

30-025-45253

Permit Information:

Well Name: Berry 8 State Com No. 201H

Location:

SHL: 2129' FNL & 816' FEL, Section 8, T-21-S, R-34-E, Lea Co., N.M.

BHL: 100' FNL & 330' FEL, Section 5, T-21-S, R-34-E, Lea Co., N.M.

HOBBS OCD
OCT 12 2018
RECEIVED**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 1,885'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-5,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	5000' - 5840'	9.625"	40#	HCL-80	LTC	1.125	1.25	1.60
8.75"	0'-19,723'	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
1,885'	600	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
5,840' DV Tool w/ ECP @ 3,500'	700	12.7	2.22	Stage 1 Lead: Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	200	14.8	1.32	Stage 1 Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	700	12.7	2.22	Stage 2 Lead: Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	200	14.8	1.32	Satge 2 Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
19,723'	375	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 5,340')
	300	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1300	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,885'	Fresh - Gel	8.6-8.8	28-34	N/c
1,885' - 5,840'	Oil Base	8.7-9.4	58-68	N/c - 6
5,840' - 9,013'	Oil Base	8.7-9.4	58-68	N/c - 6
9,013' - 19,723' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

HOBBS OCD
OCT 12 2018
RECEIVED

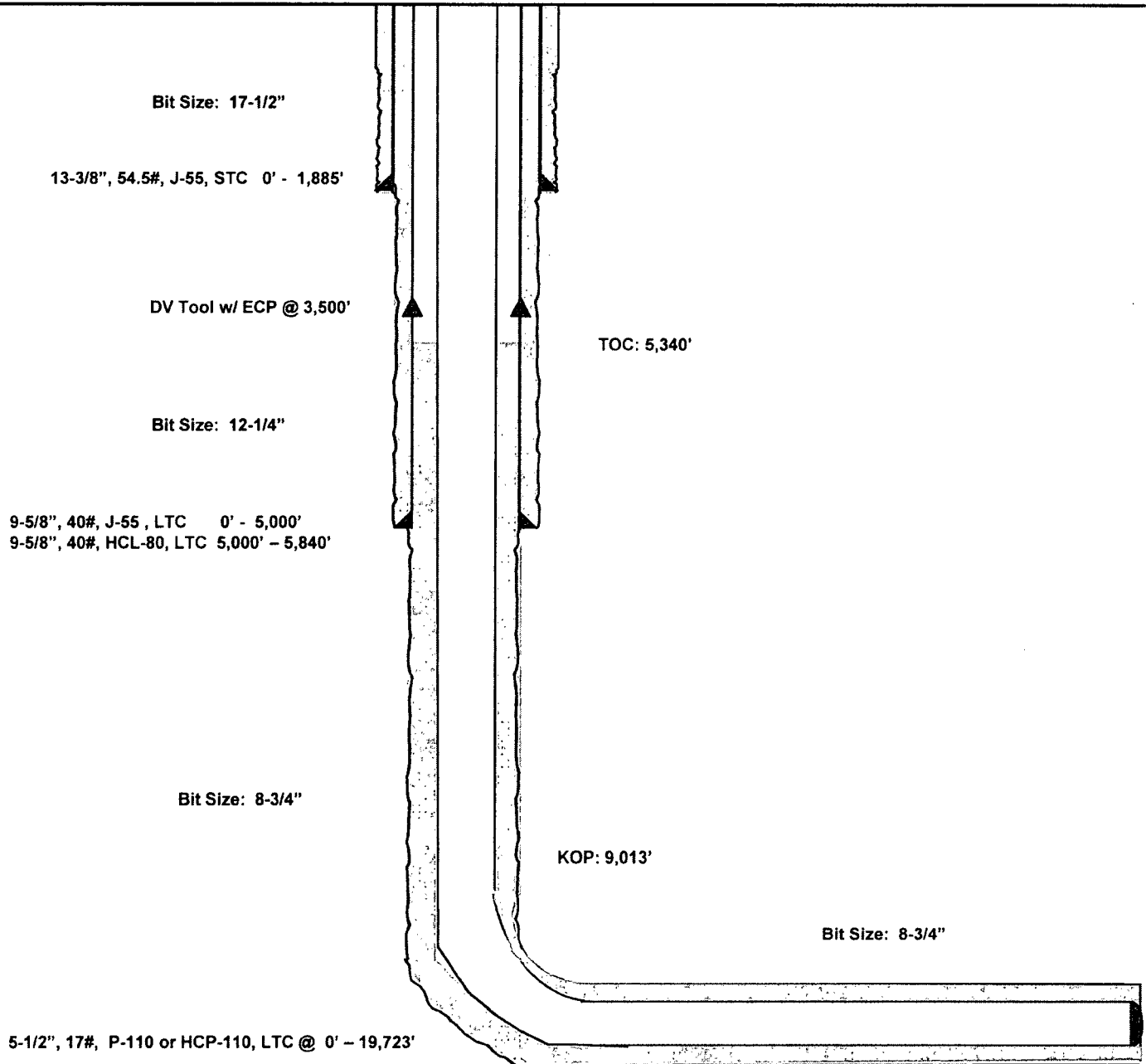
Berry 8 State Com #201H
Lea County, New Mexico

2129' FNL
816' FEL
Section 8
T-21-S, R-34-E

Proposed Wellbore

API: 30-025-*****

KB: 3,735'
GL: 3,710'



Lateral: 19,723' MD, 9,547' TVD

BH Location: 100' FNL & 330' FEL
Section 5
T-21-S, R-34-E