

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

ORIGINAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

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 SLOW 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. _____

<u>07-08-04</u>	<u>07-09-04</u>	<u>07-21-04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 081-21540 - 0000
County: Haskell
NW - NE - Sec. 15 Twp. 28 S. R. 32 East West
2521' feet from (S) / N (circle one) Line of Section
1250' feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Schuette "A" Well #: 1-2
Field Name: Hugoton

Producing Formation: Chase
Elevation: Ground: 2936' Kelly Bushing: 6.0 2950'
Total Depth: 2850' Plug Back Total Depth: 2794'
Amount of Surface Pipe Set and Cemented at 632 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 cm.

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.: _____

*As II with
4-21-04*

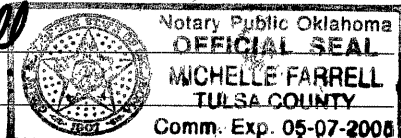
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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 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,
20 04.
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: Schuette "A" Well #: 1-2
 Sec. 15 Twp. 28 S. R. 32 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 <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#	632	common	350	
production	7 7/8"	5 1/2"	14#	2846	35/65" Poz Class C	525	4% D20 gel, 1% S1 CaCl

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2710'-2722'; 2734'-2746'	40,720# 16/30 sand, 24,000 gals 70Q WF130	

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TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	2744'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
07-21-04		<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	210	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
SCHUETTE A 1-2
SECTION 15-T28S-R32W
HASKELL COUNTY, KANSAS

COMMENCED: 07-08-04
COMPLETED: 07-10-04

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SURFACE CASING: 731' OF 8 5/8" CMTD
W/225 SKS LITE + 2%CC TAILED W/125 SKS
COMMON + 2% CC.

FORMATION	DEPTH
SURFACE HOLE	0 - 670
RED BED	670 - 1280
GLORIETTA	1280 - 1500
RED BED	1500 - 2320
LIMESTONE & SHALE	2320 - 2850 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 15TH DAY OF JULY, 2004

JOLENE K. RUSSELL


NOTARY PUBLIC

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ALLIED CEMENTING CO., INC. 13042

Federal Tax I.D.# 48-0727860

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

SERVICE POINT: Cheyenne

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DATE	SEC. 19	TWP. -S5	RANGE 32E	ON LOCATION 3.00 PM	JOB START	JOB FINISH
LEASE # <u>111111</u>	WELL # 1-2	LOCATION 5678	COUNTY Hamilton	STATE KS		
OLD OR NEW (Circle one)						

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CONTRACTOR ...

TYPE OF JOB ...

HOLE SIZE 12 1/4 T.D. 643

CASING SIZE ... DEPTH ...

TUBING SIZE ... DEPTH ...

DRILL PIPE ... DEPTH ...

TOOL ... DEPTH ...

PRES. MAX ... MINIMUM ...

MEAS. LINE ... SHOE JOINT ...

CEMENT LEFT IN CSG. ...

PERFS. ...

DISPLACEMENT 30 3 Mill

OWNER Cinn... Energy Corp

CEMENT AMOUNT ORDERED

...

COMMON 125-0 @ ...

POZMIX @

GEL @

CHLORIDE @ ...

... @ ...

... @ ...

EQUIPMENT

PUMP TRUCK CEMENTER Max

... HELPER ...

BULK TRUCK DRIVER ...

... DRIVER

RECEIVED

HANDLING @ ...

MILEAGE 51 @ ...

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TOTAL 4927.00

REMARKS:

SERVICE

...

...

...

...

DEPTH OF JOB 643

PUMP TRUCK CHARGE ...

EXTRA FOOTAGE @

MILEAGE 4.00 @ 4.00 16.00

PLUG @ ... 12.00

@

@

TOTAL 110.00

CHARGE TO: Che... Drilling

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

3-500 @ 40.00 120.00

1-500 @ ... 65.00

1-Thread Lock @ ... 30.00

@

@

TOTAL 195.00

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 5074.00

DISCOUNT 5074.00 IF PAID IN 30 DAYS

SIGNATURE ...

PRINTED NAME



Service Order

2004-Aug-12

Customer CIMAREX ENERGY CO.		Person Taking Call Grella, Miguel		Dowell Location Perryton, TX		Order Date 2004-Jul-02		Job Number 2205546499			
Well Name and Number Schuette 'A' 1-2			Legal Location		Field		County Haskell		State/Province Kansas		
Well Master: 0630607579			API / UWI:								
Rig Name CHEYENNE 8			Well Age New		Sales Engineer Cambern, Charles			Job Type Cem Prod Casing			
Time Well Ready: 7/10/2004 3:00 AM		Deviation °		Bit Size 7.88 in		Well MD 2,830 ft		Well TVD 2,830 ft		BHP psi	
								108 °F		82 °F	
Treat Down Casing		Packer Type		Packer Depth ft		WellHead Connection 5 1/2 HSM		HHP on Location		Max Allowed Pressure 3000	
Casing					Services Instructions:						
Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
2830		5.5		14		K55		8RD			
Tubing											
Depth,		Size, in		Weight, lb/ft		Grade		Thread			
Perforated Intervals											
Top, ft		Bottom, ft		spf		No. of Shots		Total Interval			
								ft			
								Diameter			
								in			
Expected On Location: 7/10/2004 3:00 AM Ready To Pump: 7/10/2004 3:00 AM											

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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Contact	Voice	Mobile	FAX	Notes
DAVID PAULY				

Notes:

5 1/2 FLOAT EQUIPMENT = 1 GUIDE SHOE (202) = 1 ORIFICE FILL INSERT (1112) = 10 REG. CENTRALIZERS & NAILS = 1 STOP RING = 1 THREADLOCK = 5 1/2 TOP & BOTTOM PLUG (PROVIDED ON LOCATION BY CUSTOMER)

Directions:

PERRYTON TX, ===NORTH ON HWY 83 TO SUBLETTE KANSAS===9 NORTH ON 83===4 EAST===1/4 NORTH===WEST 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	ft ³ /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
D020	3.55	lbs/sk	1420
D132	27.8	lbs/sk	11120
S001	0.88	lbs/sk	352
D029	0.25	lbs/sk	100
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			
Density:	14.4	lb/gal	Thickening Time:
Yield:	1.35	ft ³ /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
D132	39.7	lbs/sk	4962.5
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

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Cementing Service Report

Customer CIMAREX ENERGY CO.							Job Number 2205546499						
Well Schuette 'A' 1-2			Location (legal)		Schlumberger Location Perryton, TX			Job Start 2004-Jul-10					
Field		Formation Name/Type			Deviation	Bit Size 7.88 in	Well MD 2,830 ft	Well TVD 2,830 ft					
County Haskell		State/Province Kansas			BHP psi	BHST 108 °F	BHCT 82 °F	Pore Press. Gradient psi/ft					
Well Master: 0630607579		API / UWI:			Casing/Liner								
Rig Name CHEYENNE 8		Drilled For Oil & Gas		Service Via Land		Depth, ft 2830	Size, in 5.5	Weight, lb/ft 14	Grade K55	Thread 8RD			
Offshore Zone		Well Class New		Well Type Development		Tubing/Drill Pipe							
Drilling Fluid Type		Max. Density lb/gal		Plastic Vt cp		Depth,	Size, in	Weight, lb/ft	Grade	Thread			
Service Line Cementing		Job Type Cem Prod Casing				Perforations/Open Hole							
Max. Allowed Tubing Pressure 3000 psi		Max. Allowed Ann. Pressure psi		WellHead Connection 5 1/2 HSM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft			
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										Diameter in			
						Treat Down Casing		Displacement 68.3 bbl		Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl		OpenHole Vol bbl	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>				Casing Tools			Squeeze Job				
Lift Pressure: psi		Pipe Rotated <input type="checkbox"/>				Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type			
No. Centralizers:		Top Plugs: 1		Bottom Plugs:		Shoe Depth: ft		Tool Type:					
Cement Head Type: Single		Job Scheduled For: 7/10/2004 3:00				Arrived on Location: 2004-Jul-10 3:30		Leave Location: 2004-Jul-10 6:00		Stage Tool Type:	Tool Depth: ft		
								Stage Tool Depth: ft		Tail Pipe Size: in			
								Collar Type:		Tail Pipe Depth: ft			
								Collar Depth: ft		Sqz Total Vol: bbl			
Message													
Date	Time	Treating Pressure: psi	CMT VOL: bbl	CMT RATE: bbl/min	CMT DENS: lb/gal	Flowmeter: bbl/min	Flowtot: bbl	0	0				
2004-Jul-10	4:28	0	0.0	0.0	8.31	5.0	0.1	0	0				
2004-Jul-10	4:28	0	0.0	0.0	8.31	5.0	0.6	0	0				
2004-Jul-10	4:28									Start Job			
2004-Jul-10	4:28									Start Pumping Spacer			
2004-Jul-10	4:28	0	0.0	0.0	8.31	5.0	0.9	0	0				
2004-Jul-10	4:28	0	0.0	0.0	8.31	5.0	2.6	0	0				
2004-Jul-10	4:29	0	0.0	0.0	8.31	5.0	5.1	0	0				
2004-Jul-10	4:29	0	0.0	0.0	8.31	5.0	7.6	0	0				
2004-Jul-10	4:30	0	0.0	0.0	8.31	5.0	10.1	0	0				
2004-Jul-10	4:30	0	0.0	0.0	8.31	5.0	12.6	0	0				
2004-Jul-10	4:31	174	0.0	4.3	8.33	4.3	15.0	0	0				
2004-Jul-10	4:31	174	0.0	4.5	8.33	4.4	15.2	0	0				
2004-Jul-10	4:31									Reset Total, Vol = 0.00 bbl			
2004-Jul-10	4:31	179	2.0	4.0	8.33	4.6	2.1	0	0				
2004-Jul-10	4:32	160	3.9	4.0	8.34	4.1	4.0	0	0				
2004-Jul-10	4:32	174	5.9	4.0	8.34	4.1	6.0	0	0				
2004-Jul-10	4:32	179	6.6	4.0	8.35	4.1	6.7	0	0				
2004-Jul-10	4:32									Reset Total, Vol = 6.65 bbl			
2004-Jul-10	4:32									End Spacer			
2004-Jul-10	4:32	174	0.2	4.1	8.35	4.1	0.2	0	0				
2004-Jul-10	4:32									Start Cement Slurry			
2004-Jul-10	4:32	179	0.3	4.1	8.35	4.1	0.3	0	0				

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Well		Field			Service Date		Customer		Job Number	
Schuette 'A' #1-2					04192-Jul-10		CIMAREX ENERGY CO.		2206546499	
Date	Time	Treating Pressure	CMT VOL	CMT RATE	CMT DENS	Flowmeter	Flowtot	0	0	Message
	24 hr clock	psi	bbbl	bbbl/min	lb/gal	bbbl/min	bbbl			
2004-Jul-10	4:32	179	0.4	4.0	8.35	4.1	0.4	0	0	
2004-Jul-10	4:32									Start Mixing Lead Slurry
2004-Jul-10	4:33	192	1.3	4.0	8.39	4.1	1.3	0	0	
2004-Jul-10	4:33	160	3.3	4.1	9.29	3.9	3.3	0	0	
2004-Jul-10	4:34	215	5.3	4.0	10.54	3.7	5.1	0	0	
2004-Jul-10	4:34	380	7.8	6.6	11.34	5.6	6.1	0	0	
2004-Jul-10	4:35	206	10.1	4.4	11.79	4.3	8.5	0	0	
2004-Jul-10	4:35	197	12.3	4.4	12.57	4.3	10.6	0	0	
2004-Jul-10	4:36	256	14.7	5.3	12.82	4.9	12.5	0	0	
2004-Jul-10	4:36	87	17.4	5.4	12.22	4.7	15.0	0	0	
2004-Jul-10	4:37	160	20.1	5.5	12.32	5.2	17.4	0	0	
2004-Jul-10	4:37	179	22.8	5.5	12.38	5.5	20.1	0	0	
2004-Jul-10	4:38	165	25.6	5.6	12.31	5.4	22.8	0	0	
2004-Jul-10	4:38	128	28.3	5.5	12.27	5.6	25.5	0	0	
2004-Jul-10	4:39	87	31.1	5.6	12.24	5.1	28.2	0	0	
2004-Jul-10	4:39	105	33.9	5.6	12.21	5.2	30.7	0	0	
2004-Jul-10	4:40	119	36.7	5.6	12.19	5.7	33.4	0	0	
2004-Jul-10	4:40	124	39.5	5.6	12.35	5.8	36.3	0	0	
2004-Jul-10	4:41	124	42.4	5.6	12.45	5.7	39.1	0	0	
2004-Jul-10	4:41	124	45.2	5.6	12.41	5.5	41.9	0	0	
2004-Jul-10	4:42	133	48.0	5.6	12.23	5.6	44.8	0	0	
2004-Jul-10	4:42	105	50.8	5.7	12.14	5.1	47.3	0	0	
2004-Jul-10	4:43	101	53.7	5.7	12.23	5.1	49.8	0	0	
2004-Jul-10	4:43	110	56.5	5.7	12.29	4.9	52.4	0	0	
2004-Jul-10	4:44	128	59.4	5.7	12.24	5.7	55.1	0	0	
2004-Jul-10	4:44	119	62.2	5.7	12.17	5.6	57.9	0	0	
2004-Jul-10	4:45	128	65.2	5.7	12.14	5.7	60.8	0	0	
2004-Jul-10	4:45	124	68.0	5.8	11.88	5.7	63.7	0	0	
2004-Jul-10	4:46	133	70.9	5.8	12.24	5.7	66.5	0	0	
2004-Jul-10	4:46	137	73.8	5.8	12.43	5.6	69.4	0	0	
2004-Jul-10	4:47	137	76.7	5.8	12.44	5.8	72.2	0	0	
2004-Jul-10	4:47	137	79.5	5.7	12.40	5.7	75.1	0	0	
2004-Jul-10	4:48	133	82.4	5.7	12.02	5.9	77.9	0	0	
2004-Jul-10	4:48	128	85.2	5.8	12.04	5.8	80.8	0	0	
2004-Jul-10	4:49	142	88.1	5.8	12.46	5.8	83.7	0	0	
2004-Jul-10	4:49	142	91.0	5.8	12.64	6.0	86.7	0	0	
2004-Jul-10	4:50	137	93.9	5.8	12.43	5.8	89.6	0	0	
2004-Jul-10	4:50	128	96.7	5.8	12.08	5.9	92.5	0	0	
2004-Jul-10	4:51	124	99.6	5.7	12.05	5.9	95.5	0	0	
2004-Jul-10	4:51	128	102.5	5.7	12.07	5.7	98.4	0	0	
2004-Jul-10	4:52	133	105.3	5.8	12.09	5.9	101.2	0	0	
2004-Jul-10	4:52	133	108.3	5.8	12.11	5.9	104.2	0	0	
2004-Jul-10	4:53	128	111.1	5.7	12.11	5.7	107.1	0	0	
2004-Jul-10	4:53	128	114.0	5.8	12.14	5.9	110.0	0	0	
2004-Jul-10	4:54	133	116.9	5.8	12.29	5.8	112.9	0	0	
2004-Jul-10	4:54	133	119.8	5.7	12.32	5.9	115.8	0	0	
2004-Jul-10	4:55	133	122.6	5.8	12.35	5.8	118.7	0	0	
2004-Jul-10	4:55	133	125.5	5.8	12.35	5.7	121.6	0	0	
2004-Jul-10	4:56	133	128.4	5.7	12.35	5.7	124.5	0	0	
2004-Jul-10	4:56	133	131.2	5.7	12.37	5.8	127.4	0	0	
2004-Jul-10	4:57	133	134.1	5.8	12.38	5.8	130.3	0	0	
2004-Jul-10	4:57	133	137.0	5.8	12.37	5.7	133.2	0	0	
2004-Jul-10	4:58	133	139.9	5.8	12.27	5.5	136.1	0	0	
2004-Jul-10	4:58	128	142.8	5.7	12.11	5.8	138.9	0	0	

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Well		Field			Service Date		Customer		Job Number	
Schuette 'A' #1-2					04192-Jul-10		CIMAREX ENERGY CO.		2205546499	
Date	Time	Treating Pressure	CMT VOL	CMT RATE	CMT DENS	Flowmeter	Flowtot	0	Message	
	24 hr clock	psi	bbl	bbl/min	lb/gal	bbl/min	bbl	0		
2004-Jul-10	4:59	137	145.7	5.8	12.50	5.9	141.9	0		
2004-Jul-10	4:59	133	148.5	5.7	12.40	5.8	144.8	0		
2004-Jul-10	5:00	128	151.4	5.8	12.18	5.9	147.7	0		
2004-Jul-10	5:00	133	154.3	5.8	12.11	5.7	150.6	0		
2004-Jul-10	5:01	128	157.2	5.8	12.06	5.8	153.5	0		
2004-Jul-10	5:01	142	160.1	5.8	12.86	5.8	156.4	0		
2004-Jul-10	5:02	146	163.0	5.8	13.44	5.8	159.4	0		
2004-Jul-10	5:02	169	165.8	5.7	14.30	5.8	162.2	0		
2004-Jul-10	5:02	174	166.7	5.8	14.39	5.8	163.1	0		
2004-Jul-10	5:02								Reset Total, Vol = 166.70 bbl	
2004-Jul-10	5:02								End Lead Slurry	
2004-Jul-10	5:02	169	0.6	5.8	14.39	5.8	0.6	0		
2004-Jul-10	5:02								Start Mixing Tail Slurry	
2004-Jul-10	5:02	174	0.7	5.8	14.39	5.8	0.7	0		
2004-Jul-10	5:03	174	2.0	5.8	14.43	5.8	2.0	0		
2004-Jul-10	5:03	174	4.9	5.8	14.49	5.8	5.0	0		
2004-Jul-10	5:04	169	7.8	5.7	14.59	5.9	7.9	0		
2004-Jul-10	5:04	179	10.8	5.8	14.60	5.8	10.9	0		
2004-Jul-10	5:05	183	13.6	5.8	14.65	5.8	13.8	0		
2004-Jul-10	5:05	179	16.5	5.8	14.63	5.8	16.7	0		
2004-Jul-10	5:06	174	19.4	5.8	14.38	5.8	19.6	0		
2004-Jul-10	5:06	165	22.3	5.8	14.15	5.7	22.5	0		
2004-Jul-10	5:07	169	25.1	5.8	13.98	5.8	25.4	0		
2004-Jul-10	5:07	-5	26.2	0.0	10.80	5.4	27.8	0		
2004-Jul-10	5:07	-5	26.2	0.0	10.62	5.4	28.0	0		
2004-Jul-10	5:07								Reset Total, Vol = 26.25 bbl	
2004-Jul-10	5:08	-5	26.2	0.0	10.38	5.3	30.5	0		
2004-Jul-10	5:08	64	26.2	0.9	10.40	2.5	33.0	0		
2004-Jul-10	5:09	92	27.0	3.4	9.76	3.5	34.5	0		
2004-Jul-10	5:09	73	27.0	3.4	8.44	3.5	36.2	0		
2004-Jul-10	5:10	69	27.0	3.4	8.42	3.4	37.9	0		
2004-Jul-10	5:10	46	27.0	3.4	8.42	6.8	39.7	0		
2004-Jul-10	5:11	64	27.0	3.4	8.42	3.4	42.0	0		
2004-Jul-10	5:11	64	27.0	3.4	8.38	3.4	43.6	0		
2004-Jul-10	5:12	0	27.0	3.4	8.38	6.2	46.6	0		
2004-Jul-10	5:12	14	27.0	3.4	8.38	6.3	49.7	0		
2004-Jul-10	5:13	14	27.0	3.4	8.38	6.3	52.8	0		
2004-Jul-10	5:13	14	27.0	3.4	8.38	6.2	56.0	0		
2004-Jul-10	5:14	82	27.0	3.4	8.38	6.3	59.1	0		
2004-Jul-10	5:14	55	28.9	4.7	8.38	4.9	61.6	0		
2004-Jul-10	5:15	55	31.3	4.9	8.38	5.1	64.1	0		
2004-Jul-10	5:15	96	33.8	4.9	8.36	4.9	66.6	0		
2004-Jul-10	5:16	114	36.2	4.8	8.36	4.9	69.0	0		
2004-Jul-10	5:16	137	38.6	4.7	8.36	4.8	71.5	0		
2004-Jul-10	5:17	179	41.2	5.2	8.36	5.2	74.1	0		
2004-Jul-10	5:17	197	43.7	5.2	8.36	5.2	76.7	0		
2004-Jul-10	5:18	211	46.3	5.1	8.36	5.2	79.3	0		
2004-Jul-10	5:18	238	48.9	5.1	8.36	5.2	81.8	0		
2004-Jul-10	5:19	247	51.4	5.1	8.36	5.2	84.4	0		
2004-Jul-10	5:19								End Tail Slurry	
2004-Jul-10	5:19	270	53.4	5.0	8.36	5.0	26.3	0		
2004-Jul-10	5:19								Start Displacement	
2004-Jul-10	5:19	261	53.6	5.0	8.36	5.1	26.4	0		
2004-Jul-10	5:19	275	53.9	5.0	8.36	5.1	26.8	0		

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Well Schuette 'A' #1-2	Field	Service Date 04192-Jul-10	Customer CIMAREX ENERGY CO.	Job Number 2205546499
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Date	Time 24 hr clock	Treating Pressure psi	CMT VOL bbl	CMT RATE bbl/min	CMT DENS lb/gal	Flowmeter bbl/min	Flowtot bbl	0	0	Message
2004-Jul-10	5:20	293	56.4	4.9	8.36	5.0	29.3	0		
2004-Jul-10	5:20	307	58.8	4.9	8.36	5.0	31.8	0		
2004-Jul-10	5:21	320	61.3	4.9	8.36	4.9	34.2	0		
2004-Jul-10	5:21	362	63.8	5.0	8.36	5.1	36.7	0		
2004-Jul-10	5:22	375	66.3	4.9	8.36	4.9	39.3	0		
2004-Jul-10	5:22	412	68.7	4.9	8.36	4.9	41.7	0		
2004-Jul-10	5:23	435	71.1	4.7	8.36	4.6	44.1	0		
2004-Jul-10	5:23	485	73.6	4.9	8.36	4.9	46.6	0		
2004-Jul-10	5:24	517	76.0	4.7	8.36	4.7	49.0	0		
2004-Jul-10	5:24	540	78.3	4.5	8.36	4.5	51.3	0		
2004-Jul-10	5:25	572	80.6	4.5	8.36	4.4	53.6	0		
2004-Jul-10	5:25	627	82.8	4.7	8.36	4.7	55.8	0		
2004-Jul-10	5:26	613	84.9	3.0	8.36	3.4	58.0	0		
2004-Jul-10	5:26	591	86.2	2.4	8.36	2.3	59.2	0		
2004-Jul-10	5:27	613	87.4	2.4	8.36	2.4	60.4	0		
2004-Jul-10	5:27	627	88.5	2.4	8.36	2.3	61.5	0		
2004-Jul-10	5:28	645	89.7	2.3	8.36	2.3	62.7	0		
2004-Jul-10	5:28	659	90.9	2.3	8.36	2.3	63.8	0		
2004-Jul-10	5:29	682	92.0	2.4	8.36	2.3	65.0	0		
2004-Jul-10	5:29	696	93.2	2.3	8.36	2.2	66.1	0		
2004-Jul-10	5:30	719	94.3	2.3	8.36	2.2	67.2	0		
2004-Jul-10	5:30	1035	95.2	0.0	8.36	4.3	68.3	0		
2004-Jul-10	5:31	1089	95.2	0.0	1.09	0.0	69.8	0		
2004-Jul-10	5:31	957	95.2	0.0	1.00	0.0	69.8	0		
2004-Jul-10	5:32	-9	95.2	0.0	1.00	0.0	69.8	0		
2004-Jul-10	5:32	-5	95.2	0.0	1.00	0.0	69.8	0		
2004-Jul-10	5:33	0	95.2	0.0	1.00	0.0	69.8	0		

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.91			7.55	73.36	0	0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
1089.44		207.72			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To ft			
%	bbl	43.06 bbl	°F				
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> CirculationLost <input type="checkbox"/> Job Completed		
PAULY, DAVID			Halpain, Erik				

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