

PPPA
120302

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

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 33094
Name: Cimarex Energy Co.
Address: 15 East 5th Street, Suite 1000
City/State/Zip: Tulsa, OK 74103
Purchaser: _____
Operator Contact Person: David Cook
Phone: (918) 295-1638
Contractor: Name: Cheyenne Drilling
License: 5382
Wellsite Geologist: Brad Rine

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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. E-28,234

12-30-2003 1-6-2004 1-20-2004
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 0812180200 ⁵⁰⁰⁻⁰⁰⁻⁰⁰
County: Haskell
NE SW NE Sec. 03 Twp. 27 S. R. 34 East West
3800 feet from (S) / N (circle one) Line of Section
1900 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) ~~(SE)~~ NW SW
Lease Name: Mary Jones Well #: 4 WIW

Field Name: Pleasant Prairie
Producing Formation: Chester Injection Zone

Elevation: Ground: 2967.7 Kelly Bushing: 2979
Total Depth: 5343 Plug Back Total Depth: 5287

Amount of Surface Pipe Set and Cemented at 1928 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 2000 est. ppm Fluid volume 1000 est. bbls
Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: none hauled off site
Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

Handwritten: All 10-3-19-04

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: David L Cook

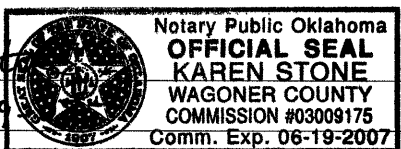
Title: Prod Mgr - Kansas Date: 2-9-04

Subscribed and sworn to before me this 9 day of February

20 04

Notary Public: Karen Stone

Date Commission Expires: 6-19-07



KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

✓

X

ORIGINAL

Operator Name: Cimarex Energy Co. Lease Name: Mary Jones Well #: 4 WIW
 Sec. 03 Twp. 27 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Platform express & sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Chase 2553 Council Grove 2826 Morrow RECEIVED 4967 <p style="text-align: center;">FEB 12 2004 KCC WICHITA</p>
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CASING RECORD <input checked="" 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#	1928'	A lite	790	2% CC, 1/4# flake
Production	7 7/8"	5 1/2"	14#	5340'	50/50 poz	210	10% salt, 1/8# flake, 2% gel, .6% HALD

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	5139-5148', 5152-5158', 5164-5180'	Acid: 3000 gal of 7 1/2% HCL	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	5122'	5122'		
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
1-23-2004			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input checked="" type="checkbox"/> Other (Specify) <u>Enhanced Recovery</u>	

HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER 2857774	TICKET DATE 01/07/04
BDA / STATE MC/Ks	COUNTY HASKELL
PSL DEPARTMENT Cement	ORIGINAL
CUSTOMER REP / PHONE MONTY DEAN	
API/UWI #	
SAP BOMB NUMBER 7523	Cement Production Casing
HES FACILITY (CLOSEST TO WELL SITE) LIBERAL,KS.	

REGION Central Operations	NWA / COUNTRY Mid Contintnt/USA
MBU ID / EMPL # MCL / IO104	H.E.S. EMPLOYEE NAME JOHN WOODROW
LOCATION LIBERAL	COMPANY CIMAREX ENERGY
TICKET AMOUNT \$10,279.19	WELL TYPE 02 Gas
WELL LOCATION SUBLETTE,KS.	DEPARTMENT CEMENT
LEASE NAME MARY JONES (WIW)	Well No. 4
	SEC / TWP / RNG 3 - 27S - 34W

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR
Woodrow, J 105848	7.0	Pollock, T 106089	7.0
Oliphant, C 243055	7.0	Williams, P 105919	7.0

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES
10415641	120	54029 / 10011278	60
10011407 / 10011306	120	10010997 / 10010977	60

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

Date	Called Out	On Location	Job Started	Job Completed
	1/7/2004	1/7/2004	1/7/2004	1/7/2004
Time	0730	1100	1650	1745

Type and Size	Qty	Make
Float Collar		H
Float Shoe INSERT 5 1/2	1	
Centralizers REG 5 1/2	12	A
Top Plug LD 5 1/2	1	
HEAD Q/L 5 1/2	1	L
Limit clamp	1	
Weld-A	1	C
Guide Shoe		
BTM PLUG		O

	New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing			14#	5 1/2"		KB	5,342	
Liner								
Liner								
Tubing								
Drill Pipe								
Open Hole				7 7/8"				
Perforations								Shots/Ft.
Perforations								
Perforations								

Materials			
Mud Type	Density		Lb/Gal
Disp. Fluid	Density		Lb/Gal
Prop. Type	Size		Lb
Prop. Type	Size		Lb
Acid Type	MSA	Gal.	500 % 10
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
Breaker		Gal/Lb	In
Blocking Agent		Gal/Lb	
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/7	7.0	1/7	2.0	Cement Production Casing
Total	7.0	Total	2.0	SEE JOB LOG

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet 44	Cement Left in Pipe Reason	SHOE JOINT

Cement Data								
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal	
1	210	50/50 POZ H		2% TOTAL GEL - 4% CALSEAL - 1/8# FLOCELE - 10% SALT - .6% HALAL	6.07	1.36	14.30	
2								
3								
4								

Summary					
Circulating	Displacement	Preflush:	BBI	12.00	Type: MUD FLUSH
Breakdown	MAXIMUM	Load & Bkdn:	Gal - BBI		Pad:Bbl -Gal
Lost Returns-y	Lost Returns-N	Excess /Return BBI			Calc.Disp Bbl 130
Cmt Rtrn#Bbl	Actual TOC	Calc. TOC:			Actual Disp. 130
Average	Frac. Gradient	Treatment:	Gal - BBI		Disp:Bbl 130.00
Shut in: Instant	5 Min. 15 Min.	Cement Slurry	BBI	50.0	
		Total Volume	BBI	192.00	

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

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____

RECEIVED

FEB 12 2004

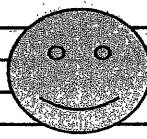
ORIGINAL

KCC WICHITA

HALLIBURTON JOB LOG		TICKET # 2857774	TICKET DATE 01/07/04
REGION Central Operations	NWA / COUNTRY Mid Contitnent/USA	BDA / STATE MC/Ks	COUNTY HASKELL
MBU ID / EMPL # MCL / IO104	H.E.S EMPLOYEE NAME JOHN WOODROW	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY CIMAREX ENERGY	CUSTOMER REP / PHONE 30 MONTY DEAN	1-918-629-3302
TICKET AMOUNT \$10,279.19	WELL TYPE 02 Gas	API/UWI #	
WELL LOCATION SUBLETTE,KS.	DEPARTMENT CEMENT	JOB PURPOSE CODE Cement Production Casing	
LEASE NAME MARY JONES (WIW)	Well No. 4	SEC / TWP / RNG 3 - 27S - 34W	HES FACILITY (CLOSEST TO WELL) LIBERAL,KS.

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Woodrow, J 105848		Pollock, T 106089					
Oliphant, C 243055							
		Williams, P 105919					

Chart No.	Time	Rate (BPM)	volume (BBL/GAL)	Rate		Press. (PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	1130							JOB READY
	0730							CALLED OUT FOR JOB
	1100							PUMP TRUCK & BULK CMT. ON LOCATION
	1115							PRE JOB SITE ASSESMENT / SPOT EQUIP. / RIG UP
	1345							START RUNNING 5 1/2 CASING & FLOAT EQUIP.
	1610							CASING ON BOTTOM (5342 FT.)
	1615							HOOK UP 5 1/2 P/C & CIRCULATING IRON
	1630							START CIRCULATING WITH RIG PUMP
								PRIME UP PUMP TRUCK / HOLD PRE JOB SAFETY MEETING
								THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
								(JOB PROCEDURE)
	1650				2000			TEST PUMP & LINES
	1652	4.0	12.0		300			PUMP 12 BBLs. MUD FLUSH
	1702	6.0	50.0		300-380			START MIXING 210 SKS CMT. @ 14.3#/GAL
	1716							THROUGH MIXING CMT. / SHUT DOWN
	1717							CLEAN PUMP & LINES / RELEASE PLUG
	1719	6.0			70			START DISPLACING
			12.0					PUMP FIRST 12 BBLs. WITH 10% MSA ACID
	1740	3.5	120.0		500-400			HAVE 120 BBLs. OUT / SLOW RATE TO 3.5 BPM
	1755				550			MAX LIFT PRESSURE BEFORE LANDING PLUG
	1745		130.0		1200			PLUG DOWN / RELEASE FLOAT
								FLOAT HELD
								THANK YOU FOR CALLING HALLIBURTON !!!
								(WOODY & CREW)



HALLIBURTON

Work Order Contract

ORIGINAL

Order Number 2857774Halliburton Energy Services, Inc.
Houston, Texas 77056

70012 SAP

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BEEOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. 4	Farm or Lease MARY JONES (WIW)	County HASKELL	State Ks	Well Permit Number
Customer CIMAREX ENERGY	Well Owner CIMAREX ENERGY	303297	Job Purpose Cement Production Casing	

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account. Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorneys fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. RELEASE AND INDEMNITY - Customer agrees to **RELEASE** Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to **DEFEND, INDEMNIFY, AND HOLD** Halliburton Group **HARMLESS** from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from:

loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its officers, directors, employees, consultants and agents. Customer's **RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS** obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insureds on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, **HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP.** Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 4100 Clinton Drive, Houston, TX. 77020.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED:



CUSTOMER Authorized Signatory

DATE:

01/07/04

TIME:

Customer Acceptance of Materials and Services

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER 2857774



CUSTOMER Authorized Signatory

RECEIVED
FEB 12 2004
KCC WICHITA

HALLIBURTON

SALES ORIGINAL FILE
Health, Safety & Environment

CEMENTING SERVICE AND SALES QUOTE: 21100370 ORDER: 2857774 KB: NA

COMPANY CIMAREX ENERGY	303297	FACILITY LIBERAL	AFE/WORK ORDER	DATE January 6, 2004
CONTRACTOR CHEYENNE #1	Owner SAME	5004377	LEGAL DESCRIPTION 3 - 27S - 34W	API
LEASE MARY JONES (WIW)	WELL # 4	COUNTY HASKELL	STATE Ks	MILEAGE-RT 120/60

SUBLETTE, KS. - 14 NORTH TO HITCHFEEDER ROAD - 9 WEST - 1 1/2 NORTH TO CIMAREX YARD - 1/2 NORTH THRU 2ND CG - 1/2 WEST - 1/2 NORTH - 1/2 EAST - FOLLOW MAIN RD NORTHEAST TO LOCATION

Pumping Services	<input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input checked="" type="checkbox"/> Long String <input type="checkbox"/> Plug Back <input type="checkbox"/> Liner <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other () H2S										
	Casing Size	Casing Weight	Thread	Tbng/DP Size	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess	
	5 1/2"	14#	8RD			YES	YES	LD		30%	
	Number and Type Units RCM AND BULK							BHST	BHCT	Hole Size 7 7/8"	
	Remarks T O C @ 4350 FT							Depth-TMD 5350 FT	Depth-TVD	Mud Weight/Type 9.1#	

Cementing Materials	# of Sacks	Type	Additives			
	1ST 210	50/50 POZ H	2% TOTAL GEL - 4% CALSEAL - 1/8# FLOCELE - 10% SALT - .6% HALAD-322 - .25% D-AIR-3000			
	Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk			
	14.3	1.36	6.07			
	# of Sacks	Type	Additives			
	Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk			
	# of Sacks	Type	Additives			
	Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk			
	Spacer or Flush	Quantity	Type	Additives		
	500 GAL	MUDFLUSH	5 GALLONS MORFLO AND 10 LBS MF-1			
Spacer or Flush	Quantity	Type	Additives			
500 GAL	10% MSA ACID	FIRST 12 BBLs DISPLACEMENT				
Other	Quantity	Type	Additives			

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"ELIMINATE UNPLANNED EVENTS"
WEAR ALL PPE EQUIPMENT ON LOCATION AT ALL TIMES - THINK SAFETY FIRST - THANK YOU FOR YOUR EFFORTS

Sales Items	Casing Size	Casing Weight	Thread	
	5 1/2"	14#	8RD	
	Guide Shoe	Float Shoe	Float Collar	Inert Float Valve
	IFS SHOE W/FILLUP			
	Centralizers - Number	Size	Type	
	12 EACH	5 1/2" X 7/8"	S-4	
Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set	
Limit Clamps	Weld-A	Other		
1 EACH	1 EACH			
Remarks DON BLACK 1-918-295-1617				

Customer Rep. MONTY DEAN	Cell Phone 1-918-629-3302	Office Phone	Fax	Time of Call 1500 1/6/04
Call Taken By LARRY / DON	Date Ready 1/7/04	Time Ready W/C		
Operator or Driver Called				Time

DRILLER'S LOG

ORIGINAL

CIMAREX ENERGY COMPANY
MARY JONES #4 WIW
SECTION 3-T27S-R34W
HASKELL COUNTY, KANSAS

COMMENCED: 12-29-03
COMPLETED: 01-07-04

SURFACE CASING: 1928' OF 8 5/8" CMTD
W/640 SKS A SERV LITE + 2% CC + 1/4#/SK
CELLOFLAKE.. TAILED W/150 SKS CLASS A
+ 2% CC + 1/4#/SK CELLOFLAKE.

FORMATION	DEPTH
SURFACE HOLE	0 - 1934
STONE CORRAL	1934 - 2245
SHALE & LIMESTONE	2245 - 2551
COUNCIL GROVE	2551 - 3634
KANSAS CITY	3634 - 4472
LIMESTONE	4472 - 4635
LIMESTONE & SHALE	4635 - 4800
ATOKA	4800 - 4950
MORROW	4950 - 5343 RTD

RECEIVED
FEB 12 2004
KCC WICHITA

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 9TH DAY OF JANUARY, 2004.

JOLENE K. RUSSELL

NOTARY PUBLIC

