

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. **NMNM-0177517**

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No.
NMNM-82050X

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No. **CATO SAN ANDRES UNIT #128**

2. Name of Operator **OXY USA INC.**

9. API Well No. **30-005-20045**

3a. Address **PO BOX 4294
HOUSTON, TX 77210**

3b. Phone No. (include area code)
(972) 404-3722

10. Field and Pool or Exploratory Area
CATO; SAN ANDRES

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
660 FNL, 660 FWL, UNIT D, SEC 23, T8S R30E

11. Country or Parish, State
CHAVES

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

PLEASE SEE ATTACHED FINAL WELLBORE DIAGRAM, FINAL PLUGGING REPORT, AND EMAIL APPROVAL FOR CHANGE TO CONDITIONS OF APPROVAL.

Accepted for Record - contact Rick Flores at rflores@blm.gov for reclamation.

Accepted for record – NMOCD
JRH 05/04/2023

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
SARAH MCKINNEY

Title **REGULATORY ANALYST SR.**

Signature

Date

12/07/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title **Petroleum Engineer**

Date **01/11/2023**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **RFO**

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

CASU 128
30-005-20045
Final PA Report 10/20/22-11/17/22

10-20-22: Road Equipment to location. Spot in & RU. Spot in WS TBG & BOPE. SION

10-21-22: Crew HTGSM. Function Test BOPE. 0 PSI on CSG. ND WH & NU BOPE. RIH w/ 3-3/4 Bit, 4- 3 1/8 DC's & 26 Jt's of TBG. Tag up @ 958'. R/U Power Swivel. Begin to Break Circulation & TBG PSI up to 2000 PSI. Attempt to surge TBG & No Luck. R/D Power Swivel. POOH w/ TBG & DC's & Bit. Un-Plug DC & Bit. RIH w/ Bit & DC's & WS TBG to 905'. Install TIW Valve. Secure BOPE. SION

10-24-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U Power Swivel. Tag up @ 958'. Attempt to break circulation & wellbore on vacuum. Clean out to 963'. R/D Power Swivel. Secure BOPE & Well. SION

10-25-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ TBG, DC's & Bit. RIH w/ 3-3/4 Cone Buster Mill, 4- DC's, & 25 Jt's of TBG. R/U Power Swivel w/ Jt 26. Attempt to break circulation. well on vacuum. Clean out wellbore from 963' to 978'. R/D Power Swivel. Install TIW Valve. SION

10-26-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U Power Swivel. Attempt to break circulation. well on vacuum. Clean out wellbore from 978' to 995'. R/D Power Swivel. Secure BOPE & Install TIW Valve. Replaced Started on Rig. SION

10-27-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ WS TBG & DC's & Mill. RIH w/ 3-3/4 Pirahan Mill, DC's & WS TBG to 995'. R/U Power Swivel. Attempt to break circulation. Clean out wellbore from 995' to 997'. R/D Swivel. L/D 5 Jt's of TBG. SION

10-28-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ WS TBG & DC's. RIH w/ 3-3/4 Shoe, 6-3-3/4 JTs of Wash Pipe, 4- 3 1/8 DC's, & 20 Jt's of TBG. Tag Top of Fish @ 997'. R/U Power Swivel. L/D 4 Jts of TBG to 980'. Secure BOPE & Close in Well. SION

10-31-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ WS TBG, DC's & Wash pipe w/ shoe. Had 110' of 2-3/8 fish stuck in wash pipe. Remove Fish. RIH w/ 3-3/4 Shoe, 6 Jt's of Washpipe, 4 DC's & WS TBG. Tag up @ 1076'. R/U Power Swivel. Wash down to Top of Fish @ 1107. Wash down over fish to 1137'. Circulate well clean. L/D Power Swivel. Install TIW Valve. Close BOPE & Lock Pins. SION

11-01-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U Power Swivel. Tag up @ 1137'. Wash down to 1174'. R/D Power Swivel. POOH w/ WS TBG, 4 DC's & Wash Pipe w/ shoe. RIH w/ 3-3/4 shoe w/ 10 JT's of Wash Pipe, 4 DC's & 20 JT's of TBG. SION

11-02-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U Power Swivel. Tag up @ 1092'. Had to work past tight spot from 1092' to 1102'. Feel freely to 1186'. Begin to wash over fish from 1186' to 1202'. L/D 2 JT's to 1138'. L/D Power Swivel. Close BOPE & Lock Pins. Close all Valves. SION

11-03-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ WS TBG, & BHA. R/U Renegade Wireline. Ran Camera to 960' & Imagines didn't appear. RIH w/ 34 JT's of TBG. Ran Camera. Picked up parted & shifted CSG @ 1092'. POOH w/ WL & RD. Install TIW Valve. Close BOPE & Lock Pins. Close all Valves.

11-04-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ TBG. RIH w/ AD1 PKR. Begin to Test CSG. Able to set PKR @ 1044'. Found hole @ 488-520'. POOH w/ PKR. RIH w/ 3-3/4 Bit & 4 DC's @ 33 JT's. Tag up @ 1176. R/U Power Swivel. Able to work pass 1176 & feel freely. P/U 52 Jt's to 1816'. R/U Power Swivel. L/D 23 Jt's of TBG to 1066'. Install TIW Valve. Close BOPE & Lock Pins. Close all Valves. SION

11-07-22: Crew HTGSM. 0 PSI on TBG & CSG. RIH w/ TBG to 1816'. POOH w/ WS TBG & L/D DC's & BIT. RIH w/ 50 Jt's of TBG to 1630'. L/D 16 JT of TBG. POOH w/ WS TBG. RIH w/ perf sub, 19 JT's of Fiberglass TBG, 4.5 CMT Retainer & 28 JTs of TBG. Set CMT Retainer @ 911' w/ EOT @ 1460'. Est Injection Rate down TBG @ 2 BPM w/ 30 BBL's of FW. Close BOPE & Lock Pins. Close all Valves. SION

11-08-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U CMT Truck. Est Injection Rate @ 1 BPM @ 25 PSI. Pump 287 BBL's (1200 sxs) of Class C CMT & displaced w/ 15 BBL's of FW. Wash up CMT Truck. Close all Valves. SION

11-09-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U CMT Equipment. Est. Injection Rate @ 2 BPM @ 50 PSI. Pump 660 gals of sodium silicate & 287 BBL's (1200 sxs) of Class C CMT @ 2 BPM @ 130 PSI. WOC. 0 PSI on TBG. Pump 5 BBL's of FW @ 0 PSI @ 1 BPM. Close BOPE & Lock Pins. Close all valves. SION

11-10-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U CMT Truck. Est Injection Rate @ 1 BPM @ 25 PSI. Pump 330 gals of sodium silicate w/ 1 BBL of FW w/ 55 BBLs (200 sxs) of Thixotropic CMT @ 1 BPM @ 80 PSI. Attempted to hestiate last 5 BBL's of CMT. TBG on vacuum. Pump 2 BBL's of FW. TBG on vacuum. Flushed TBG w/ 5 BBL's of FW. WOC. Est Injection Rate @ 1 BPM @ 25 PSI. Pump 330 gals of sodium silicate w/ 1/2 BBL of FW & 100 sxs of Class C CMT w/ 3% calcium followed w/ 500 sxs of Class C CMT w/ 4% @ 3 BPM @ 120-150 PSI. Attempted to hestiate last 5 BBL's of CMT & TBG on vacuum. Flushed TBG w/ 2 BBL's of FW. Waited 15 minutes & TBG on vacuum. Flushed TBG w/ 6 BBL's of FW. Close all valves. SION

11-11-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U CMT Truck. Est Injection Rate @ 1 BPM @ 25 PSI. Pump 660 gals of sodium silicate & 166 BBL's (600 sxs) of Thixotropic @ 1 BPM @ 80 PSI. Hestiate 5 BBL's of CMT in TBG. Stung out of CMT Retainer. TBG on Slight vacuum. POOH w/ TBG. WOC. RIH w/ 28 JT's of TBG & tag CMT Retainer. L/D 2 Jts of TBG. Install TIW Valve. Close BOPE & Lock Pins. SION

11-14-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ TBG. RIH w/ stinger & 30 JT's. Sting into CMT Retainer. Pump 20 BBL's of BW @ 2 BPM @ 0 PSI. TBG on vacuum. Close BOPE & Lock Pins. SION

11-15-22: Crew HTGSM. 0 PSI on TBG & CSG. Wait on Order. Discuss Plan of action w/ BLM. Proposed to Pump small plug w/ LCM material ahead. Close BOPE & all valves. SION

11-16-22: Crew HTGSM. 0 PSI on TBG & CSG. Est. Injection Rate @ 1 BPM @ 25 PSI. Pump 6 BBLs of FW w/ Gel Mix w/ 16 pounds of Cellophane Flake followed by 6 BBLs (25 sxs) of Class C CMT @ 1.5 BPM @ 250-350 PSI. Displaced w/ 2 BBLs of FW. Shut down pump. TBG PSI went to 0 PSI. TBG on vacuum. Waited 15 minutes. TBG on vacuum. WOC. POOH w/ TBG. RIH w/ CIBP & 28 Jts of TBG to 910'. R/U Pump Truck. Circulated well w/ 30 BBLs of BW. Spoted 3.5 BBLs (15 sxs) of Class C CMT & Displaced w/ 4 BBL to 686'. POOH w/ TBG. Close BOPE & Lock Pins. SION

11-17-22: Crew HTGSM. 0 PSI on CSG. RIH w/ 22 JT's of TBG. Tag TOC @ 700'. L/D WS TBG. R/U Wireline. RIH w/ Perf Gun. Perforate CSG @ 507'. POOH w/ WL & RD. Est Injection Rate @ 2.5 BPM @ 300 PSI w/ 50 BBLs of BW. ND BOPE & NU WH. R/U CMT Truck. Pump 43 BBLs (180 sxs) of Class C CMT & circulated

to surface @ 2 BPM @ 300 PSI. Close all valves. R/D CMT Truck. R/D Pulling Unit. Clean up location. Well is plugged.

Final Wellbore Diagram 12/05/22

Cato San Andreas Unit # 128

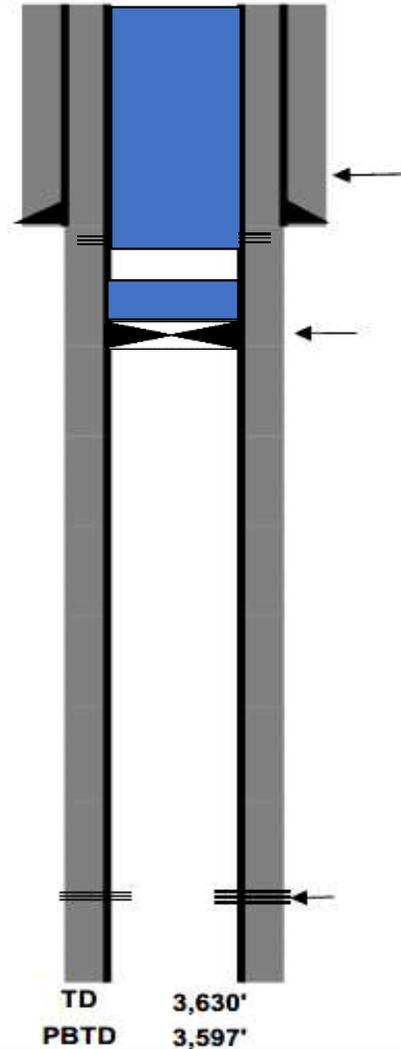
API # 3000520045

Surf Lat 33.61067
Surf Long -103.85643

PERF@ 507'. SQZ 180 SX CL C CMT
507'-0'. (CMT to Surface)

SET CIBP @ 910'. 15 SX CL C CMT
910'-700' (TAG).

Hole in Csg - From 488-520'.
Pumped Cumulative of 3825 sx
cement, due to hole that cement
can not be accounted for. See Email
attachment from BLM on new plan
of action.



Surface Casing
12 1/4 in. hole @ 457 '
8 5/8 in. casing @ 457 '
w/ 300 sx cement TOC- Surf-Circ

Production Casing
7 7/8 in. hole @ 3630 '
4 1/2 in. casing @ 3630 '
w/ 800 sx cement TOC- Surface

[10540] Cato; San Andreas Perfs
Top 3,576'
Bottom 3,600'

McKinney, Sarah A

From: Sanchez, Jennifer A <j1sanchez@blm.gov>
Sent: Wednesday, November 16, 2022 1:54 PM
To: Janacek, Stephen C
Cc: Doherty, Evan; Franco, Jesus M (L&C Safety Inc); Fletcher, Jackie; Crowley, Robert D; Dominguez, Noel A
Subject: Re: [EXTERNAL] RE: CSAU #128 PA Variance Request 11/14/2022

WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

You have verbal approval for the change described below. Thank you for all your efforts on this one.

Jennifer Sanchez
Petroleum Engineer
2909 West Second Street Roswell, NM 88201
Work: 575-627-0237
Cell: 575-626-5871
j1sanchez@blm.gov

From: Janacek, Stephen C <Stephen_Janacek@oxy.com>
Sent: Wednesday, November 16, 2022 10:28 AM
To: Sanchez, Jennifer A <j1sanchez@blm.gov>
Cc: Doherty, Evan <Evan_Doherty@oxy.com>; Franco, Jesus M (L&C Safety Inc) <Jesus_Franco@oxy.com>; Fletcher, Jackie <Jackie_Fletcher@oxy.com>; Crowley, Robert D <Robert_Crowley@oxy.com>; Dominguez, Noel A <ndominguez@blm.gov>
Subject: [EXTERNAL] RE: CSAU #128 PA Variance Request 11/14/2022

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Jennifer,

After the discussion yesterday, we attempted a small cement plug with LCM pumped ahead and in the cement . After pumping the plug away, the tubing was on a vacuum and it sucked cement from the tank. Please see the detailed notes from this morning, the requested variance, and the proposed path forward below.

11/16/22 Morning Notes

This morning we pumped 6 BBLs of FW w/ Gel w/ 16 pounds of Cellophane Flake (LCM) followed w/ 25 sxs w/ 6 pounds of Cellophane Flake @ 1.5 BPM @ 250-350 PSI. Displaced w/ 2 BBL's (1 BBL for the line & 1 BBL for TBG). Shut down pump PSI drop to 0 PSI & went on vacuum. Monitored for 15 minutes. TBG on vacuum and sucked 1 BBL from CMT Displaced Tank.

Request

Again, Oxy would like to **request a variance** to the PA procedure for the subject well. We propose the following [path forward](#) that Noel and Jessie have discussed. The detailed update and daily summaries are at the end of this email.

Proposed Path Forward

1. RIH with CIBP right above casing part depth, approximately 910’.
2. Spot 15 sx plug on top of CIBP giving plug from 910’-725’. WOC and tag.
3. Pull up, perf and squeeze surface casing shoe @507’. Circulate cement to surface. WOC and tag to verify.

Please let us know if you have any questions.

Regards,

Stephen Janacek

Occidental Petroleum Corporation
Regulatory Engineer | Permian Resources NM
Office: 972-404-3722
Cell: 713-493-1986
Email: Stephen_Janacek@oxy.com

From: Janacek, Stephen C

Sent: Monday, November 14, 2022 2:01 PM

To: Sanchez, Jennifer A <j1sanchez@blm.gov>

Cc: Doherty, Evan <Evan_Doherty@oxy.com>; Franco, Jesus M (L&C Safety Inc) <Jesus_Franco@oxy.com>; Fletcher, Jackie <Jackie_Fletcher@oxy.com>; Crowley, Robert D <Robert_Crowley@oxy.com>

Subject: CSAU #128 PA Variance Request 11/14/2022

Jennifer,

Oxy would like to **request a variance** to the PA procedure for the subject well. We propose the following [path forward](#) that Noel and Jessie have discussed. The detailed update and daily summaries are at the end of this email.

Proposed Path Forward

1. RIH with CIBP right above casing part depth, approximately 910’.
2. Spot 15 sx plug on top of CIBP giving plug from 910’-725’. WOC and tag.
3. Pull up, perf and squeeze surface casing shoe @507’. Circulate cement to surface. WOC and tag to verify.

Proposed Wellbore

11/10/2022 - Est Injection Rate @ 1 BPM @ 25 PSI. Pump 330 gals of Sodium Silicate @ 1 BPM w/ 1 BBL of FW followed w/ 55 BBL's (200 sxs) of Thixotropic @ 1 BPM @ 80 PSI. Left 2 BBLs in TBG. TBG on vacuum. Sucked 2 BBL's from mixing truck. 0 PSI on well
Waited on CMT sample to set up
Est Injection Rate @ 1 BPM @ 50 PSI. Pump 330 gals of Sodium Silicate w/ 1/2 BBL of FW w/ 100 sxs of Class C CMT w/ 3% calcium then 500 sxs of Class C CMT w/ 4 % calcium @ 3 BPM @ 120-160 PSI. Attempted to hesitate last 5 BBL's of CMT & well on vacuum. Pump 2 BBL's of FW. Waited on 15 minutes & TBG on vacuum. Flushed TBG w/ 6 BBL's.

11/11/2022 - Est. Injection Rate @ 1 BPM @ 25 PSI. Pump 660 gals of sodium silicate w/ 1 BBL of FW. Pump 166 BBL's (600 sxs) of Thixotropic CMT @ 1 BPM @ 80 PSI. Hesitated last 5 BBL of CMT in TBG. Stung out of CMT Retainer. TBG on slight vacuum.

Please let us know if you have any questions.

Thanks,

Stephen Janacek

Occidental Petroleum Corporation

Regulatory Engineer | Permian Resources NM

Office: 972-404-3722

Cell: 713-493-1986

Email: Stephen_Janacek@oxy.com

CASU 128
30-005-20045
Final PA Report 10/20/22-11/17/22

10-20-22: Road Equipment to location. Spot in & RU. Spot in WS TBG & BOPE. SION

10-21-22: Crew HTGSM. Function Test BOPE. 0 PSI on CSG. ND WH & NU BOPE. RIH w/ 3-3/4 Bit, 4- 3 1/8 DC's & 26 Jt's of TBG. Tag up @ 958'. R/U Power Swivel. Begin to Break Circulation & TBG PSI up to 2000 PSI. Attempt to surge TBG & No Luck. R/D Power Swivel. POOH w/ TBG & DC's & Bit. Un-Plug DC & Bit. RIH w/ Bit & DC's & WS TBG to 905'. Install TIW Valve. Secure BOPE. SION

10-24-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U Power Swivel. Tag up @ 958'. Attempt to break circulation & wellbore on vacuum. Clean out to 963'. R/D Power Swivel. Secure BOPE & Well. SION

10-25-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ TBG, DC's & Bit. RIH w/ 3-3/4 Cone Buster Mill, 4- DC's, & 25 Jt's of TBG. R/U Power Swivel w/ Jt 26. Attempt to break circulation. well on vacuum. Clean out wellbore from 963' to 978'. R/D Power Swivel. Install TIW Valve. SION

10-26-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U Power Swivel. Attempt to break circulation. well on vacuum. Clean out wellbore from 978' to 995'. R/D Power Swivel. Secure BOPE & Install TIW Valve. Replaced Started on Rig. SION

10-27-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ WS TBG & DC's & Mill. RIH w/ 3-3/4 Pirahan Mill, DC's & WS TBG to 995'. R/U Power Swivel. Attempt to break circulation. Clean out wellbore from 995' to 997'. R/D Swivel. L/D 5 Jt's of TBG. SION

10-28-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ WS TBG & DC's. RIH w/ 3-3/4 Shoe, 6-3-3/4 JTs of Wash Pipe, 4- 3 1/8 DC's, & 20 Jt's of TBG. Tag Top of Fish @ 997'. R/U Power Swivel. L/D 4 Jts of TBG to 980'. Secure BOPE & Close in Well. SION

10-31-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ WS TBG, DC's & Wash pipe w/ shoe. Had 110' of 2-3/8 fish stuck in wash pipe. Remove Fish. RIH w/ 3-3/4 Shoe, 6 Jt's of Washpipe, 4 DC's & WS TBG. Tag up @ 1076'. R/U Power Swivel. Wash down to Top of Fish @ 1107. Wash down over fish to 1137'. Circulate well clean. L/D Power Swivel. Install TIW Valve. Close BOPE & Lock Pins. SION

11-01-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U Power Swivel. Tag up @ 1137'. Wash down to 1174'. R/D Power Swivel. POOH w/ WS TBG, 4 DC's & Wash Pipe w/ shoe. RIH w/ 3-3/4 shoe w/ 10 JT's of Wash Pipe, 4 DC's & 20 JT's of TBG. SION

11-02-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U Power Swivel. Tag up @ 1092'. Had to work past tight spot from 1092' to 1102'. Feel freely to 1186'. Begin to wash over fish from 1186' to 1202'. L/D 2 JT's to 1138'. L/D Power Swivel. Close BOPE & Lock Pins. Close all Valves. SION

11-03-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ WS TBG, & BHA. R/U Renegade Wireline. Ran Camera to 960' & Imagines didn't appear. RIH w/ 34 JT's of TBG. Ran Camera. Picked up parted & shifted CSG @ 1092'. POOH w/ WL & RD. Install TIW Valve. Close BOPE & Lock Pins. Close all Valves.

11-04-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ TBG. RIH w/ AD1 PKR. Begin to Test CSG. Able to set PKR @ 1044'. Found hole @ 488-520'. POOH w/ PKR. RIH w/ 3-3/4 Bit & 4 DC's @ 33 JT's. Tag up @ 1176. R/U Power Swivel. Able to work pass 1176 & feel freely. P/U 52 Jt's to 1816'. R/U Power Swivel. L/D 23 Jt's of TBG to 1066'. Install TIW Valve. Close BOPE & Lock Pins. Close all Valves. SION

11-07-22: Crew HTGSM. 0 PSI on TBG & CSG. RIH w/ TBG to 1816'. POOH w/ WS TBG & L/D DC's & BIT. RIH w/ 50 Jt's of TBG to 1630'. L/D 16 JT of TBG. POOH w/ WS TBG. RIH w/ perf sub, 19 JT's of Fiberglass TBG, 4.5 CMT Retainer & 28 JTs of TBG. Set CMT Retainer @ 911' w/ EOT @ 1460'. Est Injection Rate down TBG @ 2 BPM w/ 30 BBL's of FW. Close BOPE & Lock Pins. Close all Valves. SION

11-08-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U CMT Truck. Est Injection Rate @ 1 BPM @ 25 PSI. Pump 287 BBL's (1200 sxs) of Class C CMT & displaced w/ 15 BBL's of FW. Wash up CMT Truck. Close all Valves. SION

11-09-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U CMT Equipment. Est. Injection Rate @ 2 BPM @ 50 PSI. Pump 660 gals of sodium silicate & 287 BBL's (1200 sxs) of Class C CMT @ 2 BPM @ 130 PSI. WOC. 0 PSI on TBG. Pump 5 BBL's of FW @ 0 PSI @ 1 BPM. Close BOPE & Lock Pins. Close all valves. SION

11-10-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U CMT Truck. Est Injection Rate @ 1 BPM @ 25 PSI. Pump 330 gals of sodium silicate w/ 1 BBL of FW w/ 55 BBLs (200 sxs) of Thixotropic CMT @ 1 BPM @ 80 PSI. Attempted to hestiate last 5 BBL's of CMT. TBG on vacuum. Pump 2 BBL's of FW. TBG on vacuum. Flushed TBG w/ 5 BBL's of FW. WOC. Est Injection Rate @ 1 BPM @ 25 PSI. Pump 330 gals of sodium silicate w/ 1/2 BBL of FW & 100 sxs of Class C CMT w/ 3% calcium followed w/ 500 sxs of Class C CMT w/ 4% @ 3 BPM @ 120-150 PSI. Attempted to hestiate last 5 BBL's of CMT & TBG on vacuum. Flushed TBG w/ 2 BBL's of FW. Waited 15 minutes & TBG on vacuum. Flushed TBG w/ 6 BBL's of FW. Close all valves. SION

11-11-22: Crew HTGSM. 0 PSI on TBG & CSG. R/U CMT Truck. Est Injection Rate @ 1 BPM @ 25 PSI. Pump 660 gals of sodium silicate & 166 BBL's (600 sxs) of Thixotropic @ 1 BPM @ 80 PSI. Hestiate 5 BBL's of CMT in TBG. Stung out of CMT Retainer. TBG on Slight vacuum. POOH w/ TBG. WOC. RIH w/ 28 JT's of TBG & tag CMT Retainer. L/D 2 Jts of TBG. Install TIW Valve. Close BOPE & Lock Pins. SION

11-14-22: Crew HTGSM. 0 PSI on TBG & CSG. POOH w/ TBG. RIH w/ stinger & 30 JT's. Sting into CMT Retainer. Pump 20 BBL's of BW @ 2 BPM @ 0 PSI. TBG on vacuum. Close BOPE & Lock Pins. SION

11-15-22: Crew HTGSM. 0 PSI on TBG & CSG. Wait on Order. Discuss Plan of action w/ BLM. Proposed to Pump small plug w/ LCM material ahead. Close BOPE & all valves. SION

11-16-22: Crew HTGSM. 0 PSI on TBG & CSG. Est. Injection Rate @ 1 BPM @ 25 PSI. Pump 6 BBLs of FW w/ Gel Mix w/ 16 pounds of Cellophane Flake followed by 6 BBLs (25 sxs) of Class C CMT @ 1.5 BPM @ 250-350 PSI. Displaced w/ 2 BBLs of FW. Shut down pump. TBG PSI went to 0 PSI. TBG on vacuum. Waited 15 minutes. TBG on vacuum. WOC. POOH w/ TBG. RIH w/ CIBP & 28 Jts of TBG to 910'. R/U Pump Truck. Circulated well w/ 30 BBLs of BW. Spoted 3.5 BBLs (15 sxs) of Class C CMT & Displaced w/ 4 BBL to 686'. POOH w/ TBG. Close BOPE & Lock Pins. SION

11-17-22: Crew HTGSM. 0 PSI on CSG. RIH w/ 22 JT's of TBG. Tag TOC @ 700'. L/D WS TBG. R/U Wireline. RIH w/ Perf Gun. Perforate CSG @ 507'. POOH w/ WL & RD. Est Injection Rate @ 2.5 BPM @ 300 PSI w/ 50 BBLs of BW. ND BOPE & NU WH. R/U CMT Truck. Pump 43 BBLs (180 sxs) of Class C CMT & circulated

to surface @ 2 BPM @ 300 PSI. Close all valves. R/D CMT Truck. R/D Pulling Unit. Clean up location. Well is plugged.

Final Wellbore Diagram 12/05/22

Cato San Andreas Unit # 128

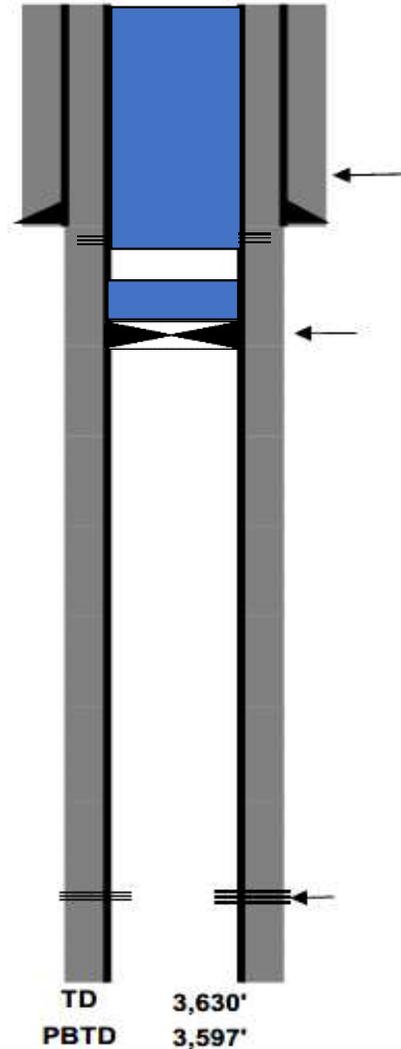
API # 3000520045

Surf Lat 33.61067
Surf Long -103.85643

PERF@ 507'. SQZ 180 SX CL C CMT
507'-0'. (CMT to Surface)

SET CIBP @ 910'. 15 SX CL C CMT
910'-700' (TAG).

Hole in Csg - From 488-520'.
Pumped Cumulative of 3825 sx
cement, due to hole that cement
can not be accounted for. See Email
attachment from BLM on new plan
of action.



Surface Casing
12 1/4 in. hole @ 457 '
8 5/8 in. casing @ 457 '
w/ 300 sx cement TOC- Surf-Circ

Production Casing
7 7/8 in. hole @ 3630 '
4 1/2 in. casing @ 3630 '
w/ 800 sx cement TOC- Surface

[10540] Cato; San Andreas Perfs
Top 3,576'
Bottom 3,600'

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 177467

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 177467
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	5/4/2023