**OIL & GAS PROPERTIES** 

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2008

Mabel Bennett

Re: Oil and Gas Lease

SE/4 of Section 21

Township 15 South, Range 36 East

Lea County, New Mexico

Dear Ms. Bennett,

According to our title research you own an undivided 1/128, or 1.25 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease

are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal Wolfcamp test located in the NW/4 SE/4 of Section 21, Township 15 South, Range 36 East, Lea

County, New Mexico.

Enclosed is a detailed AFE reflecting estimated well costs.

If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

Marcon X, Cond was

## **OIL & GAS PROPERTIES**

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2008

The Blanco Co. P.O. Box 1310 Ruidoso, NM 88355

Re:

Oil and Gas Lease SE/4 of Section 21

Township 15 South, Range 36 East

Lea County, New Mexico

Dear Sir or Madam,

According to our title research you own an undivided 1/64, or 2.5 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal Wolfcamp test located in the NW/4 SE/4 of Section 21, Township 15 South, Range 36 East, Lea County, New Mexico.

Enclosed is a detailed AFE reflecting estimated well costs.

If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

#### **OIL & GAS PROPERTIES**

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2008

Frankie Caudill

Re:

Oil and Gas Lease SE/4 of Section 21

Township 15 South, Range 36 East

Lea County, New Mexico

Dear Ms. Caudill,

According to our title research you own an undivided 3/64, or 7.5 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal Wolfcamp test located in the NW/4 SE/4 of Section 21, Township 15 South, Range 36 East, Lea County, New Mexico.

Enclosed is a detailed AFE reflecting estimated well costs.

If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

## **OIL & GAS PROPERTIES**

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2008

**Bruce Crockett** 

Re:

Oil and Gas Lease N/2 of Section 21

Township 15 South, Range 36 East

Lea County, New Mexico

Dear Mr. Crockett

According to our title research you own an undivided 1/256, or 1.25 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal test located in the SW/4 NE/4 of Section 21, Township 15 South, Range 36 East, Lea County, New Mexico.

Enclosed is a detailed AFE reflecting estimated well costs.

If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

## **OIL & GAS PROPERTIES**

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2008

Ruth Tandy Hoover 48 Main Street Gorham, ME 04038

Re:

Oil and Gas Lease N/2 of Section 21

Township 15 South, Range 36 East

Lea County, New Mexico

Dear Ms. Hoover,

According to our title research you own an undivided 1/144, or 2.2222 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal Wolfcamp test located in the SW/4 NE/4 of Section 21, Township 15 South, Range 36 East, Lea County, New Mexico.

Enclosed is a detailed AFE reflecting estimated well costs.

If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

#### **OIL & GAS PROPERTIES**

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2007

Chris Johnson

Re:

Oil and Gas Lease N/2 of Section 21

Township 15 South, Range 36 East

Lea County, New Mexico

Dear Mr. Johnson,

According to our title research you own an undivided 1/216, or 1.48148 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal test located in the SW/4 NE/4 of Section 21, Township 15 South, Range 36 East, Lea County, New Mexico.

Enclosed is a detailed AFE reflecting estimated well costs.

If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

#### **OIL & GAS PROPERTIES**

310 W. Wall St. Ste. 305

MIDLAND, TX 79701 (432) 685-1404

March 7, 2008

Nugent Family Operating Company, L.P. 660 Preston Forest Center, Ste. 520 Dallas, TX 75230

Re:

Well Proposal

SW/4NE/4 & NW/4SE/4 of Section 21 Township 15 South, Range 36 East

Lea County, New Mexico

Dear Mr. Nugent,

According to our title research, the Nugent Family Operating Company, L.P. owns an undivided 1/64 interest in the SW/4NE/4 of Section 21, T15S-R36E, N.M.P.M. Enclosed is an AFE and a plat of the proposed proration unit for the Caudill South 21 Fee # 3. If you choose to participate in the drilling of the well, your dry hole costs will be \$19,421.88 and your after casing point costs will be \$7,972.66, bringing your total cost of drilling and completing the well to \$27,394.54. If you wish to participate, please sign and return the enclosed AFE to the above address.

We have also enclosed an Oil and Gas Lease for your review if you choose not to participate and want to lease your interest. If you choose to lease your interest, the terms of this lease are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty.

If you choose to lease your interest, please sign the lease in the presence of a Notary Public and thereafter return the lease along with the completed W-9 form to the above address. Upon receipt, we will process the lease and mail you a check in the amount of \$93.75 within thirty (30) days.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

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Tim Lilley

1/4 (/2

## **OIL & GAS PROPERTIES**

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2008

Randall Pettigrew 14125 Desert Willow El Paso, TX 79938

Re:

Oil and Gas Lease

N/2 NW/4 & NE/4 of Section 21 Township 15 South, Range 36 East

Lea County, New Mexico

Dear Mr. Pettigrew,

According to our title research you own an undivided 1/1600, or .2 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease are a \$150.00 flat rate bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal Wolfcamp test located in the SW/4 NE/4 of Section 21, Township 15 South, Range 36 East, Lea County, New Mexico.

Enclosed is a detailed AFE reflecting estimated well costs.

If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

#### **OIL & GAS PROPERTIES**

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2008

Margaret Tandy Rice 450 Gladycon Rd., #57 Colfax, CA 95713

Re:

Oil and Gas Lease N/2 of Section 21

Township 15 South, Range 36 East

Lea County, New Mexico

Dear Ms. Rice,

According to our title research you own an undivided 1/144, or 2.2222 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal Wolfcamp test located in the SW/4 NE/4 of Section 21, Township 15 South, Range 36 East, Lea County, New Mexico.

Enclosed is a detailed AFE reflecting estimated well costs.

If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

**SHAW INTERESTS** 

Shaw Interests, Inc. OIL & GAS PROPERTIES

310 W. Wall St. Ste. 305

MIDLAND, TX 79701

(432) 685-1404

March 6, 2007

Fred T. Schooler

Re:

Oil and Gas Lease N/2 of Section 21

Township 15 South, Range 36 East

Lea County, New Mexico

Dear Mr. Schooler,

According to our title research you own an undivided 1/144, or 2.2222 net mineral acres under the above described lands. Enclosed is an Oil and Gas Lease for your review. The terms of this lease are a \$150.00 an acre bonus consideration, a three (3) year primary term and a one-fifth (1/5) royalty. Please be advised that our client, Cimarex Energy Co., proposes to drill a horizontal test located in the SW/4 NE/4 of Section 21, Township 15 South, Range 36 East, Lea County, New Mexico.

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If you wish to participate and pay your proportionate share of well costs, please execute the AFE and return to the undersigned as soon as possible. Otherwise, in lieu of being subject to a compulsory pooling, you have the option to lease your minerals at the terms proposed above.

Please do not hesitate to contact us with any questions. We look forward to your response.

Sincerely,

SHAW INTERESTS

COMPANY ENTI Cimarex Er								DATE PRE	PARED		07
REGION	WELL NAME	WELL NO	PROSE	ECT OR FIELD	NAME	PROPER	TY NUMBER	(	2570		
Permian	Caudill South 21 Fee	3 <b>H</b>	Star-Denton								
LOCATION	SHL 2000' FSL & 2200' FE	EL		COUNTY		STATE		TYPE WELL			
BHL 1700' FNL & 2200' FEL							OIL.	Х	EXPL	х	
Sec 21, T15	S, R36E			Le	ea .	New	Mexico	GAS		PROD	
ORIGINAL ESTIMATE X			EST. STA	EST, START DATE		EST. COMP. DATE		FORMATION		EST. TD	
REVISED ESTIMATE								109	900	TVD	
SUPPLEMENTA	LESTIMATE						Wolfe	amp	12,3	360.	MD

#### PROJECT DESCRIPTION:

Drill and complete a horizontal wolfcamp well.

INTANGIBLES	DRY HOLE COST	AFTER CASING POINT	COMPLETED WELL COST
Intangible Drilling Costs	\$2,201,000		\$2,201,000
Intangible Completion Costs		586,000	586,000
TOTAL INTANGIBLE COSTS	2,201,000	586,000	2,787,000
TANGIBLES			
Well Equipment	135,000	500,500	635,500
Lease Equipment		84,000	84,000
TOTAL TANGIBLE WELL COST	135,000	584,500	719,500
PLUG AND ABANDON COST	150,000	(150,000)	
TOTAL WELL COST:	\$2,486,000	\$1,020,500	\$3,506,500

#### Comments on Well Costs:

1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

#### WELL CONTROL INSURANCE:

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

Well control insurance procured by Operator,	provides, among other terms,	for \$20,000,000 (100% W.I.)	of Combined Single Li
annual formal sentent and related radiilling t	and alone unincilution avange	a covering drilling (through com	nlation) with a \$1 000 (

I elect to purchase my own well control insurance policy.

mit (100% W.I.) deductible.

#### Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

		201.13
	CIMAREX ENERGY CO. APPROVAL	
PREPARED BY	DRILLING AND COMPLETION MANAGER	REGIONAL MANAGER
		Roger Alexander, Regional Manager Permian Basin

JOINT INTEREST APPROVAL						
COMPANY	BY	DATE				





#### PROJECT COST ESTIMATE

LEASE NAME: Caudill South 21 Fee

WELL NO.: 3H

ALTANCIDI CO								
					DRY HOLE		AFTER CASING	
NTANGIBLES OADS & LOCATION PREPARATION / RESTORATION				Codes	COST	Codes	POINT \$2,000	WELL COST
MAGES				DIDC:100 DIDC:105	\$100,000 \$60,000	DICC.100	\$2,000	\$102,000 \$60,000
NUD/FLUIDS DISPOSAL CHARGES				DIDC.255	\$20,000	DICC.235	\$5,000	\$25,000
DAY RATE 42 DH DAYS 4 ACP D	AYS @		PER DAY	DIDC,115	\$669,000	DICC.120	\$62,000	\$731,000
MISC PREPARATION COST (mouse hole, rat hole, pads, pil				DIDC.120	\$8,000			\$8,000
BITS	······································	· · · · · · · · · · · · · · · · · · ·		DIDG.125	\$80,000	DICC.125	\$1,000	\$81,000
UEL \$2.70 PER GALLON				DIDC.135	\$91,000	DICC.130	\$1,000	\$92,000
NATER / COMPLETION FLUIDS				DIDC,140	\$29,400	DICC.135	\$15,000	\$44,400
AUD & ADDITIVES				DIDC.145	\$58,800			\$58,800
SURFACE RENTALS				DIDC.150	\$74,000	DICC.140	\$30,000	\$104,000
DOWNHOLÉ RENTALS				DIDC.155	\$96,000	DICC.145	\$20,000	\$116,000
ORMATION EVALUATION (DST, Coring including evaluation	on, G&G SE	RVICES)		DIDC.160				
MUD LOGGING 30 DAYS @ \$900	PER DAY			DIDC.170	\$34,000	4444		\$34,000
OPEN HOLE LOGGING				DIDC.180	\$75,000			\$75,000
CEMENTING & FLOAT EQUIPMENT				DIDC.185	\$70,000	DICC.155	\$30,000	\$100,000
TUBULAR INSPECTIONS				DIDC,190	\$3,000	DICC.160	\$2,000	\$5,000
CASING CREWS				DIDC.195	\$19,000	DICC.165	\$18,000	.\$37,000
EXTRA LABOR, WELDING, ETC.				DIDC.200	\$25,200	DICC.170	\$5,000	\$30,200
AND TRANSPORTATION (Trucking)				DIDC.205	\$12,600	DICC.175	\$4,000	\$16,600
SUPERVISION				DIDC.210	\$59,000	DICC,180	\$14,400	\$73,400
TRAILER HOUSE/CAMP/CATERING				DIDC.280	\$21,000	DICC.255	\$3,000	\$24,000
OTHER MISC EXPENSES				DIDC.220	\$5,000	DICC.190	\$5,000	\$10,000
OVERHEAD				DIDC.225	\$13,000	DICC.195	\$2,400	\$15,400
REMEDIAL CEMENTING				DIDC.231		DICC.215	mmmm	
MOB/DEMOB				DIDC.240	\$120,000	94444	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	\$120,000
	DAYS @	12300	PER DAY	DIDC.245	\$148,000			\$148,000
DOCK, DISPATCHER, CRANE				DIDC.250	ļ	DICC,230		·····
MARINE & AIR TRANSPORTATION				DIDC.275	407.000	DICC.250	ammmn	407.00
SOLIDS CONTROL				DIDC.260	\$97,000			\$97,000
WELL CONTROL EQUIP (Snubbing services)				DIDC.265	\$41,000 \$60,000	DICC 240	\$21,000	\$62,000 \$60,000
FISHING & SIDETRACK OPERATIONS  COMPLETION RIG 8 DAYS @	4400	PER DAY		DIDC.270	777777777777777777777777777777777777777	DICC.245 DICC.115	\$35,200	\$35,200
	38000	PER DAY				DICC.260	\$33,200	\$38,000
COIL TUBING 1 DAYS @ COMPLETION LOGGING, PERFORATING, WL.UNITS, WL		PERUAT				DICC.200	\$6,000	36,000
STIMULATION	LOUNVEIS					DICC.210	\$200,000	\$200,000
LEGAL/REGULATORY/CURATIVE				DIDC.300	\$3,000	DICC.280	\$200,000	\$3,000
WELL CONTROL INSURANCE \$0.35 PER F	COOT	<del></del>		DIDC.285	\$4,000	7777777		\$4,000
CONTINGENCY 5% OF DRILLING IN		<u></u>		DIDC.435	\$105,000	DICC.220	\$26,000	\$131,000
CONSTRUCTION FOR WELL EQUIPMENT	TIMIOIDEE	<del></del>		7777777		DWEA.110	\$1,000	\$1,000
CONSTRUCTION FOR LEASE EQUIPMENT						DLEQ.110	\$39,000	\$39,000
CONSTRUCTION FOR SALES PAL						DICC.265		
				1222				
TOTAL INTANGIBLE COST	Carlot of proper	CO. 1 . 4		* 5.57	\$2,201,000	and the second	\$586,000	\$2,787,000
TANGIBLE - WELL EQUIPMENT							1	
				1			i	
CASING	SIZE	FEET	\$/FOOT					
	SIZE 20°	FEET 40	\$/FOOT 100.00	DWEB.150	4,000			\$4,000
CASING	+		<del> </del>	DWEB.150 DWEB.130	<del></del>			\$4,000
CASING DRIVE PIPE	+		<del> </del>	<del> </del>				\$4,000
CASING DRIVE PIPE CONDUCTOR PIPE	+		<del> </del>	DWEB. 130				
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING	20^	40	100.00	DWEB.130 DWEB.135	26,000			\$26,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING	20*	40 600	100.00	DWEB.130 DWEB.135 DWEB.140	26,000 90,000			\$26,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING	20° 13-3/8° 8-5/8°	40 600	100.00	DWEB.130 DWEB.135 DWEB.140 DWEB.145	26,000 90,000			\$26,000 \$90,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER	20° 13-3/8° 8-5/8°	40 600	100.00	DWEB. 130 DWEB. 135 DWEB. 140 DWEB. 145	26,000 90,000	DWEA, 100	<del></del>	\$26,000 \$90,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB. 130 DWEB. 135 DWEB. 140 DWEB. 145	26,000 90,000	DWEA.100		\$26,000 \$90,000 \$174,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER PRODUCTION CASING OR LINER	20° 13-3/8" 8-5/8" 7"	600 4,500	100.00 44.00 20.00	DWEB. 130 DWEB. 135 DWEB. 140 DWEB. 145	26,000 90,000	DWEA.100	81,000	\$26,000 \$90,000 \$174,000 \$81,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER PRODUCTION CASING OR LINER PRODUCTION TIE-BACK TUBING N/C WELL EQUIPMENT	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 135 DWEB 140 DWEB 145 DWEB 145	26,000 90,000	DWEA.100 DWEA.100 DWEA.111	81,000 5 81,000 6 \$9,000	\$26,000 \$90,000 \$174,000 \$81,000 \$9,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER PRODUCTION CASING OR LINER PRODUCTION TIE-BACK TUBING INC WELL EQUIPMENT WELLHEAD, TREE, CHOKES	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.110 DWEA.111 DWEA.120	\$1,000 \$ \$9,000 \$ \$32,000	\$26,000 \$90,000 \$174,000 \$81,000 \$9,000 \$47,000
CASING  DRIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  INTERMEDIATE CASING  DRILLING LINER  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  N°C WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 135 DWEB 140 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.110 DWEA.111 DWEA.120 DWEA.120	\$ 81,000 \$ \$9,000 \$ \$32,000 \$ \$82,000	\$26,000 \$90,000 \$174,00 \$81,00 \$9,00
CASING  DRIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  INTERMEDIATE CASING  DRILLING LINER  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  N/C WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER  PACKER, NIPPLES	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.115 DWEA.125 DWEA.125 DWEA.125	\$ 81,000 \$ \$9,000 \$ \$32,000 \$ \$82,000	\$26,000 \$90,000 \$174,000 \$81,000 \$9,000 \$47,000 \$82,000
CASING  DRIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  INTERMEDIATE CASING  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  N/C WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER  PACKER, NIPPLES  PUMPING UNIT, ENGINE	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.110 DWEA.120 DWEA.120 DWEA.130 DUEA.130	\$ 81,000 \$ \$9,000 \$ \$32,000 \$ \$82,000 \$ \$82,000	\$26,000 \$90,000 \$174,00 \$81,00 \$9,00 \$47,00 \$82,00
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER PRODUCTION CASING OR LINER PRODUCTION TIE-BACK TUBING N/C WELL EQUIPMENT WELLHEAD, TREE, CHOKES LINER HANGER, ISOLATION PACKER PACKER, NIPPLES PUMPING UNIT, ENGINE LIFT EQUIPMENT (BHP, Rods, Anchors)	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.115 DWEA.125 DWEA.125 DWEA.125	\$ 81,000 \$ \$9,000 \$ \$32,000 \$ \$82,000 \$ \$82,000	\$26,000 \$90,000 \$174,000 \$81,000 \$9,000
CASING  DRIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  INTERMEDIATE CASING  DRILLING LINER  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  NIC WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER  PACKER, NIPPLES  PUMPING UNIT, ENGINE  LIFT EQUIPMENT (BHP, ROSS, Anchors)  TANGIBLE - LEASE EQUIPMENT	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.103 DWEA.115 DWEA.115 DWEA.125 DWEA.125 DWEA.130 DLEQ.100	\$1,000 \$9,000 \$32,000 \$82,000 \$\$82,000 \$98,000 \$24,500	\$26,000 \$90,000 \$174,000 \$81,000 \$9,000 \$47,000 \$82,000 \$98,000 \$24,50
CASING  RIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  INTERMEDIATE CASING  DRILLING LINER  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  INC WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER  PACKER, NIPPLES  PUMPING UNIT, ENGINE  LIFT EQUIPMENT (BHP, Rods, Anchors)  TANGIBLE - LEASE EQUIPMENT  INC LEASE EQUIPMENT	20° 13-3/8° 8-5/8" 7" 5 1/2"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.103 DWEA.103 DWEA.113 DWEA.123 DWEA.123 DWEA.133 DLEQ.100 DLEQ.105	\$1,000 \$9,000 \$32,000 \$82,000 \$24,500 \$44,000	\$26,000 \$90,000 \$174,00 \$81,00 \$9,00 \$47,00 \$82,00 \$98,00 \$24,50
CASING  DRIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  DRILLING LINER  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  N/C WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER  PACKER, NIPPLES  PUMPING UNIT, ENGINE  LIFT EQUIPMENT (BHP, Rods, Anchors)  TANGIBLE - LEASE EQUIPMENT  N/C LEASE EQUIPMENT  N/C LEASE EQUIPMENT	20° 13-3/8° 8-5/8° 7° 5 1/2° 2 7/8°	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA 100 DWEA 101 DWEA 121 DWEA 122 DWEA 130 DUEA 130	\$1,000 \$3,000 \$32,000 \$82,000 \$92,000 \$24,500 \$44,000 \$21,000	\$26,000 \$90,000 \$174,000 \$81,000 \$47,000 \$82,000 \$24,500 \$24,500
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SUFFACE CASING INTERMEDIATE CASING DRILLING LINER PRODUCTION TIE-BACK TUBING NC WELL EQUIPMENT WELLHEAD, TREE, CHOKES LINER HANGER, ISOLATION PACKER PACKER, NIPPLES PUMPING UNIT, ENGINE LIFT EQUIPMENT (BHP, ROSS, Anchors) TANGBIBLE - LEASE EQUIPMENT NC LEASE EQUIPMENT TANKS, TANKS STEPS, STAIRS BATTERY (Heater Treator, Separator, Gas Treating Equipm	20° 13-3/8° 8-5/8° 7° 5 1/2° 2 7/8°	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.111 DWEA.121 DWEA.122 DWEA.122 DWEA.122 DWEA.123 DEG.100 DEG.100 DEG.115 DEG.116 DEG.120	\$1,000 \$9,000 \$32,000 \$82,000 \$98,000 \$24,500 \$44,000 \$21,000 \$18,000	\$26,000 \$90,000 \$174,000 \$81,000 \$47,000 \$82,000 \$24,500 \$44,000 \$21,500 \$21,500 \$18,000
CASING  DRIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  INTERMEDIATE CASING  DRILLING LINER  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  N/C WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER  PACKER, NIPPLES  PUMPING UNIT, ENGINE  LIFT EQUIPMENT (BHP, Rods, Anchors)  TANGIBLE - LEASE EQUIPMENT  N/C LEASE EQUIPMENT  N/C LEASE EQUIPMENT  TANKS, TANKS STEPS, STAIRS  BATTERY (Heater Treator, Separator, Gas Treating Equipn  FLOW LINES (Line Pipe from wellhead to central facility)	20° 13-3/8" 8-5/8" 7" 5 1/2" 2 7/8"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.111 DWEA.121 DWEA.122 DWEA.130 DLEQ.100 DLEQ.100 DLEQ.100 DLEQ.100 DLEQ.120 DLEQ.120 DLEQ.120 DLEQ.120	\$1,000 \$9,000 \$32,000 \$82,000 \$98,000 \$24,500 \$44,000 \$21,000 \$18,000	\$26,000 \$90,000 \$174,00 \$81,00 \$9,00 \$47,00 \$82,00 \$24,50 \$44,00 \$24,50 \$18,00
CASING  DRIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  INTERMEDIATE CASING  DRILLING LINER  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  NIC WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER  PACKER, NIPPLES  PUMPING UNIT, ENGINE  LIFT EQUIPMENT (BHP, Rods, Anchors)  TANGIBLE - LEASE EQUIPMENT  NIC LEASE EQUIPMENT  TANKS, TANKS STEPS, STAIRS  BATTERY (Heater Treater, Separator, Gas Treating Equipm  FLOW LINES (Line Pipe from wellhead to central facility)  OFFSHORE PRODUCTION STRUCTURE FOR FACILITIES	20° 13-3/8" 8-5/8" 7" 5 1/2" 2 7/8"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.121 DWEA.122 DWEA.122 DWEA.133 DLEQ.100 DLEQ.105 DLEQ.105 DLEQ.120 DLEQ.120 DLEQ.120 DLEQ.130 DUEA.131	\$1,000 \$32,000 \$32,000 \$82,000 \$98,000 \$24,500 \$44,000 \$21,000 \$13,000	\$26,00 \$90,00 \$174,00 \$81,00 \$9,00 \$47,00 \$24,50 \$24,50 \$21,00 \$18,00
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SUFFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER PRODUCTION TIE-BACK TUBING N/C WELL EQUIPMENT WELLHEAD, TREE, CHOKES LINER HANGER, ISOLATION PACKER PACKER, NIPPLES PUMPING UNIT, ENGINE LIFT EQUIPMENT N/C LEASE EQUIPMENT N/C LEASE EQUIPMENT N/C LEASE EQUIPMENT N/C LEASE EQUIPMENT TANKS, TANKS, STEPS, STAIRS BATTERY (Heater Treator, Separator, Gas Treating Equipn FLOW LINES (Line Pipe from wellhead to central facility)	20° 13-3/8" 8-5/8" 7" 5 1/2" 2 7/8"	600 4,500 9,800	100.00 44.00 20.00	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.111 DWEA.121 DWEA.122 DWEA.130 DLEQ.100 DLEQ.100 DLEQ.100 DLEQ.100 DLEQ.120 DLEQ.120 DLEQ.120 DLEQ.120	\$1,000 \$32,000 \$32,000 \$82,000 \$98,000 \$24,500 \$44,000 \$21,000 \$13,000	\$26,000 \$90,000 \$174,00 \$81,00 \$9,00 \$47,00 \$82,00 \$24,50 \$44,00 \$24,50 \$18,00
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER PRODUCTION TIE-BACK TUBING N/C WELL EQUIPMENT WELLHEAD, TREE, CHOKES LINER HANGER, ISOLATION PACKER PACKER, NIPPLES PUMPING UNIT, ENGINE LIFT EQUIPMENT (BHP, Rods, Anchors) TANGBIBLE - LEASE EQUIPMENT TANKS, TANKS STEPS, STAIRS BATTERY (Heater Treator, Separator, Gas Treating Equipm FLOW LINES (Line Pipe from wellhead to central facility) OFFSHORE PRODUCTION STRUCTURE FOR FACILITIES PIPELINES TO SALES	20°  13-3/8° 8-5/8° 7° 5 1/2° 2 7/8°	9,800 12,400	100.00 44.00 20.00 17.80	DWEB 130  OWEB 140  OWEB 145  OWEB 145  OWEB 145  OWEB 145  OWEB 155	26,000 90,000 15,000	DWEA.100 DWEA.101 DWEA.121 DWEA.122 DWEA.122 DWEA.122 DWEA.123 DLEQ.100 DWEA.131	\$1,000 \$1,000 \$32,000 \$22,000 \$24,500 \$44,000 \$21,000 \$13,000	\$26,000 \$90,000 \$174,000 \$81,000 \$47,000 \$82,00 \$98,00 \$24,50 \$24,50 \$18,000 \$18,000 \$1,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER PRODUCTION TIE-BACK TUBING N°C WELL EQUIPMENT WELLHEAD, TREE, CHOKES LINER HANGER, ISOLATION PACKER PACKER, NIPPLES PUMPING UNIT, ENGINE LET EQUIPMENT (BHP, Rods, Anchors) TANGIBLE - LEASE EQUIPMENT N°C LEASE EQUIPMENT TANKS, TANKS STEPS, STARS BATTERY (Heater Treator, Separator, Gas Treating Equipm FLOW LINES (Line Pipe from wellhead to central facility) OFFSHORE PRODUCTION STRUCTURE FOR FACILITIES	20°  13-3/8° 8-5/8° 7° 5 1/2° 2 7/8°	9,800 12,400	100.00 44.00 20.00 17.80	DWEB 130 DWEB 140 DWEB 140 DWEB 145 DWEB 145 DWEB 145	26,000 90,000 15,000	DWEA.100 DWEA.101 DWEA.121 DWEA.122 DWEA.122 DWEA.122 DWEA.123 DLEQ.100 DWEA.131	\$1,000 \$32,000 \$32,000 \$24,500 \$44,000 \$21,000 \$13,000	\$26,000 \$90,000 \$174,000 \$81,000 \$47,000 \$82,000 \$24,500 \$44,000 \$18,000 \$11,000
CASING DRIVE PIPE CONDUCTOR PIPE WATER STRING SURFACE CASING INTERMEDIATE CASING DRILLING LINER DRILLING LINER PRODUCTION TIE-BACK TUBING NC WELL EQUIPMENT WELLHEAD, TREE, CHOKES LINER HANGER, ISOLATION PACKER PACKER, NIPPLES PUMPING UNIT, ENGINE LIFT EQUIPMENT (BHP, Rods, Anchors) TANGIBLE - LEASE EQUIPMENT TANKS, TANKS STEPS, STAIRS BATTERY (Heater Treator, Separator, Gas Treating Equipm FLOW LINES (Line Pipe from wellhead to central facility) OFFSHORE PRODUCTION STRUCTURE FOR FACILITIES PIPELINES TO SALES	20°  13-3/8° 8-5/8° 7° 5 1/2° 2 7/8°	9,800 12,400	100.00 44.00 20.00 17.80	DWEB 130 DWEB 140 DWEB 145 DWEB 145 DWEB 145 DWEB 145 DWEB 145 DWEB 151	26,000 90,000 15,000	DWEA.100 DWEA.111 DWEA.121 DWEA.122 DWEA.122 DWEA.123 DWEA.123 DWEA.123 DWEA.123 DWEA.123 DWEA.133 DWEA.133 DWEA.134 DWEA.134 DWEA.134 DWEA.134 DWEA.134	\$1,000 \$9,000 \$32,000 \$82,000 \$98,000 \$24,500 \$44,000 \$21,000 \$18,000	\$26,000 \$90,000 \$174,000 \$81,000 \$47,000 \$24,000 \$24,500 \$21,000 \$11,000
CASING  DRIVE PIPE  CONDUCTOR PIPE  WATER STRING  SURFACE CASING  INTERMEDIATE CASING  DRILLING LINER  PRODUCTION CASING OR LINER  PRODUCTION TIE-BACK  TUBING  INC WELL EQUIPMENT  WELLHEAD, TREE, CHOKES  LINER HANGER, ISOLATION PACKER  PACKER, NIPPLES  PUMPING UNIT, ENGINE  LIFT EQUIPMENT (BHP, Rods, Anchors)  TANGBILE - LEASE EQUIPMENT  TANKS, TANKS STEPS, STAIRS  BATTERY (Heater Treater, Separator, Gas Treating Equipm  FLOW LINES (Line Pipe from wellhead to central facility)  OFFSHORE PRODUCTION STRUCTURE FOR FACILITIES  PIPELINES TO SALES	20°  13-3/8° 8-5/8° 7° 5 1/2° 2 7/8°	9,800 12,400	100.00 44.00 20.00 17.80	DWEB 130  OWEB 140  OWEB 145  OWEB 145  OWEB 145  OWEB 145  OWEB 155	26,000 90,000 15,000	DWEA.100 DWEA.111 DWEA.121 DWEA.122 DWEA.122 DWEA.123 DWEA.123 DWEA.123 DWEA.123 DWEA.123 DWEA.133 DWEA.133 DWEA.134 DWEA.134 DWEA.134 DWEA.134 DWEA.134	\$1,000 \$9,000 \$32,000 \$82,000 \$98,000 \$24,500 \$44,000 \$21,000 \$18,000	\$26,000 \$90,000 \$174,000 \$81,000 \$47,000 \$47,000 \$24,500 \$24,500 \$11,000 \$11,000

#### **DRILLING PROGNOSIS**



Well:

Caudill South 21 Fee #3H

Location:

Sec 21, T15S-R36E

County, State

Lea. NM

Wellhead:

Xmas Tree

Tubing:

Surface Location: 2000' FSL & 2200' FEL

Bottomhole Loc: 1700' FNL & 2200' FEL

TVD/MD: Cementing:

Mud:

Co. Well ID:

Lse Serial #:

Objective:

AFE No.:

API No.:

Field:

Motors:

Black Viper - Randall Taylor - 432-561-8801 OH Logs No E-Logs; MWD-GR thru lateral

MD Vert 10,900/MD Horizontal 12,410/TVD Horizontal 10,671

Star/ Denton

Wolfcamp

Rig:

Offset Wells:

Superintendent: Dee Smith Engineer: Mark Audas

Bit **Formation Tops** IADC Hole Size Other Logs Cement Mud Weight Lead: 200 sx Ught Premium plus w/ 0.125 lb/sk Poly-E-Flake 11% CaCi Tall: 200 sk Premium Plus + 13 2% CaCi TOC @ surface 16" Conductor @ ±60' GL 8.8 ppg FW 17 1/2" 8.5 -13 3/8" 48 ppt, H40, STC @ 600 di: 702 sks Inteffiil C + .125 lb/sk Poly-E-Flake 2.46ff3/sk li: 200 sks Premium Plus + 1% Caci +:33 ft3/sk TOC @ surface Rustler @ 1997 11" 10 bbl FW spacer 10 ppg brine Yates @ 3080 Seven Rivers @ 3278 Queen @ 3916 Lead: San Andres @ 4387 Tail 8 5/8" 32 ppf, J/K55, LTC @ 4500" 7 7/2 Spacer: 10 ppg Super flush 101 12 bbts
Lead: 412 sk interfill H + additives 11.9 ppg 2.45 clisk
Tall: 253 sxSuper H + .5% Halad-344 + .4% CFR-3 + .1bm/sk salt + 5 lnsk
Glisonit + .125 lbtsk PolyEllake +.35% HR-7 sks 13.0 ppg 1.67 cffsk
TOC 4300 Tall @ 9000 Glorieta @ 6637' Blinebry @ 6867 Tubb @ 7456 Drinkard @ 7597 Abo @ 8513° MWD-GR thru lateral Wolfcamp @ 9681' 9-9.5 Brine 2%KCL in lateral Wolfcamp B @ 10030 Wolfcamp C @ 10409' W/S @ 10,443" +-TOWin @ 10,445'+-BOWIN @ 10,455' +-KOP @ 10,455'+ Volfcamp C Pay @ 10,665 CIBP @ 10,460'+-4-3/4" hole Run three (3) stage assmbly on 2 7/8", 6.50 ppf, N/L80 EUE 8rd tubing (1500' Vert sec) Wolfcamp F 10798 5 1/2" 17.0 ppf, P110, LTC @ 10,900'

b ooo

07-Jan-08

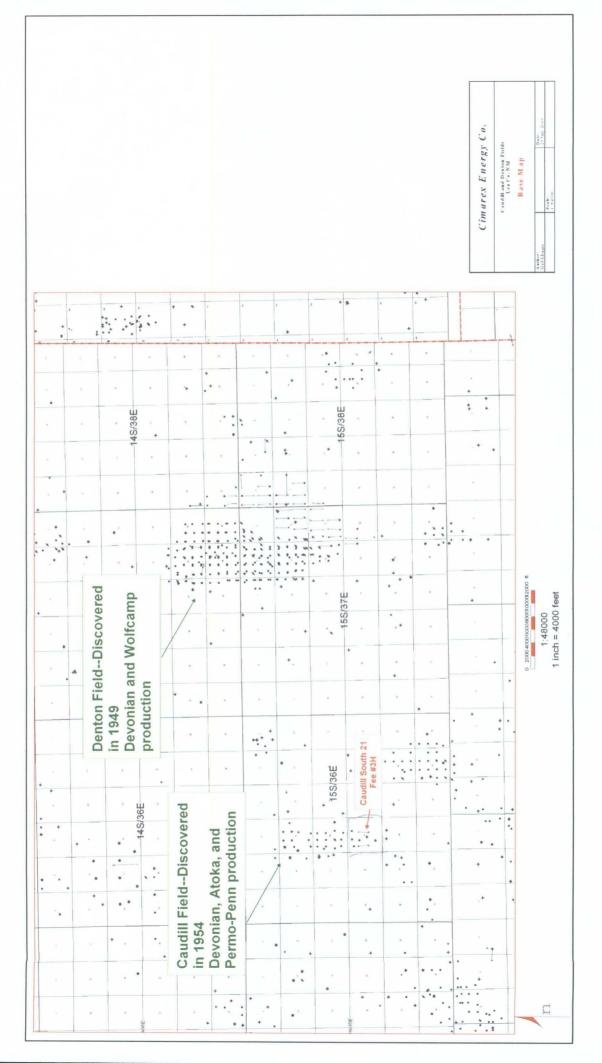
NOTES:

Install rattaing head on 13-3/8" Then after setting 8-5/8" in slips and installing the csg spool, NU BOP (5M) w/ rotating head and test BOP to 5M w/ test unit. Test casing.

Cement volumes for surface csg include a 100% excess in the open hole section. If drilling conditions deem necessary, fluid caliper hole and adjust volumes. Cement volumes for intermediate csg include a 70% excess in the open hole section. If drilling conditions deem necessary, fluid caliper hole and adjust

Cement volumes for production csg include a 25% excess in the open hole section. Adjust volumes after caliper + 25% excess.

ALL INVOICES ARE TO SHOW CIMAREX ENERGY AS OPERATOR AND USE CIMAREX ACCOUNTING CODES.



C058/153