



NIGHTHAWK PRODUCTION LLC

John Craig 1-2
NE NE Sec 2, T10S, R56W
LINCOLN COUNTY, COLORADO
API No. 05-73-06549-00

Not to scale

Prepared By: Harold Mayland
Date: 12/9/2013

ELEVATION			
R.B.	5,282'	Geological tops:	Cherokee 7290
G.L.	5,267'	Niobrara	3270
KB	15'	Cheyenne	4597
BHT	192'	Stone Correl	5709
Spud date:	10/21/13	Wolfcamp	5977
Completion		LKC	6768
		Marmaton	7030
Lat: 39.21179			
Long: -103.62395			
1222' FNL 665' FEL			

Drilled hole 12 1/4"
SURFACE CSG: 8 5/8" 24# J55 ST&C @ 336'
Cmt: 147 sks "G" 14 PPG, 1.54 yield
7 bbls cmt to surface

Drilled hole 7 7/8"
Production Casing: 5 1/2" 17# N80 LT&C @ 8,430'
Lead cmt: 1082 sks TXT Lite, 1.79 yield
Tail cmt: 300 sks TXI Lite, 1.88 yield

TOC 1,370'

5 1/2" 17# J55		2 7/8" J55 EU 8RD		2 7/8" X 5 1/2"	
I.D.	4.892	I.D.	2.441		
Drift	4.767	Drift	2.347		
Burst	7740	Burst	7,260		
Lin ft/bbl	43.01	Lin ft/bbl	172.7500	Lin ft/bbl	65.71
BBL/linft	0.0232	BBL/linft	0.00579	BBL/linft	0.0152

Tubing	Avg Jt length	Qty	Length	Depth in hole
KB difference			14.00	14.00
2 7/8" EU 8RD J55 tbg		237	7,652.57	7,666.57
2 7/8" X 5 1/2" TAC		1	2.70	7,669.27
2 7/8" EU 8RD J55 tbg		6	195.17	7,864.44
2 7/8" EU 8RD seating nipple		1	1.10	7,865.54
2 7/8" EU 8RD J55 tbg		1	32.55	7,898.09
2 7/8" x 6" Perf Pup		1	6.20	7,904.29
2 7/8" x 2 3/8" x-over		1	0.70	7,904.99
2 3/8" XN Nipple 1.81'		1	1.10	7,906.09
2 3/8" x 8" pup it		1	7.73	7,913.82
2 3/8" tap bull plug		1	0.70	7,914.52
Rods				
Polish rod 1 1/2" x 30' w/1/4" Liner		1		
7/8" rods EL		159		
3/4" rods EL		144		
1 1/2" K bars		10		
7/8" X 2' Stabilizer pony rod		1		
2 1/2" x 2" x 26' RWBC 230" stroke				

NOTE:

11/20/13 Perf Spergen 8,062'-8,090', swabbed dry.
11/21/13 Set CIBP @8,050', Perf Morrow 7,836'-7,840'
11/25/13 Perf Morrow 7,816'-7,828'

