

Permit Information:

Well Name: Dragon 36 State No. 702H

Location:

SL: 578' FNL & 2068' FEL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FSL & 2495' FEL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
12.25"	0 - 1,300'	9.625"	40#	J55	STC	1.125	1.25	1.60
8.75"	0-11,350'	7"	26#	HCP-110	LTC	1.125	1.25	1.60
6.125"	0'-17,338'	4.5"	13.5#	HCP-110	BTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1,300'	400	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)
	200	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
11,350' DV Tool @ 5,200'	300	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
	200	14.2	1.32	Stage 1 Tail: Class H + 0.65% FL-52 + 0.6% CD-32 + 1.0% EC-1 + 0.65% SMS + 2.0% Salt + 0.2% R-21 + 0.005 gps FP-6L + 0.005 pps Static Free
	400	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
17,338'	575	11.9	2.36	50:50:6 Class H + 0.20% FL-52 + 0.75% CD-32 + 1.0% EC-1 + 0.15% ASA-301 + 1.60% SMS + 5.0% Salt + 0.50% R-21 + 5.0 pps LCM-1 (TOC @ 10,850')
	450	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

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,300'	Fresh - Gel	8.6-8.8	28-34	N/c
1,300' - 11,350'	Oil Base	8.7-9.4	58-68	N/c - 6
11,350' - 12,015'	Oil Base	8.7-9.4	58-68	N/c - 6
12,015' - 17,338' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

DEC 11 2014!

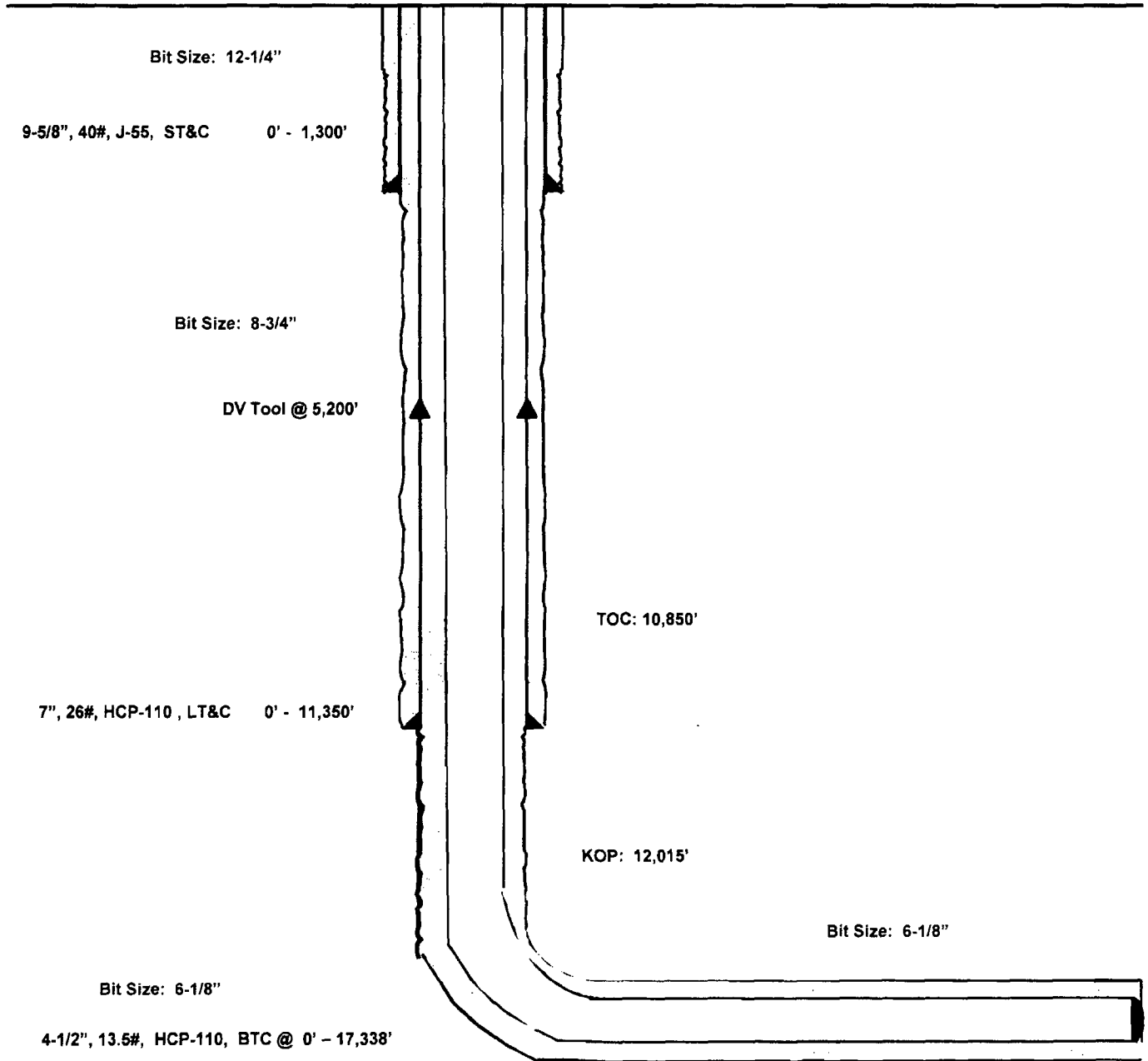
Dragon 36 State #702H

**Lea County, New Mexico
Proposed Wellbore**

**578' FNL
2068' FEL
Section 36
T-24-S, R-33-E**

API: 30-025-*****

**KB: 3,532'
GL: 3,507'**



Lateral: 17,338' MD, 12,500' TVD

**BH Location: 230' FSL & 2495' FEL
Section 36
T-24-S, R-33-E**



Lea County, NM (NAD 27 NME)

#702H

Nomac 55

Plan #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 3061
System Datum: Mean Sea Level



Azimuths to Grid North
True North: -4.43°
Magnetic North: 6.70°
Magnetic Field
Strength: 48247.5 nT
Dip Angle: 60.07°
Date: 12/1/2014
Model: IGRF2014

To convert a Magnetic Direction to a Grid Direction, Add 6.70°
To convert a Magnetic Direction to a True Direction, Add 7.3° (5.94°)
To convert a True Direction to a Grid Direction, Subtract 0.43°

WELL DETAILS: #702H

Ground Level: 2507.0
KB = 2' @ 3528 Over (Nomac 55)
-N-S -E-W Northing Easting Longitude
0 0 0 0 0 0 163° 31' 25.581 W

SECTION DETAILS

Sec	MD	Inc	As	TVD	+N-S	+E-W	Diag	TFace	VSeet	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0		
2	4800.0	0.00	0.00	4800.0	0.0	0.00	0.00	0.00	0.0		
3	4801.6	0.32	270.00	4801.6	0.0	-0.1	1.00	270.00	0.0		
4	8238.0	0.32	270.00	8238.0	0.0	-10.0	0.00	0.00	0.0		
5	7011.8	7.00	324.18	7011.8	33.7	-34.2	1.00	88.33	-30.4		
6	12015.5	7.00	324.18	11978.4	828.0	-392.8	0.00	0.00	-491.7		
7	12015.0	90.00	179.54	12000.0	82.7	-426.5	12.00	-144.42	-15.2		
8	17238.8	90.00	179.54	12900.0	4473.0	-592.0	0.00	0.00	4480.1		PSHL(Dragon 36 State #702H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
FTP(Dragon 36 State #702H)	12900.0	243.0	-428.0	439247.00	750082.00	Point
PSHL(Dragon 36 State #702H)	12900.0	-4473.0	-392.0	425528.90	750088.00	Rectangle (Sides: L5.0 W60.0)

