

Date:6/18/2024

Preparer:CG

Wellname:SECU 405

Field:Campo

County:Baca

aka:Kearley A#5

API:05-009-06383

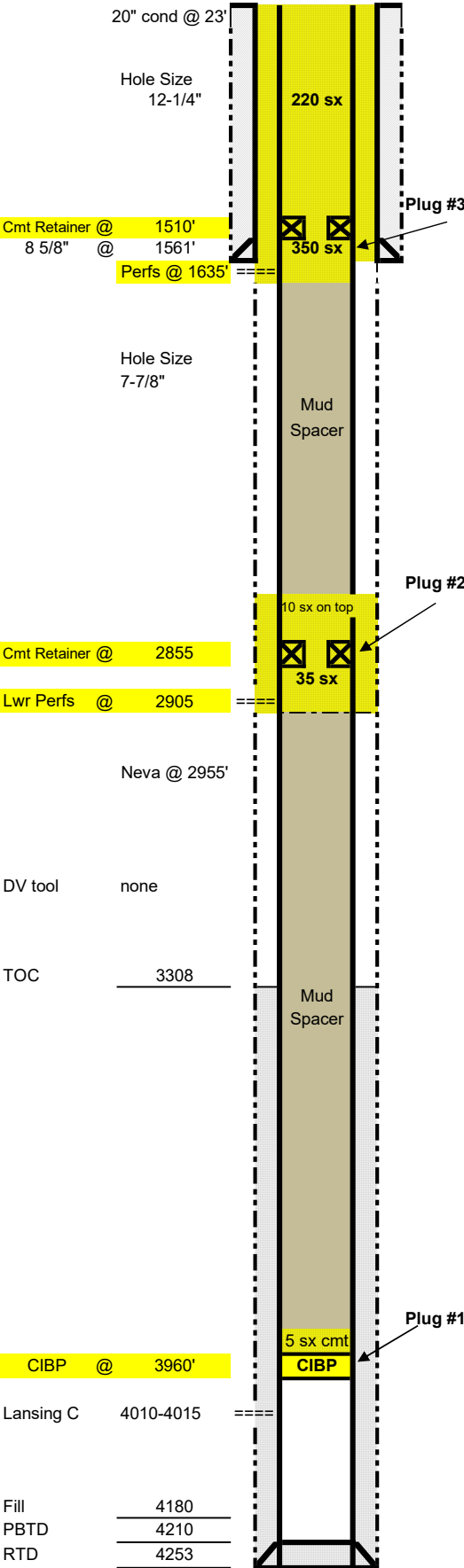
QTR:NENE

Sec:2

Twp:35S

Rge:46W

KB:	4214
GL:	4204
Diff:	10



Casing Information						
Size	Weight	Grade	Depth	Cmt	Date Run	Comments
20" cond	?	?	23'	2 yds redimix		
8 5/8	24#	K55	1561'	800 sx	10/8/1983	
5 1/2	14#	K55	4252	175 sx	10/16/1983	
DV tool				none		

Producing Intervals						
Formation	Top	Btm	SPF	# of holes	Date Shot	Status
Lansing C	4010	4015	4	20	10/25/1983	open

Well History	
10/8/1983	Cmt surf w/ 650 sks 65/35 pozmix & 150 sks Class H; cmt circ to surf
	Cmt prod csg w/ 175 sks 50/50 pozmix + 18% salt; good circ through job
10/20-22/83	Run CBL, TOC @ 3308; tag btm @ 4210 PBTD w/ tbg; PT 1000 psig, held 30, ok.
10/25-28/83	Perf Lansing 4010-4015 w/ 4 spf; swab test
5/6/2021	MIT Pressure up to 430Psi for 30 min. held. Recorded pressure for COGCC for MIT.

Plugging Procedure

- Cement Specs:**
- Cement to be used: **Class H** Cement with the following approved additives as needed
0.4% B547 Gas Block (Latex) & 2% D053 Expansion (Gyp) & 0.25% D255 FLA (Fluid Loss)0.3% D065 (Dispersant)
- | Water Req | Slurry Weight | Slurry Vol. |
|------------|---------------|---------------|
| 4.3 gal/sx | 16.4 lb/gal | 1.06 cu ft/sx |
- No night-time plugging work allowed
 - Bradenhead pressure must be monitored during all cementing operations throughout the day. Record bradenhead at beginning and end of each day, and if Bradenhead pressures change throughout the day, notify engineer immediately.

Plug #	Step
1	1 Set CIBP @ 3960' with 5 sx cmt
	2 Pump Mud spacer (min weight of 9 ppg)
	3 Perforate Squeeze holes @ 2905'
2	4 RIH with cement retainer and set @ 2855'
	5 Circulate 35 sx Class H cement with approved gas block additives into open perfs . Sting out and pump additional 10 sx cmt to cover perfs (45 sx total)
	6 Wait 1 hour to ensure static conditions
	7 Mud Spacer (9 ppg min.)
	8 Perf squeeze holes @ 1635'
	From surface pump water thru perfs and attempt to circulate up 8-5/8" x 5-1/2" annulus.
3	10 TIH with cement retainer on tbg and set retainer @ 1510'
	11 Sting into retainer. Fill backside with water and pressure test 5-1/2" casing to 400 psi for 20 min.
	12 After successful pressure test, pump 350 sx Class H cmt neat in retainer, circulating to surface in 8-5/8" annulus.
	13 Sting out of retainer. TOH and remove stinger
	14 TIH with open ended tbg, tag cmt retainer and circ. 220 sx Class H neat cement to surface.
	15 Top off casing as needed

If water circulation not established in step 9, proceed to step 10 below	
3 alternate	10 TIH with cement retainer on tbg and set retainer @ 1510'
	11 Sting into retainer. Fill backside with water and pressure test 5-1/2" casing to 400 psi for 20 min.
	12 After sucessful pressure test, pump wtr to establish injection rate.
	13 Pump 25 to 50 sx Class H cmt containing 2%cc.
	14 Over displace with 10-15 bbls. Sting out, shut in 2 hours.
	15 After 2 hr shut in, sting into retainer and resume pumping. Attempt to establish circulation up 8-5/8 x 5-1/2 annulus.
	16 If circulation is established up 8-5/8 x 5-1/2 annulus, then cmt 8-5/8 x 5-1/2 annulus w/ 350 sxs Class H neat .
	17 If circulation not established, repeat step 13
	18 Once 8-5/8" x 5-1/2" annulus cement circ. to surface, TOH and remove stinger
	19 TIH with open ended tbg, tag cmt retainer and circ. 220 sx Class H neat cement to surface.
	20 Top off casing as needed

Cut & Cap

- Prior to cut & cap ensure gas readings are taken prior to excavation and cut and cap
- After cut & prior to cap, verify isolation by either a 15" bubble test or 15 " optical gas imaging rec.
- Metal plate at least 1/4" thick welded in place,needs to have the following information
Murfin Drilling Company COC - 51654
SECU 405 Sec. 2-35S-46W
05-009-06383 NE NE

Contacts

Murfin Engineer
Cristina Goodrich, Cell: 316-210-4832, cgoodrich@murfininc.com
BLM RGFO Engineers
Daniel Ballard, Cell: 719-225-5795, dballard@blm.gov
Daniel Sprengelmeyer, Cell: 719-458-4788, dsprengelmeyer@blm.gov
ECMC Contact
Brian Welsh (719) 325-6919, brian.welsh@state.co.us