



NIGHTHAWK PRODUCTION LLC

Taos 1-10
NE NE Sec 10, T6S, R54W
LINCOLN COUNTY, COLORADO
API No. 05-73-06520-00

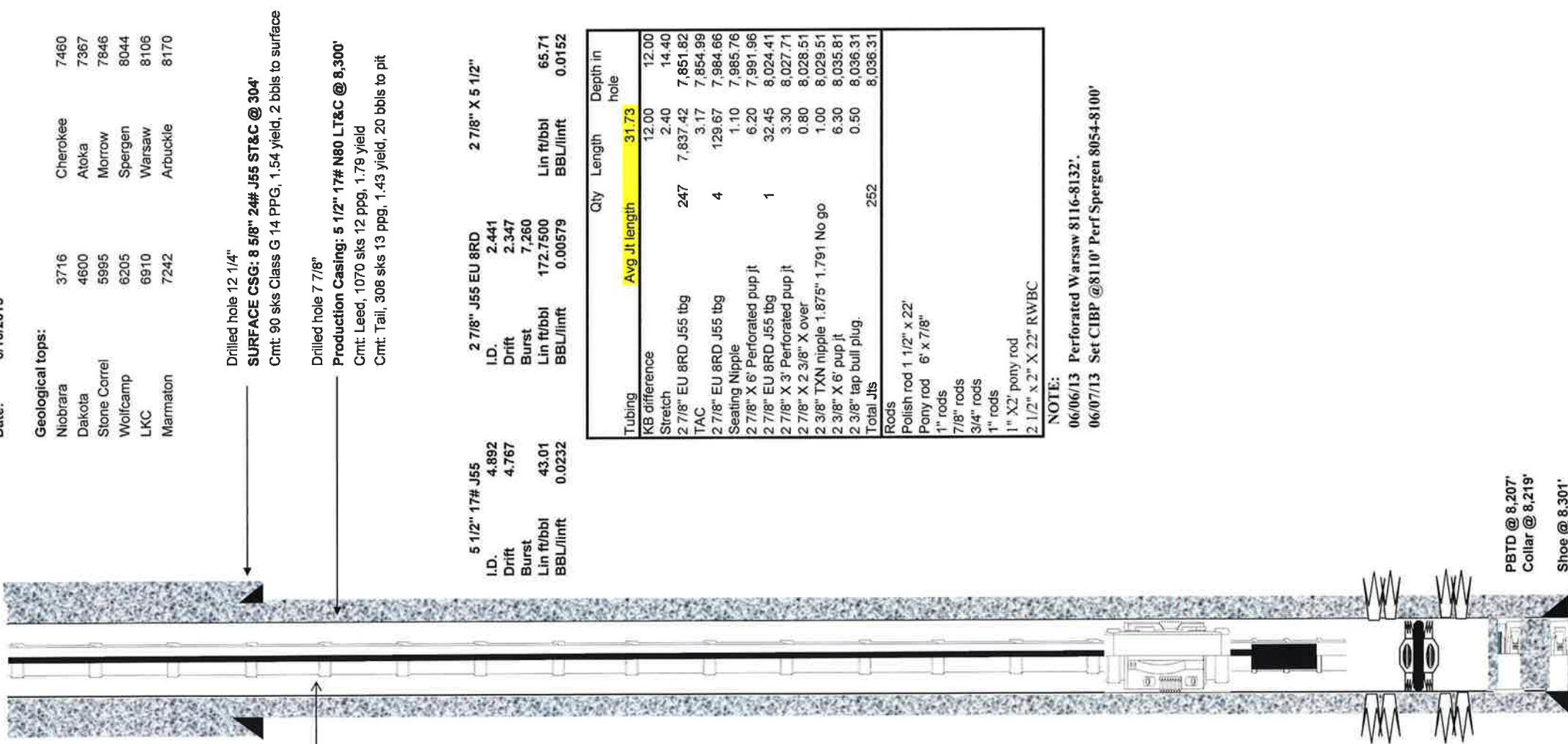
ELEVATION
R.B. 5,228
G.L. 5,213
KB 15'
BHT 211°
BHP
Spud date: 04/24/13
Completion 06/10/13

Lat: 38.547420
Long: 103.419820
1,091' FNL 852' FEL

Prepared By: Harold Mayland
Date: 6/10/2013

Geological tops:
Niobrara 3716 Cherokee 7460
Dakota 4600 Atoka 7367
Stone Correl 5995 Morrow 7846
Wolfcamp 6205 Spergen 8044
LKC 6910 Warsaw 8106
Marmaton 7242 Aruckle 8170

Not to scale



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

Tubing	Qty	Length	Depth in hole
KB difference		Avg. Jt length 31.73	12.00
Stretch			2.40
2 7/8" EU 8RD J55 tbg	247		7,837.42
TAC			3.17
2 7/8" EU 8RD J55 tbg	4		129.67
Seating Nipple			1.10
2 7/8" X 6' Perforated pup jt			6.20
2 7/8" EU 8RD J55 tbg	1		32.45
2 7/8" X 3' Perforated pup jt			3.30
2 7/8" X 2 3/8" X over			0.80
2 3/8" TXN nipple 1.875" 1.791 No go			1.00
2 3/8" X 6' pup jt			6.30
2 3/8" tap bull plug			0.50
Total Jts	252		8,036.31
Rods			
Polish rod 1 1/2" x 22'			
Pony rod 6' x 7/8"			
1" rods			
7/8" rods			
3/4" rods			
1" rods			
1" X2' pony rod			
2 1/2" x 2" X 22" RWBC			

NOTE:
06/06/13 Perforated Warsaw 8116-8132'.
06/07/13 Set CIBP @8110' Perf Spergen 8054-8100'

Spergen
8,054-8,100'

Warsaw
8,116-8,132'

PBTD @ 8,207'
Collar @ 8,219'
Shoe @ 8,301'

TD 8,318'