

Permit Information:

Well Name: Boysenberry 2 State No. 702H

Location:

SL: 200' FSL & 330' FWL, Section 2, T-20-S, R-35-E, Lea Co., N.M.

BHL: 230' FNL & 330' FWL, Section 2, T-20-S, R-35-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
14.75"	0 - 1,915'	10.75"	40.5#	J55	STC	1.125	1.25	1.60
9.875"	0-10,000'	7.625"	29.7#	HCP-110	LTC	1.125	1.25	1.60
6.75"	0'-16,043'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1,915'	350	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	300	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
10,000' DV Tool w/ ECP @ 5,100'	315	10.8	3.68	Stage 1 Lead: Class C + 15.00 lbs/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sx Static Free
	250	15.6	1.19	Stage 1 Tail: Class H + 1.0% FL-52 + 0.6% CD-32 + 0.5% SMS + 1.0% Salt + 0.3% R-3
	550	12.7	2.22	Stage 2 Lead: Class 'C' + 2.0% SMS + 10.0% Slat + 0.55% R-21 + 0.25 pps Celloflake + 0.005 pps Static Free (TOC @ Surface)
	200	14.8	1.35	Stage 2 Tail: Class 'C' + 0.60% FL-62 + 0.7% CD-32 + 0.3% SMS + 2.0% Salt + 0.10% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L
16,043'	625	14.2	1.35	50:50:2 Class H + 0.65% FL-52 + 0.70% CD-32 + 1.0% EC-1 + 0.40% SMS + 2.0% Salt + 0.05% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L (TOC @ 9,500')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,915'	Fresh - Gel	8.6-8.8	28-34	N/c
1,915' - 10,000'	Oil Base	8.7-9.4	58-68	N/c - 6
10,000' - 10,737'	Oil Base	8.7-9.4	58-68	N/c - 6
10,737' - 16,043' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

DEC 04 2015

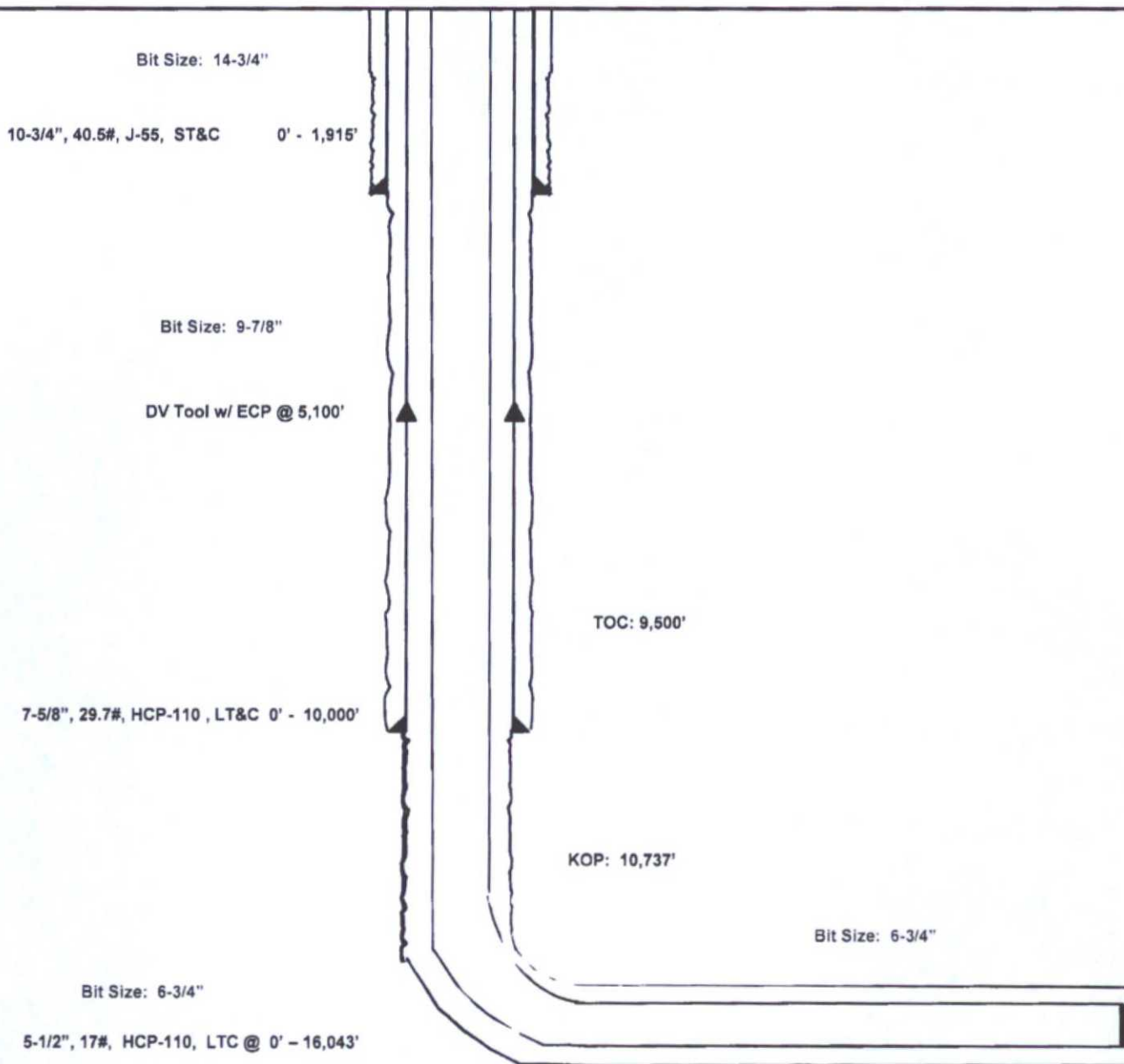
Boysenberry 2 State #702H

Lea County, New Mexico
Proposed Wellbore

200' FSL
330' FWL
Section 2
T-20-S, R-35-E

API: 30-025-*****

KB: 3,696'
GL: 3,671'



Lateral: 16,043' MD, 11,225' TVD

BH Location: 230' FNL & 330' FWL
Section 2
T-20-S, R-35-E



Lea County, NM (NAD 27 NME)

Boysenberry 2 State #702H

H&P 415

Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)

Datum: NAD 1927 (NADCON CONUS)

Ellipsoid: Clarke 1866

Zone: New Mexico East 3001

System Datum: Mean Sea Level

WELL DETAILS: #702H

Ground Level: 3671.0
 KB = 35 @ 3596.0usm (H&P 415)
 Northing 551490.00 Easting 776697.00 Latitude 32° 35' 42.472 N Longitude 103° 28' 5.788 W

Azimuths to Grid North
 True North: -0.48°
 Magnetic North: 5.59°

Magnetic Field
 Strength: 48322.8nT
 Dip Angle: 60.48°
 Date: 12/30/2015
 Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction: Add 5.59°
 To convert a Magnetic Direction to a True Direction: Add 7.07° East
 To convert a True Direction to a Grid Direction: Subtract 5.48°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4639.4	1.39	179.37	4639.3	-1.7	0.0	1.00	179.37	-1.7	
4	10737.7	1.39	179.37	10735.9	-150.0	1.6	0.00	0.00	-150.0	
5	11499.4	90.00	359.46	11225.0	327.3	-2.9	12.00	-179.92	327.3	
6	16043.3	90.00	359.46	11225.0	4871.0	-46.0	0.00	0.00	4871.2	PBHL(Boys 2 St #702H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
777Boys 2 St #702H	11225.0	150.0	1.0	551490.00	776696.00
PBHL(Boys 2 St #702H)	11225.0	4871.0	-46.0	558561.00	776641.00

