



NIGHTHAWK PRODUCTION LLC

SALEN 14-35
SE SW Sec 35, T5S, R54W
WASHINGTON COUNTY, COLORADO
API No. 05-121-011045-00

ELEVATION
R.B. 5,175
G.L. 5,160
KB 15'
BHT
BHP
Spud date: 09/08/14
TD Date: 09/24/14
Completion

Lat: 39.568290
Long: 103.398360
792' FSL 2214' FWL

Not to scale

Prepared By: Harold Mayland
Date: 9/29/2014

Geological tops:

Niobrara	3660	Atoka	7686
Dakota	4574	Morrow	7853
Stone Correl	5982	M 2	7996
Wolfcamp	6181	M 1	8001
LKC	6875	Spergen	8032
Marmaton	7160	Simpson	8119
Cherokee	7377	Granite Wa	8263

Drilled hole 12 1/4"
SURFACE CSG: 8 5/8" 24# J55 ST&C @ 360'
Cmt: 175 sks Class 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 @ 8,304'
Cmt: Leed: 913 skx TIX 12 ppg
Cmt: Tail: 306 skx TIX 13 ppg
Cmt to surface, 90 bbls

Production Tubing

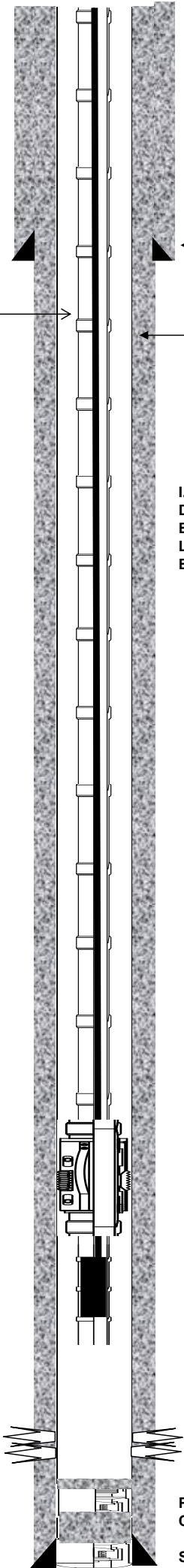
5 1/2" 17# N80		2 7/8" J55 EU 8RD		2 7/8" X 5 1/2"	
I.D.	4.892	I.D.	2.441		
Drift	4.767	Drift	2.347		
Burst	7,740	Burst	7,260		
Lin ft/bbl	43.01	Lin ft/bbl	172.7500	Lin ft/bbl	65.71
BBL/linft	0.0232	BBL/linft	0.00579	BBL/linft	0.0152

	Qty	Length	Depth in hole
Tubing	Avg Jt length		
KB difference		12.00	12.00
Stretch			12.00
2 7/8" EU 8RD J55 tbg			12.00
TAC			12.00
2 7/8" EU 8RD J55 tbg			12.00
Seating Nipple			12.00
2 7/8" X 6' Perforated pup jt			12.00
2 7/8" EU 8RD J55 tbg			12.00
2 7/8" X 3' Perforated pup jt			12.00
2 7/8" X 2 3/8" X over			12.00
2 3/8" TXN nipple 1.875" 1.791 No go			12.00
2 3/8" X 6' pup jt			12.00
2 3/8" tap bull plug.			12.00
Total Jts			12.00
Rods			
Polish rod 1 1/2" x 22'			
Pony rod 1" x 4' EL			
1" rods EL			
7/8" rods EL			
3/4" rods EL			
K-bars			
1" x 2' pony rod			
2 1/2" x 2" X 26" RWBC			

NOTE:

7,160'-7,164'
7,228'-7,230'
Cherokee
7,424'-7430'
8,072'-8,080'
8,114'-8,124'

Future Perforations



PBTD @
Collar @ 8,213'

Shoe @ 8,304

TD 8,310'