13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date SIGNATURE TITLE: Authorized Representative DATE: 9/21/23 Type or print name: Ethan Wakefield E-mail address: e.wakefield@dwsrigs.com PHONE: (405)343-7736 For State Use Only John Garcia Supervisor APPROVED BY: TITLE DATE 10/24/23 Conditions of Approval (if any):

Cano Petro

Plug And Abandonment End Of Well Report

Cato San Andres #561

115' FSL & 1340' FEL, Section 11, 08S, 30E Chaves County, NM / API 30-005-28029

Work Summary:

- 9/15/23 Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 9/16/23 Arrived on location and held safety meeting. Prepped well and location using backhoe. Moved rig and equipment to location. R/U rig and equipment. ND WH, NU BOP, R/U floor and equipment. L/D 109 2-7/8" joints with ESP cable and pump. Prepped and tallied 2-3/8" work string. P/U 5.5" scraper. TIH to 3515'. L/D 2 joints. Shut in and secured well for the day.
- 9/17/23 Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. TOOH. L/D scraper. Install 5.5" CR. TIH and set CR at 3458'. R/U cementers. Successfully circulated hole with 16 bbls. Pumped 40 bbls total. Successfully pressures tested casing to 800 psi. R/D cementers. TOOH. R/U wireline services. RIH and logged well. POOH. TIH with tubing to 3458'. R/U cementing services. Pumped plug #1 from 3458' to 3238'. R/D cementers. L/D tubing. R/U cementing services. Pumped mud/gel spacer from 3238' to 2854'. R/D cementers. L/D tubing. R/U cementing services. Pumped plug #2 from 2854' to 2212'. R/D cementers. L/D tubing. R/U cementers. Pumped mud/gel spacer from 2212' to 1860'. R/D cementers. L/D tubing. R/U cementing services. Pumped plug #3 from 1860' to 1614'. R/D cementers. L/D tubing. R/U cementing services. Pumped mud/gel spacer from 1614' to 1300'. R/D cementers. L/D tubing. Reverse circulated at 1330'. TOOH. Shut in and secured well.

9/18/23

Arrived on location and held safety meeting. Checked well pressures. Tubing: 0 psi, Casing: 0 psi Bradenhead: 0 psi. R/U wireline services. RIH and perforated at 1300'. POOH. R/D wireline services. Successfully established an injection rate. P/U 5.5" packer. TIH and set it at 974' with EOT at 1068'. R/U cementing services. Pumped plug #4 from 1300' to approximately 1103'. R/D cementers. Unset packer and TOOH. WOC 4 hours. TIH and tagged plug #4 1068'. R/U cementing services. Pumped mud/gel spacer from 1068' to 600'. R/D cementers. L/D tubing. R/U wireline services. TIH and perforated at 600'. POOH. R/D wireline services. R/U cementing services. Successfully circulated water down 5.5" casing, into perforations, and out BH valve at surface with 4 bbls. Pumped plug #5 down 5.5" casing, into perforations, and out BH valve at surface with 70 sx in 5.5" and 114 sx in 8.6". R/D floor, ND BOP, NU WH. R/D equipment and prepare the MOL.

9/20/23

Arrived on location and held safety meeting. Used backhoe to safely expose wellhead. Set up welding unit on location. Performed wellhead cutoff. Removed old wellhead. Tagged cement at Surface inside and tagged at surface outside. Welder attached marker per NMOCD regulations.

Plug Summary:

Plug #1: (San Andres Perforations, 3,458'-3,238', 25 Sacks Type I/II Cement)

P/U 5.5" CR. TIH and set CR at 3458'. Successfully pressures tested casing to 800 psi. R/D cementers. TOOH. Logged well. TIH with tubing to 3458'. R/U cementing services. Pumped plug #1 from 3458' to 3238'. R/D cementers.

Plug #2: (San Andres Grayburg and Queen Formation Tops 2,854' - 2,212', 60 Sacks Type I/II Cement)

L/D tubing. R/U cementing services. Pumped plug #2 from 2854' to 2212'.

Plug #3: (Seven Rivers, and Yates Formation Tops, 1,860' - 1,614', 28 Sacks Type I/II Cement)

L/D tubing. R/U cementing services. Pumped plug #3 from 1860' to 1614'. R/D cementers.

Plug #4: (Rustler Formation Top, 1,300' – 1,068', 25 Sacks Type I/II Cement)

R/U wireline services. RIH and perforated at 1300'. POOH. R/D wireline services. Successfully established an injection rate. P/U 5.5" packer. TIH and set packer at 974' with EOT at 1068'. R/U cementing services. Pumped plug #4 from 1300' to approximately 1103'. R/D cementers. Unset packer and TOOH. WOC 4 hours. TIH and tagged plug #4 1068'.

Plug #5: (Surface Casing Shoe, 600' to Surface', 184 Sacks Type I/II Cement (0 sx for top off))

R/U wireline services. TIH and perforated at 600'. POOH. R/D wireline services. R/U cementing services. Successfully circulated water down 5.5" casing, into perforations, and out BH valve at surface with 4 bbls. Pumped plug #5 down 5.5" casing, into perforations, and out BH valve at surface with 70 sx in 5.5" and 114 sx in 8.6".

Completed Wellbore Diagram

Cano Petro Of New Mexico Cato San Andres #561 API: 30-005-28029 Chaves County, New Mexico

Surface Casing

8.625" 24# @ 1250 ft OH: 12.25"

Plug 5

600 feet - Surface 600 foot plug 184 Sacks of Type I/II Cement

Plug 4

1300 feet - 1068 232 foot plug 53 Sacks of Type I/II Cement

Plug 3

1860 feet - 1614 feet 246 foot plug 28 Sacks of Type I/II Cement

Plug 2

2854 feet - 2212 feet 642 foot plug 60 sacks of Type I/II Cement

Plug 1

3458 feet - 3238 feet 220 foot plug 25 sacks of Type I/II Cement

Perforations

3508 feet - 3960 feet

Formation

Rustler - 1203'

Yates - 1714'

Seven Rivers - 1810'

Queen - 2312'

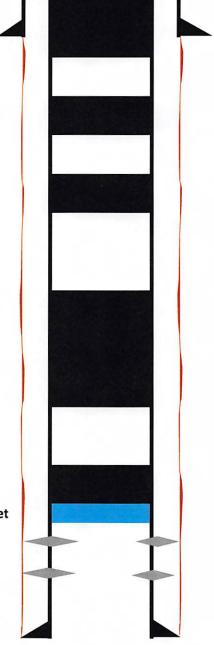
Grayburg - 2476'

San Andres - 2804'

Retainer @ 3458 feet

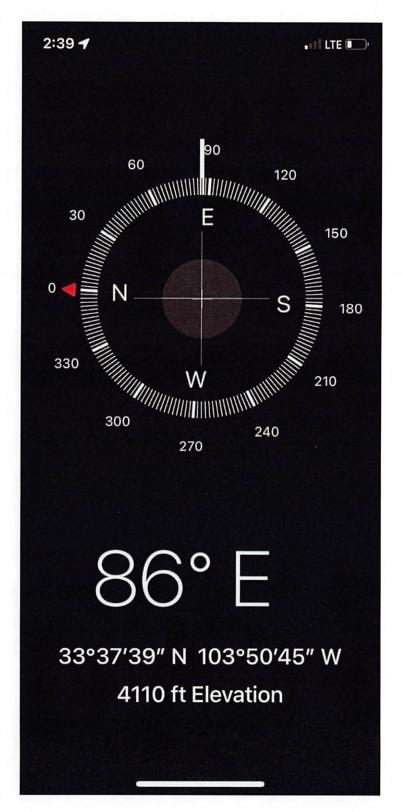
Production Casing 5.5" 15.5# @ 4100 feet

OH: 7.875"











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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 278701

CONDITIONS

Operator:	OGRID:
J.A. Drake Well Service Inc.	330485
607 W Pinon	Action Number:
Farmington, NM 87401	278701
	Action Type:
	[C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	10/25/2023