

Well / Battery Krager 22-12	Prospect Name DOC IV	Total Depth 6,467'	Est. Start Date 2/1/2015
Location NWSW	Sec-Twn-Rng 22-8N-58W	Producing Horizon D SAND	County & State Weld , CO

AFE Description
Krager 22-12 P&A

WELLBORE DIAGRAM - BEFORE

Prepared Date: 3/31/14
Prepared By: Lance Bentley

General Info

API #: 05-123-21395

KB Elevation: 4,728'
GL Elevation: 4,718'

Spud Date: 07-03-2003
Completion Date: 07-18-2003

TVD: 6,467'
MD: 6,467'
Last PBTD: 6,421' (7/25/13)
Original PBTD: 6,467'

Tubing Detail

2-3/8" inch(OD)
4.7 # (weight)
J-55 grade

Tubing Tally	Length	Depth
203 jts 2-3/8" tbg	###	6124
5-1/2" x 2-3/8" TAC	3	6127
6 jts 2-3/8" tbg	189	6316
2-3/8" SN	1	6317
1 - 4' perf sub	4	6321
1 jt 2-3/8" MA	20	6341

Pump Details:
2" x 1-1/2" x 16' RHBC

Pumping Unit Details:

Well Notes:

Surface Casing

8-5/8" inch (OD)
24 # (weight)
N-24 grade
278 depth from KB
Surface cement top
155 sacks of cement
12-1/4" inch (OD) HOLE SIZE

DV tool @ 1,099'

125 sacks of cement through port collar
cemented 1,099' to surface
Visual Returns
06/2004

Rod Design	length	depth
22' polished rod	22	22
2', 2', 4', 6, 8' 7/8" subs	14	36
66 - 7/8" rods	1650	1686
184 - 3/4" rods	4600	6286
16' pump	16	6302

Production Casing

5-1/2" inch (OD)
16 # (weight)
J-55 grade
6,464' depth from KB
5,157' cement top
200 sacks of cement
7-7/8" inch (OD) HOLE SIZE
1,099' Port collar depth
125 sks of cement
Surface cement top

Open Perforations

6,298' - 6,308' 40 holes
DSND
0.3875"

PBTD: 6,421' (7/25/13)