

30-025-44475

HOBBS OCD
SEP 10 2018
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Revised Permit Information 9/10/18:

Well Name: Della 29 Fed #604H

Location:

SL: 230' FSL & 2,635' FEL, Section 29, T-20-S, R-34-E, Lea Co., N.M.

BHL: 100' FNL & 2,090' FWL, Section 29, T-20-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 1,655'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0 - 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4,000' - 5,400'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' - 10,900'	7.625"	29.7#	HCP-110	FlushMax III	1.125	1.25	1.60
6.75"	0' - 16,204'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Mix Water Gal/sk	Slurry Description
13-3/8" 1,655'	1075	13.5	1.74	9.17	Class C + 4% Gel + 2% CaCl ₂ + 0.25 pps Celloflake (TOC @ Surface)
	385	14.8	1.34	6.35	Class C + 2.0% CaCl ₂
9-5/8" 5,400' DV Tool w/ ECP @ 3,700'	235	12.7	1.90	9.96	Stage 1 Lead: 35:65 Poz:Class C + 3.0% Salt + 6.0% Gel + 0.4% CPT-20 + 0.5% CPT-45 (TOC @ 3,700')
	200	14.8	1.33	6.32	Stage 1 Tail: Class C + 0.2% CPT-19
	785	12.7	1.90	9.96	Stage 2 Lead: 35:65 Poz:Class C + 3.0% Salt + 6.0% Gel + 0.5% CPT-45 + 0.2% CPT-20 (TOC @ Surface)
	100	14.8	1.33	6.32	Stage 2 Tail: Class C + 0.2% CPT-19
7-5/8" 10,900'	425	11.5	2.64	14.69	50:50 Poz:H + 5.0% Salt + 7.0% Gel + 0.4% CPT-503P + 0.5% CPT-19 (TOC @ Surface)
	140	14.4	1.24	5.08	50:50 Poz:H + 5.0% Salt
5-1/2" 16,204'	220	11.0	3.21	19.24	50:50 Poz:H + 5.0% Salt + 3.0% CPT-45 + 0.4% CPT-503P + 1.0% CPT-19 + 5.0% Gypsum + 0.15% CPT-20 + 0.15% Citric Acid (TOC @ 10,400')
	550	14.4	1.20	4.81	50:50 Poz:H + 0.25% CPT-503P + 0.8% CPT-16A + 0.2% CPT-35 + 0.4% CPT-39 + 0.25% CPT-20

Mud program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,655'	Fresh - Gel	8.6-8.8	28-34	N/c
1,655' - 5,400'	Fresh-Gel	8.6-8.8	28-34	N/c
5,400' - 10,900'	Oil Base	8.7-9.4	58-68	N/c - 6
10,900' - 16,204' Lateral	Oil Base	10.0-10.5	58-68	N/c - 6

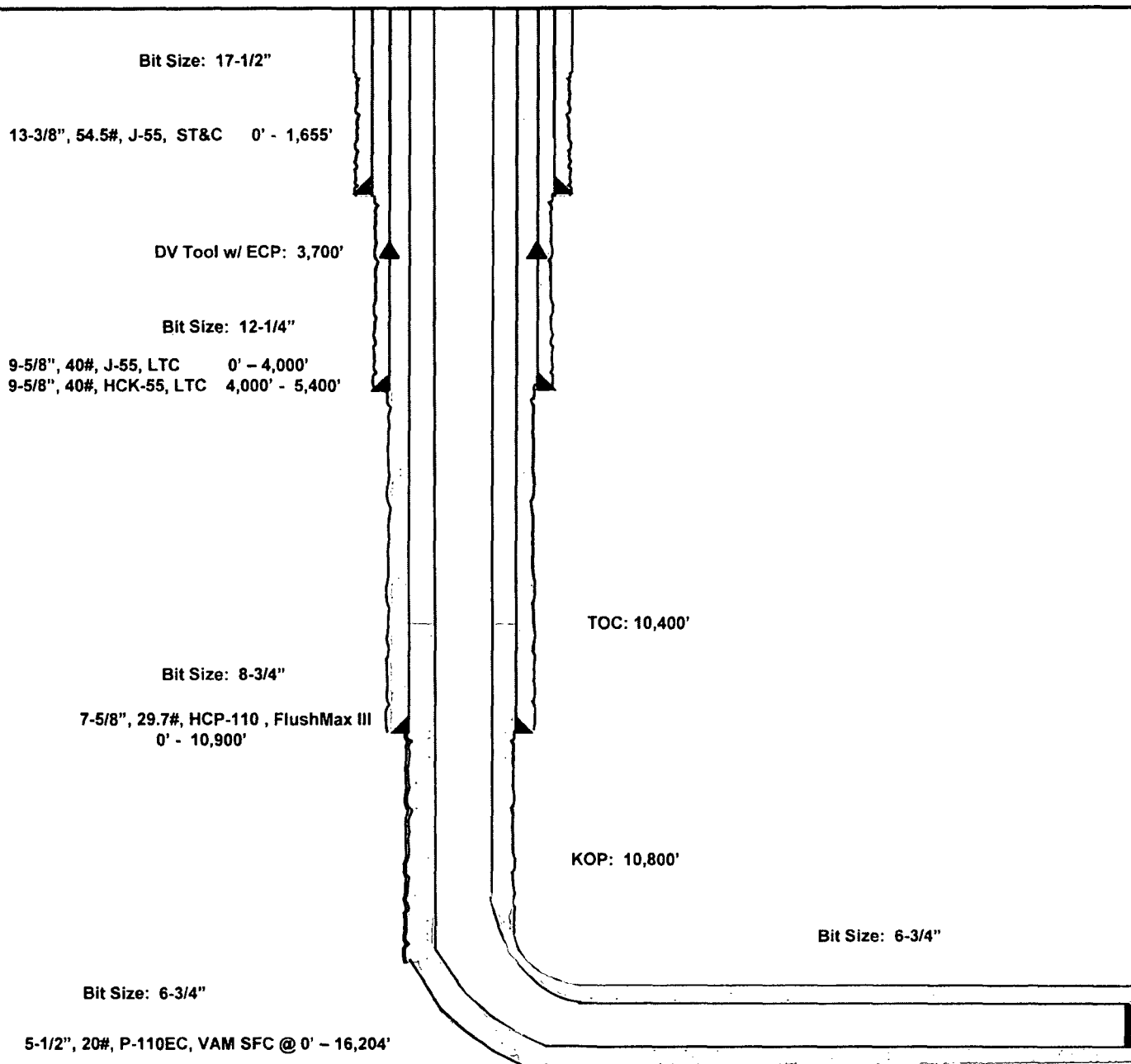
Della 29 Fed #604H

**Lea County, New Mexico
Revised Wellbore 9/10/18**

**230' FSL
2635' FEL
Section 29
T-20-S, R-34-E**

API: 30-025-44475

**KB: 3,740'
GL: 3,715'**



Lateral: 16,204' MD, 11,250' TVD
Upper Most Perf:
100' FSL & 2090' FWL Sec. 29
Lower Most Perf:
100' FNL & 2090' FWL Sec. 29
BH Location: 100' FNL & 2090' FWL
Section 29
T-20-S, R-34-E