



Cimarex Energy Co.

Well History

01/01/1900 - 12/31/2076

OPERATED

WARWINK NORTHWEST PROSPECT

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date:	04/14/2007	W.I. Pct BCP:	50.00 %
Formation:		W.I. Pct ACP:	50.00 %
Prop Depth:	15500	Sec/TS/Rng:	41

03/16/2008	Daily Cost:	\$0
PROD	Cumulative Costs:	\$7,639,037
AFE: 257078	Present Operation:	FINAL REPORT
DFS: 337		521 BO, 121 BW, 551 MCF, TP-200, CK-36/64. FINAL REPORT

03/15/2008	Daily Cost:	\$0
PROD	Cumulative Costs:	\$7,639,037
AFE: 257078	Present Operation:	
DFS: 336		446 BO, 117 BW, 553 MCF, TP-220, CK-36/64

03/14/2008	Daily Cost:	\$0
PROD	Cumulative Costs:	\$7,639,037
AFE: 257078	Present Operation:	
DFS: 335		512 BO, 118 BW, 551 MCF, TP-200, CK-36/64

03/13/2008	Daily Cost:	\$0
PROD	Cumulative Costs:	\$7,639,037
AFE: 257078	Present Operation:	
DFS: 334		437 BO, 120 BW, 548 MCF, TP-200, CK-36/64

03/12/2008	Daily Cost:	\$0
PROD	Cumulative Costs:	\$7,639,037
AFE: 257078	Present Operation:	
DFS: 333		382 BO, 116 BW, 540 MCF, TP-200, CK-36/64

03/11/2008	Daily Cost:	\$6,195
COMP	Cumulative Costs:	\$7,639,037
AFE: 257078	Present Operation:	Flowing On Test
DFS: 332		Flowed 24 hrs on 34/64" Choke w/ 210# FTP. Recovered 456 oil, 120 Water. 516 MCF NU Flowline to Well Head Tree. RD Key Rig. Release Rig at 11:00 A.M. Final Report

03/10/2008	Daily Cost:	\$26,775
COMP	Cumulative Costs:	\$7,632,842
AFE: 257078	Present Operation:	Flowing on Test
DFS: 331		Flowed 24 hrs on 32/64" Choke w/ 340# FTP. Recovered 427 oil, 111 Water. 447 MCF

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

03/09/2008		Daily Cost:	\$0
COMP		Cumulative Costs:	\$7,606,067
AFE:	257078	Present Operation:	Flowing on Test
DFS:	330	Finish in Hole w/ 2 7/8" Tbg and O/O Tool. Space out and Latch up to Pkr. ND BOP and NU Tree, RU Arc Slick Line and Pull Equilizing Prong and "XN" Plug. RD ARC. Make two Swab runs w/ Fluid Level at 2000'. Well Kicked off and Unloaded all kill fluid in one hour. Turn well to Bttry and leave flowing on Test w/ watchman. Well has flowed 13 Hours. This A.M. flowing on 32/64" choke w/ FTP at 600#. Recovered 260 oil, 100 water, 220 MCF gas.	
03/08/2008		Daily Cost:	\$9,765
COMP		Cumulative Costs:	\$7,606,067
AFE:	257078	Present Operation:	Finish In Hole w/ 2 7/8' Tbg
DFS:	329	RU Howco E-Line. TIH w/ GR/JB to 11,150'. TIH w/ 5 1/2" AS A-1 Pkr, 6' 2 7/8" Tbg Sub and "XN" Nipple w/ 2.313" Plug in Place and set Pkr at 11,129' placing EOT at 11,135'. RD Howco E-Line and Bleed off psi. TIH and LD 6 - 3 1/2" DC's. TIH w/ O/O Overshot on 2 7/8" Tbg to 10,000'. Secure well and SDFN.	
03/07/2008		Daily Cost:	\$23,415
COMP		Cumulative Costs:	\$7,596,302
AFE:	257078	Present Operation:	RU Howco E-Line
DFS:	328	15 Hour SICP = 200# Turn well to on site Mud Gas Separator and open to full 3/4" choke. Pump 60 BBIs of produced water down tbg decreasing psi from 1250# to Vac. Psi on csg Increase from 70# to 650# then decrease slowly to 70# while Tripping out of hole w/ 2 7/8" Tbg. With 3 stands of tbg, Fishing tools and Fish in Hole. Soft Kill well w/ 40 BBIs of Produced water. Finish out of Hole w/ 2 7/8" Tbg, lay down accelerator, stand back DC's, Lay down Bumper Sub, Jars, and fish consisting of 3 jts of 2 7/8" AOH Drill pipe and 10' cut off piece. Close Blinds on Bottom BOP. RD Bob Cat snubbing Unit and Single BOP. RU Floor and Leave well Shut in for Psi Build Up. Secure well and SDFN	
03/06/2008		Daily Cost:	\$24,990
COMP		Cumulative Costs:	\$7,572,887
AFE:	257078	Present Operation:	TOH w/ 2 7/8" Tbg
DFS:	327	Flowed 24 hrs on 34/64" choke w/ FCP @ 70#. Recovered 424 oil, 110 water, 410 gas. Attempt to Lower Flowing csg psi thru Mud Gas Separator. Weld give way in Dump line. Leak to big to continue operation. Leave well flowing to Bttry while NU New Mud gas Separator w/ 10" vent Line Will lower psi and TOH this A.M.	
03/05/2008		Daily Cost:	\$29,085
COMP		Cumulative Costs:	\$7,547,897
AFE:	257078	Present Operation:	TOH w/ 2 7/8" Tbg
DFS:	326	Flowed 24 hrs on 32/64" choke w/ FCP @ 140#. Recovered 250 oil, 80 water, 245 gas. RU Arc Slick Line and TIH w/ 2.309" Gauge Ring and Find top of Accelerator at 10,293'. TIH w/ Pump Thru Tbg Plug and Set at 10,292'. TIH w/ Tbg stop and Set on Plug At 10,290'. RD Arc. ND Master Valve and Set Tbg in Slip Rams. RU Bobcat Snubbing Unit. PU One Jt of 2 7/8" Tbg and Screw into TIW Valve. Release Slip Type Rams and Pull TIW Valve and 2 7/8" Tbg String up thru Stack and set slips. Secure well. Leave flowing to Bttry and SDFN	
03/04/2008		Daily Cost:	\$26,618
COMP		Cumulative Costs:	\$7,518,812
AFE:	257078	Present Operation:	RU Arc Slick Line
DFS:	325	Flowed 24 hrs on 32/64" choke w/ FCP @ 200#. Recovered 389 oil, 110 water, 950 gas. MIRU Key Rig #351. NU 5K full opening 2 7/8" Tbg Valve in top of TIW. Psi TIW to 1600# and Open. Soft Kill Tbg w/ 40 BBIs of produced water. ND Master Valve and TIW valve while Tbg on Vac. ND Stripper Head and NU 5K Hyd Single BOP w/ 2 7/8" Combo Slips and Pipe Rams. NU TIW Valve and Master Valve. NU Standby 10K manifold to Mud gas separator. Leave well flowing to Bttry and SDFN.	
03/03/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,492,194
AFE:	257078	Present Operation:	Flowing on Test
DFS:	324	Flow well 24 Hrs on 32/64 choke, FCP 200#. Made 468 BO, 102 BW, 501 MCF	
03/02/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,486,419
AFE:	257078	Present Operation:	Flowing on Test
DFS:	323	Flow well 24 hrs, FCP this AM 360#. Made 475 BO, 108 BW, 510 MCF. Opened well up on various larger chokes for most of day, well unloaded and pressures came back up.	

CIMAREX ENERGY CO**429825-007.01 CIMAREX UNIVERSITY 18-41A 1H**

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

03/01/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,480,644
AFE:	257078	Present Operation:	Flowing on Test
DFS:	322	Flow well 24 hrs, FCP 60# this AM. Made 409 BO, 88 BW, 497 MCF. Well loading up, open well up on larger chokes to see if it will unload or just die.	
02/29/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,474,869
AFE:	257078	Present Operation:	Flowing on Test
DFS:	321	Flow well 24 hrs on 32/64 choke, FCP 240#. Made 463 BO, 107 BW, 510 MCF.	
02/28/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,469,094
AFE:	257078	Present Operation:	Flowing on Test
DFS:	320	Flow well 24 hrs on 32/64 choke, FCP 200#. Made 492 BO, 109 BW, 521 MCF.	
02/27/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,463,319
AFE:	257078	Present Operation:	Flowing on Test
DFS:	319	Flow well 24 hrs on 32/64 choke, FCP 360# this AM. Well starting to load up and unload more frequently than before, pressure decreased to 70# from 280 for about an hour then went up to 310# for several hrs, then to 110# for several hrs, then increased to 360# at report time this AM. Made 512 BO, 114 BW, 560 MCF.	
02/26/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,457,544
AFE:	257078	Present Operation:	Flowing on Test
DFS:	318	Flow well 24 hrs on 32/64 choke, FCP 280#. Made 545 BO, 111 BW, 590 MCF.	
02/25/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,451,769
AFE:	257078	Present Operation:	Flowing on Test
DFS:	317	Flow well 24 hrs on 32/64 choke-FCP 280#. Made 590 BO, 110 BW, 595 MCF	
02/24/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,445,994
AFE:	257078	Present Operation:	Flowing on Test
DFS:	316	Flowed 24 hrs on 29/64" choke w/ FCP @ 540#. Recovered 590 oil, 127 water, 720 gas.	
02/23/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,440,219
AFE:	257078	Present Operation:	Flowing on Test
DFS:	315	Flowed well 24 hrs on 32/64" choke w/ FCP @ 280#. Made 586 BO, 112 BW, 622 MCF gas.	
02/22/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,434,444
AFE:	257078	Present Operation:	Flowing on Test
DFS:	314	Flow 24 hrs on 30/64" choke w/ FCP @ 300#. Made 488 BO, 115 BW, 611 MCF.	

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 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

02/21/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,428,669
AFE:	257078	Present Operation:	Flowing on Test
DFS:	313	Flowed 24 hrs on 30/64" choke w/ FCP 300#. Made 518 BO, 102 BW, 605 MCF.	
02/20/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,422,894
AFE:	257078	Present Operation:	Flowing on Test
DFS:	312	Flow well 24 hrs on 30/64 choke, FCP 350#. Made 479 BO, 96BW, 610MCF.	
02/19/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,417,119
AFE:	257078	Present Operation:	Flowing on Test
DFS:	311	Flow well 24 hrs on 30/64 choke, FCP 320#. Made 561 BO, 87 BW, 615 MCF	
02/18/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,411,344
AFE:	257078	Present Operation:	Flowing on Test
DFS:	310	Flow well 24 hrs on 30/64 choke, FCP 350#. Made 528 BO, 95 BW, 640 MCF.	
02/17/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,405,569
AFE:	257078	Present Operation:	Flowing on Test
DFS:	309	Flow well 24 hrs on 30/64 choke, FCP 320#. Made 608 BO, 100 BW, 640 MCF	
02/16/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,399,794
AFE:	257078	Present Operation:	Flowing on Test
DFS:	308	Flow well 24 hrs on 30/64 choke, FCP 350#. Made 547 BO, 105 BW, 655 MCF.	
02/15/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,394,019
AFE:	257078	Present Operation:	Flowing on Test
DFS:	307	Flowed well 24 hrs on 30/64" choke w/ FCP @ report time 350#. Made: 561 BO, 110 BW, 665 MCF	
02/14/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,388,244
AFE:	257078	Present Operation:	Flowing on Test
DFS:	306	Flowed 24 hrs on 30/64 choke, FCP 320#. Made 610 BO, 112 BW, 675 MCF.	
02/13/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,382,469
AFE:	257078	Present Operation:	Flowing on Test
DFS:	305	Flowed 24 hrs on 30/64" choke w/ FCP @ 340#. Made 617 BO, 115 BW, 672 MCF.	

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 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

02/12/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,376,694
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 304 Flowed well 24 Hrs. FCP 350# on 30/64 choke, Made 627 BO, 126 BW, 710 MCF

02/11/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,370,919
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 303 Flow well 24 Hrs on 30/64 choke, FCP 370#. Made 577 BO, 120 BW, 655 MCF.

02/10/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,365,144
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 302 Flow well 24 Hrs. on 30/64 choke, FCP 360#. Made 594 BO, 110 BW, 690 MCF.

02/09/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,359,369
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 301 Flowed well 24 Hrs on 30/64 choke. Made 627 BO, 118 BW, 700 MCF.

02/08/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,353,594
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 300 Flowed 24 hrs on 30/64" choke w/ FCP @ 400#. Made 660 BO, 110 BW, 700 MCF.

02/07/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,347,819
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 299 Flowed 24 hrs on 30/64" choke w/ FCP @ 400#. Made 685 BO,115 BW, 730 MCF.

02/06/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,342,044
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 298 Flow well 24 hrs on 30/64 choke, FCP 400#. Made 646 BO,115 BW,726 MCF

02/05/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,336,269
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 297 Flowed 24 hrs on 30/64" choke w/ FCP @ 400#. Made 664 BO, 118 BW, 753 MCF

02/04/2008 Daily Cost: \$5,775
 COMP Cumulative Costs: \$7,330,494
 AFE: 257078 Present Operation: Flowing on Test
 DFS: 296 Flowed 24 hrs on 30/64 choke, FCP 350#. Made 690 BO,110 BW,780 MCF.

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County, St: Ward, TX
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 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

02/03/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,324,719
AFE:	257078	Present Operation:	Flowing on Test
DFS:	295	Flowed 24 hrs on 30/64" choke w/ FCP @ 400#. Recovered 660 BO, 118 BW, 720 MCF gas.	
02/02/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,318,944
AFE:	257078	Present Operation:	Flowing on Test
DFS:	294	Flowed 24 hrs 6 hrs on 27/64 choke, 18 on 28/64 choke. FCP on 28/64 choke-390#. Made 593 BO, 110 BW, 750 MCF.	
02/01/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,313,169
AFE:	257078	Present Operation:	Flowing on Test
DFS:	293	Flowed 24 hrs on 27/64" choke w/ FCP @ 450#. Made 594 BO, 113 BW, 763 MCF	
01/31/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,307,394
AFE:	257078	Present Operation:	Flowing on Test
DFS:	292	Flowed 24 hrs on 26/64" choke w/ FCP @ 400#. Recovered 577 oil, 115 water, 764 gas.	
01/30/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,301,619
AFE:	257078	Present Operation:	Flowing on Test
DFS:	291	Flowed 24 hrs on 26/64" choke w/ FCP @ 470#. Recovered 610 oil, 105 water, 770 gas.	
01/29/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,295,844
AFE:	257078	Present Operation:	Flowing on Test
DFS:	290	Flowed 24 hrs on 25/64" choke w/ FCP @ 547#. Recovered 647 oil, 124 water, 750 gas. Had to put on smaller choke due to flow rate inc	
01/28/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,290,069
AFE:	257078	Present Operation:	Flowing on Test
DFS:	289	Flowed 24 hrs on 30/64" choke w/ FCP @ 600#. Recovered 560 oil, 111 water, 700 gas.	
01/27/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,284,294
AFE:	257078	Present Operation:	Flowing on Test
DFS:	288	Flowed 24 hrs on 29/64" choke w/ FCP @ 540#. Recovered 593 oil, 127 water, 705 gas.	
01/26/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,278,519
AFE:	257078	Present Operation:	Flowing on Test
DFS:	287	Flowed 24 hrs on 29/64" choke w/ FCP @ 540#. Recovered 620 oil, 120 water, 700 gas.	

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01/25/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,272,744
AFE:	257078	Present Operation:	Flowing on Test
DFS:	286	Flowed 24 hrs on 29/64" choke w/ FCP @ 540#. Recovered 590 oil, 127 water, 720 gas.	
01/24/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,266,969
AFE:	257078	Present Operation:	Flowing on Test
DFS:	285	Flowed 24 hrs on 26/64" choke w/ FCP @ 600#. Recovered 528 oil, 105 water, 600 gas.	
01/23/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,261,194
AFE:	257078	Present Operation:	Flowing on Test
DFS:	284	Flowed 24 hrs on 26/64" choke w/ FCP @ 640#. Recovered 540 oil, 110 water, 623 gas.	
01/22/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,255,419
AFE:	257078	Present Operation:	Flowing on Test
DFS:	283	Flowed 24 hrs on 26/64" choke w/ FCP @ 590#. Recovered 590 oil, 123 water, 723 gas.	
01/21/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,249,644
AFE:	257078	Present Operation:	Flowing on Test
DFS:	282	Flowed 24 hrs on 25/64" choke w/ FCP @ 600#. Recovered 554 oil, 180 water, 690 gas.	
01/20/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,243,869
AFE:	257078	Present Operation:	Flowing on Test
DFS:	281	Flowed 24 hrs on 25/64" choke w/ FCP @ 600#. Recovered 603 oil, 123 water, 703 gas.	
01/19/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,238,094
AFE:	257078	Present Operation:	Flowing on Test
DFS:	280	Flowed 24 hrs on 25/64" choke w/ FCP @ 620#. Recovered 576 oil, 120 water, 770 gas.	
01/18/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,232,319
AFE:	257078	Present Operation:	Flowing on Test
DFS:	279	Flowed 24 hrs on 25/64" choke w/ FCP @ 630#. Recovered 627 oil, 127 water, 780 gas.	
01/17/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,226,544
AFE:	257078	Present Operation:	Flowing on Test
DFS:	278	Flowed 24 hrs on 24/64" choke w/ FCP @ 630#. Recovered 590 oil, 120 water, 753 gas.	

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Prop Depth: 15500 Sec/TS/Rng: 41

01/16/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,220,769
AFE:	257078	Present Operation:	Flowing on Test
DFS:	277	Flowed 24 hrs on 25/64" choke w/ FCP @ 650#. Recovered 590 oil, 125 water, 796 gas.	
01/15/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,214,994
AFE:	257078	Present Operation:	Flowing on Test
DFS:	276	Flowed 24 hrs on 24/64" choke w/ FCP @ 700#. Recovered 530 oil, 122 water, 788 gas.	
01/14/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,209,219
AFE:	257078	Present Operation:	Flowing on Test
DFS:	275	Flowed 24 hrs on 24/64" choke w/ FCP @ 750#. Recovered 540 oil, 117 water, 767 gas.	
01/13/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,203,444
AFE:	257078	Present Operation:	Flowing on Test
DFS:	274	Flowed 24 hrs on 24/64" choke w/ FCP @ 750#. Recovered 560 oil, 130 water, 702 gas.	
01/12/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,197,669
AFE:	257078	Present Operation:	Flowing on Test
DFS:	273	Flowed 24 hrs on 24/64" choke w/ FCP @ 750#. Recovered 570 oil, 120 water, 702 gas.	
01/11/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,191,894
AFE:	257078	Present Operation:	Flowing on Test
DFS:	272	Flowed 24 hrs on 23/64" choke w/ FCP @ 800#. Recovered 594 oil, 125 water, 745 gas.	
01/10/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,186,119
AFE:	257078	Present Operation:	Flowing on Test
DFS:	271	Flowed 24 hrs on 22/64" choke w/ FCP @ 800#. Recovered 528 oil, 115 water, 740 gas.	
01/09/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,180,344
AFE:	257078	Present Operation:	Flowing on Test
DFS:	270	Flowed 24 hrs on 22/64" choke w/ FCP @ 800#. Recovered 578 oil, 120 water, 703 gas.	
01/08/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,174,569
AFE:	257078	Present Operation:	Flowing on Test
DFS:	269	Flowed 24 hrs on 22/64" choke w/ FCP @ 850#. Recovered 570 oil, 120 water, 700 gas.	

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Formation: W.I. Pct ACP: 50.00 %
Prop Depth: 15500 Sec/TS/Rng: 41

01/07/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,168,794
AFE:	257078	Present Operation:	Flowing on Test
DFS:	268	Flowed 24 hrs on 21/64" choke w/ FCP @ 930#. Recovered 570 oil, 114 water, 694 gas.	
01/06/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,163,019
AFE:	257078	Present Operation:	Flowing on Test
DFS:	267	Flowed 24 hrs on 21/64" choke w/ FCP @ 950#. Recovered 518 oil, 113 water, 736 gas.	
01/05/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,157,244
AFE:	257078	Present Operation:	Flowing on Test
DFS:	266	Flowed 24 hrs on 21/64" choke w/ FCP @ 950#. Recovered 504 oil, 180 water, 723 gas.	
01/04/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,151,469
AFE:	257078	Present Operation:	Flowing on Test
DFS:	265	Flowed 24 hrs on 21/64" choke w/ FCP @ 975#. Recovered 580 oil, 140 water, 751 gas.	
01/03/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,145,694
AFE:	257078	Present Operation:	Flowing on Test
DFS:	264	Flowed 24 hrs on 20/64" choke w/ FCP @ 1000#. Recovered 578 oil, 128 water, 734 gas.	
01/02/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,139,919
AFE:	257078	Present Operation:	Flowing on Test
DFS:	263	Flowed 24 hrs on 19/64" choke w/ FCP @ 1050#. Recovered 575 oil, 135 water, 740 gas.	
01/01/2008		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,134,144
AFE:	257078	Present Operation:	Flowing on Test
DFS:	262	Flowed 24 hrs on 18/64" choke w/ FCP @ 1150#. Recovered 532 oil, 143 water, 662 gas.	
12/31/2007		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,128,369
AFE:	257078	Present Operation:	Flowing on Test
DFS:	261	Flowed 24 hrs on 17/64" choke w/ FCP @ 1275#. Recovered 528 oil, 127 water, 605 gas.	
12/30/2007		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,122,594
AFE:	257078	Present Operation:	Flowing on Test
DFS:	260	Flowed 24 hrs on 16/64" choke w/ FCP @ 1300#. Recovered 561 oil, 122 water, 460 gas.	

CIMAREX ENERGY CO**429825-007.01 CIMAREX UNIVERSITY 18-41A 1H**County, St: Ward, TX
Location:Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
Formation: W.I. Pct ACP: 50.00 %
Prop Depth: 15500 Sec/TS/Rng: 41

12/29/2007		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,116,819
AFE:	257078	Present Operation:	Flowing on Test
DFS:	259	Flowed 24 hrs on 15/64" choke w/ FCP @ 1275#. Recovered 478 oil, 120 water, 646 gas.	
12/28/2007		Daily Cost:	\$5,775
COMP		Cumulative Costs:	\$7,111,044
AFE:	257078	Present Operation:	Flowing on Test
DFS:	258	Flowed 24 hrs on 15/64" choke w/ FCP @ 1325#. Recovered 455 oil, 112 water, 615 gas.	
12/27/2007		Daily Cost:	\$6,300
COMP		Cumulative Costs:	\$7,105,269
AFE:	257078	Present Operation:	Flowing on Test
DFS:	257	Flowed 24 hrs on 15/64" choke w/ FCP @ 1325#. Recovered 465 oil, 125 water, 627 gas.	
12/26/2007		Daily Cost:	\$6,300
COMP		Cumulative Costs:	\$7,098,969
AFE:	257078	Present Operation:	Flowing on Test
DFS:	256	Flowed 24 hrs on 15/64" choke w/ FCP @ 1450#. Recovered 522 oil, 115 water, 610 gas.	
12/25/2007		Daily Cost:	\$6,300
COMP		Cumulative Costs:	\$7,092,669
AFE:	257078	Present Operation:	Flowing on Test
DFS:	255	Flowed 24 hrs on 15/64" choke w/ FCP @ 1500#. Recovered 578 oil, 120 water, 540 gas.	
12/24/2007		Daily Cost:	\$6,300
COMP		Cumulative Costs:	\$7,086,369
AFE:	257078	Present Operation:	Flowing on Test
DFS:	254	Flowed 24 hrs. Recovered 627 oil, 220 water, 646 gas. This A.M. flowing on 15/64" choke w/ 1520# FCP.	
12/23/2007		Daily Cost:	\$6,300
COMP		Cumulative Costs:	\$7,080,069
AFE:	257078	Present Operation:	Flowing on Test
DFS:	253	Flowed 24 hrs. Recovered 690 oil, 116 water, 686 gas. This A.M. flowing on 15/64" choke w/ 1450# FCP.	
12/22/2007		Daily Cost:	\$6,300
COMP		Cumulative Costs:	\$7,073,769
AFE:	257078	Present Operation:	Flowing on Test
DFS:	252	Flowed 24 hrs. Recovered 693 oil, 105 water, 946 gas. This A.M. flowing on 15/64" choke w/ 1500# FCP.	
12/21/2007		Daily Cost:	\$6,300
COMP		Cumulative Costs:	\$7,067,469
AFE:	257078	Present Operation:	Flowing on Test
DFS:	251	Flowed 24 hrs. Recovered 548 oil, 190 water, 730 gas. This A.M. flowing on 14/64" choke w/ 1550# FCP. Opening to 16/64" choke causes separator overload and pop off to vent to the air.	

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX
 Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

12/20/2007		Daily Cost:	\$7,875
COMP		Cumulative Costs:	\$7,061,169
AFE:	257078	Present Operation:	Flowing on Test
DFS:	250	Repair dump valves on seperator and bring well on line at 8:00 on various chokes. This A.M. flowed 22 hrs. Recovered 440 oil, 175 water, 419 gas Presently flowing on 12/64" choke w/ 1700# FCP. Will open to 16/64" choke at day light	
12/19/2007		Daily Cost:	\$9,660
COMP		Cumulative Costs:	\$7,053,294
AFE:	257078	Present Operation:	Prep to Open Well To Bttry For Flow Test
DFS:	249	Open well to gas buster and pit to flow till clean up. Flowed back approx 20 BBls of Kill mud w/ fluid turning to emulsion w/ 15% oil cut. Flowed approx 7 hrs on various chokes w/ max flow at 32/64" choke and 800# FCP. Recovered approx 200 bbls. Last sample shakeout by chemical man = 2% mud. While flowing to gas buster for cleanup, drained and cleaned seperator and treator. Back flushed flowline till clean w/ fresh water. Blowed and cleared all gas lines and notified gas company of possible liquid sent down gas line. Attempt to open well to Bttry at 17:15 on 14/64" choke. Dump valves not dumping due to mud in top of valves. Shut well in due to dark. Will repair valves and open to production this A.M.	
12/18/2007		Daily Cost:	\$15,645
COMP		Cumulative Costs:	\$7,043,634
AFE:	257078	Present Operation:	Shut in for Bttry Repair
DFS:	248	RU - 2 Pump trucks to Tbg and attempt to Kill well w/ 12.0 PPG mud. Attempted to circ down flow line and to gas buster. Volumes too high for bttry and gas buster. Pumped 2 7/8" Tbg capacity (70 BBls) and SD, Tbg psi had 550# and holding. Kill mud wt calculates approx 13.1 PPG. Re-turn well flowing to Bttry on 16/64" choke. Rig down and Release Rig at 12:00 Noon and all non-essential surface equipment. Flowed to Bttry 10 hrs -- Recovered 200 oil, 100 water, 408 MCF gas on 16/64" choke w/ FCP at 2000#. Shut well in at 22:00 due to 12# kill mud plugging up Bttry controls and valves This A.M. SICP at 2400#. Will start flow back to gas buster at Daylight to clear out kill mud.	
12/17/2007		Daily Cost:	\$5,250
COMP		Cumulative Costs:	\$7,027,989
AFE:	257078	Present Operation:	Kill well and TOH
DFS:	247	Flowed to Bttry 24 hrs -- Recovered 620 oil, 150 water, 887 MCF gas. FCP at 1500# on 16/64" choke	
12/16/2007		Daily Cost:	\$3,675
COMP		Cumulative Costs:	\$7,022,739
AFE:	257078	Present Operation:	Flowing on Test
DFS:	246	Flowed to Bttry 24 hrs -- Recovered 552 oil, 130 water, 880 MCF gas. FCP at 1500# on 16/64" choke	
12/15/2007		Daily Cost:	\$8,610
COMP		Cumulative Costs:	\$7,019,064
AFE:	257078	Present Operation:	Flowing on Test
DFS:	245	Flowed to Bttry 24 hrs -- Recovered 525 oil, 170 water, 896 MCF gas. FCP at 1700# on 16/64" choke	
12/14/2007		Daily Cost:	\$9,660
COMP		Cumulative Costs:	\$7,010,454
AFE:	257078	Present Operation:	Flowing on Test
DFS:	244	Flowed to Bttry 24 hrs -- Recovered 540 oil, 189 water, 1137 MCF gas. FCP at 1750# on 16/64" choke	
12/13/2007		Daily Cost:	\$12,285
COMP		Cumulative Costs:	\$7,000,794
AFE:	257078	Present Operation:	Flowing to Bttry On Test
DFS:	243	Well continue to flow to Test Tank on 42/64" choke. Shut well in and NU Flowline. Open well to Bttry on Test. This A.M. well flowing on 14/64" choke w/ 2400# FCP. In 14 Hrs recovered 180 oil, 30 water and 315 MCF Gas Will continue to flow to Bttry on Test	

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

12/12/2007		Daily Cost:	\$15,960
COMP		Cumulative Costs:	\$6,988,509
AFE:	257078	Present Operation:	Attempt to Kill well and TOH w/ Fish
DFS:	242	Over night Choke plugged. SITP and Csg psi = 1500#. Blow down to 150 and attempt to Kill well by Circulating 10# Brine. Well still flowing. Install stripper rubber and put Tbg on U-Tube w/ Brine and TIH to 10,500'. Leave well flowing on 3/4" choke w/ watchman. Send crew home. Will attempt to Kill w/ 10# Brine This A.M. ` Well continue to increase flow rate. Flow stabilized at 21:00 hours. FCP = 600# on 42/64" choke. Making 3 BBls of oil and 16 BBls of water per hour w/ strong blow of gas. In 9 hrs well has flowed 27 BBls of oil, 144 BBls of water .	
12/11/2007		Daily Cost:	\$17,472
COMP		Cumulative Costs:	\$6,972,549
AFE:	257078	Present Operation:	Finish TOH w/ Fishing Assmly & Fish
DFS:	241	Finish TIH w/ Fishing assmly on 2 7/8" Tbg. Screw into fish at 11,160'. Jar on fish for 5 hrs w/ Max of 40K overweight. Fish appear to come free. Befin TOH. Had 30K drag for 30' and continue to TOH to 3000'. Put well on small choke and SDFN..	
12/10/2007		Daily Cost:	\$0
COMP		Cumulative Costs:	\$6,955,077
AFE:	257078	Present Operation:	Finish TIH w/ Fishing Assmly
DFS:	240	Sunday - Crew Off	
12/09/2007		Daily Cost:	\$0
COMP		Cumulative Costs:	\$6,955,077
AFE:	257078	Present Operation:	Finish TIH w/ Fishing Assmly
DFS:	239	Saturday - No activity	
12/08/2007		Daily Cost:	\$35,847
COMP		Cumulative Costs:	\$6,955,077
AFE:	257078	Present Operation:	Finish TIH w/ Fishing Assmly
DFS:	238	TIH w/ String Shot and CCL Viva E-Line and Back off 2 7/8" Tbg String at 11,161' approx. RD E-Line. Circ hole w/ 10# Brine. TOH w/ 11,160' of 2 7/8" Tbg. Back off had occurred in top of Screw- in - sub (8rd Thread) not 1' lower in open hole thread. PU and TIH w/ screw-in-sub on BHA #1 on 2 7/8" Tbg to 3200'. Leave csg open on small choke and SDFN and weekend.	
12/07/2007		Daily Cost:	\$27,552
COMP		Cumulative Costs:	\$6,919,230
AFE:	257078	Present Operation:	Attempt Back Off Tbg
DFS:	237	RU BJ Acid truck to tbg w/ High Psi PPI Hose and Break circulation w/ 3000# and continue to circ well w/ 10# Brine X 2 conventional while attempting to work tbg free while pmping at rate of 4 BPM 2200#. No Movement. RU and pmp reverse at 4 BPM 2200# for 2 Bottoms up while working Tbg, No Movement. RD BJ and RU Gray E-Line. TIH w/ freepoint and find tbg at cut point of 11,276 and back to window at - 70% stuck. 100% Free from top of window up, RU and Attempt String Shot Back off at 11,161'. Shot fired but Attempt failed. Leave well on small chokes and SDFN	
12/06/2007		Daily Cost:	\$23,247
COMP		Cumulative Costs:	\$6,891,678
AFE:	257078	Present Operation:	RU BJ Acid Truck & Attempt To Circ
DFS:	236	No movemnt of tbg or E-Line tools over night. Attemp to pump down tbg w/ 10# Brine. Psi out reverse pmp at 3000# & 1/4 bpm after pmping 12 bbls. Csg still flowing intermittently. Continue to work E-Line tools for 2 hours no movement. Pull out of rope socket and TOH w/ E-Line. TIH w/ 1 5/8" overshot, bumper sub and Hyd jars on E-Line. Beat down shear tool on overshot for release if necessary. Jar on fish for 3 hours. Cutter came free. TOH. Recovered all E-Line Tools. TIH w/ 1 7/8" Super Jet Cutter w/ CCL and Rope Socket. Log thru interval at 11,276'. CCL indicates at least partial cut. Fire jet cutter at 11,276'. TOH. Work and Rotate pipe for 2 hours. No Movement. Attempt to pmp down Tbg w/ 10# Brine. Pmp psi out at 3000# & 1/4 BPM after 8 BBLS pmped. Put 2 7/8" tbg 40K over weight Tension. Leave tbg and csg on 20/64" chokes and SDFN. Will RU BJ acid truck this A.M. and attempt to Break circulation conventional.	
12/05/2007		Daily Cost:	\$25,620
COMP		Cumulative Costs:	\$6,868,431
AFE:	257078	Present Operation:	Continue to Work Stuck Wireline Tools

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

DFS: 235 MIRU Eunice Well Service Rig #5. SITP = 2000#. Bleed down in one hour to weak blow. SICP = 2400#. Bleed down to weak Continuous Blow w/ intermittent surges of water stained w/ oil in 5 hours. ND Frac Valve and NU 5k Double Hyd BOP. PU 12' tbg sub and remove tbg wrap around from well head. RU Gray Wire Line and TIH w/ freepoint tool. Pipe 100% stuck at 11,349' and 11,317'. 80% Free at 11,286'. Attempt torquing 2 7/8" tbg to see if string shot possible. Tbg would not return correct torque. TIH w/ 1 7/8" Chemical cutter, collar locator and rope socket Viva E-Line. Attempt chemical cut at 11,276' (25' outside window). Cutter stuck . Work cutter and 2 7/8" tbg for 2 hours. No movement from 2 7/8" tbg, chemical cutter moved total of 20' in 2 hours of working. Put 2 7/8" tbg on 10/64" choke to test tank and csg on 24/64" choke to gas buster. Leave tbg and wire line tools in tension. SDFN. Rope socket at 11,245', CCL @ 11,246' & Chemical Cutter Bottom at 11,256'. If no movement over night, will try circ free this A.M.

11/28/2007 Daily Cost: \$3,465
 COMP Cumulative Costs: \$6,842,811

AFE: 257078 Present Operation: Well SI- pending further action

DFS: 228 Open well up on 24/64 choke for 4 1/2 hrs, recovered 65 BBLS water with a trace of oil. FTP/CP 0#. Well now has very weak blow of gas. Shut well in and start evaluating options left to get well on production.

11/27/2007 Daily Cost: \$101,195
 COMP Cumulative Costs: \$6,839,346

AFE: 257078 Present Operation: Well open to test tanks overnight-no flow

DFS: 227 SITP 1250#, SICP 3000#. RU to flow well to test tanks off casing ,tubing or both. Open well up on casing side on 10/64 choke at 12:30 pm, on 10/64 choke. Flow well 3 hrs, FCP 100#, recovered 80 bbls fluid with 5 % oil cut. Check pressure on tubing, down to 350#. Shut casing, open tubing up to flow to tanks. Well flowed 30 mins, pressure fell to 0#, no recovery. Open well up on both the tubing and casing and flow to tanks, recovered an additional 15 bbls fluid in 3 hrs, oil cut now 2-3%. Leave well open to test tanks and let it flow overnight with weak gas,oil water mist and occasional head of fluid. Made 40 bbls fluid in 12 hrs to tanks. Open well up on 24/64 choke this AM. Load to recover from Wed. attempted screen out job down casing-527 bbls.
 Total Fluid Recovered Last 24 Hrs : 135 BBLS
 Total Load Recovered : 131 BBLS
 Load Left to Recover : 396 BBLS
 Oil Recovered Last 24 Hrs : 4 BBLS
 Total Oil Recovered : 4 BBLS
 (This AM costs includes approx cost for battery, flowlines, connections, etc.)

11/22/2007 Daily Cost: \$31,500
 COMP Cumulative Costs: \$6,738,151

AFE: 257078 Present Operation: Well SI pending further evaluation-will open to flow test on 11-26-2007

DFS: 222 RU Guardian isolation tool and Weatherford Services frac equipment. RU to pump frac fluid containing 100 mesh sand down annulus to screen out around overshot if possible and circulate/ flow or pressure up on tubing as needed to pump out float plug. SITP 1000#, SICP 2400#. Open well up on casing side and flow off to test tank, pressure blew down to 980# in 15 mins. Recovered oil, water and gas. Establish rate down casing at 4 BPM, 1100# while letting tubing flow,circulate to test tanks. Blend and pump 60 bbls 10# linear gel fluid containing containing 5000# 100 mesh sand ramped from 0.5#/gal to 2.0#/gal down annulus at 4.6 BPM - 4575# until just before top of overshot, decreased rate to 2.8 BPM at 4480#, bring pump on tubing side on line to equalize pressure so that sand slurry did not get into tubing, took 5 BPM to get and hold pressure at 4700#. Continue pumping sand slurry on casing side down to overshot, did not see any pressure increase and actually saw a pressure decrease to 4307#. Mix 2nd 10# linear gel slurry with another 5000# 100 mesh screen and ramp it up to 3.5# in 35 bbls. Pump down casing again to 1000' above overshot and slow rate down,bring tubing pump back on line, this time to 4550# at 5 BPM, while trying to finish pumping slurry down to and screenout around overshot. Pump rate 2.6 BPM, 4300#. Did see slight increase in casing pressure,slowed pump down to 2.2 BPM (slowest it would pump) at 4260#- increased to 4640# for a few seconds and then decreased to 4300#, tubing pressure came down also to 4350# and had to increase pump rate to 6.2 BPM to do so. With sand in place did try to increase pressure on tubing to blow out plug but could only manage 5060# at 7.7 BPM. Casing pressure did not change. Do not think much if any fluid is going out toe through float sub, most is going out into formation around overshot, possibly into sidetrack that is close to it. Each time we pressure up and pump fluid down around overshot, pressures decrease and rates increase indicating that we are fracing into the formation at that point. ISIP 4530#, 5 min-4491#, 10 min-4480#. Shut down, RD Weatherford and Guardian. Leave well SI over holiday, will open up to flow to test tanks on Monday, November 26,2007.

11/21/2007 Daily Cost: \$21,525
 COMP Cumulative Costs: \$6,706,651

AFE: 257078 Present Operation: Well SI pending further evaluation-will open to flow test on 11-26-2007

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

DFS: 221 RU Guardian isolation tool and Weatherford Services frac equipment. RU to pump frac fluid containing 100 mesh sand down annulus to screen out around overshot if possible and circulate/ flow or pressure up on tubing as needed to pump out float plug. SITP 1000#, SICP 2400#. Open well up on casing side and flow off to test tank, pressure blew down to 980# in 15 mins. Recovered oil, water and gas. Establish rate down casing at 4 BPM, 1100# while letting tubing flow, circulate to test tanks. Blend and pump 60 bbls 10# linear gel fluid containing 5000# 100 mesh sand ramped from 0.5#/gal to 2.0#/gal down annulus at 4.6 BPM - 4575# until just before top of overshot, decreased rate to 2.8 BPM at 4480#, bring pump on tubing side on line to equalize pressure so that sand slurry did not get into tubing, took 5 BPM to get and hold pressure at 4700#. Continue pumping sand slurry on casing side down to overshot, did not see any pressure increase and actually saw a pressure decrease to 4307#. Mix 2nd 10# linear gel slurry with another 5000# 100 mesh screen and ramp it up to 3.5# in 35 bbls. Pump down casing again to 1000' above overshot and slow rate down, bring tubing pump back on line, this time to 4550# at 5 BPM, while trying to finish pumping slurry down to and screenout around overshot. Pump rate 2.6 BPM, 4300#. Did see slight increase in casing pressure, slowed pump down to 2.2 BPM (slowest it would pump) at 4260#- increased to 4640# for a few seconds and then decreased to 4300#, tubing pressure came down also to 4350# and had to increase pump rate to 6.2 BPM to do so. With sand in place did try to increase pressure on tubing to blow out plug but could only manage 5060# at 7.7 BPM. Casing pressure did not change. Do not think much if any fluid is going out toe through float sub, most is going out into formation around overshot, possibly into sidetrack that is close to it. Each time we pressure up and pump fluid down around overshot, pressures decrease and rates increase indicating that we are fracing into the formation at that point. ISIP 4530#, 5 min-4491#, 10 min-4480#. Shut down, RD Weatherford and Guardian. Leave well SI over holiday, will open up to flow to test tanks on Monday, November 26, 2007.

11/20/2007 Daily Cost: \$270,750
 COMP Cumulative Costs: \$6,685,126

AFE: 257078 Present Operation:

DFS: 220

10/19/2007 Depth 15,220 Daily Cost: \$320
 DRLG Progress 0 Cumulative Costs: \$6,414,376

AFE: 257078 Present Operation: Rig Down Key # 92

DFS: 188 Continue displace wellbore with Brine Water. Nipple down BOPE at Cameron "B" Section. Install 2 7/8" tubing hanger and hang 2 7/8" tubing in tension with 45,000 lbs over string weight. Continue nipple down of BOPE. Nipple up 7 1/16" x 5M Frac Valve and close. Jet and clean pits. Rig Released at 17:00 hrs on 10-18-07 Rig Down Key # 92.

10/19/2007 Daily Cost: \$130,565
 COMP Cumulative Costs: \$6,414,376

AFE: 257078 Present Operation: Rig Down Key # 92

DFS: 188 Continue displace wellbore with Brine Water. Nipple down BOPE at Cameron "B" Section. Install 2 7/8" tubing hanger and hang 2 7/8" tubing in tension with 45,000 lbs over string weight. Continue nipple down of BOPE. Nipple up 7 1/16" x 5M Frac Valve and close. Jet and clean pits. Rig Released at 17:00 hrs on 10-18-07 Rig Down Key # 92.

10/18/2007 Daily Cost: \$243,611
 COMP Cumulative Costs: \$6,283,491

AFE: 257078 Present Operation: Displace Well With 10.0 PPG Brine Water

DFS: 187 Mill at 11,437' (Float Valve) with metal cuttings and rubber on returns. At 10:00 hrs was able to TIH to 11,440' (Coil Tubing Depth). Work Step mill from 11,400' to 11,454'. Unable to work past 11,454' (Coil Tubing Depth). Pump sweep and TOH with Step Mill And Motor. Break out Step Mill and Motor. TIH with 1 1/4" Wash Down Tool and wash from 11,437' to 12,405'. Pump sweep and circulate hole clean. TOH with 1 1/4" coil tubing to 3000'. Establish circulation around Overshot and circulate hole clean. TIH with 1 1/4" Coil Tubing and displace wellbore with Nitrogen to 11,463'. Unable to work 1 1/4" coil tubing past 11,463'. No gas and no flow after displacement on casing or tubing. TOH with 1 1/4" coil tubing and rig down Bobcat Coil Tubing Unit. Observe well. No flow on tubing or casing with no gas. Pick up drillstring and 114,000 lbs, drillstring still in tension. Displace well with 10.0 ppg Brine Water

10/18/2007 Depth 15,220 Daily Cost: \$320
 DRLG Progress 0 Cumulative Costs: \$6,283,491

AFE: 257078 Present Operation: Displace Well With 10.0 PPG Brine Water

DFS: 187 Mill at 11,437' (Float Valve) with metal cuttings and rubber on returns. At 10:00 hrs was able to TIH to 11,440' (Coil Tubing Depth). Work Step mill from 11,400' to 11,454'. Unable to work past 11,454' (Coil Tubing Depth). Pump sweep and TOH with Step Mill And Motor. Break out Step Mill and Motor. TIH with 1 1/4" Wash Down Tool and wash from 11,437' to 12,405'. Pump sweep and circulate hole clean. TOH with 1 1/4" coil tubing to 3000'. Establish circulation around Overshot and circulate hole clean. TIH with 1 1/4" Coil Tubing and displace wellbore with Nitrogen to 11,463'. Unable to work 1 1/4" coil tubing past 11,463'. No gas and no flow after displacement on casing or tubing. TOH with 1 1/4" coil tubing and rig down Bobcat Coil Tubing Unit. Observe well. No flow on tubing or casing with no gas. Pick up drillstring and 114,000 lbs, drillstring still in tension. Displace well with 10.0 ppg Brine Water

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

10/17/2007		Daily Cost:	\$42,495
COMP		Cumulative Costs:	\$6,039,560
AFE:	257078	Present Operation:	Milling At 11,437'
DFS:	186	Mill at 11,437' (Float Valve) with metal cuttings ,rubber,spring from flapper and brass on returns. Milled 17 hours with Step Mill.TOH to change Motor and cut 1 1/4" Coil Tubing (50').Inspect Step Mill and only minor wear on nose. Reason for cutting 1 1/4' Coil Tubing was to change wear points.Make up 1.69" New Motor and Step Mill RR #1.TIH to 11,437'. Mill at 11,437' (Float Valve) with metal cuttings and rubber on returns.Step Mill RR # 1 has 6 hours as of 06:00 hrs.Total Hrs 23 hrs.	
10/17/2007		Depth	0 Daily Cost: \$320
DRLG		Progress	0 Cumulative Costs: \$6,039,560
AFE:	257078	Present Operation:	Milling At 11,437'
DFS:	186	Mill at 11,437' (Float Valve) with metal cuttings ,rubber,spring from flapper and brass on returns. Milled 17 hours with Step Mill.TOH to change Motor and cut 1 1/4" Coil Tubing (50').Inspect Step Mill and only minor wear on nose. Reason for cutting 1 1/4' Coil Tubing was to change wear points.Make up 1.69" New Motor and Step Mill RR #1.TIH to 11,437'. Mill at 11,437' (Float Valve) with metal cuttings and rubber on returns.Step Mill RR # 1 has 6 hours as of 06:00 hrs.Total Hrs 23 hrs.	
10/16/2007		Depth	15,220 Daily Cost: \$320
DRLG		Progress	0 Cumulative Costs: \$5,996,745
AFE:	257078	Present Operation:	Mill At 11,437' With Step Mill On Coil Tubing
DFS:	185	Mill with 1.85" Mill and Baker motor with 1 1/4" coil tubing at 11,437'(Float Valve) with some metal cuttings over shale shaker. Milled for 5 hours with this Mill.TOH to check condition of Mill and Motor.1.85" Mill had approximately 1/2" of wear on outside. Float valve is turning with Mill.Make up 1.98" Mill and 1.69" Motor. TIH to 11,437'.Mill at 11,437' and very small amount of metal on returns.Milled for 6 hours with this mill.TOH with 1.98" mill and very little wear.TIH with Step Mill,1.43" - 1.67" - 1.76" - 1.98". Mill at 11,437' with some metal cuttings and rubber on returns.Mill has 5 hours as of 06:00 hrs.	
10/16/2007		Daily Cost:	\$94,850
COMP		Cumulative Costs:	\$5,996,745
AFE:	257078	Present Operation:	Mill At 11,437' With Step Mill On Coil Tubing
DFS:	185	Mill with 1.85" Mill and Baker motor with 1 1/4" coil tubing at 11,437'(Float Valve) with some metal cuttings over shale shaker. Milled for 5 hours with this Mill.TOH to check condition of Mill and Motor.1.85" Mill had approximately 1/2" of wear on outside. Float valve is turning with Mill.Make up 1.98" Mill and 1.69" Motor. TIH to 11,437'.Mill at 11,437' and very small amount of metal on returns.Milled for 6 hours with this mill.TOH with 1.98" mill and very little wear.TIH with Step Mill,1.43" - 1.67" - 1.76" - 1.98". Mill at 11,437' with some metal cuttings and rubber on returns.Mill has 5 hours as of 06:00 hrs.	
10/15/2007		Daily Cost:	\$42,096
COMP		Cumulative Costs:	\$5,901,575
AFE:	257078	Present Operation:	Wash At 11,437' With Coil Tubing
DFS:	184	TOH with 2 7/8" tubing and check torque.TIH with 2 7/8" tubing. Continue pick up 2 7/8" tubing off pipe racks and TIH to 11,162'. Tag top of fish at 11,162'. Space out.Engage fish and make up screw in sub into fish.Pick up to 42,000 lbs over string weight. Rig up too circulate and rental TIW valve leaking.Attempt to circulate with another valve and cannot break circulation at 2300 psi. Rig up Bobcat coil tubing unit. Held safety meeting.Wait on replacement rental TIW valve. Continue rig up of Bobcat coil tubing unit.Test Coil tubing BOP to 2500 psi,test good.TIH with 1 1/4" Wash Down Tool and tag at 11,427' (Coil Tubing Depth).Set down 1000 lbs and 500 psi increase in pump pressure.Would not wash off.TOH with 1 1/4" Wash Down Tool.Make up 1.85" Mill and 1.69" Baker Motor.Tagged at 11,432'.Wash from 11,432' to 11,437'.	
10/15/2007		Depth	15,220 Daily Cost: \$320
DRLG		Progress	0 Cumulative Costs: \$5,901,575
AFE:	257078	Present Operation:	Wash At 11,437' With Coil Tubing
DFS:	184	TOH with 2 7/8" tubing and check torque.TIH with 2 7/8" tubing. Continue pick up 2 7/8" tubing off pipe racks and TIH to 11,162'. Tag top of fish at 11,162'. Space out.Engage fish and make up screw in sub into fish.Pick up to 42,000 lbs over string weight. Rig up too circulate and rental TIW valve leaking.Attempt to circulate with another valve and cannot break circulation at 2300 psi. Rig up Bobcat coil tubing unit. Held safety meeting.Wait on replacement rental TIW valve. Continue rig up of Bobcat coil tubing unit.Test Coil tubing BOP to 2500 psi,test good.TIH with 1 1/4" Wash Down Tool and tag at 11,427' (Coil Tubing Depth).Set down 1000 lbs and 500 psi increase in pump pressure.Would not wash off.TOH with 1 1/4" Wash Down Tool.Make up 1.85" Mill and 1.69" Baker Motor.Tagged at 11,432'.Wash from 11,432' to 11,437'.	
10/14/2007		Daily Cost:	\$47,125
COMP		Cumulative Costs:	\$5,859,159
AFE:	257078	Present Operation:	TIH With 2 7/8" Tubing Off Pipe Racks

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

DFS: 183 Continue to rig up Express wireline unit.TIH with CCL and string shot.Log on depth and made correction.Apply and work left hand torque.Back off at 11,162',one joint below crossover to recover all fishing tools.Pick up 10' and log again to confirm back off depth,depth correct.TOH with wireline.String shot fired,rig down Express wireline unit. Lay down 2 7/8" drill pipe pup joints and setback power swivel.Spot 75 bbls of 13.3 ppg mud in wellbore.Rig up Bull Rogers lay down/pick up unit. TOH and lay down 2 7/8" drillpipe . Slip and cut drilling line. Continue TOH and lay down 2 7/8" drillpipe .Lay down Smith fishing tools. Move 2 7/8" tubing 6.5 PPF - P-110 - EUE 8rd to pipe racks and strap.Pick up Crossover 2 7/8" EUE 8 rd box x 2 7/8" AOH pin. Pick up and TIH with 2 7/8" tubing and crossover.

10/14/2007 Depth 15,220 Daily Cost: \$320
 DRLG Progress 0 Cumulative Costs: \$5,859,159

AFE: 257078 Present Operation: TIH With 2 7/8" Tubing Off Pipe Racks

DFS: 183 Continue to rig up Express wireline unit.TIH with CCL and string shot.Log on depth and made correction.Apply and work left hand torque.Back off at 11,162',one joint below crossover to recover all fishing tools.Pick up 10' and log again to confirm back off depth,depth correct.TOH with wireline.String shot fired,rig down Express wireline unit. Lay down 2 7/8" drill pipe pup joints and setback power swivel.Spot 75 bbls of 13.3 ppg mud in wellbore.Rig up Bull Rogers lay down/pick up unit. TOH and lay down 2 7/8" drillpipe . Slip and cut drilling line. Continue TOH and lay down 2 7/8" drillpipe .Lay down Smith fishing tools. Move 2 7/8" tubing 6.5 PPF - P-110 - EUE 8rd to pipe racks and strap.Pick up Crossover 2 7/8" EUE 8 rd box x 2 7/8" AOH pin. Pick up and TIH with 2 7/8" tubing and crossover.

10/13/2007 Daily Cost: \$52,476
 COMP Cumulative Costs: \$5,811,714

AFE: 257078 Present Operation: Rig Up Wireline Unit

DFS: 182 Continue to circulate and wait on coil tubing unit personnel. Lay down 1 joint of 2 7/8" drillpipe and setback power swivel.Install safety vavle in drillpipe.Rig up Bobcat coil tubing unit. Weld connector on 1 1/4" coil tubing for National motor.Held safety meeting.Test coil tubing BOP to 2500 psi,test good. TIH with 1 1/4" coil tubing with 1.44" OD Motor and 1.47" OD Mill to 10,947' (Coil Tubing Depth).Tagged at 10,947' with mill (Drill Collar) TOH with coil tubing and mill.Break out tools.TIH with 1 1/4" coil tubing and mule shoe to 11,443'(Coil Tubing Depth). Unable to wash past 11,443' and unable to work past 11,443'.TOH with coil tubing.TIH with 1 1/4" Wash Down Tool and 1 1/4" coil tubing.Tagged at 11,443' and uable to wash or work past 11,443'.TOH with coil tubing.Rig down Bobcat coil tubing unit. Install v-door and ramp.Set in pipe racks.Pick up 1 joint of 2 7/8" drillpipe and pick up power swivel.Break circulation. Circulate and wait on wireline unit to back off drillpipe below fishing tools. Express wireline arrived on location.Lay down 1 joint and setback power swivel.Rig up wireline unit.

10/13/2007 Depth 15,220 Daily Cost: \$7,040
 DRLG Progress 0 Cumulative Costs: \$5,811,714

AFE: 257078 Present Operation: Rig Up Wireline Unit

DFS: 182 Continue to circulate and wait on coil tubing unit personnel. Lay down 1 joint of 2 7/8" drillpipe and setback power swivel.Install safety vavle in drillpipe.Rig up Bobcat coil tubing unit. Weld connector on 1 1/4" coil tubing for National motor.Held safety meeting.Test coil tubing BOP to 2500 psi,test good. TIH with 1 1/4" coil tubing with 1.44" OD Motor and 1.47" OD Mill to 10,947' (Coil Tubing Depth).Tagged at 10,947' with mill (Drill Collar) TOH with coil tubing and mill.Break out tools.TIH with 1 1/4" coil tubing and mule shoe to 11,443'(Coil Tubing Depth). Unable to wash past 11,443' and unable to work past 11,443'.TOH with coil tubing.TIH with 1 1/4" Wash Down Tool and 1 1/4" coil tubing.Tagged at 11,443' and uable to wash or work past 11,443'.TOH with coil tubing.Rig down Bobcat coil tubing unit. Install v-door and ramp.Set in pipe racks.Pick up 1 joint of 2 7/8" drillpipe and pick up power swivel.Break circulation. Circulate and wait on wireline unit to back off drillpipe below fishing tools. Express wireline arrived on location.Lay down 1 joint and setback power swivel.Rig up wireline unit.

10/12/2007 Daily Cost: \$48,462
 COMP Cumulative Costs: \$5,752,198

AFE: 257078 Present Operation: Wait On Coil Tubing Unit

DFS: 181 Continue to circulate and wait on vaccum truck to transfer oil to active system.Transfer oil to frac tank. Displace wellbore with live oil and drillstring in tension with no increase in casing pressure. Work and jar on fish to 250,000 lbs with no success and jar down with no success.Circulate while jarring at 4.7 bpm. Close blind rams and attempt to bullhead with no success,maximum pressure 2835 psi.Bled off pressure and open pipe rams. Circulate at reduced rate and keep drillstring in tension at 220,000 lbs.Displace oil with 9.2 ppg cut brine water. Wait on coil tubing unit.

10/12/2007 Depth 15,220 Daily Cost: \$4,549
 DRLG Progress 0 Cumulative Costs: \$5,752,198

AFE: 257078 Present Operation: Wait On Coil Tubing Unit

DFS: 181 Continue to circulate and wait on vaccum truck to transfer oil to active system.Transfer oil to frac tank. Displace wellbore with live oil and drillstring in tension with no increase in casing pressure. Work and jar on fish to 250,000 lbs with no success and jar down with no success.Circulate while jarring at 4.7 bpm. Close blind rams and attempt to bullhead with no success,maximum pressure 2835 psi.Bled off pressure and open pipe rams. Circulate at reduced rate and keep drillstring in tension at 220,000 lbs.Displace oil with 9.2 ppg cut brine water. Wait on coil tubing unit.

CIMAREX ENERGY CO**429825-007.01 CIMAREX UNIVERSITY 18-41A 1H**

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

10/11/2007		Daily Cost:	\$37,661
COMP		Cumulative Costs:	\$5,699,187
AFE:	257078	Present Operation:	Circulate And Wait On Orders
DFS:	180	TIH with fishing assembly and scribe.TIH with 2 7/8" drillpipe to 11,188'.Fill every 3 rows. Displace vertical section with 9.5 ppg cut Brine water. TIH to 11,356' (Casing).TOH 11,223'.Pick up power swivel and break circulation. Attempt to orient in to open hole with no success from 11,223' to 11,253'. Rig up Scientific Drilling.Circulate and TIH with Gyro and orient to 340° Azimuth.TIH into open hole to 11,285'.TOH with Gyro. TIH from 11,285' and orient into sidetrack.Wash from 11,285' to 11,454'.Engage fish and had 200 psi increase in pump pressure. Rig down wireline. Jar on fish from 120,000 lbs to 220,000 lbs.Jars are firing at 206,000 lbs.Made 6 inches only during jarring operations. Jar down on fish as well with no progress down.During jarring operations 2' to 3' lazy flare.At 04:00 hrs jar firing at 185,000 to 190,000 jar seals are probaly worn.Cease jarring operations and continue to circulate. Circulate and wait on orders.9.5 ppg in and 9.5 ppg out (Cut Brine Water).	
10/11/2007		Depth	15,220 Daily Cost:
DRLG		Progress	0 Cumulative Costs:
AFE:	257078	Present Operation:	Circulate And Wait On Orders
DFS:	180	TIH with fishing assembly and scribe.TIH with 2 7/8" drillpipe to 11,188'.Fill every 3 rows. Displace vertical section with 9.5 ppg cut Brine water. TIH to 11,356' (Casing).TOH 11,223'.Pick up power swivel and break circulation. Attempt to orient in to open hole with no success from 11,223' to 11,253'. Rig up Scientific Drilling.Circulate and TIH with Gyro and orient to 340° Azimuth.TIH into open hole to 11,285'.TOH with Gyro. TIH from 11,285' and orient into sidetrack.Wash from 11,285' to 11,454'.Engage fish and had 200 psi increase in pump pressure. Rig down wireline. Jar on fish from 120,000 lbs to 220,000 lbs.Jars are firing at 206,000 lbs.Made 6 inches only during jarring operations. Jar down on fish as well with no progress down.During jarring operations 2' to 3' lazy flare.At 04:00 hrs jar firing at 185,000 to 190,000 jar seals are probaly worn.Cease jarring operations and continue to circulate. Circulate and wait on orders.9.5 ppg in and 9.5 ppg out (Cut Brine Water).	
10/10/2007		Depth	15,220 Daily Cost:
DRLG		Progress	0 Cumulative Costs:
AFE:	257078	Present Operation:	TIH With Fishing Assembly At 5940'
DFS:	179	Make up 4 3/8" overshot on bent joint.TIH with fishing BHA and scribe.TIH with fishing assembly and 2 7/8" drillpipe. Fill up every 3 rows. Attempt to break circulation to displace.Drillpipe pressure at 3500 psi with only 1.9 bbls pumped.Troubleshoot all surface equipment and found no problems with surface equipment. Due to gas bubble while tripping in the hole.Bullhead 55 bbls down casing .Fill trip tank. TOH with fishing assembly to confirm problem with drillpipe pressure.Attempt to circulate at 6609' with no success. Approximately 1' of fill on top of float (Rust).Clean and install float. TIH with fishing assembly and scribe.TIH with 2 7/8" drillpipe.Fill every 3 rows.	
10/10/2007		Daily Cost:	\$47,329
COMP		Cumulative Costs:	\$5,661,206
AFE:	257078	Present Operation:	TIH With Fishing Assembly At 5940'
DFS:	179	Make up 4 3/8" overshot on bent joint.TIH with fishing BHA and scribe.TIH with fishing assembly and 2 7/8" drillpipe. Fill up every 3 rows. Attempt to break circulation to displace.Drillpipe pressure at 3500 psi with only 1.9 bbls pumped.Troubleshoot all surface equipment and found no problems with surface equipment. Due to gas bubble while tripping in the hole.Bullhead 55 bbls down casing .Fill trip tank. TOH with fishing assembly to confirm problem with drillpipe pressure.Attempt to circulate at 6609' with no success. Approximately 1' of fill on top of float (Rust).Clean and install float. TIH with fishing assembly and scribe.TIH with 2 7/8" drillpipe.Fill every 3 rows.	
10/09/2007		Daily Cost:	\$51,563
COMP		Cumulative Costs:	\$5,613,557
AFE:	257078	Present Operation:	Pick Up Bent Joint
DFS:	178	Continue to attempt to orient into Sidetrack at 11,325'.Work drillstring from 11,307' to 11,498'(First Hole) with no success. Attempt to wash at 11,498' with no success.Attempt to orient and work drillstring from 11,283' to 11,345' with no success. Attempt engage at 11,498' with overshot with no success.During circulation 3' to 8' lazy flare and traces of oil on returns. Lay down 2 joints of 2 7/8" drillpipe and setback power swivel.TOH to 11,183'. Displace vertical section with 13.3 ppg WBM. TOH with fishing assembly and 2 7/8" drillpipe (SLM).Inspect overshot and no damage to overshot.Replace float in float sub.Joint count was correct.Lay down and inspect bent joint.	
10/09/2007		Depth	15,220 Daily Cost:
DRLG		Progress	0 Cumulative Costs:
AFE:	257078	Present Operation:	Pick Up Bent Joint
DFS:	178	Continue to attempt to orient into Sidetrack at 11,325'.Work drillstring from 11,307' to 11,498'(First Hole) with no success. Attempt to wash at 11,498' with no success.Attempt to orient and work drillstring from 11,283' to 11,345' with no success. Attempt engage at 11,498' with overshot with no success.During circulation 3' to 8' lazy flare and traces of oil on returns. Lay down 2 joints of 2 7/8" drillpipe and setback power swivel.TOH to 11,183'. Displace vertical section with 13.3 ppg WBM. TOH with fishing assembly and 2 7/8" drillpipe (SLM).Inspect overshot and no damage to overshot.Replace float in float sub.Joint count was correct.Lay down and inspect bent joint.	

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

10/08/2007		Daily Cost:	\$33,477
COMP		Cumulative Costs:	\$5,559,888
AFE:	257078	Present Operation:	TOH To Orient Into Sidetrack
DFS:	177	Pick up and make up fishing tools.TIH with 2 7/8" replacement drillpipe from pipe racks and fishing assembly to 11,156'. Install bearing pack. Displace vertical section with 9.6 ppg cut Brine water. TIH from 11,156' to 11,220'.Pick up power swivel. Work 4 3/8" overshot into open hole.TIH with power swivel from 11,220' to 11,358'.Tagged at 11,243'.Wash from 11,358' to 11,460'. Circulate bottoms up. TIH to 11,498' which is the first hole with mud motor. TOH to orient into Sidetrack at 11,325'.	
10/08/2007		Depth	15,220 Daily Cost: \$320
DRLG		Progress	0 Cumulative Costs: \$5,559,888
AFE:	257078	Present Operation:	TOH To Orient Into Sidetrack
DFS:	177	Pick up and make up fishing tools.TIH with 2 7/8" replacement drillpipe from pipe racks and fishing assembly to 11,156'. Install bearing pack. Displace vertical section with 9.6 ppg cut Brine water. TIH from 11,156' to 11,220'.Pick up power swivel. Work 4 3/8" overshot into open hole.TIH with power swivel from 11,220' to 11,358'.Tagged at 11,243'.Wash from 11,358' to 11,460'. Circulate bottoms up. TIH to 11,498' which is the first hole with mud motor. TOH to orient into Sidetrack at 11,325'.	
10/07/2007		Depth	15,220 Daily Cost: \$320
DRLG		Progress	0 Cumulative Costs: \$5,526,091
AFE:	257078	Present Operation:	Move Fishing Tools To Rig Floor
DFS:	176	Continue to mill at 11,254' with no success.Made no hole.Lost weight on mill 4000 lbs.TIH to 11,292' with no problem. Setback power swivel.TIH to 11,576' with no problem and in 5 1/2" casing. Circulate and spot 100 bbls of mud. TOH with mill assembly.Lay down 2 7/8" drillpipe on racks because of thin boxes on tool joints (Wear).No drag from 11,254' to 11,225'. Rig up lay down unit. Continue TOH laying down 2 7/8" drillstring.Break out and lay down mills,boot baskets,and 4 3/4" stabilizer. Wear on window mill only on OD.Two very small pieces of metal in bottom boot basket. TIH and lay down drillpipe from derrick.Break subs from power swivel.Make up replacement subs.Change out safety valves and subs. Confirm replacement drillpipe count.Move replacement 2 7/8" drillpipe (100 Joints) to racks and strap same. Bend a joint of drillpipe.Previous bent joint had a bad box.	
10/07/2007		Daily Cost:	\$27,413
COMP		Cumulative Costs:	\$5,526,091
AFE:	257078	Present Operation:	Move Fishing Tools To Rig Floor
DFS:	176	Continue to mill at 11,254' with no success.Made no hole.Lost weight on mill 4000 lbs.TIH to 11,292' with no problem. Setback power swivel.TIH to 11,576' with no problem and in 5 1/2" casing. Circulate and spot 100 bbls of mud. TOH with mill assembly.Lay down 2 7/8" drillpipe on racks because of thin boxes on tool joints (Wear).No drag from 11,254' to 11,225'. Rig up lay down unit. Continue TOH laying down 2 7/8" drillstring.Break out and lay down mills,boot baskets,and 4 3/4" stabilizer. Wear on window mill only on OD.Two very small pieces of metal in bottom boot basket. TIH and lay down drillpipe from derrick.Break subs from power swivel.Make up replacement subs.Change out safety valves and subs. Confirm replacement drillpipe count.Move replacement 2 7/8" drillpipe (100 Joints) to racks and strap same. Bend a joint of drillpipe.Previous bent joint had a bad box.	
10/06/2007		Daily Cost:	\$33,509
COMP		Cumulative Costs:	\$5,498,358
AFE:	257078	Present Operation:	Mill At 11,254'
DFS:	175	Continue TOH with mill assembly slowly due to junk around watermelon mill which causes drag or overpull. Rotate with power tongs each time that overpull is encountered.No further drag after 623'.Break out and inspect window mill. Make up new 4 3/4" window mill and 2 ea boot baskets.TIH with mill assembly to 11,011'.Fill up drillstring every 3 rows. Cut and slip drilling line. Continue TIH with mill assembly to 11,229'.Pick up power swivel.Break circulation.TIH with power swivel without rotation to 11,254' with no problems.Work boot baskets. Mill at 11,254' with no progress.At times some torque with 4000 lbs to 6000 lbs weight on mill.	
10/06/2007		Depth	15,220 Daily Cost: \$2,431
DRLG		Progress	0 Cumulative Costs: \$5,498,358
AFE:	257078	Present Operation:	Mill At 11,254'
DFS:	175	Continue TOH with mill assembly slowly due to junk around watermelon mill which causes drag or overpull. Rotate with power tongs each time that overpull is encountered.No further drag after 623'.Break out and inspect window mill. Make up new 4 3/4" window mill and 2 ea boot baskets.TIH with mill assembly to 11,011'.Fill up drillstring every 3 rows. Cut and slip drilling line. Continue TIH with mill assembly to 11,229'.Pick up power swivel.Break circulation.TIH with power swivel without rotation to 11,254' with no problems.Work boot baskets. Mill at 11,254' with no progress.At times some torque with 4000 lbs to 6000 lbs weight on mill.	
10/05/2007		Daily Cost:	\$32,577
COMP		Cumulative Costs:	\$5,462,418
AFE:	257078	Present Operation:	TOH With Mill Assembly At 7416'

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

DFS: 174 Repair hydraulic hose on transmission. Continue TIH with mill assembly to 11,192'. Fill drillstring every 3 rows. Pick up power swivel. TIH from 11,192' to 11,239.5'. Tagged at 11,239.5'. Break circulation. Mill from 11,239.5' to 11,241'. Rotate from 11,241' to 11,254' with very little torque. Rotate and work mills from 11,254' to 11,225' to clean up casing, at times high torque and drag. CIBP at 11,259'. Attempt to mill at 11,254' with no success, window mill may be worn. Pick up to 11,225' with no problem. TIH with power swivel from 11,225' to 11,254' without rotating with no problem. Spot 100 bbls of 13.9 ppg WBM. TOH from 11,254' to 11,225' without rotating with no problem. Lay down 1 joint of 2 7/8" drillpipe and setback power swivel. TOH with mill assembly slowly due to junk around watermelon mill which causes drag or overpull. Overpull first occurred at 11,037'. Rotate with power tongs each time that overpull is encountered.

10/05/2007 Depth 15,220 Daily Cost: \$4,067
 DRLG Progress 0 Cumulative Costs: \$5,462,418

AFE: 257078 Present Operation: TOH With Mill Assembly At 7416'

DFS: 174 Repair hydraulic hose on transmission. Continue TIH with mill assembly to 11,192'. Fill drillstring every 3 rows. Pick up power swivel. TIH from 11,192' to 11,239.5'. Tagged at 11,239.5'. Break circulation. Mill from 11,239.5' to 11,241'. Rotate from 11,241' to 11,254' with very little torque. Rotate and work mills from 11,254' to 11,225' to clean up casing, at times high torque and drag. CIBP at 11,259'. Attempt to mill at 11,254' with no success, window mill may be worn. Pick up to 11,225' with no problem. TIH with power swivel from 11,225' to 11,254' without rotating with no problem. Spot 100 bbls of 13.9 ppg WBM. TOH from 11,254' to 11,225' without rotating with no problem. Lay down 1 joint of 2 7/8" drillpipe and setback power swivel. TOH with mill assembly slowly due to junk around watermelon mill which causes drag or overpull. Overpull first occurred at 11,037'. Rotate with power tongs each time that overpull is encountered.

10/04/2007 Depth 15,220 Daily Cost: \$4,639
 DRLG Progress 0 Cumulative Costs: \$5,425,774

AFE: 257078 Present Operation: Wait On O-Ring For Hose On Rig Transmission

DFS: 173 Lay down fishing tools. 4 3/8" overshot had wear in first part of 3" grapple, possible sliver of casing. Pick up and make up 4 3/4" mill assembly. TIH with 4 3/4" mill assembly and 2 7/8" drillpipe to 11,219'. Fill up every 3 rows. Pick up power swivel. TIH with power swivel from 11,219' and tagged at 11,238'. Broke circulation and milled from 11,238' to 11,239.5'. Torque was at 2000 ft/lbs during milling operations, sometimes would increase by 50 ft/lbs with 8000 lbs weight on mill. After 11,239' made no further progress with mill. No increase in drag when picking up. Circulate bottoms up. Spot 100 bbls of 13.9 ppg WBM. Setback power swivel and lay down 1 joint of 2 7/8" drillpipe. TOH with 4 3/4" mill assembly. Inspect taper mill for wear pattern. Taper mill was worn on nose about 1" and belled out. Inside of nose of Taper mill was a piece of metal 6 3/8" long with 3 1/2" of threads. Please see photos sent to Dee Smith. Pick up and make up 4 3/4" mill assembly. TIH with 4 3/4" mill assembly and 2 7/8" drillpipe. Bad hydraulic hose on rig transmission. Wait on o-ring and transmission oil.

10/04/2007 Daily Cost: \$27,413
 COMP Cumulative Costs: \$5,425,774

AFE: 257078 Present Operation: Wait On O-Ring For Hose On Rig Transmission

DFS: 173 Lay down fishing tools. 4 3/8" overshot had wear in first part of 3" grapple, possible sliver of casing. Pick up and make up 4 3/4" mill assembly. TIH with 4 3/4" mill assembly and 2 7/8" drillpipe to 11,219'. Fill up every 3 rows. Pick up power swivel. TIH with power swivel from 11,219' and tagged at 11,238'. Broke circulation and milled from 11,238' to 11,239.5'. Torque was at 2000 ft/lbs during milling operations, sometimes would increase by 50 ft/lbs with 8000 lbs weight on mill. After 11,239' made no further progress with mill. No increase in drag when picking up. Circulate bottoms up. Spot 100 bbls of 13.9 ppg WBM. Setback power swivel and lay down 1 joint of 2 7/8" drillpipe. TOH with 4 3/4" mill assembly. Inspect taper mill for wear pattern. Taper mill was worn on nose about 1" and belled out. Inside of nose of Taper mill was a piece of metal 6 3/8" long with 3 1/2" of threads. Please see photos sent to Dee Smith. Pick up and make up 4 3/4" mill assembly. TIH with 4 3/4" mill assembly and 2 7/8" drillpipe. Bad hydraulic hose on rig transmission. Wait on o-ring and transmission oil.

10/03/2007 Daily Cost: \$35,401
 COMP Cumulative Costs: \$5,393,722

AFE: 257078 Present Operation: TOH With 4 3/8" Overshot

DFS: 172 Trip Out Hole To 6645'. Replace transmission on rig. Continue TOH with 4 3/8" overshot.

10/03/2007 Depth 15,220 Daily Cost: \$320
 DRLG Progress 0 Cumulative Costs: \$5,393,722

AFE: 257078 Present Operation: TOH With 4 3/8" Overshot

DFS: 172 Trip Out Hole To 6645'. Replace transmission on rig. Continue TOH with 4 3/8" overshot.

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

10/02/2007		Daily Cost:	\$41,094
COMP		Cumulative Costs:	\$5,358,001
AFE: 257078	Present Operation:	TOH To Repair Transmission On Unit	
DFS: 171	Trip In Hole W/4 3/8" Short Catch Overshot & 3" Grapple Attempt To Get Into Old Window @ 11,252' (No Success) Trip Out Hole To Bend Bottom Jt. More. Service Rig Trip Out Hole To Bend Bottom Jt. More. Trip In Hole W/4 3/8" Short Catch Overshot & 3" Grapple Attempt To Get Into Old Window @ 11,239' To 11,243'. Setting down on something @ 11,239'. Fill Trip Tank & Trip Out Hole To Repair Transmission On Unit.		
10/02/2007	Depth	15,220	Daily Cost: \$4,977
DRLG	Progress	0	Cumulative Costs: \$5,358,001
AFE: 257078	Present Operation:	TOH To Repair Transmission On Unit	
DFS: 171	Trip In Hole W/4 3/8" Short Catch Overshot & 3" Grapple Attempt To Get Into Old Window @ 11,252' (No Success) Trip Out Hole To Bend Bottom Jt. More. Service Rig Trip Out Hole To Bend Bottom Jt. More. Trip In Hole W/4 3/8" Short Catch Overshot & 3" Grapple Attempt To Get Into Old Window @ 11,239' To 11,243'. Setting down on something @ 11,239'. Fill Trip Tank & Trip Out Hole To Repair Transmission On Unit.		
10/01/2007	Depth	15,220	Daily Cost: \$320
DRLG	Progress	0	Cumulative Costs: \$5,311,930
AFE: 257078	Present Operation:	TIH W/ 4 3/8" OverShot	
DFS: 170	TIH W/ Hook To Fish For Whip stock. Fishing For 4 1/2" Whip stock W / Hook. Hooked Onto Fish. TOH W/ Fish. Service Rig TOH W/ Fish. (Recovered Whip stock) Pick up Overshot & Jars Wait On Float Sub Trip In Hole W/4 3/8" Short Catch Overshot & 3" Grapple Service Rig Trip In Hole W/4 3/8" Short Catch Overshot & 3" Grapple		
10/01/2007		Daily Cost:	\$29,702
COMP		Cumulative Costs:	\$5,311,930
AFE: 257078	Present Operation:	TIH W/ 4 3/8" OverShot	
DFS: 170	TIH W/ Hook To Fish For Whip stock. Fishing For 4 1/2" Whip stock W / Hook. Hooked Onto Fish. TOH W/ Fish. Service Rig TOH W/ Fish. (Recovered Whip stock) Pick up Overshot & Jars Wait On Float Sub Trip In Hole W/4 3/8" Short Catch Overshot & 3" Grapple Service Rig Trip In Hole W/4 3/8" Short Catch Overshot & 3" Grapple		
09/30/2007		Daily Cost:	\$37,376
COMP		Cumulative Costs:	\$5,281,908
AFE: 257078	Present Operation:	Trip In Hole With Grab Hook	
DFS: 169	Trip In Hole With 45/8 Bit / Tag up / Pick Up Swivel Wash & Ream Replace Swivel Packing Continue To Wash & Ream to 11270 FT. Set Swivel Back & Trip Out Of Hole To 11150 Displace Hole With 14# Mud - 10# brine Finish Trip Out Of Hole Break Bit Off & Pick Up Fishing Tools / UBHO Sub / Grab hook Assembly Trip In Hole With Fishing Tools		
09/30/2007	Depth	0	Daily Cost: \$320
DRLG	Progress	0	Cumulative Costs: \$5,281,908
AFE: 257078	Present Operation:	Trip In Hole With Grab Hook	
DFS: 169	Trip In Hole With 45/8 Bit / Tag up / Pick Up Swivel Wash & Ream Replace Swivel Packing Continue To Wash & Ream to 11270 FT. Set Swivel Back & Trip Out Of Hole To 11150 Displace Hole With 14# Mud - 10# brine Finish Trip Out Of Hole Break Bit Off & Pick Up Fishing Tools / UBHO Sub / Grab hook Assembly Trip In Hole With Fishing Tools		
09/29/2007		Daily Cost:	\$28,101
COMP		Cumulative Costs:	\$5,244,212
AFE: 257078	Present Operation:	Trip In Hole With 4 5/8 Bit	
DFS: 168	Trip In Hole With Shoe & 1 JT. Washpipe Pick Up Swivel & Start Circ Wash Over Fish From 11244 To 11272 Trip Out Of Hole With Washpipe Lay Down Shoe & Washpipe Pick Up Bit Sub & bit		
09/29/2007	Depth	15,220	Daily Cost: \$2,165
DRLG	Progress	0	Cumulative Costs: \$5,244,212
AFE: 257078	Present Operation:	Trip In Hole With 4 5/8 Bit	
DFS: 168	Trip In Hole With Shoe & 1 JT. Washpipe Pick Up Swivel & Start Circ Wash Over Fish From 11244 To 11272 Trip Out Of Hole With Washpipe Lay Down Shoe & Washpipe Pick Up Bit Sub & bit		

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

09/28/2007	Depth	15,220	Daily Cost:	\$320
DRLG	Progress	0	Cumulative Costs:	\$5,213,946
AFE: 257078	Present Operation: TIH TO WASH OVER FISH			
DFS: 167	TOH To Look @ Overshot. Lay Dn. Overshot & Jars. Pick -Up 4 5/8" Box Tap. Trip in Hole To Fish For WhipStock Assembly. (Fill Every 3 Rows) Service Rig Fish For Whipstock Assembly W/ 4 5/8 Box Tap TOH To Look @ Box Tap. Cut Drlg. Line TOH To Look @ Box Tap. Lay Down Box Tap & Pick Up Wash Pipe & Jars TIH With Shoe Wash Pipe & Jars			
09/28/2007			Daily Cost:	\$27,615
COMP			Cumulative Costs:	\$5,213,946
AFE: 257078	Present Operation: TIH TO WASH OVER FISH			
DFS: 167	TOH To Look @ Overshot. Lay Dn. Overshot & Jars. Pick -Up 4 5/8" Box Tap. Trip in Hole To Fish For WhipStock Assembly. (Fill Every 3 Rows) Service Rig Fish For Whipstock Assembly W/ 4 5/8 Box Tap TOH To Look @ Box Tap. Cut Drlg. Line TOH To Look @ Box Tap. Lay Down Box Tap & Pick Up Wash Pipe & Jars TIH With Shoe Wash Pipe & Jars			
09/27/2007			Daily Cost:	\$32,404
COMP			Cumulative Costs:	\$5,186,011
AFE: 257078	Present Operation: TOH WITH OVERSHOT			
DFS: 166	Trip in Hole To Fish For WhipStock Assembly. (Fill Every 3 Rows) Fish For Whipstock Assembly. Overshot Going over the Fish But Not Biting. TOH To Lay to Put Smaller Grapple (4 1/2") In Overshot. Trip in Hole To Fish For WhipStock Assembly. (Fill Every 3 Rows) Fish For Whipstock Assembly. Overshot Went Over Fish , Pulled 30,000 Over 1 Time Than Grapple Quit Biting TOH To Look @ Overshot.			
09/27/2007	Depth	15,220	Daily Cost:	\$6,775
DRLG	Progress	0	Cumulative Costs:	\$5,186,011
AFE: 257078	Present Operation: TOH WITH OVERSHOT			
DFS: 166	Trip in Hole To Fish For WhipStock Assembly. (Fill Every 3 Rows) Fish For Whipstock Assembly. Overshot Going over the Fish But Not Biting. TOH To Lay to Put Smaller Grapple (4 1/2") In Overshot. Trip in Hole To Fish For WhipStock Assembly. (Fill Every 3 Rows) Fish For Whipstock Assembly. Overshot Went Over Fish , Pulled 30,000 Over 1 Time Than Grapple Quit Biting TOH To Look @ Overshot.			
09/26/2007			Daily Cost:	\$28,348
COMP			Cumulative Costs:	\$5,146,832
AFE: 257078	Present Operation: TIH W / 4 5/8 Overshot			
DFS: 165	Wait on Tools Pick -Up 4 5/8" OD X 3 5/8 ID Shoe - 1Jt 4 1/2" Washpipe & Oil Jars. Trip in Hole To Wash Over WhipStock. (Fill Every 3 Rows) Cut Over Top Of Whip Stock W/ 4 5/8" Shoe. Cut Over 3'. TOH To Lay Dn. Shoe & Washpipe. Lay Dn. Shoe & Washpipe Pick -Up 4 5/8" Overshot. Trip in Hole To Fish For WhipStock Assembly. (Fill Every 3 Rows)			
09/26/2007	Depth	15,220	Daily Cost:	\$320
DRLG	Progress	0	Cumulative Costs:	\$5,146,832
AFE: 257078	Present Operation: TIH W / 4 5/8 Overshot			
DFS: 165	Wait on Tools Pick -Up 4 5/8" OD X 3 5/8 ID Shoe - 1Jt 4 1/2" Washpipe & Oil Jars. Trip in Hole To Wash Over WhipStock. (Fill Every 3 Rows) Cut Over Top Of Whip Stock W/ 4 5/8" Shoe. Cut Over 3'. TOH To Lay Dn. Shoe & Washpipe. Lay Dn. Shoe & Washpipe Pick -Up 4 5/8" Overshot. Trip in Hole To Fish For WhipStock Assembly. (Fill Every 3 Rows)			
09/25/2007	Depth	15,220	Daily Cost:	\$320
DRLG	Progress	0	Cumulative Costs:	\$5,118,164
AFE: 257078	Present Operation: Wait On Tools			
DFS: 164	TOH To Lay Dn. 4 3/4" Tapered Mill (Lay Dn. Tools) Pick Up 4 3/4 Box Tap & Bumper Sub TIH To 11,245' (Fill Every 3 Rows) Fish For Whipstock Assembly TOH To Check 4 3/4" Box Tap (Lay Dn. Tools) Did Not Catch Fish Wait on Tools			
09/25/2007			Daily Cost:	\$27,350
COMP			Cumulative Costs:	\$5,118,164
AFE: 257078	Present Operation: Wait on Tools			
DFS: 164	TOH To Lay Dn. 4 3/4" Tapered Mill (Lay Dn. Tools) Pick Up 4 3/4 Box Tap & Bumper Sub TIH To 11,245' (Fill Every 3 Rows) Fish For Whipstock Assembly TOH To Check 4 3/4" Box Tap (Lay Dn. Tools) Did Not Catch Fish Wait on Tools			

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

09/24/2007		Daily Cost:	\$32,897
COMP		Cumulative Costs:	\$5,090,494
AFE:	257078	Present Operation:	TOH To Lay Dn. 4 3/4 Mill
DFS:	163	TOH To Look @ 4 3/4" Tapered Mill Cut Drilling Line TOH To Look @ 4 3/4" Tapered Mill (Lay Dn. Mill) Service Rig Pick Up New 4 3/4 Tapered Mill & TIH (Fill Every 3 Rows) Ream Thru Window From 11,245 To 11,251' Drilling New Formation Displace 9.3 Brine W /14# Mud In Vertical Section TOH To Lay Dn. 4 3/4" Tapered Mill	
09/24/2007		Depth	15,220 Daily Cost: \$1,265
DRLG		Progress	0 Cumulative Costs: \$5,090,494
AFE:	257078	Present Operation:	TOH To Lay Dn. 4 3/4 Mill
DFS:	163	TOH To Look @ 4 3/4" Tapered Mill Cut Drilling Line TOH To Look @ 4 3/4" Tapered Mill (Lay Dn. Mill) Service Rig Pick Up New 4 3/4 Tapered Mill & TIH (Fill Every 3 Rows) Ream Thru Window From 11,245 To 11,251' Drilling New Formation Displace 9.3 Brine W /14# Mud In Vertical Section TOH To Lay Dn. 4 3/4" Tapered Mill	
09/23/2007		Daily Cost:	\$27,350
COMP		Cumulative Costs:	\$5,056,332
AFE:	257078	Present Operation:	TOH W/4 3/4" Tapered Mill
DFS:	162	TIH with replacement Gyro and take seats. Orient Whipstock & Set - TOH W / Wireline. Rig Down Wireline Truck. TOH To Pick Up 4 3/4" Tapered Mill & 4 3/4" Watermelon Reamer. Pick - up 4 3/4" Taper Tap & 4 3/4 " Water melon Reamer. Trip In Hole W/Same Filling DP Every 3 Rows. Reaming Thru Window From 11,242 ' TO 11,245'. (Mill Quit Cutting) TOH To Look @ 4 3/4" Tapered Mill	
09/23/2007		Depth	15,220 Daily Cost: \$7,107
DRLG		Progress	0 Cumulative Costs: \$5,056,332
AFE:	257078	Present Operation:	TOH W/4 3/4" Tapered Mill
DFS:	162	TIH with replacement Gyro and take seats. Orient Whipstock & Set - TOH W / Wireline. Rig Down Wireline Truck. TOH To Pick Up 4 3/4" Tapered Mill & 4 3/4" Watermelon Reamer. Pick - up 4 3/4" Taper Tap & 4 3/4 " Water melon Reamer. Trip In Hole W/Same Filling DP Every 3 Rows. Reaming Thru Window From 11,242 ' TO 11,245'. (Mill Quit Cutting) TOH To Look @ 4 3/4" Tapered Mill	
09/22/2007		Daily Cost:	\$88,201
COMP		Cumulative Costs:	\$5,021,875
AFE:	257078	Present Operation:	Take Seats With Gyro
DFS:	161	Continue TOH with fishing assembly and whipstock.Lay down whipstock and fishing tools. Wait on Weatherford Whipstock.Build additional mud volume to 14.0 ppg.Whipstock arrived on location at 11:30 hrs. Pick up and make up Weatherford Whipstock.TIH with Whipstock and 2 7/8" drillpipe from derrick (SLM). Pick up power swivel.Held safety meeting and rig up Scientific Drilling wireline unit.TIH with Gyro and take seats. Work drillstring and take seats.Seats vary too much.TO H with Gyro to replace Gyro to confirm seats are correct. TIH with replacement Gyro and take seats.	
09/21/2007		Daily Cost:	\$26,300
COMP		Cumulative Costs:	\$4,933,674
AFE:	257078	Present Operation:	TOH With Fishing Assembly
DFS:	160	Continue TOH with fishing assemblyBreak out and inspect 4 5/8" shoe. Make up 4 11/16" Short Catch Overshot with 3" Grapple.TIH with fishing assembly to 6060'.Fill drillstring at 3000' - 6060' Install bearing pack at 6060'. Displace Vertical section at 6060' with 9.7 ppg Brine water,well not flowing after displacement. Continue TIH with fishing assembly and 2 7/8" drillpipe to 11,214'.Fill drillstring at 9100' - 11,214'. Tagged at 11,237'. Displace Vertical section at 11,214' with 9.7 ppg Brine water with gas on returns,3' to 6' lazy flare.No back pressure required. Pick up power swivel.Attempt to TIH and drillstring taking weight at 11,215'.Pick up drillstring and 10,000 lbs to 12,000 lbs of drag. TOH to 11,151' and attempt to slack off with drillstring taking weight and drag.It appears that the overshot has engaged whipstock. Build mud weight to 14.0 ppg in mud farm to displace. Displace 9.7 ppg Brine Water in vertical section with 14.0 ppg WBM. TOH with fishing assembly and whipstock.	
09/20/2007		Daily Cost:	\$32,856
COMP		Cumulative Costs:	\$4,907,374
AFE:	257078	Present Operation:	TOH With Fishing Assembly
DFS:	159	Complete change out of 4 " valve on Frac tank. Displace Vertical section at 6020' with 9.7 ppg Brine water,well not flowing after displacement. Continue TIH with fishing assembly and 2 7/8" drillpipe to 11,205'.Fill drillstring at 9100' - 11,205' Displace Vertical section at 11,205' with 9.7 ppg Brine water with gas on returns,3' to 6' lazy flare.No back pressure required. TIH from 11,205' to 11,391' with no hole problems.Well not flowing. Pick up power swivel.Wash from 11,391' to 11,440'.3' to 8' lazy flare.Tagged at 11,440'. Wash and ream from 11,440' to 11,466'.3' to 8' lazy flare.Tagged at 11,462'. Mill from 11,466' to 11,467'. During milling operations 3' to 6' lazy flare.Metal cuttings on ditch magnet. Pump 30 bbl high - vis sweep and circulate hole clean.Additional metal cuttings on ditch magnet after return of high - vis sweep. Lay down 2 joints of 2 7/8" drillpipe.Setback power swivel.TO H to 11,174' with no hole problems. Displace 9.7 ppg Brine Water in vertical section with 14.0 ppg WBM. TOH with fishing assembly.	

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

09/20/2007 Depth 15,220 Daily Cost: \$7,253
 DRLG Progress 0 Cumulative Costs: \$4,907,374
 AFE: 257078 Present Operation: TOH With Fishing Assembly
 DFS: 159 Complete change out of 4 " valve on Frac tank. Displace Vertical section at 6020' with 9.7 ppg Brine water, well not flowing after displacement. Continue TIH with fishing assembly and 2 7/8" drillpipe to 11,205'. Fill drillstring at 9100' - 11,205' Displace Vertical section at 11,205' with 9.7 ppg Brine water with gas on returns, 3' to 6' lazy flare. No back pressure required. TIH from 11,205' to 11,391' with no hole problems. Well not flowing. Pick up power swivel. Wash from 11,391' to 11,440'. 3' to 8' lazy flare. Tagged at 11,440'. Wash and ream from 11,440' to 11,466'. 3' to 8' lazy flare. Tagged at 11,462'. Mill from 11,466' to 11,467'. During milling operations 3' to 6' lazy flare. Metal cuttings on ditch magnet. Pump 30 bbl high - vis sweep and circulate hole clean. Additional metal cuttings on ditch magnet after return of high - vis sweep. Lay down 2 joints of 2 7/8" drillpipe. Setback power swivel. TOH to 11,174' with no hole problems. Displace 9.7 ppg Brine Water in vertical section with 14.0 ppg WBM. TOH with fishing assembly.

09/19/2007 Daily Cost: \$27,350
 COMP Cumulative Costs: \$4,867,265
 AFE: 257078 Present Operation: Change Out 4" Valve On Frac Tank
 DFS: 158 Displace Vertical section at 11,224' with 9.7 ppg Brine water with no gas or oil on returns. No back pressure required. Lower Brine water weight from 9.7 ppg to 8.7 ppg. Well started to flow. SICP 625 psi. TIH from 11,224' to 11,412' with no hole problems. Pick up power swivel. Wash from 11,412' to 11,440'. Circulate to displace mud in open hole. Oil on returns and 6' to 10' lazy flare. Wash from 11,440' to 11,466' (Top of Fish). Engage and set grapple. Attempt to work fish but at 30,000 lbs over string weight, grapple releases. All other attempts grapple releases at 10,000 lbs over string weight. Circulate hole clean for TOH. Setback power swivel. Lay down 2 joints of 2 7/8" drillpipe. TOH from 11,466' to 11,224' with no problems. Displace 8.7 ppg Cut Brine Water in vertical section with 14.0 ppg WBM. TOH with fishing assembly. Break out and inspect Spear grapple. Does not show signs of being in fish. Make up 4 5/8" OD x 3 1/6" ID Kutrite Shoe. TIH with fishing assembly to 6020'. Change out bad 4" valve on Frac tank that holds 14.0 ppg mud.

09/19/2007 Depth 15,220 Daily Cost: \$4,522
 DRLG Progress 0 Cumulative Costs: \$4,867,265
 AFE: 257078 Present Operation: Change Out 4" Valve On Frac Tank
 DFS: 158 Displace Vertical section at 11,224' with 9.7 ppg Brine water with no gas or oil on returns. No back pressure required. Lower Brine water weight from 9.7 ppg to 8.7 ppg. Well started to flow. SICP 625 psi. TIH from 11,224' to 11,412' with no hole problems. Pick up power swivel. Wash from 11,412' to 11,440'. Circulate to displace mud in open hole. Oil on returns and 6' to 10' lazy flare. Wash from 11,440' to 11,466' (Top of Fish). Engage and set grapple. Attempt to work fish but at 30,000 lbs over string weight, grapple releases. All other attempts grapple releases at 10,000 lbs over string weight. Circulate hole clean for TOH. Setback power swivel. Lay down 2 joints of 2 7/8" drillpipe. TOH from 11,466' to 11,224' with no problems. Displace 8.7 ppg Cut Brine Water in vertical section with 14.0 ppg WBM. TOH with fishing assembly. Break out and inspect Spear grapple. Does not show signs of being in fish. Make up 4 5/8" OD x 3 1/6" ID Kutrite Shoe. TIH with fishing assembly to 6020'. Change out bad 4" valve on Frac tank that holds 14.0 ppg mud.

09/18/2007 Daily Cost: \$27,726
 COMP Cumulative Costs: \$4,835,393
 AFE: 257078 Present Operation: Displace Vertical Section At 11,224'
 DFS: 157 Fill trip tank. TOH with fishing assembly. Lay down bad Accelerator jar. Jar was never in use in setting spear grapple. Spear grapple did have signs of wear. Monitor well. Wait on replacement Accelerator jar. TIH with fishing assembly and make up new Accelerator jar. Spear grapple is 2.516". Replacement Accelerator jar is bad. Lay down Accelerator jar. Monitor well. Wait on replacement Accelerator jar. TIH with fishing assembly and make up new Accelerator jar. Spear grapple is 2.516". TIH to 6041'. Fill drillstring at 3000' - 6041'. Install bearing pack in rotating head. Displace Vertical section at 6041' with 9.7 ppg Brine water, well not flowing after displacement. Continue TIH with fishing tool assembly and 2 7/8" drillpipe to 11,224'. Fill drillstring at 9100' - 11,224' Displace Vertical section at 11,224' with 9.7 ppg Brine water with no gas or oil on returns. No back pressure required.

09/18/2007 Depth 15,220 Daily Cost: \$48,555
 DRLG Progress 0 Cumulative Costs: \$4,835,393
 AFE: 257078 Present Operation: Displace Vertical Section At 11,224'
 DFS: 157 Fill trip tank. TOH with fishing assembly. Lay down bad Accelerator jar. Jar was never in use in setting spear grapple. Spear grapple did have signs of wear. Monitor well. Wait on replacement Accelerator jar. TIH with fishing assembly and make up new Accelerator jar. Spear grapple is 2.516". Replacement Accelerator jar is bad. Lay down Accelerator jar. Monitor well. Wait on replacement Accelerator jar. TIH with fishing assembly and make up new Accelerator jar. Spear grapple is 2.516". TIH to 6041'. Fill drillstring at 3000' - 6041'. Install bearing pack in rotating head. Displace Vertical section at 6041' with 9.7 ppg Brine water, well not flowing after displacement. Continue TIH with fishing tool assembly and 2 7/8" drillpipe to 11,224'. Fill drillstring at 9100' - 11,224' Displace Vertical section at 11,224' with 9.7 ppg Brine water with no gas or oil on returns. No back pressure required.

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

09/17/2007 Daily Cost: \$27,350
 COMP Cumulative Costs: \$4,759,112
 AFE: 257078 Present Operation: Fill Trip Tank For TOH
 DFS: 156 Pick up and standback 3 1/2" drill collars while waiting on circulating sub.Pick up and install bearing pack on 2 7/8" stand. Pick up and make up Fishing tool assembly.TIH with fishing tool assembly and 2 7/8" drillpipe to 6041'. Install bearing pack.Fill drillstring at 3000' - 5969'. Displace Vertical section at 6041' with 9.7 ppg Brine water,well not flowing after displacement. Continue TIH with fishing tool assembly and 2 7/8" drillpipe to 11,224'.Fill drillstring at 9100' - 11,224' Displace Vertical section at 11,224' with 9.7 ppg Brine water with no gas or oil on returns.No back pressure required. Well not flowing after displacement. TIH from 11,224' to 11,412' with no problems. Pick up power swivel.Wash from 11,412' to 11,466' (Top of Fish) with no hole problems.Engage fish with spear and set grapple. At 20,000 lbs over string weight grapple slips out of fish.Engage fish several times and set grapple in fish with same results. Circulate bottoms up.Casing pressure at 70 psi with 5' to 10' lazy flare with choke open. Lay down 2 joints of 2 7/8" drillpipe.Setback power swivel.TOIH from 11,466' to 11,224' with no hole problems and fill casing with Brine. Monitor well to trip tank.Well flowed back 6.1 bbls. Displace 9.7 ppg Brine water with 14.0 ppg WBM in Vertical section.

09/17/2007 Depth 15,220 Daily Cost: \$320
 DRLG Progress 0 Cumulative Costs: \$4,759,112
 AFE: 257078 Present Operation: Fill Trip Tank For TOH
 DFS: 156 Pick up and standback 3 1/2" drill collars while waiting on circulating sub.Pick up and install bearing pack on 2 7/8" stand. Pick up and make up Fishing tool assembly.TIH with fishing tool assembly and 2 7/8" drillpipe to 6041'. Install bearing pack.Fill drillstring at 3000' - 5969'. Displace Vertical section at 6041' with 9.7 ppg Brine water,well not flowing after displacement. Continue TIH with fishing tool assembly and 2 7/8" drillpipe to 11,224'.Fill drillstring at 9100' - 11,224' Displace Vertical section at 11,224' with 9.7 ppg Brine water with no gas or oil on returns.No back pressure required. Well not flowing after displacement. TIH from 11,224' to 11,412' with no problems. Pick up power swivel.Wash from 11,412' to 11,466' (Top of Fish) with no hole problems.Engage fish with spear and set grapple. At 20,000 lbs over string weight grapple slips out of fish.Engage fish several times and set grapple in fish with same results. Circulate bottoms up.Casing pressure at 70 psi with 5' to 10' lazy flare with choke open. Lay down 2 joints of 2 7/8" drillpipe.Setback power swivel.TOIH from 11,466' to 11,224' with no hole problems and fill casing with Brine. Monitor well to trip tank.Well flowed back 6.1 bbls. Displace 9.7 ppg Brine water with 14.0 ppg WBM in Vertical section.

09/16/2007 Daily Cost: \$76,528
 COMP Cumulative Costs: \$4,731,442
 AFE: 257078 Present Operation: Prepare To Pick Up 3 1/2" Drill Collars
 DFS: 155 Continue to monitor casing while building additional mud volume.Cut and slip drilling line while building mud volume. TOH with 2 7/8" drillpipe and Peak completion assembly to confirm failure.Fill drillstring every 20 stands. Lay down 3 bad joints of 2 7/8" drillpipe.Lay down 3 1/2" liner and Peak Completion assembly. Recovered : 65 joints of 3 1/2" Liner - 1ea- Hydro Pak Anchor - 2 ea Iso Pak Packers - 3 ea Strata Ports - 1 Ea RSBP Fish in Hole : Pump Out Sub - 2 jts 2 7/8" Tubing - Hyro - Pak Anchor - 45 jts 3 1/2" Liner - 3 ea Iso Pak Packers - 2 ea Strata Ports Top of Fish at : 11,450.43'.Note: Top coupling of 4th Iso Pak Packer failed and was recovered with a 3 1/2" joint. Two each packer elements from a Recovered Iso Pak Packer are in hole as well. Rig down pick up / lay down unit.Move recovered 3 1/2" liner and bad drillpipe to separate racks.Set catwalk and v- door. Held safety meeting.Move 3 1/2" drillcollars to pipe racks and prepare to pick up and stand back drill collars.

09/16/2007 Depth 15,220 Daily Cost: \$320
 DRLG Progress 0 Cumulative Costs: \$4,731,442
 AFE: 257078 Present Operation: Prepare To Pick Up 3 1/2" Drill Collars
 DFS: 155 Continue to monitor casing while building additional mud volume.Cut and slip drilling line while building mud volume. TOH with 2 7/8" drillpipe and Peak completion assembly to confirm failure.Fill drillstring every 20 stands. Lay down 3 bad joints of 2 7/8" drillpipe.Lay down 3 1/2" liner and Peak Completion assembly. Recovered : 65 joints of 3 1/2" Liner - 1ea- Hydro Pak Anchor - 2 ea Iso Pak Packers - 3 ea Strata Ports - 1 Ea RSBP Fish in Hole : Pump Out Sub - 2 jts 2 7/8" Tubing - Hyro - Pak Anchor - 45 jts 3 1/2" Liner - 3 ea Iso Pak Packers - 2 ea Strata Ports Top of Fish at : 11,450.43'.Note: Top coupling of 4th Iso Pak Packer failed and was recovered with a 3 1/2" joint. Two each packer elements from a Recovered Iso Pak Packer are in hole as well. Rig down pick up / lay down unit.Move recovered 3 1/2" liner and bad drillpipe to separate racks.Set catwalk and v- door. Held safety meeting.Move 3 1/2" drillcollars to pipe racks and prepare to pick up and stand back drill collars.

09/15/2007 Depth 15,220 Daily Cost: \$35,295
 DRLG Progress 0 Cumulative Costs: \$4,654,594
 AFE: 257078 Present Operation: Build Additional Mud Volume
 DFS: 154 TIH with Peak completion assembly and 2 7/8" drillpipe from derrick to 12,626' with no problems. Work Peak completion assembly from 12,262' to 13,265'.Unable to work past 13,265'(EOT).Attempt to circulate with no success. Work and TOH with Peak completion assembly and 2 7/8" drillpipe to 13,017.96'.Drillpipe U- tubed and drillstring weight at 125,000 lbs. Liner parted or a Peak tool failed.Stab safety valve 1718 psi on drillstring.When working liner assembly out of the hole maximum pull was 210,000 lbs. Open safety valve and bled back 30 bbls of Brine water,drillpipe pressure dropped to 525 psi.Pump 55 bbls of 14.0 ppg WBM down drillpipe and drillpipe pressure at 0 psi. TOH with 2 7/8" drillpipe and part of liner assembly into vertical section. Install safety valve on drillpipe and monitor casing while building additional mud volume.

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

09/15/2007		Daily Cost:	\$55,243	
COMP		Cumulative Costs:	\$4,654,594	
AFE:	257078	Present Operation:	Build Additional Mud Volume	
DFS:	154	TIH with Peak completion assembly and 2 7/8" drillpipe from derrick to 12,626' with no problems. Work Peak completion assembly from 12,262' to 13,265'. Unable to work past 13,265'(EOT). Attempt to circulate with no success. Work and TOH with Peak completion assembly and 2 7/8" drillpipe to 13,017.96'. Drillpipe U- tubed and drillstring weight at 125,000 lbs. Liner parted or a Peak tool failed. Stab safety valve 1718 psi on drillstring. When working liner assembly out of the hole maximum pull was 210,000 lbs. Open safety valve and bled back 30 bbls of Brine water, drillpipe pressure dropped to 525 psi. Pump 55 bbls of 14.0 ppg WBM down drillpipe and drillpipe pressure at 0 psi. TOH with 2 7/8" drillpipe and part of liner assembly into vertical section. Install safety valve on drillpipe and monitor casing while building additional mud volume.		
09/14/2007		Daily Cost:	\$217,169	
COMP		Cumulative Costs:	\$4,564,056	
AFE:	257078	Present Operation:	TIH With Peak Completion Assembly And 2 7/8" Drillpipe	
DFS:	153	Continue to bullhead and pumped a total of 165 bbls of 13.1 ppg WBM. ISICP 1166 psi. Observe well and after 2 hours SICP 424 psi. Open well and well continues to flow. Build additional mud volume and raise mud weight to 14.0 ppg. Bullhead 141 bbls of 14.0 ppg mud. Fill hole with trip tank pump. TOH and lay down 4 3/4" Reamer assembly. Pick up, make up and TIH with Peak completion assembly and 3 1/2" liner. Please Peak Completion Report for details. TIH with Peak completion assembly and 2 7/8" drillpipe from derrick.		
09/13/2007		Daily Cost:	\$27,663	
COMP		Cumulative Costs:	\$4,346,887	
AFE:	257078	Present Operation:	Bullhead	
DFS:	152	Circulate hole clean. Close well in. Setback power swivel. TOH on rotating head to vertical section to 11,230'. SICP 1667 psi. Displace cut brine water with 13.1 ppg WBM. During displacement only partial to no returns. Pump 55 bbls over displacement. Highest mud weight at end of displacement, 9.9 ppg with oil and gas. Well not dead, 1525 psi on casing. Bullhead 181 bbls of 13.1 ppg WBM. Fill wellbore with trip tank pump, 15 bbls before returns. TOH with 4 3/4" Reamer assembly to 1321. Wellbore not taking correct amount of fluid. Bullhead 110 bbls of 13.1 ppg WBM at 06:00 hrs.		
09/13/2007	Depth	15,220	Daily Cost:	\$3,614
DRLG	Progress	0	Cumulative Costs:	\$4,346,887
AFE:	257078	Present Operation:	Bullhead	
DFS:	152	Circulate hole clean. Close well in. Setback power swivel. TOH on rotating head to vertical section to 11,230'. SICP 1667 psi. Displace cut brine water with 13.1 ppg WBM. During displacement only partial to no returns. Pump 55 bbls over displacement. Highest mud weight at end of displacement, 9.9 ppg with oil and gas. Well not dead, 1525 psi on casing. Bullhead 181 bbls of 13.1 ppg WBM. Fill wellbore with trip tank pump, 15 bbls before returns. TOH with 4 3/4" Reamer assembly to 1321. Wellbore not taking correct amount of fluid. Bullhead 110 bbls of 13.1 ppg WBM at 06:00 hrs.		
09/12/2007		Daily Cost:	\$33,199	
COMP		Cumulative Costs:	\$4,315,610	
AFE:	257078	Present Operation:	Circulate For TOH	
DFS:	151	Wash and ream from 12,764' to 14,855'. Pump high - vis sweeps and circulate hole clean.		
09/12/2007	Depth	15,220	Daily Cost:	\$3,194
DRLG	Progress	0	Cumulative Costs:	\$4,315,610
AFE:	257078	Present Operation:	Circulate For TOH	
DFS:	151	Wash and ream from 12,764' to 14,855'. Pump high - vis sweeps and circulate hole clean.		
09/11/2007		Daily Cost:	\$27,350	
COMP		Cumulative Costs:	\$4,279,217	
AFE:	257078	Present Operation:	Wash And Ream With 4 3/4" Reamer Assembly	
DFS:	150	Wash and ream from 11,500' to 11,980'. Bearing pack rubbers are leaking and cannot continue reaming operations due pressure on casing while reaming. Close Hydril. This bearing pack had only 12 hours since elements were replaced by Weatherford. Wait on spare bearing pack to be repaired and returned from Weatherford. Install repaired bearing pack. Continue Wash and ream from 11,980' to 12,764'.		

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

09/11/2007	Depth	15,220	Daily Cost:	\$26,973
DRLG	Progress	0	Cumulative Costs:	\$4,279,217
AFE:	257078	Present Operation: Wash And Ream With 4 3/4" Reamer Assembly		
DFS:	150	Wash and ream from 11,500' to 11,980'. Bearing pack rubbers are leaking and cannot continue reaming operations due pressure on casing while reaming. Close Hydril. This bearing pack had only 12 hours since elements were replaced by Weatherford. Wait on spare bearing pack to be repaired and returned from Weatherford. Install repaired bearing pack. Continue Wash and ream from 11,980' to 12,764'.		
09/10/2007			Daily Cost:	\$27,350
COMP			Cumulative Costs:	\$4,224,894
AFE:	257078	Present Operation: Wash And Ream With 4 3/4" Reamer Assembly		
DFS:	149	Continue TOH with directional assembly and Bit # 11. Lay down directional tools and breakout Bit # 11. Pick up and make up 4 3/4" Reamer assembly. TIH with 4 3/4" Reamer assembly and 2 7/8" drillpipe from derrick to 6012'. Fill drillstring at 3000' - 6012'. Install bearing pack at 6012'. Establish circulation at 6012' and displace vertical section with 9.5 ppg Brine water. TIH with 4 3/4" Reamer assembly and 2 7/8" drillpipe from derrick to 11,228'. Pick up power swivel. Establish circulation at 11,228' and displace vertical section with 9.5 ppg Brine water. Wash and ream from 11,228' to 11,500'.		
09/10/2007	Depth	15,220	Daily Cost:	\$76,196
DRLG	Progress	0	Cumulative Costs:	\$4,224,894
AFE:	257078	Present Operation: Wash And Ream With 4 3/4" Reamer Assembly		
DFS:	149	Continue TOH with directional assembly and Bit # 11. Lay down directional tools and breakout Bit # 11. Pick up and make up 4 3/4" Reamer assembly. TIH with 4 3/4" Reamer assembly and 2 7/8" drillpipe from derrick to 6012'. Fill drillstring at 3000' - 6012'. Install bearing pack at 6012'. Establish circulation at 6012' and displace vertical section with 9.5 ppg Brine water. TIH with 4 3/4" Reamer assembly and 2 7/8" drillpipe from derrick to 11,228'. Pick up power swivel. Establish circulation at 11,228' and displace vertical section with 9.5 ppg Brine water. Wash and ream from 11,228' to 11,500'.		
09/09/2007	Depth	15,220	Daily Cost:	\$43,125
DRLG	Progress	63	Cumulative Costs:	\$4,121,348
AFE:	257078	Present Operation: TOH With Directional Assembly And Bit # 11		
DFS:	148	Ream and work drillstring from 15,127' to 15,157'. No more problems at this time. Directional drill 4 3/4" hole. Rotate drill from 15,157' to 15,220' MD (T.D. for 4 3/4" Hole) 11,473.72' TVD - 86.20° - 338.00 Azimuth Pump high vis sweeps and circulate hole clean. TOH laying down 2 7/8" drillpipe (128 joints) from lateral. Tight hole at 15,030' (30K) - 15,010' (40K) - 14,404' (40K) - 11,484' (40K) Work tight hole without reaming. FSICP 2034 PSI Displace cut brine water with 13.1 ppg WBM. During displacement only partial to no returns. Pump 55 bbls over displacement. Highest mud weight at end of displacement, 10.5 ppg with oil and gas. Fill casing with trip tank pump. Pumped 24.1 bbls (1585' + -) partial returns. Unable to control fluid loss and fill hole with 9.8 ppg Brine. TOH with directional assembly and Bit # 11.		
09/08/2007	Depth	15,157	Daily Cost:	\$43,146
DRLG	Progress	120	Cumulative Costs:	\$4,078,223
AFE:	257078	Present Operation: Ream at 15,150'		
DFS:	147	Continue TIH with directional assembly and Bit # 11 to 11,218'. Establish circulation at 11,218' and displace vertical section with 9.8 ppg Brine water. Shut well in. Service rig and change out bad radiator on power swivel unit. SICP 1390 psi Complete change out of radiator and test. Continue TIH with directional assembly and Bit # 11 to 14,968' on rotating head with SICP from 1350 psi to 1725 psi. Pick up power swivel. Wash and ream from 14,968' to 14,993'. Light to moderate reaming from 14,988' to 15,037'. Pump 30 bbl high - vis sweep. Circulate hole clean. Re-Log from 15,013' to 15,037'. Directional drill 4 3/4" hole. Rotate drill from 15,037' to 15,047'. Slide drill from 15,047' to 15,057'. Rotate drill from 15,057' to 15,096'. Replace power swivel washpipe packing. Directional drill 4 3/4" hole. Rotate drill from 15,057' to 15,096'. Slide drill from 15,096' to 15,127'. Rotate drill from 15,127' to 15,137'. Rotate drill from 15,137' to 15,157'. Power swivel stalling and at times mud motor stalls. Does not appear to be shale related. Ream and work drillstring from 15,127' to 15,157'. Backpressure while drilling from 250 psi to 1100 psi and 5' to 25' flare.		
09/07/2007	Depth	15,037	Daily Cost:	\$48,267
DRLG	Progress	0	Cumulative Costs:	\$4,035,077
AFE:	257078	Present Operation: TIH With Directional Assembly And Bit # 11		
DFS:	146	Pick up power swivel and work through tight spot at 12,350'. Setback power swivel. Continue TOH to 11,221' with no hole problems. Displace cut brine water with 13.8 ppg water base mud. During displacement only partial returns. Pump 55 bbls over displacement and 8.8 ppg with oil and gas, on partial returns. Shut in well after 15 minutes SICP 137 psi. Bled off casing pressure to 0 psi. Fill casing with trip tank pump and pumped 19 bbls (1250' + -) partial returns. Unable to control fluid loss and fill hole with 9.8 ppg Brine. TOH with directional assembly and Bit # 10. Retrieve MWD probe. Breakout Bit # 10 and mud motor. Make up new mud motor and Bit # 11. Scribe and install MWD probe. Test and test good. TIH with directional assembly and Bit # 11 to 6031'. Fill drillstring at 3000' - 6000'. Install bearing pack in rotating head. Establish circulation at 6031' and displace vertical section with 9.8 ppg Brine water. TIH with directional assembly and Bit # 11.		

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

09/06/2007	Depth	15,037	Daily Cost:	\$69,987
DRLG	Progress	175	Cumulative Costs:	\$3,986,810
AFE: 257078	Present Operation: Work Tight Spot At 12,350'			
DFS: 145	Directional drill 4 3/4" hole. Rotate drill from 14,862' to 14,895'. Slide drill from 14,895' to 14,905'. Rotate drill from 14,905' to 14,985'. Slide drill from 14,985' to 14,993'. Problems with Pason rig floor computer and not able to troubleshoot problem. Wait on Pason technician. Not able to continue drilling operations without Pason rig floor computer. Circulate and work drillstring. floor Pason computer. All data retrieved. Directional drill 4 3/4" hole. Rotate drill from 14,993' to 15,037'. Pump 30 bbl high - vis sweep and circulate hole clean. Spot 10.0 ppg Brine Water above window. TOH on rotating head with tight spots at 14,508' (40K over) 14,448' (35K over). SICP 1200 psi to 1556 psi. Unable to work past tight spot at 12,350'. Prepare to pick up power swivel. Backpressure while drilling from 1000 psi to 1250 psi and 15' to 35' flare.			
09/05/2007	Depth	14,862	Daily Cost:	\$41,465
DRLG	Progress	359	Cumulative Costs:	\$3,916,823
AFE: 257078	Present Operation: Directional Drill 4 3/4" Hole			
DFS: 144	Continue to circulate hole clean and circulate gas out. Re- Log from 14,481' to 14,503'. Directional drill 4 3/4" hole. Rotate Drill From 14,503' to 14,556'. Checkshot and orient to 150R. Directional drill 4 3/4" hole. Slide Drill From 14,556' to 14,562'. Rotate drill from 14,562' to 14,613'. Make up circulating sub and circulate. Replace washpipe packing in power swivel. Continue to replace washpipe packing in power swivel and test, test good. Pason rig floor computer not working correctly, troubleshoot and solve problem with computer. Directional drill 4 3/4" hole. Slide drill from 14,613' to 14,618'. Rotate drill from 14,618' to 14,748'. Slide drill from 14,748' to 14,758'. Rotate drill from 14,758' to 14,802'. Checkshot and orient to 50R. Directional drill 4 3/4" hole. Slide drill from 14,802' to 14,810'. Rotate drill from 14,810' to 14,849'. Orient toolface to slide. Directional drill 4 3/4" hole. Slide drill from 14,849' to 14,862'.			
09/04/2007	Depth	14,503	Daily Cost:	\$45,111
DRLG	Progress	0	Cumulative Costs:	\$3,875,358
AFE: 257078	Present Operation: Circulate Out Gas Prior To Drilling			
DFS: 143	Continue TOH with directional assembly and Bit # 9. Retrieve MWD probe. Breakout Bit # 9. Breakout and lay down mud motor. Make up new mud motor and Bit # 10. Scribe and install MWD probe. Test and test good. TIH with directional assembly and Bit # 10 to 7681'. Install bearing pack in rotating head. Attempt to establish circulation at 7681' with no returns to displace 13.9 ppg Water Base Mud with 9.8 ppg Brine water. TOH with directional assembly and Bit # 10 to 5170'. Establish circulation at 5170' and displace 13.9 ppg Water Base Mud with 9.8 ppg Brine water. Continue TIH with directional assembly and Bit # 10 to 11,190'. Fill drillstring at 8800' - 11,190' Establish circulation at 11,190' and displace 13.9 ppg Water Base Mud with 9.8 ppg Brine water in vertical section. Continue TIH with directional assembly and Bit # 10 to 14,441' on rotating head with SICP from 1170 psi to 1875 psi. Pick up power swivel. Wash and ream from 14,441' to 14,503'. Circulate hole clean and circulate gas out.			
09/03/2007	Depth	14,503	Daily Cost:	\$69,212
DRLG	Progress	0	Cumulative Costs:	\$3,830,247
AFE: 257078	Present Operation: TOH With Directional Assembly And Bit # 9			
DFS: 142	TOH with directional assembly and Bit # 9 to 7177'. Change out drilling line. Continue TOH with directional assembly and Bit # 9 to 4871'. Wellbore not taking correct amount of fluid. Perform flowcheck and wellbore not static. Shut well in and SICP 75 psi. Bullhead 165 bbls of 13.9 ppg water base mud. SICP 412 psi and after 15 minutes 0 psi. Wellbore static. Fill trip tank. Continue TOH with directional assembly and Bit # 9.			
09/02/2007	Depth	14,503	Daily Cost:	\$44,182
DRLG	Progress	250	Cumulative Costs:	\$3,761,035
AFE: 257078	Present Operation: Displace Vertical section Of Hole			
DFS: 141	Directional drill 4 3/4" hole. Rotate Drill From 14,226' To 14,268'. Slide Drill From 14,268' to 14,274'. Rotate Drill From 14,274' To 14,419'. Directional drill 4 3/4" hole. Slide Drill From 14,419' To 14,426'. Rotate Drill From 14,426' to 14,452'. Slide Drill From 14,452' To 14,456'. Directional drill 4 3/4" hole. Rotate Drill From 14,456' To 14,503'. Circulate Sweep Around For Bit Trip Trip out of hole To Btm. Of Window @ 11,221'. Tight Spots @ 14,250' & 12,350' Took 50,000 Over. Displace 9.5 ppg Brine in vertical section with 14 ppg Mud.			
09/01/2007	Depth	14,253	Daily Cost:	\$78,378
DRLG	Progress	468	Cumulative Costs:	\$3,716,853
AFE: 257078	Present Operation: Directional Drill 4 3/4" Hole			
DFS: 140	Connection and survey at 13,433' - 90.70° - 342.80 Azimuth. Directional drill 4 3/4" hole. Slide Drill From 13,785' To 13,790'. Rotate Drill From 13,790' To 13,819'. Slide Drill From 13,819' To 13,826'. Directional drill 4 3/4" hole. Rotate Drill From 13,826' To 13,987'. Slide Drill From 13,987' To 13,995'. Rotate Drill From 13,995' To 14,003'. Directional drill 4 3/4" hole. Slide Drill From 14,003' To 14,009'. Rotate Drill From 14,009' To 14,128'. Rotate Drill From 14,128' To 14,159'. Directional drill 4 3/4" hole. Slide Drill From 14,159' To 14,162'. Rotate Drill From 14,162' To 14,221'. Slide Drill From 14,221' To 14,226'. Directional drill 4 3/4" hole. Rotate Drill From 14,226' To 14,253'.			

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

08/31/2007	Depth	13,785	Daily Cost:	\$52,801
DRLG	Progress	32	Cumulative Costs:	\$3,638,475
AFE: 257078	Present Operation: Directional Drill 4 3/4" Hole			
DFS: 139	Weight Up 175 Bbls' Of 15 # Mud. Bullheading 175 bbls' of 15ppg mud down annulus. (Well Static) Trip out of Hole W/ Bit # 8 Change out BHA & MWD Tool. Orient New MWD & Test TIH with directional assembly and Bit # 7.Fill drillstring at 3000' - 6000' . Service Rig & Fill Drill Pipe TIH with directional assembly and Bit # 7.Fill drillstring at 7,572' & Displace 15 # Mud Out Of Vertical Section w/ 9.4 Brine. Trip in Hole W/ Bit # 9 To 11,242'. Fill Pipe @ 9,000' Displace Vertical Section Of Hole @ 11,221' W /9.5 Brine Trip In Hole W/Bit # 9 To 13,700' Relog Gamma From 13,700' To 13,753' Directional drill 4 3/4' hole.Slide drill from 13,753' to 13,757'.Rotate drill from 13,757' to 13,785'.			
08/30/2007	Depth	13,753	Daily Cost:	\$60,560
DRLG	Progress	0	Cumulative Costs:	\$3,585,674
AFE: 257078	Present Operation: Bullhead 15# Mud			
DFS: 138	Trip out of Hole W/Bit # 8 To 6,557'. Well Started Flowing. Circulate Hole @ 6,557' & Weight up mud To 14# Circulate 14ppg mud around , got 12# back to surface , well still flowing. Shut well in annulus pressure 1227 psi. Weight Up 175 Bbls' Of 15 # Mud. Also weight up 140 Bbls Of 14ppg Mud Bullhead W/ 140 Bbls of 14 ppg mud. Well Still Flowing, Casing Pressure @ 591 # . Bullhead 175 Bbls' of 15# Mud Into annulus Pressure dropped to 20# on annulus. Bleed pressure Off of annulus well started Flowing immediately, Shut in, annular pressure Went to 406 Psi. Weight Up 175 Bbls' Of 15 # Mud. Bullheading 175 bbls' of 15ppg mud down annulus.			
08/29/2007	Depth	13,753	Daily Cost:	\$48,334
DRLG	Progress	311	Cumulative Costs:	\$3,525,114
AFE: 257078	Present Operation: Trip Out of Hole W / Bit #8			
DFS: 137	Directional drill 4 3/4' hole. Rotate Drill From 13,442' To 13,473'. Connection and survey at 13,433' - 90.70° - 342.80 Azimuth. Directional drill 4 3/4' hole. Slide Drill From 13,473' To 13,477'. Rotate Drill From 13,477' To 13,505'. Slide Drill From 13,505' To 13,511'. Directional drill 4 3/4' hole. Rotate Drill From 13,511' To 13,565'. Slide Drill From 13,565' To 13,572'. Rotate Drill From 13,572' To 13,627'. Connection and survey at 13,587' - 90.70° - 342.80 Azimuth. Directional drill 4 3/4' hole. Slide Drill From 13,627' To 13,634'. Rotate Drill From 13,634' To 13,753'. Survey @ 13,744' 91.80 Deg. Az. 342.90 Circulate 25 Bbl's Of 50 Vis. Sweep Around For Bit Trip. Shut well in.TOH on rotating head with SICIP 1700 psi to 11,221' (Vertical Section). Tight Spot @ Displace 9.5 ppg Brine in vertical section with 14 ppg Mud. (Well Static - Taking Fluid) Trip Out Of Hole W/Bit #8			
08/28/2007	Depth	13,442	Daily Cost:	\$51,113
DRLG	Progress	438	Cumulative Costs:	\$3,476,780
AFE: 257078	Present Operation: Directional Drill 4 3/4" Hole			
DFS: 136	Displace Vertical Section Of Hole @ 7,595 W /9.5 Brine Trip In Hole W/Bit #8 To 11,232' Displace Vertical Section Of Hole @ 11,232' W /9.5 Brine Trip In Hole W/Bit #8 To 12,984' Relog Gamma From 12,984' To 13,004' Directional drill 4 3/4' hole. Slide drill from 13,004' to 13010'.Rotate Drill From 13,010' To 13,130'. Connection and survey at 13,090' - 90.70° - 342.80 Azimuth. Directional drill 4 3/4' hole. Rotate Drill From 13,130' To 13,161'.Slide drill from 13,161' to 13,164'.Rotate Drill From 13,164' To 13,255'. Directional drill 4 3/4' hole. Slide drill from 13,255' to 13,262'. Rotate Drill From 13,262' To 13,286'.Rotate Drill From 13,286' To 13,317'. Directional drill 4 3/4' hole. Slide drill from 13,317' to 13,322'. Rotate Drill From 13,322' To 13,411'.Slide Drill From 13,411' To 13,416'. Directional drill 4 3/4' hole. Rotate drill from 13,416' to 13,442'.			
08/27/2007	Depth	13,004	Daily Cost:	\$43,937
DRLG	Progress	0	Cumulative Costs:	\$3,425,667
AFE: 257078	Present Operation: Circulate Mud Out Of Vertical Section			
DFS: 135	Displace vertical section of hole from 11,201' to surface W/ 13.5 ppg mud. Trip out of Hole W/Bit # 7 To 2,484'. Well Started Flowing. Weight Mud Up To 13.5 Ppg. For Bullhead Procedure. (Shut Well In) Bullhead W/100 Bbls of 13.5# Mud (Well Still Flowing) Weight Mud Up To 14.0 Ppg. For Bullhead Procedure. (Shut Well In) Bullhead W/150 Bbls of 14 # Mud (Well Static) Trip Out of Hole W/Bit #7 Change out BHA & MWD Tool. Orient New MWD & Test TIH with directional assembly and Bit # 7.Fill drillstring at 3000' - 6000' . Circulate Mud Out Of Hole @ 7,595'.			
08/26/2007	Depth	13,004	Daily Cost:	\$45,796
DRLG	Progress	134	Cumulative Costs:	\$3,381,730
AFE: 257078	Present Operation: Displace Vertical Section Of Hole			
DFS: 134	Directional drill 4 3/4' hole. Rotate drill from 12,870' To 12,925'. Slide drill from 12,925' to 12,934' Directional drill 4 3/4' hole. Rotate drill from 12,934' To 12,959'. Slide drill from 12,959' to 12,969.' Directional drill 4 3/4' hole. Rotate drill from 12,969' To 13,004'. Circulate sweep around for Bit trip. Trip out to Window @ 11,201' Displace vertical section of hole from 11,201' to surface W/ 12.8 ppg mud. Trip out of hole W/bit #7 To 7,138' (Well Flowing) Shut In 300# On Annulus Trip Back In Hole To Top Of Window @ 11,201' Circulate 12.8# Mud Out Of Hole On Choke 1400 # On Annulus W/ 30' To 44' Moderate Flare (Weight 12.8 Mud Up to 13.5) Displace vertical section of hole from 11,201' to surface W/ 13.5 ppg mud.			

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

08/25/2007	Depth	12,870	Daily Cost:	\$44,685
DRLG	Progress	470	Cumulative Costs:	\$3,335,934
AFE: 257078	Present Operation: Directional Drill 4 3/4" Hole			
DFS: 133	Directional drill 4 3/4' hole. Rotate drill from 12,400' to 12,427'. Connection and survey at 12,400' - 88.20° - 347.50 Azimuth. Directional drill 4 3/4' hole.Slide drill from 12,427' to 12,440'.Rotate drill from 12,440' to 12,504'. Connection and survey at 12,464' - 87.40° - 344.70 Azimuth. Directional drill 4 3/4' hole.Slide drill from 12,504' to 12,514'.Rotate drill from 12,514' to 12,597'. Connection and survey at 12,589' - 87.20° - 342.50 Azimuth. Directional drill 4 3/4' hole.Slide drill from 12,597' to 12,607'.Rotate drill from 12,607' to 12,629'. Directional drill 4 3/4' hole.Slide drill from 12,629' to 12,639'.Rotate drill from 12,639' to 12,692'. Directional drill 4 3/4' hole.Slide drill from 12,692' to 12,698'.Rotate drill from 12,698' to 12,755'. Connection and survey at 12,715' - 89.40° - 340.80 Azimuth. Directional drill 4 3/4' hole.Slide drill from 12,755' to 12,765'.Rotate drill from 12,765' to 12,870'.			
08/24/2007	Depth	12,400	Daily Cost:	\$55,585
DRLG	Progress	85	Cumulative Costs:	\$3,291,249
AFE: 257078	Present Operation: Directional Drill 4 3/4" Hole			
DFS: 132	Continue TOH with directional assembly and Bit # 6. Change out BHA & MWD Tool. Orient New MWD & Test TIH with directional assembly and Bit # 7.Fill drillstring at 3000' -6000' - 9000' - 11,000.Install bearing pack at 10,000'. Displace 12.8 ppg mud in vertical section @ 11,151' with 9.7 ppg Brine water. TIH with directional assembly and Bit # 7. Orient Into New Hole @ 11,325' Circulate Trip Gas Off Thru Choke W/ 1600 PSI On Annulus / 25' To 35' Flare Re-Log Gamma from 12,295' to 12,315'. Directional drill 4 3/4' hole.Slide drill from 12,315' to 12,325'.Rotate drill from 12,325' to 12,346'. Connection and survey at 12,306' - 94.10° - 350.10 Azimuth. Directional drill 4 3/4' hole.Slide drill from 12,346' to 12,356'.Rotate drill from 12,356' to 12,400'.			
08/23/2007	Depth	12,315	Daily Cost:	\$60,297
DRLG	Progress	188	Cumulative Costs:	\$3,235,664
AFE: 257078	Present Operation: TOH With Directional Assembly And Bit # 6			
DFS: 131	Directional drill 4 3/4" hole.Slide drill from 11,127' to 12,135'.Rotate drill from 12,135' to 12,190'.Slide drill from 12,190' to 12,200'. Connection and survey at 12,150' - 88.50° - 342630 Azimuth. Slide drill from 12,190' to 12,200'.Rotate drill from 12,200' to 12,221'.Slide drill from 12,221' to 12,231'. Rotate drill from 12,231' to 12,253'.Slide drill from 12,253' to 12,263'.Rotate drill from 12,263' to 12,284'. Slide drill from 12,284' to 12,294'.Rotate drill from 12, 294' to 12,315'. Pump 30 bbl high - vis sweep and circulate hole clean. Close well in.Setback power swivel.Lay down 2 joints of 2 7/8" drillpipe.TOH on rotating head with SICP (1772 psi). Displace cut Brine water in hole with 12.8 ppg water base mud.Check for flow and wellbore static.Fill trip tank. TOH with directional tools and Bit # 6.			
08/22/2007	Depth	12,127	Daily Cost:	\$49,672
DRLG	Progress	530	Cumulative Costs:	\$3,175,367
AFE: 257078	Present Operation: Directional Drilling, mixing kill mud			
DFS: 130	Directional drilling through the choke with 700 psi to 900 psi back pressure @ 12,127' - 20' to 25' Flare - Made 530' in 20.5 hrs - 25.9/hr - MW in 10.0 brine - MW out 8.5 - Worked to repair pump on pre-mix pit during the night. Currently pre-mix pit is operational and in the process of mixing kill mud for the next trip.			
08/21/2007	Depth	11,597	Daily Cost:	\$43,422
DRLG	Progress	0	Cumulative Costs:	\$3,125,695
AFE: 257078	Present Operation: Displace Vertical Section With 9.7 ppg Brine Water			
DFS: 129	Continue to displace 9.7 ppg Brine water with 12.0 ppg mud.Raise mud weight from 11.0 ppg to 12.0 ppg during displacement. Monitor wellbore and wellbore static.Fill trip tank. TOH with directional assembly and Bit # 5.Retrieve Sinker bar and on/off tool.Retrieve MWD probe and install new MWD probe. Breakout Bit # 5. Make up Bit # 6.Test MWD and Mud motor, TIH with directional assembly and Bit # 6.Fill drillstring at 3000' -6000' - 9000' - 11,000.Install bearing pack at 10,000'. Wait on vaccum truck,late due too flat tires. Displace 12.0 ppg mud in vertical section with 9.7 ppg Brine water.			
08/20/2007	Depth	11,597	Daily Cost:	\$45,858
DRLG	Progress	69	Cumulative Costs:	\$3,082,273
AFE: 257078	Present Operation: Displace Vertical Section And Raise Mud Weight			
DFS: 128	Continue TIH with directional assembly and Bit # 5 to 11,188'. Displace mud in vertical section with 9.7 ppg Brine water. TIH to 11,340'.Pick up power swivel and orient into sidetrack.Wash and ream from 11,340' to 11,528' with no fill. Directional drill 4 3/4" hole.Slide drill from 11,528' to 11,582'.Rotate drill from 11,582' to 11,597'. 250 psi Back pressure with 3' to 6' Lazy flare.MWD not working while rotating. Pump 25 bl high - vis sweep and circulate hole clean. Shut well in.TOH on rotating head with SICP 550 psi to 11,188' (Vertical Section) to retrieve MWD probe.No hole problems. TIH with sandline and tools to retrieve MWD probe.SICP 750 psi.TOH with sandline and tools.Did not recover MWD probe. Left in hole 4' Black Viper sinker bar and on/off tool. Cut and slip drilling line.SICP 905 psi. Displace 9.7 ppg Brine water with 12.0 ppg mud.Raise mud weight from 11.0 ppg to 12.0 ppg during displacement. Shows from 11,490' to 11,597'			

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

08/19/2007	Depth	11,528	Daily Cost:	\$41,147
DRLG	Progress	1	Cumulative Costs:	\$3,036,415
AFE: 257078	Present Operation: TIH With Directional Assembly And Bit # 5			
DFS: 127	Directional drill 4 3/4" hole.Slide drill from 11,527' to 11,528'.250 psi Back pressure with 3' to 6' Lazy flare. Pump 25 bbl high - vis sweep and circulate hole clean.Gas (626 units) and flare (10' -15' Lazy Flare) increased on bottoms up, must have penetrated the D sand. Lay down 1 joint and setback power swivel.TOH from 11,528' to 11,287' with no hole problems with well shut in and SICP (900 psi) while tripping.Pick up power swivel. Displace 9.7 ppg Brine water with 11.0 ppg mud.Raise mud weight from 10.7 ppg to 11.0 ppg during displacement. Check for flow and fill trip tank after displacement.11.0 ppg mud in and 10.7+ ppg out after 100 bbls over displacement. TOH with directional assembly and Bit # 4 RRR.Retrieve MWD probe.Breakout Bit # 4RR and Mud motor.Lay down mud motor. Pick up and make up new mud motor (1.83°).Make up Bit # 5.Scribe and install MWD probe.Test MWD and mud motor,test good. TIH with directional assembly and Bit # 5.Fill drillstring at 3000' -6000'.Install bearing pack at 3771'.			
08/18/2007	Depth	11,527	Daily Cost:	\$36,660
DRLG	Progress	133	Cumulative Costs:	\$2,995,268
AFE: 257078	Present Operation: Directional Drill 4 3/4" Hole			
DFS: 126	TIH with directional tools and Bit # 4RR to 10,000'.Install bearing pack at 10,000'.Fill drillstring at 6000' -9000' Rig service Continue TIH to 11,277'. Displace 10.7 ppg Mud with 9.7 ppg Brine water. TIH to 11,340'.Pick up power swivel and orient into sidetrack.Wash and ream from 11,340' to 11,394' with no fill. Directional drill 4 3/4" hole.Slide drill from 11,394' to 11,436'.250 psi Back pressure with 3' to 6' Lazy flare. Connection and survey at 11,402' - 49.50° - 358.50 Azimuth. Directional drill 4 3/4" hole.Slide drill from 11,436' to 11,467'.250 psi Back pressure with 3' to 6' Lazy flare. Connection and survey at 11,433' - 57.40° - 355.90 Azimuth. Directional drill 4 3/4" hole.Slide drill from 11,467' to 11,498'.250 psi Back pressure with 3' to 6' Lazy flare. Connection and survey at 11,464' - 66.40° - 356.00 Azimuth. Directional drill 4 3/4" hole.Slide drill from 11,498' to 11,527'.250 psi Back pressure with 3' to 6' Lazy flare. Show interval - 11,440' to 11,510'			
08/17/2007	Depth	11,394	Daily Cost:	\$77,096
DRLG	Progress	46	Cumulative Costs:	\$2,958,608
AFE: 257078	Present Operation: TIH With Directional Tools			
DFS: 125	Directional drill 4 3/4" hole.Slide drill from 11,348' to 11,394'.Build rates are too high.250 psi Back pressure with 3' to 4' Lazy flare. Pump 25 bbl high - vis sweep and circulate hole clean. Close well in and strip out on rotating head (450 psi SICP).TOH from 11,394' to 11,277'. Rig up too displace.Displace 9.7 ppg Brine water in hole with 10.7 ppg mud.Raise mud weight on light mud to 11.7 ppg. TOH with directional tools and Bit # 4.Retrieve MWD probe.Break out Bit # 4. Change bent housing on mud motor from 3.94° to 2.57°.Install MWD probe.Test MWD and mud motor,test good.Make up Bit # 4RR. TIH with directional tools and Bit # 4RR.Fill drillstring at 3000'.			
08/16/2007	Depth	11,348	Daily Cost:	\$38,105
DRLG	Progress	11,348	Cumulative Costs:	\$2,881,512
AFE: 257078	Present Operation: Time Drill Directional 4 3/4" Hole			
DFS: 124	Continue TIH with directional assembly and Bit # 4 to 11,277'.TIH slow due to 3.94° mud motor. Fill drillstring at 3000'-6000'-9000'-11,000'.Install bearing pack at 11,000'.Layed down 7 joints of drillpipe. Pick up power swivel.Displace mud 10.8 ppg in hole with 9.7 ppg Brine water. Wash and ream from 11,277' to 11,342'.TOH to 11,325' to sidetrack. Establish toolface and MWD not working.Troubleshoot MWD. Time drill 11,325' to 11,335'.Side track at 11,325'.250 psi Back pressure with 3' to 4' Lazy flare. Check for ledge. Time drill from 11,335' to 11,348'.250 psi Back pressure with 3' to 4' Lazy flare.			
08/15/2007	Depth	11,527	Daily Cost:	\$54,302
DRLG	Progress	0	Cumulative Costs:	\$2,843,407
AFE: 257078	Present Operation: TIH With Directional Assembly			
DFS: 123	Circulate and condition mud.11.0 ppg in and 10.8 ppg out. Wash and rotate from 11,300' to 11,512' (Top of fish).Engage top of fish and had pump pressure increase. TOH with fishing assembly.Setback power swivel.Difficult to determine if fish is recovered,too light to tell from a weight standpoint. Overpull was present in working overshot to bottom as well as TOH in open hole. TOH with fishing assembly slow due to 4 1/2" overshot (Swabbing) and possible fish.Lay down fishing tools.Lost lip guide,mill control, and grapple in hole. Wait on well plan. Move directional tools to rack.Pick up and make up directional tools.Problems with test on MWD.Change out MWD probe. Test again , test good.Slow due to 3.94° mud motor in 5 1/2" casing. TIH with directional assembly and Bit # 4.			
08/14/2007	Depth	11,527	Daily Cost:	\$43,327
DRLG	Progress	0	Cumulative Costs:	\$2,789,105
AFE: 257078	Present Operation: Pick Up Power Swivel To Condition Mud			
DFS: 122	Continue to wait on fishing tools.Held safety meeting. TOH with 40 stands of 2 7/8" drillpipe. Pick up and make up fishing assembly. TIH with fishing assembly and 2 7/8" drillpipe to 3948'.Fill up drillstring at 3000' . Well flowing.Bullhead 35 bbls down annulus.Bled off pressure. Continue TIH with fishing assembly and 2 7/8" drillpipe to 6761'.Fill up drillstring at 6000' - 9000' - 11,000'. Well flowing.Close well in SICP after 3 hours 594 psi.Build volume and circulate 11.0 ppg mud.During circulation 6' to 12' lazy flare. At end of circulation 10.8 ppg.Mud on returns extremely gas cut. Continue TIH with fishing assembly and 2 7/8" drillpipe to 11,251'.Fill up drillstring at 9000' - 11,000'. Work through bottom of window with 4 1/2" overshot. Pick up power swivel.			

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

08/13/2007	Depth	11,527	Daily Cost:	\$37,000
DRLG	Progress	0	Cumulative Costs:	\$2,745,778
AFE:	257078	Present Operation:	Wait On Fishing Tools	
DFS:	121	Continue TOH to 5094' with no washout that could be discovered. TIH to spot where drillpipe pipe was dry and pressure up on annulus to 950 psi to check floats and for washout with no pressure loss. TOH with directional assembly and Bit # 3. Retrieve MWD probe. Reason for pressure loss, top sub on mud motor parted. Lay down rest of mud motor and directional tools. Top of fish at approximately 11,513'. Length of fish in hole, mud motor 11.05' and 4 3/4" bit 0.50'. 3 3/4" O.D. for fish. TIH with 40 stands of 2 7/8" drillpipe for well control. Wait on fishing tools. Fishing tools maybe on location at 10:00 am.		
08/12/2007	Depth	11,527	Daily Cost:	\$44,023
DRLG	Progress	35	Cumulative Costs:	\$2,708,778
AFE:	257078	Present Operation:	TOH for Washout	
DFS:	120	Continue to circulate out oil and gas at 24 spm. Final circulating pressure 2500 psi on standpipe at 65 spm with 300 psi on casing (3' to 6' Lazy Flare). Shut pump down, wellbore not static. Directional drill 4 3/4" hole. Slide drill from 11,492' to 11,527'. Drilling with 300 psi back pressure and 3' lazy flare. Lost 200 psi of standpipe pressure. Trouble shoot surface equipment and did not find any problems. Close well in and bled off drillpipe. Shut in drillpipe. Drillpipe and annulus equalized at 300 psi (Washout). Circulate at reduced pump rate, 13 spm. Wait on 11.0 ppg mud Unload 11.0 ppg mud in frac tank. Prepare to kill drillpipe. Continue to circulate at reduced pump rate. Held safety meeting. Displace drillpipe capacity with 11.0 ppg mud on choke with reduced pump rate 13 spm. Lay down 1 joint of 2 7/8" drillpipe. and setback power swivel. TOH to 11,186' with 550 psi on annulus. Install safety valve in drillpipe. Held safety meeting. Rig up to bullhead annulus with 11.0 ppg mud (172 bbls) through "B" section. Close pipe rams. Bullhead annulus with 172 bbls of 11.0 ppg mud. 0.50 bpm at 2450 psi for 101 bbls. Last 71 bbls at 0.97 bpm with 2250 to 2000 psi. ISICP at 1900 psi. Monitor SICP. at 23:30 hrs 1750 psi SICP. Bled off annulus pressure and wellbore static. Attempt to bled off drillpipe, steady 2" stream. Close safety valve on drillpipe. ISIDPP 266 psi, after 10 minutes SIDPP 398 psi Bullhead drillpipe capacity with 11.0 ppg mud at 0.50 bpm with 12 spm at 2230 psi. ISIDPP 2000 psi. Bled off annulus pressure and drillpipe pressure. TOH slowly inspecting drillstring for washout. Drillpipe is dry.		
08/11/2007	Depth	11,492	Daily Cost:	\$56,660
DRLG	Progress	46	Cumulative Costs:	\$2,664,755
AFE:	257078	Present Operation:	Circulate on Choke	
DFS:	119	Pump 25 bbl high - vis sweep and circulate hole clean for trip. Setback power swivel. Lay down 2 joints of 2 7/8" drillpipe. TOH with directional assembly and Bit # 2RR. Retrieve MWD and Breakout Bit # 2RR. Change AKO on mud motor from 3.06° to 3.46°. Install MWD probe. Test MWD and mud motor, test good. Make up Bit # 3. TIH with directional assembly and Bit # 3 to 11,093'. Fill drillstring at 3000' - 6000' - 9000' - 11,000'. Install bearing pack. Slip and cut drilling line. Continue TIH with directional assembly and Bit # 3 to 11,405' with no hole problems. Wash and ream from 11,405' to 11,446' with no fill. Directional drill 4 3/4" hole. Slide drill from 11,446' to 11,467'. Connection and survey at 11,432' - 49.80° - 343.90 Azimuth. Directional drill 4 3/4" hole. Slide drill from 11,467' to 11,492'. Took a kick (10' to 12' Lazy flare) oil and gas on returns. Started circulating on choke with 24 spm at 2450 psi drillpipe pressure and 2250 psi on casing.		
08/10/2007	Depth	11,446	Daily Cost:	\$43,939
DRLG	Progress	96	Cumulative Costs:	\$2,608,095
AFE:	257078	Present Operation:	Circulate For Trip	
DFS:	118	Continue TOH with directional assembly and Bit # 2 to change mud motor. Retrieve MWD. Breakout and lay down mud motor. Breakout Bit # 2. Pick up new mud motor and make up. Change AKO to 3.06°. Scribe and install MWD probe. Test mud motor and test good. Make up Bit # 2RR. TIH with directional tools and Bit # 2RR to 11,311'. Fill drillstring every 3 rows. Install bearing pack at 11,000'. Pick up power swivel. Wash and ream from 11,311' to 11,350' with no fill. Directional drill 4 3/4" hole. Slide drill from 11,350' to 11,374'. Connection and survey at 11,339' - 20.70° - 340.50 Azimuth. Re-log from 11,342' to 11,374'. Directional drill 4 3/4" hole. Slide drill from 11,374' to 11,405'. Connection and survey at 11,370' - 30.70° - 346.50 Azimuth. Directional drill 4 3/4" hole. Slide drill from 11,405' to 11,423'. Work on mud pump # 2 and automatic driller. Directional drill 4 3/4" hole. Slide drill from 11,423' to 11,436'. Connection and survey at 11,401' - 41.10° - 346.00 Azimuth. Directional drill 4 3/4" hole. Slide drill from 11,436' to 11,446'. Take checkshot at 11,411'. Mud motor in hole is not yielding build rate required. Circulate for trip.		
08/09/2007	Depth	11,350	Daily Cost:	\$39,947
DRLG	Progress	15	Cumulative Costs:	\$2,564,156
AFE:	257078	Present Operation:	TOH With Directional Assembly	
DFS:	117	Continue TOH with directional assembly and Bit # 1. Retrieve MWD probe. Breakout Bit # 1. Change AKO from 2.57° to 3.06°. Scribe and install MWD probe. Test MWD and mud motor, test good. Make up Bit # 2. TIH with directional tools and Bit # 2. Fill drillstring every 3 rows. Service rig. Pick up power swivel and make up safety valve and saver sub. Setback power swivel. Continue TIH with directional tools and Bit # 2 to 11,280'. Fill drillstring every 3 rows. Install bearing pack at 11,000'. Pick up power swivel and TIH to 11,311' with no hole problems. Wash and ream from 11,311' to 11,335' with no fill. Take checkshot. Directional drill 4 3/4" hole. Slide drill from 11,335' to 11,342'. Connection and survey at 11,307' - 14.60° - 324.90 Azimuth. Directional drill 4 3/4" hole. Slide drill from 11,342' to 11,350'. Mud motor not reacting with MWD tool. TOH for mud motor. Lay down 2 joints of 2 7/8" drillpipe and setback power swivel. TOH with directional assembly and Bit # 2 to change mud motor.		

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

08/08/2007	Depth	11,335	Daily Cost:	\$61,082
DRLG	Progress	54	Cumulative Costs:	\$2,524,209
AFE: 257078	Present Operation: TOH With Directional Assembly			
DFS: 116	Slide drill and steer at 345° Azimuth from 11,281' to 11,282'. TOH with Gyro.Make connection and TIH with Gyro. Slide drill and steer at 345° Azimuth from 11,282' to 11,298'. Rig engine died and would not start.Circulate and rig crew troubleshoot the problem.Wait on mechanic and mechanic repaired. Slide drill and steer at 345° Azimuth from 11,298' to 11,315'. Rig engine died and would not start again.Wait on mechanic.Mechanic arrived and repaired problem with rig engine. Continue TOH with Gyro.Make connection and TIH with Gyro. Slide drill and steer at 345° Azimuth from 11,315' to 11,335'. TOH with Gyro and rig down Geo Gyro wireline unit. Pump 30 bbl high - vis sweep and circulate hole clean for TOH to dial up mud motor (3.05°). Setback power swivel and lay down 2 joints of 2 7/8" drillpipe. TOH with directional assembly and 2 7/8" drillpipe at 8176'.			
08/07/2007	Depth	11,281	Daily Cost:	\$97,190
DRLG	Progress	25	Cumulative Costs:	\$2,463,127
AFE: 257078	Present Operation: Directional Drill 4 3/4" Hole			
DFS: 115	Continue to circulate hole clean. Setback power swivel.TO H and lay down 5 joints of 2 7/8" drillpipe.Remove bearing pack. Perform BOP drill and held safety meeting to discuss BOP drill. Continue TOH with 2 7/8" drillpipe and Whipstock mills.Lay down whipstock mills. Pick up and make up directional tools.Scribe and install MWD probe.Test and test good.Make up Bit # 1. TIH with directional assembly and Bit # 1 to 11,220'.Fill drillstring at 3000' - 6000' - 9000' - 11,000'.Install bearing pack. Pick up power swivel and rig up wireline for Gyro.Held safety meeting. TIH with Gyro and orient toolface. Slide drill and steer at 343° Azimuth from 11,259' to 11,281'.			
08/06/2007	Depth	11,256	Daily Cost:	\$30,072
DRLG	Progress	-494	Cumulative Costs:	\$2,365,937
AFE: 257078	Present Operation: Circulate Hole Clean.			
DFS: 114	Continue TOH with Weatherford mills and 2 7/8" drillpipe.Break out and lay down mills. Pick up and make up Weatherford 4 1/2" Whipstock. TIH with Weatherford whipstock and 2 7/8" drillpipe. Suspend operations during high wind and rain. Resume TIH with Weatherford whipstock. Held safety meeting.Rig up Scientific Drilling wireline unit.TIH with Gyro and orient Weatherford Whipstock. Shear and Set Whipstock : Top of Whipstock at 11,243.89' - Top Of Window at 11,241.89' - Bottom of Window at 11,251.19' TOH with Gyro and rig down Scientific Drilling wireline unit. Pick up power swivel and install bearing pack.Cut Window from 11,251' to 11,256'. Circulate hole clean for TOH to pick up directional tools.			
08/05/2007	Depth	11,750	Daily Cost:	\$52,671
DRLG	Progress	0	Cumulative Costs:	\$2,335,865
AFE: 257078	Present Operation: TOH With 2 7/8" Drillpipe And Weatherford Mills			
DFS: 113	Continue TOH with setting tool and 5 1/2" CIBP.Troubleshoot logging tools and found bad connection in Gamma Ray tool. TIH with 5 1/2" CIBP.Log on depth with Halliburton Open Hole log dated 5-10-07.Set top of 5 1/2" CIBP at 11,259' (Wireline Depth). TOH with setting tool and rig down Express wireline. Remove v-door and catwalk.Rig up Elite pick up unit.Cut and slip drilling line.Move 2 7/8" drillpipe to rig pipe racks and strap. Make up BHA:Window mill - Watermelon mill - Crossover.TIH with 2 7/8" drillpipe off pipe racks (SLM) to 11,253'.Top of CIBP with Tally. Tag 5 1/2" CIBP with 18,000 lbs.Lay down 2 joints and rig down Elite pick up unit.Pik up power swivel and make up subs. Rig up Torqued Up pump truck and held safety meeting.Test pipe rams ,HCR and inside manual choke valve to 5000 psi for 10 minutes. Test good.Rig down Torqued up pump truck. TOH with Weatherford mills and 2 7/8" drillpipe to pick up Weatherford whipstock.			
08/04/2007	Depth	11,750	Daily Cost:	\$232,431
DRLG	Progress	0	Cumulative Costs:	\$2,283,194
AFE: 257078	Present Operation: TOH With Setting Tool And 5 1/2" CIBP(Misfire)			
DFS: 112	Continue to rig up Key # 92.Commence operations at 12:00 hrs (CST) on August 3, 2007. Held safety meeting.Nipple up BOPE.Function test BOPE. Install test plug.Test choke manifold valves,blind rams,and kill line valves to 250 psi low and 5000 psi high for 10 minutes on each test. Test good.Test annular to 250 psi low and 2500 psi ,10 minutes on each test.Test good.Retrieve test plug. Unable to test pipe rams,HCR valve,and inside choke valve due to incorrect sub provided by Nipple up company.Unable to test two safety valves and dart valve due to no test sub which was supposed to be provided by Nipple up crew.Tests will be completed prior to drilling. Rig up trip tank.Set catwalk and v-door. Rig up Express wireline.Held safety meeting.TIH with 4.750" Guage ring with Junk basket,Gamma Ray and CCL to 11,539' (W/L Depth). Log on depth with Halliburton open hole log dated 5-10-07.TO H with guage ring.TIH with CCL,Gamma Ray, setting tool and 5 1/2" CIBP. Log on depth with Halliburton open hole log dated 5-10-07.Attempt to set 5 1/2" CIBP at 11,259' (Wireline Depth). No surface indication that CIBP set (Misfire).TOH with 5 1/2" CIBP too confirm problem.			
05/15/2007	Depth	11,750	Daily Cost:	\$52,894
DRLG	Progress	0	Cumulative Costs:	\$2,050,763
AFE: 257078	Present Operation: Rig Down			
DFS: 31	Jet & Clean Pits Rig Down Prepare Rig F/ Trucks Rig Released @ 1200 Hours 5-14-07			

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

05/15/2007		Daily Cost:	\$17,649	
COMP		Cumulative Costs:	\$2,050,763	
AFE:	257078	Present Operation:	Rig Down	
DFS:	31	Jet & Clean Pits Rig Down Prepare Rig F/ Trucks Rig Released @ 1200 Hours 5-14-07		
05/14/2007		Daily Cost:	\$277,183	
COMP		Cumulative Costs:	\$1,980,220	
AFE:	257078	Present Operation:	Jet & Clean Pits	
DFS:	30	Circ. W/ Rig Pump R/U Halliburton & Cement 5 1/2" Csg. Water,Cement W/ 780 SKS Of Interfill H Lead Cement,@ 11.9 PPG,W/ 0.4% HR-601,5 lbm Gilsonite, 0.125 lbm Poly-E-Flake Tail W/ 585 SKS Of Permian Basin Super H Cement,@ 13.2 PPG W/ 0.5 Halad-344,0.25%D-Air,0.4% CFR-3, 1 LBM Salt,5 LBM Gilsonite,0.125 LBM Poly-E-Flake,0.35 % HR-7,Pumped @ 6 BBL/MIN,Drop Plug, DisplaceW/ 271 BBL Water, Slowed to 2 BBL Min,Bumped Plug, Lift Pressure @ 2000 psi,Pressure Up To 2500 psi,Bled off pressure, Floats Held,Had Full Returns Through Job, Est. Top Of Cement @ 4500' W.O.C. Nipple Down BOP'S,Pick Up Stack,Set Slips,200K,Cut Off, Install Tubing Head,Test To 5000 Psi Jet & Clean Pits		
05/13/2007		Daily Cost:	\$34,197	
COMP		Cumulative Costs:	\$1,703,037	
AFE:	257078	Present Operation:	Circ. 5 1/2" Csg. W/ Rig Pump	
DFS:	29	Lay Down Drill Pipe Break Kelly Lay Down Drill Pipe,HWD P & 6 1/2" DC'S Held Safety Meeting - Rig Up Csg. Crew & P/U Machine Run 281 Jts. 5 1/2" Csg. Circ. W/ Rig Pump		
05/12/2007		Daily Cost:	\$6,220	
COMP		Cumulative Costs:	\$1,668,840	
AFE:	257078	Present Operation:	Lay Down Drill Pipe	
DFS:	28	Run # 1 W/ MSCT-GR Log Run # 2 W/ MSCT-GR Log Run # 3 W/ MSCT-GR Log R/D Halliburton T.I.H. W/ RR # 7 Fill Avery 30 Stds. Wash & Ream 45' To Bottom No Fill Pump High Vis. Sweep & Circ. Out Lay Down Drill Pipe		
05/12/2007	Depth	11,750	Daily Cost:	\$90,989
DRLG	Progress	0	Cumulative Costs:	\$1,668,840
AFE:	257078	Present Operation:	Lay Down Drill Pipe	
DFS:	28	Run # 1 W/ MSCT-GR Log Run # 2 W/ MSCT-GR Log Run # 3 W/ MSCT-GR Log R/D Halliburton T.I.H. W/ RR # 7 Fill Avery 30 Stds. Wash & Ream 45' To Bottom No Fill Pump High Vis. Sweep & Circ. Out Lay Down Drill Pipe		
05/11/2007	Depth	11,750	Daily Cost:	\$36,210
DRLG	Progress	0	Cumulative Costs:	\$1,571,631
AFE:	257078	Present Operation:	Run Logs W/ Halliburton	
DFS:	27	T.O.O.H. 50 Std. Short Trip T.I.H. W/ Bit # 7 Pump High Vis. Sweep & Circ. Out T.O.O.H. W/ Bit # 7 F/ Logs L/D Motor & Monel DC , Pull Wear Ring R/U Halliburton & Run # 1 SDL,DSN,DLL,MGRD,CSNG,Tag TD @ 11,754' SDL,DLL,MGRD 11,754' - 5,194' CSNG,11,754' - 10,000' P.O.H. , G.I.H. W/ MSCT-GR		
05/10/2007	Depth	11,750	Daily Cost:	\$49,870
DRLG	Progress	277	Cumulative Costs:	\$1,535,421
AFE:	257078	Present Operation:	Pump High Vis. Sweep & Circ. Out	
DFS:	26	Drlg. F/ 11473-11750 WOB 50 RPM MOTOR 61 ROT 40 SPM 100 PSI 2200 ROP 13.1 Pump High Vis. Sweep & Circ. Out		
05/09/2007	Depth	11,473	Daily Cost:	\$31,244
DRLG	Progress	473	Cumulative Costs:	\$1,485,551
AFE:	257078	Present Operation:	Drilling	
DFS:	25	Drill F/ 11000-11090,WOB 50, RPM MOTOR 61, ROT 40, SPM 100, PSI 2250, ROP 18.0 Lubricate Rig Drill F/ 11090-11473,WOB 50,RPM MOTOR 61, ROT 40, SPM 100, PSI 2200,ROP 20.7 No Reported Show's. Mud Losses @ 6 BBI Per Hour		

CIMAREX ENERGY CO

429825-007.01 CIMAREX UNIVERSITY 18-41A 1H

County, St: Ward, TX

Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %

Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

05/08/2007	Depth	11,000	Daily Cost:	\$43,275
DRLG	Progress	261	Cumulative Costs:	\$1,454,307
AFE: 257078	Present Operation:	Drilling		
DFS: 24	Trip Out Of Hole, Lay Down Bit, Motor Pick Up Bit #7, Motor, Trip In Hole. Fill Pipe 2200',5100' Cut Drilling Line Trip In Hole, Fill Pipe @ 8000' Drill F/ 10739-11000,WOB 50, RPM MOTOR 61, ROT 40, SPM 100, PSI 2200, ROP 20.1 Mud Losses @ 6 BBI Per Hour After Getting Back On Bottom After Trip No Reported Show's			
05/07/2007	Depth	10,739	Daily Cost:	\$34,573
DRLG	Progress	448	Cumulative Costs:	\$1,411,032
AFE: 257078	Present Operation:	Trip Out Of Hole F/ Bit		
DFS: 23	Drill F/ 10291-10515,WOB 50, RPM MOTOR 61, ROT 40, SPM 100, PSI 2050,ROP 21.33 Lubricate Rig Drill F/ 10515-10739,WOB 50,RPM MOTOR 61, ROT 40, SPM 100, PSI 2150, ROP 21.33 Trip Out Of Hole F/ Bit No Reported Show's			
05/06/2007	Depth	10,291	Daily Cost:	\$28,574
DRLG	Progress	479	Cumulative Costs:	\$1,376,459
AFE: 257078	Present Operation:	Drilling		
DFS: 22	Drill F/ 9812-10004,WOB 40-50, RPM MOTOR 61, ROT 40, SPM 100, PSI 1950, ROP 29.5 Lubricate Rig Drill F/ 10004-10131,WOB 40-50,RPM MOTOR 61, ROT 40, SPM 100, PSI 1950, ROP 28.2 Work On Pason Hook Load, Drill F/ 10131-10230, WOB 40-50, RPM MOTOR 61, ROT 40, SPM 100, PSI 1950, ROP 24.75 Lost 200 PSI, Pump Soft Line Flag, Flag Hit @ 650 Strokes Trip Out Of Hole F/ Hole In Pipe Found Hole On Top Of Stand #50, Crack In Top Of Slip Area, Circulate Out Soft Line Trip In Hole, Fill Pipe Every 30 Stands Drill F/ 10230-10291, WOB 50, RPM MOTOR 61, ROT 40, SPM 100, PSI 1975, ROP 24.4 BOP Drill Both Crews, Good Reaction, Proper Procedures Plan To Displace Hole W/ Cut Brine, Raise Wt To 9.5 By 10500			
05/05/2007	Depth	9,812	Daily Cost:	\$40,488
DRLG	Progress	692	Cumulative Costs:	\$1,347,885
AFE: 257078	Present Operation:	Drilling		
DFS: 21	Drill F/ 9120-9270,WOB 40-45, RPM MOTOR 61, ROT 40, SPM 100, PSI 1950, ROP 33.3 Lubricate Rig Drill F/ 9270-9812,WOB 40-50, RPM MOTOR 61, ROT 40, SPM 100, PSI 1050, ROP 28.5 Plan To Displace Hole W/ 10# Brine @ 10500			
05/04/2007	Depth	9,120	Daily Cost:	\$35,661
DRLG	Progress	320	Cumulative Costs:	\$1,307,397
AFE: 257078	Present Operation:	Drilling		
DFS: 20	Drill F/ 8800-8937,WOB 50-55, ROT 60-65, SPM 100, PSI 1800, ROP 27.4 Lubricate Rig Drill F/ 8937-9047,WOB 50-55, ROT 60-65, SPM 100, PSI 1800, ROP 27.5, Lost 150 PSI Pump Soft Line, Flag Hit @ 680 Strokes Trip Out Of Hole F/ Hole In Pipe,Found Hole 50 Stands And Double Out, Crack Above Slip Area, Trip Out To Pick Up Motor Change Bit, Lay Down 6 Pt Reamer, Pick Up Motor Trip In Hole, Test Motor, Fill Pipe Every 30 Stands Wash And Ream 50' To Bottom, No Fill Drill F/ 9047-9120,WOB 40-45, RPM MOTOR 61, ROT 40, SPM 100, PSI 1950, ROP 29.2			
05/03/2007	Depth	8,800	Daily Cost:	\$33,264
DRLG	Progress	459	Cumulative Costs:	\$1,271,736
AFE: 257078	Present Operation:	Drilling		
DFS: 19	T.O.O.H. F/ Wash Out , Found Wash Out Jt. # 48 , Slip Area T.I.H. W/ Bit # 5 Wash & Ream 35' TO Bottom No Fill Drill F/ 8341-8394,WOB 50-55,ROT 65,SPM100,PSI 1775, ROP 17.66 Dev. Survey, Lubricate Rig Drill F/8394-8800,WOB 50-55, ROT 60-65, SPM 100, PSI 1800, ROP 25.3			
05/02/2007	Depth	8,341	Daily Cost:	\$27,668
DRLG	Progress	423	Cumulative Costs:	\$1,238,472
AFE: 257078	Present Operation:	T.O.O.H. F/ Wash Out		
DFS: 18	Drlg. F/ 7918-8341 WOB 50-55 ROT 60-65 SPM 100 PSI 1750 ROP 20.1 T.O.O.H. F/ Wash Out			
05/01/2007	Depth	7,918	Daily Cost:	\$78,400
DRLG	Progress	248	Cumulative Costs:	\$1,210,804
AFE: 257078	Present Operation:	Drlg		
DFS: 17	Drlg. F/ 7670-7851 WOB 50-55 ROT 60-65 SPM 100 PSI 1950 ROP 22.6 Wire Line Survey @ 7756' 1.49 Degree Drlg. F/ 7851-7898 WOB 50-55 ROT 60-65 SPM 100 PSI 1950 ROP 18.8 Pump Flag F/ Wash Out - Found Hole Jt. # 5 HWDP - T.O.O.H. W/ Bit # 4 T.I.H. W/ Bit # 5 Cut Drill Line T.I.H. W Bit # 5 Wash & Ream 65' To Bottom No Fill Drlg. F/ 7898-7918 WOB 40 ROT 60 SPM 100 PSI 1750 ROP 20.0 Water Flow 10 bbls per hour			

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County, St: Ward, TX
 Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

04/30/2007	Depth	7,670	Daily Cost:	\$41,802
DRLG	Progress	640	Cumulative Costs:	\$1,132,404
AFE: 257078	Present Operation: Drilling			
DFS: 16	Drlg. F/ 7030-7342 WOB 50-55 ROT 60-65 SPM 100 PSI 1950 ROP 29.7 Wire Line Survey @ 7247' 1.01 Degree Drlg. F/ 7342-7670 WOB 50-55 ROT 60-65 SPM 100 PSI 1965 ROP 25.2			
04/29/2007	Depth	7,030	Daily Cost:	\$25,973
DRLG	Progress	805	Cumulative Costs:	\$1,090,602
AFE: 257078	Present Operation: Drilling			
DFS: 15	T.I.H. W/ Bit # 4 Wash & Ream 60' To Bottom No Fill Drlg. F/ 6225-6291 WOB 50-55 ROT 60-65 SPM 100 PSI 1870 ROP 33.0 Wire Line Survey @ 6196' 0.25 Degree Drlg. F/ 6291-7030 WOB 50-55 ROT 60-65 SPM 100 PSI 1850 ROP 39.9			
04/28/2007	Depth	6,225	Daily Cost:	\$33,588
DRLG	Progress	700	Cumulative Costs:	\$1,064,629
AFE: 257078	Present Operation: T.I.H. W/ Bit # 4			
DFS: 14	Drlg. F/ 5525-5715 WOB 50-55 ROT 60-65 SPM 100 PSI 1750 ROP 47.5 Wire Line Survey @ 5620 0.25 Degree Drlg. F/ 5715-6225 WOB 50-55 ROT 60-65 SPM 100 PSI 1600 ROP 42.5 Pump Flag - T.O.O.H. For Hole T.O.O.H. W/ Bit # 4 T.I.H. W/ Bit # 4 , Pull & Replace MWD Tool & Test			
04/27/2007	Depth	5,525	Daily Cost:	\$46,387
DRLG	Progress	329	Cumulative Costs:	\$1,031,041
AFE: 257078	Present Operation: Drilling			
DFS: 13	Test BOP'S & Choke Manifold 5000 PSI High,250 Low,Annular 2500 PSI Center BOP'S & Hook Up Flow Line Strap & Caliber BHA - P/U Bit,6 Pt. Roller RMR,Monel,Install MWD Tool & Test, P/U 21 - 6 1/2" DC'S T.I.H. W/ Bit # 4 - L/D 9Jts. D.P. Drlg. Cement F/ 5100-5109 & Test Csg. 1500 PSI OK Drlg. Plug & Float Collar F/ 5109-5112 Drlg. Cement F/ 5112-5195 - Drlg. Shoe @ 5196 Drlg. F/ 5196-5204 Test Formation Pressure Drop @ 955 PSI EQ Mud Wt. 11.8 Drlg. F/ 5204-5525 WOB 40-55 ROT 55-60 SPM 100 PSI 1775 ROP 45.8			
04/26/2007	Depth	5,196	Daily Cost:	\$77,318
DRLG	Progress	0	Cumulative Costs:	\$984,654
AFE: 257078	Present Operation: Test BOP'S			
DFS: 12	Wait On Halliburton Mechanic To Repair Motor F/ Air Compressor on Cement Bulk Bin - 5 Hours Total Held Safety Meeting , Test Lines , Cement W/ Halliburton Pump 25 BBLS. Fresh Water Spacer,Pump Lead 1675 SKS Interfill C .@ 11.9 lb/gal,2.45 Yield ft3/sk.@ 6 bbl/min,Pozmix 37 lbm,Bentonite 8.4 lbm, - Pump Tail 250 SKS,Premium Plus Mixed @ 14.8 lb/gal,1.32 Yield ft3/sk,Pump Displacement @ 7.5 bbl/min. - Bump Plug @ 11:11 - Floats Held Had Circ. Threw Out All Job - Circ. 225 BBLS - 520 SKS to pit W.O.C. Cut Off 13 3/8" csg. - Make rough cut on 9 5/8" Csg. - Make Final Cut on 9 5/8" csg. Weld On 9 5/8" Head & Test 1000 PSI OK Nipple Up BOP'S & Choke Manifold Test BOP'S & Choke Manifold 5000 PSI High,250 Low,Annular 2500 PSI			
04/25/2007	Depth	5,196	Daily Cost:	\$217,226
DRLG	Progress	0	Cumulative Costs:	\$907,336
AFE: 257078	Present Operation: Cement Bulk Bin,Motor F/ Air Compressor Down			
DFS: 11	30 Stand Short Trip, No Drag Coming Out Or In, Wash To Bottom No Fill Pump High Vis Sweep, Circulate Out Trip Out Of Hole R/U - L/D Machine L/D 13-8" DC'S,1-Monel DC, 2- 12 1/4" Roller RMR'S, 1- Shock Sub, 1-12 1/4" Bit R/U Casing Crew - Held Safety Meeting Run 9 5/8" Csg. Circ. W/ Rig Pump & Rig Down Csg. Crew & P/U Machine Motor For Air Compressor Down on Cement Bulk Bin			
04/24/2007	Depth	5,196	Daily Cost:	\$32,424
DRLG	Progress	436	Cumulative Costs:	\$690,110
AFE: 257078	Present Operation: Short Trip			
DFS: 10	Drill F/ 4760-4981,WOB 40-55, ROT 75, SPM 140, PSI 2550, ROP 24.5 Lubricate Rig Drill F/4981-5076,WOB 55,ROT 75,SPM140,PSI 2600,ROP 19.0 Wire Line Survey, Install Fluid Caliper Wire Line Depth 4900, 1.29 Deg Drill F/ 5076-5196,WOB 55-60, ROT 75,SPM 140, PSI 2600, ROP 17.1 Pump 50 BBI High Vis Sweep, Circulate Out 30 Stand Short Trip			
04/23/2007	Depth	4,760	Daily Cost:	\$25,234
DRLG	Progress	478	Cumulative Costs:	\$657,686
AFE: 257078	Present Operation: Drilling			
DFS: 9	Drill F/ 4282-4473,WOB 45, ROT 75-80, SPM 140, PSI 2550, ROP 19.1 Lubricate Rig Drill F/ 4473-4760,WOB 45-55, ROT 75, SPM 140, PSI 2550, ROP 21.2			

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County, St: Ward, TX
 Location:

Spud Date: 04/14/2007 W.I. Pct BCP: 50.00 %
 Formation: W.I. Pct ACP: 50.00 %
 Prop Depth: 15500 Sec/TS/Rng: 41

04/22/2007	Depth	4,282	Daily Cost:	\$25,792
DRLG	Progress	597	Cumulative Costs:	\$632,452
AFE: 257078	Present Operation: Drilling			
DFS: 8	Drill F/ 3685-3836,WOB 20-55, ROT 75, SPM 140, PSI 2500, ROP 30.2 Lubricate Rig Drill F/ 3836-4282,WOB 40-55, ROT 75-80, SPM 140, PSI 2525, ROP 24.0			
04/21/2007	Depth	3,685	Daily Cost:	\$71,293
DRLG	Progress	405	Cumulative Costs:	\$606,660
AFE: 257078	Present Operation: Drilling			
DFS: 7	Drill F/ 3280-3485,WOB 55, ROT 80, SPM 150, PSI 2700, ROP 25.6 Lubricate Rig Drill F/ 3485-3635,WOB 55, ROT 75-80, SPM 150, PSI 2700,ROP 30.0 Lost 150 PSI,Pump Soft Line, Hit @ 360 Strokes Trip Out Of Hole F/ Hole In Pipe Found Hole In Crack,Bottom of Tool Jt. On HWDP, 4th Jt. From Top, Trip Out To Bit Change Bit, Pull Survey Tool, Test MWD, Trip In Hole, Fill Pipe @ 1300' Wash And ream 110' Through Bridge, And On To Bottom, No Fill On Bottom Drill F/ 3635-3685,WOB 55, ROT 75, SPM 140, PSI 2500, ROP 25.0 Received 123 Jts 9 5/8, Had 122 Good Jts, 5194' Of Good Pipe, CVD By Garrison Bro's, N-80 40#			
04/20/2007	Depth	3,280	Daily Cost:	\$31,801
DRLG	Progress	716	Cumulative Costs:	\$535,367
AFE: 257078	Present Operation: Drilling			
DFS: 6	Drill F/ 2564-2660,WOB 20-40, ROT 80, SPM 150, PSI 2550, ROP 38.4 Lubricate Rig Drill F/ 2660-2945,WOB 20-50, ROT 80, SPM 150, PSI 2650, ROP 31.6 MWD Survey, Work W/ MWD Tool Drill F/ 2945-3280,WOB 55, ROT 80, SPM 150, PSI 2700, ROP 29.1			
04/19/2007	Depth	2,564	Daily Cost:	\$27,702
DRLG	Progress	0	Cumulative Costs:	\$503,566
AFE: 257078	Present Operation: Drilling			
DFS: 5	Drill F/ 1483-1675,WOB 20-50,ROT 75,SPM 150,PSI 2475, ROP 38.4 MWD Survey Drill F/1675-1770,WOB 20-50, ROT 75-80, SPM 150, PSI 2500, ROP 47.5 Lubricate Rig Drill F/ 1770-2056,WOB 20-50, ROT 75-80, SPM 150, PSI 2500, ROP 57.2 Wire Line Survey Drill F/ 2056-2564,WOB 15-45,ROT 75-80, SPM 150, PSI 2550, ROP 48.3			
04/18/2007	Depth	1,483	Daily Cost:	\$27,762
DRLG	Progress	658	Cumulative Costs:	\$475,864
AFE: 257078	Present Operation: Drilling			
DFS: 4	Install MWD Tool & Test,Pull MWD Tool & Change Out Tool,Outlet,,Install MWD Tool & Test,OK T.I.H. W/ Bit # 2 - P/U ,2-Roller RMR'S & Drilling Jars Drill Cement, Float Equipment F/ 780-825 Drill F/ 825-1292,WOB 15-50,ROT 55-80,SPM 150, PSI 2300, ROP 42.45 Survey, Install Rotating Head Drill F/ 1292-1356,WOB 15-40, ROT 75-80, SPM 150, ROP 42.6 Lubricate Rig Drill F/ 1356-1483,WOB 15-45, ROT 75-80, SPM 150, PSI 2450, ROP 42.3			
04/17/2007	Depth	825	Daily Cost:	\$105,102
DRLG	Progress	0	Cumulative Costs:	\$448,102
AFE: 257078	Present Operation: T.I.H. W/ Bit # 2			
DFS: 3	Rig Up Csg. Crew & P/U Machine Held Safety Meeting W/ Bull Rogers,Casing Crew & P/U Machine Run 19 Jts. 13 3/8" Csg. To 825' Circ. 13 3/8" Csg. W/ Rig Pump Test Halliburton Lines & Cement W/ Halliburton 0.125 Poly-E-Flake,12.8 Wt,1.87 Yield, Mix @ 10.09 Gal Water,Tail W/ 340 Sacks Premium Plus W 25 Calcium Chloride, 14.8 Wt, 1.35 Yield,Mix @ 6.37 Gal Water, Displace W/ 121 BBLS Water@ 5 BBLS Min,Slowed to 2 BBLS W/ 249 Psi Bump Plug, Pressure Up To 750,Psi Bled Off Pressure, Floats Held. Returnedf 210 Sacks, Cement To Surface , Plug Down @ 16:00 Hours. WOC Cut Off 20' Conductor,Weld on Flange to 13 3/8" Conductor, Nipple Up Rot. Head,Flow Line, Turnbuckles,Jet & Clean Pits, Hook up Lines To Brine Water Pit,Fill Pits W/ Brine Water P/U Bit # 2 ,Shock Sub, Monel DC,MWD Tool , Test MWD Tool,2-Roller RMR			
04/16/2007	Depth	825	Daily Cost:	\$25,262
DRLG	Progress	555	Cumulative Costs:	\$343,000
AFE: 257078	Present Operation: Rig Up Csg. Crew			
DFS: 2	Drlg. F/ 270-564 WOB 50 ROT 60-80 SPM 160 PSI 1850 ROP 34.5 Wire Line Survey @ 514' 0.93 Degree DRlg. F/ 564-606 WOB 50-60 ROT 60-80 SPM 160 PSI 1850 ROP 42.0 Repair Rotary Chain Drlg. F/ 606-825 WOB 50-60 ROT 60-80 SPM 160 PSI 1900 ROP 36.5 Pump High Vis. Sweep Trip Out Of Hole To Conductor Trip In Hole Pump High Vis. Sweep & Circ. Out Trip Out Of Hole , Lay Down RMR & Bit - No Drag			
04/15/2007	Depth	270	Daily Cost:	\$42,570
DRLG	Progress	270	Cumulative Costs:	\$317,738
AFE: 257078	Present Operation: Drilling			
DFS: 1	Rig Up -Floor, Flow Line,Pick Up Swivel,Kelly,Strap & Caliper,BHA Mix Spud Mud & Test Mud Lines Drlg. F/ 70-270 WOB 5-40 ROP 50-80 SPM 140 PSI 1325 ROP 18.1			

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County, St: Ward, TX

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Formation: W.I. Pct ACP: 50.00 %

Prop Depth: 15500 Sec/TS/Rng: 41

04/14/2007	Depth	0	Daily Cost:	\$275,168
DRLG	Progress	0	Cumulative Costs:	\$275,168
AFE: 257078	Present Operation:	MIRU		
DFS: 0	MIRU			