

42-475-35281

CIMAREX ENERGY CO**424093-064.01 CIMAREX UNIVERSITY 18-38 2H**County, St: Ward, TX
Location: SEC. 18, BLK. 38Spud Date: 09/30/2007 W.I. Pct BCP: 100.00 %
Formation: rd Bone Spgs, Lower D Sa W.I. Pct ACP: %
Prop Depth: 16100 Sec/TS/Rng: 18

09/15/2009	Daily Cost:	\$5,900
WO	Cumulative Costs:	\$43,950
AFE: 379456CW	Present Operation:	POOH & LAY DOWN 2-7/8" TBG & PACKER.
DFS: 716		CONTINUED TRYING TO RELEASE PACKER WITH NEGATIVE RESULTS. RU PUMP TRUCK TO TBG & PUMPED 60 BBLS WATER WHILE WORKING WITH PACKER. PULLED 110,000# ON PACKER, WOULD NOT RELEASE. CALLED FOR POWER SWIVEL. RU POWER SWIVEL STARTED TURNING ON TBG & WORKING WITH PACKER. TORQUED UP SWIVEL TO 1500# & PULLED UP TO 115,000# ON TBG & PACKER WITH NO SUCCESS. WORKED WITH STUCK PACKER FOR 6 HRS WITH NO SUCCESS, RD POWER SWIVEL. SIW & SDFN (CALLED FOR WIRELINE TO CHEMICAL CUT 2-7/8" TBG IN THE AM).
09/14/2009	Daily Cost:	\$13,550
WO	Cumulative Costs:	\$38,050
AFE: 379456CW	Present Operation:	POOH AND LAY DOWN 2-7/8" TBG & PACKER.
DFS: 715		ROAD RIG FROM EAST BARSTOW TO WARWINK, RU PU. BLED DOWN PRESSURE ON CASING. CASING STARTED FLOWING, RU PUMP TRUCK TO CASING & PUMPED 100 BBLS BRINE WATER. RU PUMP TRUCK TO TBG & PUMPED 30 BBLS BRINE WATER TO KILL WELL. NDWH & NU BTI SPOOL & NUBOP. BJ PACKER HAND TRIED TO RELEASE ARROW-SET PACKER. WORKED WITH PACKER, PULLING 35 PTS OVER STRING WEIGHT AND TURNING WITH TONGS. MADE SEVERAL ATTEMPTS, PACKER WOULD NOT RELEASE. PULLED 35 PTS TENSION IN PACKER & LEFT OVERNIGHT. SIW & SDFN
09/11/2009	Daily Cost:	\$5,800
WO	Cumulative Costs:	\$24,500
AFE: 379456CW	Present Operation:	CLEAN OUT WELL WITH COIL TBG PRIOR TO RE-FRAC
DFS: 712		RIGGED DOWN BJ COIL TBG UNIT & BTI FLOW BACK MANIFOLD. SETTING 500 BBL FRAC TANKS & LOADING WITH FRESH WATER FOR FRAC JOB. RIGGED UP WSI WIRELINE & RIH WITH 1-3/8" SINKER BAR & COLLAR LOCATOR ON WIRELINE. WENT THRU PACKER @ 10,529' & RSB PACKER @ 10,572', WENT DOWN TO 10,700'. DID NOT TAG ANYTHING. POOH & RD WIRELINE, LEFT WELL OPEN TO FLOWLINE.
09/10/2009	Daily Cost:	\$18,700
WO	Cumulative Costs:	\$18,700
AFE: 379456CW	Present Operation:	CLEAN OUT WELL WITH COIL TBG PRIOR TO RE-FRAC
DFS: 711		208 BO, 101 BW, 216 MCF, CP-583, TP-165 CLEAN OUT WELL WITH COIL TBG PRIOR TO RE-FRAC MIRU BJ COIL TBG UNIT & BTI FLOW BACK MANIFOLD. MIRU 500 BBL FRAC TANK & LOADED WITH 500 BBLS FRESH WATER. MIRU 500 BBL TEST TANK & RU TO MANIFOLD. RIH WITH 1-1/4" WASH NOZZEL ON BJ 1-1/4" COIL TBG. PUMPING AT 1/4 BPM FLUID & 300 SCFPM NITROGEN WITH 1/4 BPM RETURNS. RIH WITH COIL & WASH NOZZEL TO 6,000' & LOST RETURNS. INCREASED NITROGEN TO 700 SCFPM & 1/4 BPM FLUID RATE. REGAINED RETURNS & RIH TO 10,571' (TOP OF RSB PACKER) AND TAGGED. WORKED COIL TBG UP & DOWN, COULD NOT GO THRU PACKER, LOST RETURNS. STOPPED PUMPING FLUID, WENT TO STRAIGHT NITROGEN @ 1/2 BPM 700 SCF. REGAINED CIRCULATION AND STACKED 1000# ON COIL, WAS UNABLE TO GO THRU PACKER. STOPPED PUMPING NITROGEN & SLUGGED COIL WITH 5 BBLS FLUID, TRYING TO MOVE WASH NOZZEL. ASSUMING THE WASH NOZZEL IS TAGGING THE SIDE OF THE PACKER. WAITED 13 MIN. FOR FLUID TO HIT BOTTOM, STILL TAGGING TOP OF PACKER WITH NOZZEL. SET 1000# WEIGHT ON PACKER AGAIN WITH NEGATIVE RESULTS. LOST CIRCULATION. STARTED POOH WITH COIL TBG & TOOLS. REGAINED CIRCULATION & FINISHED POOH WITH COIL TBG & TOOLS. SIW & SDFN
09/09/2009	Daily Cost:	\$0
PROD	Cumulative Costs:	\$411,744
AFE: 379226WE	Present Operation:	
DFS: 710		216 BO, 108 BW, 186 MCF, CP-583, TP-160
09/08/2009	Daily Cost:	\$0
PROD	Cumulative Costs:	\$411,744
AFE: 379226WE	Present Operation:	
DFS: 709		213 BO, 98 BW, 218 MCF, CP-587, TP-165
09/07/2009	Daily Cost:	\$0
PROD	Cumulative Costs:	\$411,744
AFE: 379226WE	Present Operation:	
DFS: 708		216 BO, 99 BW, 213 MCF, CP-592, TP-180
09/06/2009	Daily Cost:	\$0
PROD	Cumulative Costs:	\$411,744
AFE: 379226WE	Present Operation:	
DFS: 707		219 BO, 100 BW, 110 MCF, CP-593, TP-160

CIMAREX ENERGY CO
424093-064.01 CIMAREX UNIVERSITY 18-38 2H

County, St: Ward, TX

Location: SEC. 18, BLK. 38

 Spud Date: 09/30/2007 W.I. Pct BCP: 100.00 %
 Formation: rd Bone Spgs, Lower D Sa W.I. Pct ACP: %
 Prop Depth: 16100 Sec/TS/Rng: 18

DFS: 724 BLED DOWN WELL, RU WSI WIRELINE & RIH WITH 2.350" GAUGE RING AND COLLAR LOCATOR. TAGGED TOP OF FISH @ 10,517'. WENT DOWN 21' THRU TBG AND TAGGED STANDING VALVE @ 10,538'. (THIS CONFIRMED STEEL LINE MEASUREMENT FROM YESTERDAY THAT PACKER HAD DROPPED 35', NOW ON TOP OF RSB PACKER). POOH WITH WIRELINE & TOOLS, RD WIRELINE. POOH WITH 2-7/8" TBG & OVERSHOT. RIH WITH 4-11/16" OVERSHOT W/2-7/8" GRAPPEL & 3' EXTENSION ON TOP, 2-7/8" X 8' SUB, AND 316 JTS 2-7/8" TBG. SIW & SDFN

09/22/2009 Daily Cost: \$8,400
 WO Cumulative Costs: \$144,309

AFE: 379456CW Present Operation: POOH & LAY DOWN TBG & PACKER.

DFS: 723 OPENED WELL HAD NO PRESSURE. RIH WITH 4-11/16" OVERSHOT WITH 3' EXTENSION ON TOP, 2 JTS 2-7/8" TBG, 2-7/8" x 8" TBG SUB, 322 JTS 2-7/8" TBG & 24' OF 2-7/8" SUBS. SET DOWN OVER FISH WITH OVERSHOT. RU SWAB TOOLS & STARTED SWABBING WELL. INITIAL FLUID LEVEL @ 7100' FROM SURFACE. MADE 8 SWAB RUNS. FLUID LEVEL WENT FROM 7,100' FROM SURFACE TO 6,660', 3,200', & 3,600'. WELL STARTED FLOWING. FLOWED BACK 2 BBLS FLUID, STARTED SWABBING AGAIN, FLUID LEVEL @ 3,700' FROM SURFACE. MADE 1 SWAB RUN, FLUID LEVEL @ 1200' FROM SURFACE, WELL STARTED FLOWING. MADE TOTAL OF 10 SWAB RUNS, RECOVERED 65 BBLS OF WATER & OIL. RD SWAB TOOLS, SIW & SDFN

09/21/2009 Daily Cost: \$3,500
 WO Cumulative Costs: \$135,909

AFE: 379456CW Present Operation: CLEAN OUT WELL WITH COIL TBG PRIOR TO RE-FRAC

DFS: 722 OPENED WELL, HAD NO PRESSURE, SIW & SDFN (WILL RIH WITH OVERSHOT & 2-7/8" TBG & SET DOWN OVER FISH & SWAB WELL DOWN TOMORROW).

09/19/2009 Daily Cost: \$9,250
 WO Cumulative Costs: \$132,409

AFE: 379456CW Present Operation: POOH AND LAY DOWN TBG & PACKER.

DFS: 720 FINISHED POOH WITH REMAINDER OF 2-7/8" TBG, ACCELERATOR SUB, DRILL COLLARS, BUMPER SUB, JARS, AND OVERSHOT WITH GRAPPEL. SIW & SDFN

09/18/2009 Daily Cost: \$24,050
 WO Cumulative Costs: \$123,159

AFE: 379456CW Present Operation: POOH & LAY DOWN TBG & PACKER

DFS: 719 RU PUMP TRUCK TO TBG & PUMPED 131 BBLS OF WATER TO ESTABLISH CIRCULATION. RU PUMP TRUCK TO CASING & PUMPED 220 BBLS OF WATER & HIT FLUID. PUMPED ADDITIONAL 200 BBLS WATER TRYING TO CLEAN UP AROUND FISH. CIRCULATED 290 BBLS WATER TO TEST TANK. STARTED TURNING TBG WITH POWER SWIVEL TRYING TO RELEASE OVERSHOT WITH NO SUCCESS. RU GRAY WIRELINE AND RIH WITH COLLAR LOCATOR & 1" STRING SHOT. GOT ON DEPTH, PULLED TBG OFF SLIPS AND TORQUE UP TBG 10 TURNS. FIRED JAR SHOT IN OVERSHOT @ 10,482', DID NOT APPPEAR THAT THE SHOT FIRED. POOH WITH WIRELINE & TOOLS, SHOT DID NOT FIRE DUE TO RUBBING WIRE BARE GOING IN THE HOLE. MADE UP ANOTHER STRING SHOT AND RIH WITH COLLAR LOCATOR & STRING SHOT, GOT ON DEPTH. PULLED TBG OFF SLIPS & TORQUE UP TBG 10 TURNS. FIRED JAR SHOT, LOST ALL TORQUE, APPEARS THE OVERSHOT RELEASED. POOH WITH WIRELINE & TOOLS, RD WIRELINE. TORQUED UP TBG WHILE PULLING UP HOLE, POOH WITH 25 JTS 2-7/8" TBG. SIW & SDFN WILL FINISH POOH WITH TBG & TOOLS IN THE AM.

09/17/2009 Daily Cost: \$15,350
 WO Cumulative Costs: \$99,109

AFE: 379456CW Present Operation: POOH & LAY DOWN TBG & PACKER

DFS: 718 RIH WITH REMAINDER OF 2-7/8" TBG, ACCELERATOR SUB, DRILL COLLARS, BUMPER SUB, JARS, & OVERSHOT. LATCHED ON TO FISH WITH OVERSHOT AND STARTED JARRING ON PACKER. JARRED ON PACKER FOR 8 HRS WITH NEGATIVE RESULTS. COULD NOT JAR PACKER LOOSE, TRIED TO RELEASE OVERSHOT OFF FISH. RU POWER SWIVEL & TORQUED UP ON TBG, MADE SEVERAL ATTEMPTS TO RELEASE OVERSHOT, WAS UNSUCCESSFUL. SIW & SDFN

09/16/2009 Daily Cost: \$39,809
 WO Cumulative Costs: \$83,759

AFE: 379456CW Present Operation: POOH & LAY DOWN TBG & PACKER

DFS: 717 RU PUMP TRUCK TO CASING & PUMPED 50 BBLS BRINE WATER TO KILL WELL. RU WSI WIRELINE & RIH WITH 1-7/16" FREE POINT TOOL & COLLAR LOCATOR. FOUND TBG 100% FREE @ 10,495' & 100% STUCK @ 10,504' AT PACKER. POOH WITH WIRELINE AND TOOLS. RIH WITH 2-1/8" CHEMICAL CUTTER, GOT ON DEPTH AND CUT TBG @ 10,482', 20' ABOVE THE SN OF TOP OF PACKER. POOH & RD WIRELINE. POOH WITH 322 JTS 2-7/8" TBG, 10' CUT OFF, & 10 WEATHERFORD GAS LIFT VALVES. THE VALVE WAS BROKEN OFF OF THE 3rd GAS LIFT VALVE FROM SURFACE. THE VALVE SHOULD BE LAYING ON TOP OF THE PACKER. PICKED UP & RIH WITH 4-11/16" OVERSHOT WITH 2-7/8" GRAPPEL, BUMPER SUB, WEATHERFORD JARS, 4- 3-1/2" DRILL COLLARS, ACCELERATOR SUB & 52 JTS 2-7/8" TBG. WILL RIH WITH REMAINDER OF TBG & TOOLS IN THE MORNING. SIW & SDFN

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Formation: rd Bone Spgs, Lower D Sa W.I. Pct ACP: %
Prop Depth: 16100 Sec/TS/Rng: 18

10/05/2009		Daily Cost:	\$10,700
WO		Cumulative Costs:	\$523,804
AFE:	379456CW	Present Operation:	CLEAN OUT WELL AFTER FRAC JOB.
DFS:	736		RIH WITH 20 STDS 2-7/8" TBG & TAGGED TOP OF RSB PACKER W/BIT, NO SAND. POOH WITH 2-7/8" TBG, LAID DOWN 6-1/8" BIT & BIT SUB. RIH WITH 1 JOINT 2-3/8" MULE-SHOE JT & 325 JTS 2-7/8" TBG & BROKE CIRCULATION. TAGGED SAND WITH MULE-SHOE AT TOP OF PACKER. CLEANED OUT SAND 30' BELOW PACKER, CIRCULATED HOLE CLEAN. POOH WITH 84 JTS 2-7/8" TBG. SIW & SDFN
10/03/2009		Daily Cost:	\$7,550
WO		Cumulative Costs:	\$513,104
AFE:	379456CW	Present Operation:	CLEAN OUT WELL AFTER FRAC JOB.
DFS:	734		RU STRIPPER HEAD, RIH WITH 9 STDS TBG & BROKE CIRCULATION. TAGGED SAND AND CLEANED OUT HOLE TO 10,563' (TOP OF RSB PACKER). HAD SAND & GEL WATER THROUGH OUT THE CLEAN OUT. CIRCULATED HOLE CLEAN, POOH & STOOD BACK 20 STDS TBG. SIW & SDFSUNDAY
10/02/2009		Daily Cost:	\$9,650
WO		Cumulative Costs:	\$505,554
AFE:	379456CW	Present Operation:	CLEAN OUT WELL AFTER FRAC JOB.
DFS:	733		FINISHED POOH WITH REMAINDER OF 2-7/8" TBG & PEAK SEAL ASSEMBLY. RU WEAHTERFORD REVERSE UNIT. PICKED UP & RIH WITH 6-1/8" BIT, BIT SUB, AND 2-7/8" TBG, TAGGED SAND @ 9933'. PUH AND STOOD BACK 10 STDS TBG. SIW & SDFN (WILL CLEAN OUT CASING IN THE AM)
10/01/2009		Daily Cost:	\$9,700
WO		Cumulative Costs:	\$495,904
AFE:	379456CW	Present Operation:	CLEAN OUT WELL AFTER FRAC JOB.
DFS:	732		PICKED UP & RIH WITH PEAK SEAL ASSEMBLY, 306 JTS 2-7/8" TBG, AND 10 WEATHERFORD GAS LIFT VALVES THROUGH OUT THE STRING. TAGGED SAND @ 9,933'. RSB PACKER @ 10,572'. POOH & STOOD BACK 10 STDS 2-7/8" TBG. SIW & SDFN
09/30/2009		Daily Cost:	\$4,350
WO		Cumulative Costs:	\$486,204
AFE:	379456CW	Present Operation:	RIH WITH 2-7/8" TBG & GAS LIFT VALVES.
DFS:	731		WELL HAD NO PRESSURE. ROAD KEY RIG FROM MIDLAND TO LOCATION. RU PU, ND BTI FRAC VALVE, NU SPOOL & NUBOP. SIW & SDFN (WILL RIH WITH PEAK SEAL ASSEMBLY, GAS LIFT VALVES & 2-7/8" TBG IN THE AM).
09/29/2009		Daily Cost:	\$312,995
WO		Cumulative Costs:	\$481,854
AFE:	379456CW	Present Operation:	RE-FRAC THE BONE SPRINGS FORMATION.
DFS:	730		MIRU STINGER ISOLATION TOOL, RU HALLIBURTON FRAC EQUIPMENT. HELD SAFETY MEETING, TESTED LINES TO 10,000 PSI. PUMPED 365,985 GALS XL BORATE & 41,700 GALS 20# LINEAR WITH 775, 190# VERSA PROP DOWN 7" 26# CASING. MAX TREATING PRESSURE-5130 PSI, AVG TREATING PRESSURE-3264 PSI. MAX RATE-71.5 BPM, AVG RATE-47.7 BPM. FINAL ISIP-3708 PSI, 15 MIN ISIP-3600 PSI. TOTAL LOAD TO RECOVER 9,707 BBLS FLUID. RD HALLIBURTON AND STINGER ISOLATION TOOL. RU BTI FLOW BACK MANIFOLD, 2 HRS AFTER FRAC JOB, CASING PRESSURE 2900 PSI. SIW, WILL FLOW BACK IN THE AM.
09/25/2009		Daily Cost:	\$4,250
WO		Cumulative Costs:	\$168,859
AFE:	379456CW	Present Operation:	PREPARE WELL TO FRAC.
DFS:	726		RIGGED DOWN PULLING UNIT & MOVED OFF LOCATION. WILL FRAC WELL TUESDAY MORNING (9-29-09).
09/24/2009		Daily Cost:	\$8,450
WO		Cumulative Costs:	\$164,609
AFE:	379456CW	Present Operation:	POOH & LAY DOWN TBG & PACKER.
DFS:	725		FINISHED RIH WITH 2-7/8" TBG, LATCHED ON TO FISH WITH OVERSHOT. POOH & LAID DOWN 324- JTS 2-7/8" TBG, 2-7/8"X 8' SUB, OVERSHOT W/GRAPPEL & SUB, ARROW-SET 1 PACKER & GAS LIFT VALVE. RECOVERED EVERYTHING OUT OF THE HOLE. RU BTI FRAC VALVE. SIW & SDFN
09/23/2009		Daily Cost:	\$11,850
WO		Cumulative Costs:	\$156,159
AFE:	379456CW	Present Operation:	POOH & LAY DOWN TBG & PACKER.

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County, St: Ward, TX

Location: SEC. 18, BLK. 38

Spud Date: 09/30/2007 W.I. Pct BCP: 100.00 %
Formation: rd Bone Spgs, Lower D Sa W.I. Pct ACP: %
Prop Depth: 16100 Sec/TS/Rng: 18

DFS: 739 TUBING PRESSURE 400 PSI, BLEED DOWN PRESSURE. PICKED UP AND TIH WITH BAKER 1.72" BUTTERFLY MILL & 1.69" MOTOR ON CUDD 1-1/4" COIL TBG. ESTABLISHED CIRCULATION @ 1/4 BPM FLUID & 300 SCFPM NITROGEN. WITH COIL AND TOOL @ 10,500' INCREASED RATE TO 1/2 BPM FLUID & 400 SCFPM NITROGEN. WASHED THRU BRIDGE @ 11,628' WITH GOOD RETURNS. WASHED DOWN THRU 1.75" PORT AT 12,445' DOWN TO 12,470' WITH 3/4 BPM RETURNS OF SOME SAND & WATER. PUH TO 11,200' ABOVE WINDOW & CIRCULATED FOR 10 MIN & LOST CIRCULATION @ 2:00 PM. PUH TO 9200', REGAINED CIRCULATION @ 1/4 BPM & 500 SCFPM NITROGEN. STARTED CIRCULATING MORE SAND & WATER BACK WITH 1/4 BPM RETURNS. TIH TO 11,200' AND CIRCULATED BOTTOMS UP @ 1/4 BPM FLUID & 500 SCFPM N2 WITH 1/2 BPM RETURNS, WITH WATER & SLIGHT SAND. TIH TO 12,445' & WASHED DOWN TO 12,600', PUH TO 12,400'. TIH TO 12,600' & WASHED DOWN TO 12,700', PUH TO 12,400'. TIH TO 12,700' & WASHED DOWN TO 12,800', PUH TO 12,400'. TIH TO 12,800' & WASHED DOWN TO 12,900' AT 1/4 BPM FLUID & 500 SCFPM N2 WITH 3/4 BPM RETURNS WITH SLIGHT OIL SHOW, WATER, SLIGHT SAND. PUH TO 12,400' CIRCULATED, WASHED DOWN TO 13,000' WITH GOOD RETURNS. PUH TO 11,200', CIRCULATED BOTTOMS UP FOR 45 MIN. TOH WITH COIL TBG & TOOLS. PUMPED 389,000 SCF NITROGEN & PUMPED 190 BBLS WATER. RECOVERED 310 BBLS WATER. SIW & SDFN

10/07/2009 Daily Cost: \$22,100
WO Cumulative Costs: \$559,254

AFE: 379456CW Present Operation: CLEAN OUT WELL AFTER FRAC JOB.

DFS: 738 MIRU CUDD COIL TBG UNIT & BTI FLOW BACK MANIFOLD & FLOW BACK TANK. TIH WITH 1-1/4" WASH NOZZEL ON 1-1/4" COIL TBG, ESTABLISHED CIRCULATION AT 1/4 BPM FLUID & 300 SCFPM NITROGEN. AT 10,500' RAISED NITROGEN RATE TO 500 SCFPM WITH 1/4 BPM FLUID RATE. TAGGED SAND @ 10,580'. WASHED THRU SAND WITH 3/4 BPM RETURNS, SOME SAND & WATER. TIH 50' AT A TIME WITH NOZZEL & PULLING BACK UP HOLE. RAISED NITROGEN RATE TO 600 SCFPM @ 11,500'. PULLED BACK UP HOLE ABOVE WINDOW @ 11,235' WITH GOOD CIRCULATION. TIH AND TAGGED @ 11,628' WASHED ON SAND FOR 3 HRS WITH NEGATIVE RESULTS. RETURNS 1/2 BPM WITH SOME SAND, WATER, & SLIGHT OIL SHOW. CIRCULATED HOLE CLEAN & TOH WITH COIL TBG AND WASH NOZZEL. PUMPED 253,000 SCF NITROGEN & 152 BBLS WATER. RECOVERED 320 BBLS WATER. SIW & SDFN

10/06/2009 Daily Cost: \$13,350
WO Cumulative Costs: \$537,154

AFE: 379456CW Present Operation: RIH WITH 2-7/8" TBG & GAS LIFT VALVES, PREPARE TO CLEAN OUT WELL.

DFS: 737 FINISHED POOH WITH 2-7/8" TBG & 2-3/8" MULE-SHOE JOINT. PICKED UP AND RIH WITH PEAK SEAL ASSEMBLY, 324 JTS 2-7/8" TBG, 10 WEATHERFORD GAS LIFT MANDRELS, AND 1-2-7/8"X 10' SUB & 2-7/8"X 8' SUB. LATCHED INTO RSB PACKER WITH SEAL ASSEMBLY, PULLED 12 PTS OVER STRING WEIGHT TO INSURE SEAL ASSEMBLY WAS LATCHED INTO PACKER. SET DOWN 10 PTS COMPRESSION ON TBG & SEAL ASSEMBLY. NDBOP & SPOOL & NUWH. SIW & SDFN RD & MOL (WILL RU COIL TBG UNIT IN THE AM TO CLEAN OUT WELL)

Tbg Detail	Length	Depth
KB	15.00	15.00
2-7/8" TBG SUBS	18.00	33.00
66 JTS 2-7/8" L-80 TBG	2150.65	2183.65
1 WEATHERFORD GAS LIFT MANDREL		4.10 2187.75
58 JTS 2-7/8" L-80 TBG	1891.86	4079.61
1 WEATHERFORD GAS LIFT MANDREL		4.10 4083.71
49 JTS 2-7/8" L-80 TBG	1598.33	5682.04
1 WEATHERFORD GAS LIFT MANDREL		4.10 5686.14
38 JTS 2-7/8" L-80 TBG	1237.89	6924.03
1 WEATHERFORD GAS LIFT MANDREL		4.10 6928.13
31 JTS 2-7/8" L-80 TBG	998.95	7927.08
1 WEATHERFORD GAS LIFT MANDREL		4.10 7931.18
23 JTS 2-7/8" L-80 TBG	749.99	8681.17
1 WEATHERFORD GAS LIFT MANDREL		4.10 8685.27
14 JTS 2-7/8" L-80 TBG	442.58	9127.85
Total	9127.85	

Tubing Detail	Length	Depth
1 GAS LIFT MANDREL	4.1	9131.95
15 JTS 2-7/8" L-80 TBG	455.6	9587.55
1 GAS LIFT MANDREL	4.1	9591.65
14 JTS 2-7/8" L-80 TBG	444.09	10035.74
1 GAS LIFT MANDREL	4.1	10039.84
14 JTS 2-7/8" L-80 TBG	456.22	10496.06
1 GAS LIFT MANDREL	4.1	10500.16
2 JTS 2-7/8" L-80 TBG	64.63	10564.79
Peak Seal Assembly	1.15	10565.94

Total 10565.94



Cimarex Energy Co.

Well History

01/01/1900 - 12/31/2076

OPERATED

WARWINK WEST PROSPECT

<u>CIMAREX ENERGY CO</u>		Spud Date:	09/30/2007	W.I. Pct BCP:	100.00 %
424093-064.01	CIMAREX UNIVERSITY 18-38 2H	Formation:	rd Bone Spgs, Lower D Sa	W.I. Pct ACP:	%
County, St:	Ward, TX	Prop Depth:	16100	Sec/TS/Rng:	18
Location:	SEC. 18, BLK. 38				

10/13/2009 Daily Cost: \$1,200
WO Cumulative Costs: \$621,054
AFE: 379456CW Present Operation: START UP COMPRESSOR AND START FLOWING WELL.
DFS: 744 STARTED COMPRESSOR @ 9:00 AM, WENT DOWN SEVERAL TIMES. THE COMPRESSOR WILL NOT RUN ON WELL-HEAD GAS, TOO MUCH NITROGEN. SWITCHED OVER TO OTHER LEASE GAS TO OPERATE COMPRESSOR. AT 10:00 PM WELL HAD KICKED 7 TIMES AND RUNNING OK. CASING PRESSURE 920# AND TBG PRESSURE 120# WITH INJECTION RATE @ 300 MCF. PUMPER REPORTED THIS MORNING WELL WENT DOWN AT 12:30 LAST NIGHT ON COMPRESSOR UNDER SPEED. WELL PRODUCED 72 BOPD, 166 BWPD, & 44 MCFPD. STARTED COMPRESSOR UP THIS MORNING @ 7:00 AM. TOTAL LOAD TO RECOVER 9,530 BBLS.

10/12/2009 Daily Cost: \$6,200
WO Cumulative Costs: \$619,854
AFE: 379456CW Present Operation: FLOW BACK WELL & START UP COMPRESSOR.
DFS: 743 TBG PRESSURE 400 PSI, OPENED WELL ON 18/64 CHOKE & FLOWED BACK WELL TO TEST TANK. FLOWED FOR 2 HRS & WELL DIED, RECOVERED 18 BBLS OIL AND 5 BBLS WATER. RIGGED DOWN PULLING UNIT. ROUSTABOUTS RU SAND SEPARATOR AND NU FLOWLINE TO TBG & CASING. HAD TROUBLE STARTING THE COMPRESSOR. CALLED FOR CSI MECHANIC. THE MECHANIC CHANGED OUT BATTERY IN MURPHY SWITCH PANEL DISPLAY. STARTED COMPRESSOR @ 4:30 PM WITH 750 PSI CASING PRESSURE & 30 PSI TBG PRESSURE. WELL KICKED @ 8:30 PM & UNLOADED FLUID, AT 920 PSI CASING PRESSURE & 100 PSI TBG PRESSURE. COMPRESSOR DIED WAS UNABLE TO RESTART. WILL RESTART IN THE AM & WATCH WELL FOR THE REMAINDER OF THE DAY.

10/10/2009 Daily Cost: \$5,700
WO Cumulative Costs: \$613,654
AFE: 379456CW Present Operation: SWAB WELL & FLOW BACK TO TEST TANK.
DFS: 741 MIRU PU, TBG PRESSURE 900 PSI, BLED DOWN PRESSURE 90% NITROGEN. RU SWAB TOOLS, INITIAL FLUID LEVEL @ 3200'. MADE 16 SWAB RUNS, FLUID LEVEL STAYING AT 2800'. RECOVERED 75 BBLS FLUID WITH 20% OIL CUT. RD SWAB TOOLS. SIW FOR PRESSURE BUILD UP. SDFSUNDAY.

10/09/2009 Daily Cost: \$16,800
WO Cumulative Costs: \$607,954
AFE: 379456CW Present Operation: CLEAN OUT WELL AFTER FRAC JOB.
DFS: 740 TBG PRESSURE 900 PSI, BLED DOWN PRESSURE, 90% NITROGEN. TIH WITH 1-1/4" WASH NOZZEL ON CUDD 1-1/4" COIL TBG. ESTABLISHED CIRCULATION AT 1/4 BPM FLUID & 400 SCFPM NITROGEN. RAISED NITROGEN RATE TO 500 SCFPM AT 10,500'. TIH TO 13,450' PUMPING 1/4 BPM FLUID & 500 SCFPM NITROGEN, COMBINED RATE OF 1.2 BPM WITH 1/2 BPM RETURNS. CIRCULATING WATER WITH 10% OIL CUT. STARTED PUH, OIL CUT INCREASED TO 40% AFTER CIRCULATING 15 BBLS OIL, RETURNS TURNED TO ALL WATER. PUH TO 13,000' & LOST CIRCULATION. PULLED UP HOLE TO 10,900' AND REGAINED CIRCULATION. @ 1/4 BPM & 500 SCFPM NITROGEN. TIH TO 11,200' AND CIRCULATED BOTTOMS UP FOR 45 MIN. TOH WITH COIL & NOZZEL, PUMPING STRAIGHT NITROGEN. PUMPED TOTAL OF 265,000 SCF NITROGEN. PUMPED 140 BBLS FLUID AND RECOVERED 340 BBLS FLUID. RD CUDD COIL TBG UNI, SIW & SDFN. (WILL RUPU & SWAB WELL IN THE AM)

10/08/2009 Daily Cost: \$31,900
PROD Cumulative Costs: \$591,154
AFE: 379456CW Present Operation: CLEAN OUT WELL AFTER FRAC JOB.