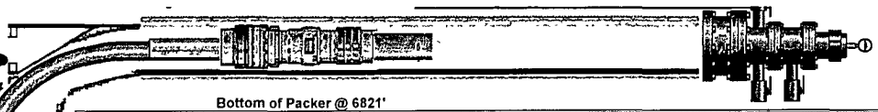
Peak Completion Technologies



Bottom of Packer @ 6821'

KOP 7000 FT

End Of Curve @ 7333'

3.563 ID Strta-Port
Depth 7464
Shear Pressure 2352 psi
Activate with 3 3/4" Ball

#8 Predator Packer
Depth 7565
Shear Pressure 1784 psi

3.281 ID Strta-Port
Depth 7825
Shear Pressure 2352 psi
Activate with 3 1/2" Ball

#7 Predator Packer
Depth 8086
Shear Pressure 1784 psi

3.031 ID Strta-Port
Depth 8500
Shear Pressure 2352 psi
Activate with 3 1/4" Ball

#6 Predator Packer
Depth 8607
Shear Pressure 1784 psi

2.782 ID Strta-Port
Depth 8790
Shear Pressure 2352 psi
Activate with 3" Ball

#5 Predator Packer
Depth 9050
Shear Pressure 1784 psi

2.563 ID Strta-Port
Depth 9310
Shear Pressure 2352 psi
Activate with 2 3/4" Ball

#4 Predator Packer
Depth 9570
Shear Pressure 1784 psi

2.281 ID Strta-Port
Depth 10350
Shear Pressure 2352 psi
Activate with 2 1/2" Ball

#3 Predator Packer
Depth 10089
Shear Pressure 1784 psi

2.032 ID Strta-Port
Depth 10870
Shear Pressure 2352 psi
Activate with 2 1/4 Ball

#2 Predator Packer
Depth 10613
Shear Pressure 1784 psi

1.782 ID Strta-Port
Depth 10870
Shear Pressure 2352 psi
Activate with 2" Ball

#1 Predator Packer
Depth 11133
Shear Pressure 1784 psi

Hydro-Pak Anchor
Depth 11405
Shear Pressure 1484 psi

Pump Out Plug
Shear Pressure 4800 psi

Pump Out Plug @ 11495'

TOTAL MEASURED DEPTH @ 11658'

DOWN HOLE WELL PROFILE

WELL NAME	Cimares Energy Glycerin 10 Federal Com #1H	DATE	10/6/09
SUPERVISOR	Jeff Lajoie	TOOL HAND	Ray Lollar
PHONE #		PHONE #	432-425-2193
RIG #	Patriot Driling Rig #4	FIELD TICKET #	4857

ELEVATIONS

KB ELEV	GL ELEV	KB TO THF	KB TO SCF	RIG KBD	PBTD
				19	
CASING / OPEN HOLE LAYOUT		OD (IN)	LANDED DEPTH	WEIGHT (LB/FT)	TOP OF (FTKB)
CASING DESCRIPTION		7	6900'	26	
WINDOW DESCRIPTION					
OPEN HOLE DESCRIPTION		6 1/8	11658.00	JUNCTION @	7000.00

DESCRIPTION

STEERING DIRECTIONS

DOWNHOLE DESCRIPTION FROM BOTTOM UP (Liner String)

BOTTOM @	DESCRIPTION	LENGTH	ID	OD
11495.00	3 3/4 Peak Pump Out Plug (Shear Out at 4800 psi)	0.90	0.75	3.75
11494.10	3 1/2 8rd pin x 4 1/2 LTC box P-110	1.00	2.99	5.00
11493.10	2 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (1-2)	84.88	4.00	4.50
11408.22	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.50
11406.16	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
11405.58	7 x 4 1/2 Peak Open Hole Hydra-Pak II Anchor	4.31	4.00	5.87
11401.27	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
11395.15	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (3-8)	259.51	4.00	4.50
11135.64	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.00
11133.58	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
11133.00	7 x 4 1/2" Peak Predator 10K Extreme Service Open Hole Packer w/HPHT Element Sy	3.98	4.00	5.88
11129.02	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
11122.90	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (9-14)	252.85	4.00	4.50
10870.05	7 x 4 1/2 Peak Strata-Port Frac Sleeve with 1.782 ID Seat (2" Ball)	3.50	1.78	5.88
10866.55	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (15-20)	250.85	4.00	4.50
10615.70	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.50
10613.64	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
10613.06	7 x 4 1/2" Peak Predator 10K Extreme Service Open Hole Packer w/HPHT Element Sy	3.98	4.00	5.88
10609.08	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
10602.96	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (21-26)	251.87	4.00	4.50
10351.09	7 x 4 1/2 Peak Strata-Port Frac Sleeve with 2.032 ID Seat (2 1/4" Ball)	3.50	2.03	5.88
10347.59	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (27-32)	255.26	4.00	4.50
10092.33	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.50
10090.27	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
10089.69	7 x 4 1/2" Peak Predator 10K Extreme Service Open Hole Packer w/HPHT Element Sy	3.98	4.00	5.88
10085.71	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
10079.59	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (33-38)	251.42	4.00	4.50
9828.17	7 x 4 1/2 Peak Strata-Port Frac Sleeve with 2.281 ID Seat (2 1/2" Ball)	3.50	2.28	5.88
9824.67	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (39-44)	253.88	4.00	4.50
9570.79	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.50
9568.73	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
9568.15	7 x 4 1/2" Peak Predator 10K Extreme Service Open Hole Packer w/HPHT Element Sy	3.98	4.00	5.88
9564.17	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
9558.05	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (45-50)	252.83	4.00	4.50
9305.22	7 x 4 1/2 Peak Strata-Port Frac Sleeve with 2.563 ID Seat (2 3/4" Ball)	3.50	2.53	5.88
9301.72	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (51-56)	254.21	4.00	4.50
9047.51	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.50
9045.45	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
9044.87	7 x 4 1/2" Peak Predator 10K Extreme Service Open Hole Packer w/HPHT Element Sy	3.98	4.00	5.88
9040.89	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
9034.77	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (57-62)	251.79	4.00	4.50
8782.98	7 x 4 1/2 Peak Strata-Port Frac Sleeve with 2.782 ID Seat (3" Ball)	3.50	2.78	5.88
8779.48	4 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (63-66)	169.45	4.00	4.50
8610.03	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.50
8607.97	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
8607.39	7 x 4 1/2" Peak Predator 10K Extreme Service Open Hole Packer w/HPHT Element Sy	3.98	4.00	5.88
8603.41	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
8597.29	2 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (67-68)	84.26	4.00	4.50
8513.03	7 x 4 1/2 Peak Strata-Port Frac Sleeve with 3.031 ID Seat (3 1/4"Ball)	3.50	3.03	5.88
8509.53	10 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (69-78)	420.61	4.00	4.50
8088.92	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.50
8086.86	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
8086.28	7 x 4 1/2" Peak Predator 10K Extreme Service Open Hole Packer w/HPHT Element Sy	3.98	4.00	5.88
8082.30	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
8076.18	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (79-84)	251.16	4.00	4.50
7825.02	7 x 4 1/2 Peak Strata-Port Frac Sleeve with 3.281" ID Seat (3 1/2" Ball)	3.50	3.28	5.88
7821.52	6 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (85-90)	253.27	4.00	4.50
7568.25	4 1/2" x 2' P-110, 11.6# Liner Sub	2.06	4.00	4.50
7566.19	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00	5.88
7565.61	7 x 4 1/2" Peak Predator 10K Extreme Service Open Hole Packer w/HPHT Element Sy	3.98	4.00	5.88
7561.63	4 1/2" x 6' P-110, 11.6# Liner Sub	6.12	4.00	4.50
7555.51	2 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 LTC Threads (91-92)	91.90	4.00	4.50
7463.61	7 x 4 1/2 Peak Strata-Port Frac Sleeve with 3.563 ID Seat (3 3/4" Ball)	3.50	3.56	5.88
7460.11	4 1/2 LTC pin x 4 1/2 BTC box cross over	1.16	4.00	4.50
7458.95	15 Joints 4 1/2", P-110, 11.6# Liner with 4 1/2 BTC Threads (1-15)	637.05	4.00	4.50
6821.90	4 1/2" x 2' P-110, 11.6# Liner Sub with 4 1/2 BTC Threads	1.99	4.00	5.88
6819.91	7 x 4 1/2 SMP-X Extreme Service Liner Hanger with HPHT 10K Element System	8.99	4.00	5.88
6810.92	Peak TLC Running Tool Adaptor with	2.75	4.00	5.93
6808.17	4 1/2; x 4" Bore Peak T-5 Three Lug Gudgion	2.50	4.00	5.00
6805.67	3 1/2 IF box Drill Pipe Adaptor	0.85	4.00	4.50
6804.82	3 1/2 IF Drill Pipe Sub	7.63	2.76	3.50
6797.19	215 Joints (71 stands & 2 singles) 3 1/2 IF, 13.3# Drill Pipe to Surface	6809.01	2.60	3.50
-11.82	Stick Up		2.76	3.50
	0			

WEIGHT OF TUBING STRING		TOTAL STRING LENGTH	11506 82
PUSH / PULL TEST		STICK-UP OFF RIG FLOOR	11 82
LINER STRING WEIGHT		TUBING BOTTOM	11495 00

***** CONFIDENTIAL *****

NOT TO BE DISCLOSED OUTSIDE

****Cimarex Energy Company****