-Jul-19	7:59	105	12.20	5.5	72.0	5.6	0	0	
2004-Jul-19	8:00	101	12.21	5.5	74.8	5.5	0	0	

Well	Field	Service Date	Customer	Job Number
Cornelson 'B' #1		04201-Jul-19	CIMAREX ENERGY CO.	2205546495

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-19	8:00	105	12.06	5.5	77.6	5.5	0	0	
2004-Jul-19	8:01	110	12.18	5.5	80.3	5.5	0	0	
2004-Jul-19	8:01	119	12.14	5.5	83.1	5.5	0	0	
2004-Jul-19	8:02	110	12.07	5.5	85.8	5.4	0	0	
2004-Jul-19	8:02	110	11.98	5.5	88.6	5.5	0	0	
2004-Jul-19	8:03	101	12.02	5.5	91.3	5.5	0	0	
2004-Jul-19	8:03	110	12.40	5.5	94.0	5.6	0	0	
2004-Jul-19	8:04	119	12.19	5.5	96.8	5.6	0	0	
2004-Jul-19	8:04	105	12.11	5.5	99.5	5.5	0	0	
2004-Jul-19	8:05	105	12.19	5.5	102.3	5.5	0	0	
2004-Jul-19	8:05	114	12.28	5.5	105.0	5.6	0	0	
2004-Jul-19	8:06	110	12.15	5.5	107.8	5.5	0	0	
2004-Jul-19	8:06	105	12.01	5.5	110.5	5.5	0	0	
2004-Jul-19	8:07	105	12.13	5.5	113.2	5.6	0	0	
2004-Jul-19	8:07	110	12.23	5.5	116.0	5.5	0	0	
2004-Jul-19	8:08	101	12.27	5.5	118.7	5.4	0	0	
2004-Jul-19	8:08	105	12.29	5.5	121.5	5.6	0	0	
2004-Jul-19	8:09	114	12.27	5.5	124.2	5.5	0	0	
2004-Jul-19	8:09	105	12.24	5.5	127.0	5.6	0	0	
2004-Jul-19	8:10	101	12.22	5.5	129.7	5.5	0	0	
2004-Jul-19	8:10	101	12.01	5.5	132.5	5.5	0	0	
2004-Jul-19	8:11	110	12.31	5.5	135.2	5.7	0	0	
2004-Jul-19	8:11	105	12.16	5.5	137.9	5.5	0	0	
2004-Jul-19	8:12	101	12.11	5.5	140.8	5.5	0	0	
2004-Jul-19	8:12	110	12.10	5.5	143.5	5.6	0	0	
2004-Jul-19	8:13	101	12.14	5.5	146.3	5.5	0	0	
2004-Jul-19	8:13	105	12.15	5.5	149.0	5.6	0	0	
2004-Jul-19	8:14	105	12.15	5.5	151.7	5.5	0	0	
2004-Jul-19	8:14	101	12.16	5.5	154.5	5.7	0	0	
2004-Jul-19	8:15	96	12.21	5.5	157.2	5.8	0	0	
2004-Jul-19	8:15								End Lead Slurry
2004-Jul-19	8:15	101	12.52	5.5	157.9	5.5	0	0	
2004-Jul-19	8:15								Reset Total, Vol = 158.15 bbl
2004-Jul-19	8:15	96	12.62	5.5	158.1	5.5	0	0	
2004-Jul-19	8:15								Start Mixing Tail Slurry
2004-Jul-19	8:15	101	12.76	5.5	0.4	5.1	0	0	
2004-Jul-19	8:15	114	13.26	5.5	1.8	5.2	0	0	
2004-Jul-19	8:16	124	14.08	5.5	4.6	5.4	0	0	
2004-Jul-19	8:16	151	14.43	5.5	7.3	5.4	0	0	
2004-Jul-19	8:17	142	14.28	5.5	10.1	5.5	0	0	
2004-Jul-19	8:17	137	14.06	5.5	12.8	5.5	0	0	
2004-Jul-19	8:18	137	14.33	5.5	15.5	5.6	0	0	
2004-Jul-19	8:18	160	14.34	5.5	18.3	5.4	0	0	
2004-Jul-19	8:19	142	14.30	5.5	21.0	5.5	0	0	
2004-Jul-19	8:19	137	14.27	5.5	23.8	5.4	0	0	
2004-Jul-19	8:20	133	14.29	5.5	26.5	5.6	0	0	
2004-Jul-19	8:20	146	14.31	5.5	29.3	5.3	0	0	
2004-Jul-19	8:21	137	14.32	5.5	32.0	5.6	0	0	
2004-Jul-19	8:21	151	15.06	5.5	34.7	5.4	0	0	
2004-Jul-19	8:21	-5	14.80	0.0	34.9	0.6	0	0	
2004-Jul-19	8:21								End Tail Slurry
2004-Jul-19	8:21								Reset Total, Vol = 34.87 bbl
2004-Jul-19	8:21	-5	14.66	0.0	34.9	0.6	0	0	
2004-Jul-19	8:21								Drop Top Plug

Well	Field	Service Date	Customer	Job Number
Cornelson 'B' #1		04201-Jul-19	CIMAREX ENERGY CO.	2205546495

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-19	8:21								Start Displacement
2004-Jul-19	8:21	-5	14.31	0.0	0.0	0.5	0	0	
2004-Jul-19	8:22	-5	13.10	0.0	0.0	0.6	0	0	
2004-Jul-19	8:22	-5	11.27	0.0	0.0	0.4	0	0	
2004-Jul-19	8:23	-9	10.36	0.0	0.0	4.5	0	0	
2004-Jul-19	8:23	-5	10.40	0.0	0.0	4.8	0	0	
2004-Jul-19	8:24	-5	10.35	0.0	0.0	4.9	0	0	
2004-Jul-19	8:24	1350	10.29	0.0	0.0	4.0	0	0	
2004-Jul-19	8:25	1318	10.32	0.0	0.0	3.8	0	0	
2004-Jul-19	8:25	1936	10.33	0.0	0.0	3.6	0	0	
2004-Jul-19	8:26	1854	10.33	0.0	0.0	3.6	0	0	
2004-Jul-19	8:26	1794	10.33	0.0	0.0	3.6	0	0	
2004-Jul-19	8:27	1744	10.33	0.0	0.0	3.6	0	0	
2004-Jul-19	8:27	1703	10.33	0.0	0.0	3.6	0	0	
2004-Jul-19	8:28	-5	10.32	0.0	0.0	3.6	0	0	
2004-Jul-19	8:28	-5	10.32	0.0	0.0	3.6	0	0	
2004-Jul-19	8:29	0	10.31	0.0	0.0	3.6	0	0	
2004-Jul-19	8:29	0	10.31	0.0	0.0	3.6	0	0	
2004-Jul-19	8:30	9	10.32	0.0	0.0	4.7	0	0	
2004-Jul-19	8:30	78	10.05	0.0	0.0	7.8	0	0	
2004-Jul-19	8:31	128	9.14	0.0	0.0	10.0	0	0	
2004-Jul-19	8:31	128	8.75	0.0	0.0	10.5	0	0	
2004-Jul-19	8:32	119	8.61	0.0	0.0	10.4	0	0	
2004-Jul-19	8:32	101	8.49	0.0	0.0	35.4	0	0	
2004-Jul-19	8:33	128	8.47	0.0	0.0	5.3	0	0	
2004-Jul-19	8:33	247	8.48	0.0	0.0	1.1	0	0	
2004-Jul-19	8:34	-23	8.48	0.0	0.0	0.3	0	0	
2004-Jul-19	8:34	-23	8.48	0.0	0.0	0.4	0	0	
2004-Jul-19	8:35	5	8.48	1.7	0.1	2.1	0	0	
2004-Jul-19	8:35	14	8.49	3.1	1.2	3.5	0	0	
2004-Jul-19	8:36	14	8.49	3.1	2.8	3.6	0	0	
2004-Jul-19	8:36	14	8.49	3.1	4.3	3.6	0	0	
2004-Jul-19	8:37	23	8.49	3.9	6.0	4.3	0	0	
2004-Jul-19	8:37	114	8.49	4.0	8.0	4.3	0	0	
2004-Jul-19	8:38	124	8.49	4.0	10.5	4.3	0	0	
2004-Jul-19	8:38	96	8.49	3.7	12.4	4.0	0	0	
2004-Jul-19	8:39	78	8.49	3.1	14.1	3.5	0	0	
2004-Jul-19	8:39	119	8.49	3.1	15.6	3.5	0	0	
2004-Jul-19	8:40	101	8.49	3.0	17.1	3.4	0	0	
2004-Jul-19	8:40	133	8.49	2.1	18.4	2.5	0	0	
2004-Jul-19	8:41	96	8.49	2.1	19.5	2.5	0	0	
2004-Jul-19	8:41	188	8.49	2.6	20.6	3.0	0	0	
2004-Jul-19	8:42	206	8.49	3.0	22.1	3.4	0	0	
2004-Jul-19	8:42	179	8.49	3.0	23.6	3.4	0	0	
2004-Jul-19	8:43	229	8.49	3.0	25.1	3.4	0	0	
2004-Jul-19	8:43	243	8.49	3.0	26.6	3.3	0	0	
2004-Jul-19	8:44	169	8.49	3.0	28.1	3.3	0	0	
2004-Jul-19	8:44	192	8.49	3.0	29.6	3.3	0	0	
2004-Jul-19	8:45	270	8.49	2.9	31.1	3.2	0	0	
2004-Jul-19	8:45	201	8.49	3.0	32.6	3.3	0	0	
2004-Jul-19	8:46	206	8.49	2.9	34.1	3.2	0	0	
2004-Jul-19	8:46	192	8.49	2.9	35.6	3.3	0	0	
2004-Jul-19	8:47	270	8.49	2.9	37.0	3.2	0	0	
2004-Jul-19	8:47	389	8.49	2.9	38.5	3.2	0	0	

Well	Field	Service Date	Customer	Job Number
Cornelson 'B' #1		04201-Jul-19	CIMAREX ENERGY CO.	2205546495

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-19	8:48	380	8.49	2.9	39.9	3.2	0	0	
2004-Jul-19	8:48	371	8.49	2.9	41.4	3.2	0	0	
2004-Jul-19	8:49	352	8.49	2.9	42.8	3.2	0	0	
2004-Jul-19	8:49	417	8.49	2.8	44.2	3.1	0	0	
2004-Jul-19	8:50	403	8.49	2.8	45.6	3.1	0	0	
2004-Jul-19	8:50	449	8.49	2.8	47.0	3.1	0	0	
2004-Jul-19	8:51	476	8.49	2.7	48.4	3.1	0	0	
2004-Jul-19	8:51	476	8.49	2.7	49.8	3.1	0	0	
2004-Jul-19	8:52	517	8.49	2.7	51.1	2.9	0	0	
2004-Jul-19	8:52	526	8.49	2.7	52.5	3.0	0	0	
2004-Jul-19	8:53	549	8.49	2.7	53.8	3.0	0	0	
2004-Jul-19	8:53	586	8.49	2.6	55.2	2.9	0	0	
2004-Jul-19	8:54	613	8.49	2.6	56.5	2.9	0	0	
2004-Jul-19	8:54	632	8.49	2.6	57.8	2.9	0	0	
2004-Jul-19	8:55	655	8.49	2.5	59.0	2.8	0	0	
2004-Jul-19	8:55	668	8.49	2.5	60.3	2.8	0	0	
2004-Jul-19	8:56	682	8.49	2.5	60.9	2.8	0	0	
2004-Jul-19	8:56	714	8.49	2.4	62.2	2.8	0	0	
2004-Jul-19	8:57	732	8.49	2.4	63.4	2.7	0	0	
2004-Jul-19	8:57	751	8.49	2.4	64.6	2.7	0	0	
2004-Jul-19	8:58	774	8.49	2.3	65.8	2.6	0	0	
2004-Jul-19	8:58	792	8.49	2.3	66.9	2.6	0	0	
2004-Jul-19	8:59	819	8.49	2.3	68.1	2.6	0	0	
2004-Jul-19	8:59	838	8.49	2.3	69.2	2.6	0	0	
2004-Jul-19	9:00	838	8.49	2.2	70.3	2.6	0	0	
2004-Jul-19	9:00	874	8.49	2.2	71.5	2.5	0	0	
2004-Jul-19	9:01	888	8.49	2.2	72.6	2.5	0	0	
2004-Jul-19	9:01	1186	8.50	0.0	72.7	0.4	0	0	
2004-Jul-19	9:02	1186	8.50	0.0	72.7	0.3	0	0	
2004-Jul-19	9:02								Bump Top Plug
2004-Jul-19	9:02	1186	8.50	0.0	72.7	0.4	0	0	
2004-Jul-19	9:02								End Displacement
2004-Jul-19	9:02	1186	8.50	0.0	72.7	0.3	0	0	
2004-Jul-19	9:02								Reset Total, Vol = 72.71 bbl
2004-Jul-19	9:02	1186	8.50	0.0	72.7	0.4	0	0	
2004-Jul-19	9:02	970	8.50	0.0	0.0	0.4	0	0	
2004-Jul-19	9:03	-9	8.50	0.0	0.0	0.3	0	0	

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
5.5			5.7

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
181	0	0	

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
1200		300	1200	

Breakdown Fluid

Volume	Density
bbl	8.34 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp
%	181 bbl	72.1 bbl	°F

☑ Cement Circulated to Surface? Volume 35 bbl

☐ Washed Thru Perfs To ft

Customer or Authorized Representative	Schlumberger Supervisor		
PAULY, DAVID	Landeros, Feliverto	☐ CirculationLost	☑ Job Completed

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