

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

09/14/2022

Well Name: SAND TANK 6 FED

Well Location: T18S / R30E / SEC 6 /
SWNE /County or Parish/State: EDDY /
NM

Well Number: 1

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMNM021095

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001528983

Well Status: Producing Gas Well

Operator: EOG RESOURCES
INCORPORATED

Accepted for record – NMOCD gc9/14/2022

Notice of Intent

Sundry ID: 2690517

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 09/01/2022

Time Sundry Submitted: 04:55

Date proposed operation will begin: 09/30/2022

Procedure Description: EOG PROPOSES TO PLUG THIS WELL USING THE ATTACHED PROCEDURE. THE PROPOSED AND CURRENT WELL BORE DIAGRAMS ARE ALSO ATTACHED.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments**Procedure Description**

Sand_Tank_6_Federal__1__CURRENT_WBD_20220901165506.pdf

Sand_Tank_6_Federal__1__PROPOSED_WBD_20220901165447.pdf

Sand_Tank_6_Federal__1__P_A_Procedure_20220901165419.pdf

Well Name: SAND TANK 6 FED**Well Location:** T18S / R30E / SEC 6 / SWNE /**County or Parish/State:** EDDY / NM**Well Number:** 1**Type of Well:** CONVENTIONAL GAS WELL**Allottee or Tribe Name:****Lease Number:** NMNM021095**Unit or CA Name:****Unit or CA Number:****US Well Number:** 3001528983**Well Status:** Producing Gas Well**Operator:** EOG RESOURCES INCORPORATED**Conditions of Approval****Specialist Review**

SAND_TANK_6_FEDERAL_1__2690517__COA_AND_PROCEDURE_20220914103102.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: KAY MADDOX**Signed on:** SEP 01, 2022 04:55 PM**Name:** EOG RESOURCES INCORPORATED**Title:** Regulatory Specialist**Street Address:** 5509 CHAMPIONS DR.**City:** MIDLAND**State:** TX**Phone:** (432) 638-8475**Email address:** KAY_MADDOX@EOGRESOURCES.COM**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Email address:****BLM Point of Contact****BLM POC Name:** KEITH P IMMATTY**BLM POC Title:** ENGINEER**BLM POC Phone:** 5759884722**BLM POC Email Address:** KIMMATTY@BLM.GOV**Disposition:** Approved**Disposition Date:** 09/14/2022



Sand Tank 6 Federal #1 – P&A Procedure

G-6-18S-30E

API # 30-015-28983

1. Notify Regulatory Agency 24 hours prior to commencing work. MIRU well service unit and all necessary safety equipment.
2. ND WH, NU BOP.
3. RIH, set 5.5" CIBP at 11100. TAG. Pressure test CIBP to 500psi for 30 minutes.
4. Circulate plugging mud and spot 25 sx class H on top of CIBP (11100 to 10870)
5. RIH, set 5.5" CIBP at 10663. TAG. Pressure test CIBP to 500psi for 30 minutes.
6. Spot 25 sx Class H on top of CIBP (10663 to 10410)
7. Pick up, set balanced plug of 25 sx Class H from 8352 to 8100. This satisfies capping the top of the Wolfcamp Formation. **WOC and Tag.**
8. Pick up, set balanced plug of 25 sx Class C from 5100 to 4850. This satisfies the 3000 foot cased plug spacing rule. **WOC AND TAG.**
9. **Bone Spring : 4529' - 4384'. WOC and Tag**
10. Pick up, perf @ 4000 and squeeze and balance w/ 25 sx Class C as part of -50' below intermediate shoe. 4000 to 3748. WOC and TAG.
11. Pick up, perf @ 1360 and squeeze and balance w/ 25 sx Class C at TOC. 1360 to 1108. WOC & TAG.
12. Pick up, perf @ 705 and squeeze and balance w/ 165 sx Class C as part of -50' below surface shoe. 705 to **SURFACE. Secretary Potash: TOC/Karst Depth (500' to Surface.) Combined shoe + Surface plug. Verify cement to surface inside and outside casing.**
13. Cut off WH 3' below surface, verify cement to surface, and weld on below ground P&A marker.
14. Cut off anchors 3' below surface and clean location.

KEITH
IMMATTY

Digitally signed by KEITH
IMMATTY
Date: 2022.09.14 10:11:44
-06'00'

Well Name: Sand Tank 6 Federal #1
 Location: 1980 FNL & 1650 FEL
 County: Eddy, NM
 Lat/Long: 32.7782898, -104.0081024
 API #: 3001528983
 Spud Date: 8/8/96
 Compl. Date: 10/1/96



Current Wellbore Diagram:

K8:
 GL: 3554

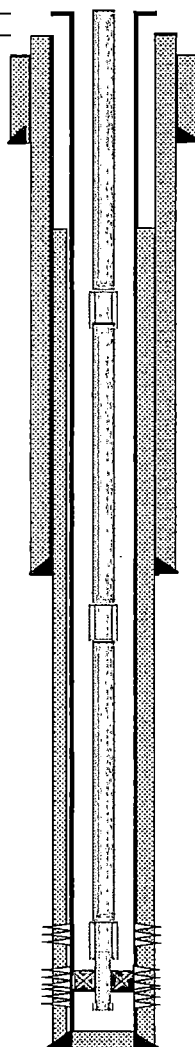
14.750"
 14.750" 42.00# @ 655
 350 sx = surface
 TOC @ 1360 (calc)

11.000"
 8.625" 32.00# @ 3950
 1350 sx = surface

TBG 2.875" 6.50# on PKR @ 11253
 Sliding Sleeve @ 10805, 1" CTU @ 11125

7.875"
 5.500" 17.00# @ 11765
 1180 sx = 1360 (calc)

P8TD @ 11743
 TD @ 11765



Open Perfs 10763 - 10788 (Atoka)

Open Perfs 11157 - 11174 (Middle Morrow)

Open Perfs 11334 - 11344 (Lower Morrow)

Formation Tops

T of Salt	
B of Salt	
Rustler	
Bell Canyon	
Cherry Canyon	
Brushy Canyon	
Leonard	
Bone Spring	4,479
Wolfcamp	8,302
Cisco	
Canyon	
Strawn	10,324
Atoka	10,548
Morrow	11,250

Not to Scale

By: AEC 8/31/22

Well Name: Sand Tank 6 Federal #1
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Proposed
 Current Wellbore Diagram:

KB:
 GL: 3554

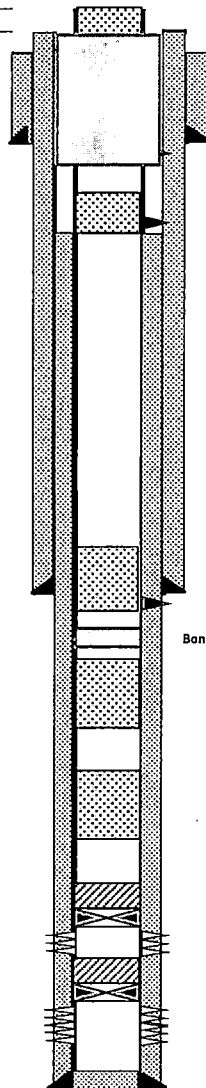
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7.875"
 5.500" 17.00H @ 11765
 1180 sx = 1360 (calc)

PBTD @ 11743
 TD @ 11765



Cut off WH 3' below surface
 Set balanced plug of 10 sx Class H to surface (100 to 0)

Perf and Sqz @ 705 for surface shoe w/ 165sx Class C, WOC & TAG (Top at Surface.)
 Secretary Potash: TOC/Karst Depth (500' to Surface.) Combined shoe + Surface plug

Perf and Sqz @ 1360 for TOC w/ 25sx Class C, WOC & TAG (Top ~1108)

Perf and Sqz @ 4000 for Intermediate shoe w/ 35sx Class C, WOC & TAG (Top ~3748)
 Bone Spring 4529' - 4384'. WOC and Tag

Set Balanced Plug of 25 sx Class C from 5100 to 4850, satisfies 3000 foot cased plug spacing

Set Balanced Plug of 25 sx Class H from 8352 to 8100, satisfies capping of Wolfcamp Formation

Top of 25sx Class H spot (10563 to 10410)
 CIBP @ 10663, Test 500psi, 30mlns TAG, Spot 25 sx Class H
 Open Perfs 10763 - 10788 (Atoka)
 Top of 25sx Class H spot (11100 to 10870)
 CIBP @ 11100, TAG, Spot 25 sx Class H, satisfies capping of Morrow Formation
 Open Perfs 11157 - 11174 (Middle Morrow)
 Open Perfs 11334 - 11344 (Lower Morrow)



Formation Tops

T of Salt	
B of Salt	
Rustler	
Bell Canyon	
Cherry Canyon	
Brushy Canyon	
Leonard	
Bone Spring	4,479
Wolfcamp	8,302
Cisco	
Canyon	
Strawn	10,324
Atoka	10,548
Morrow	11,250

Not to Scale

By: AEC 8/31/22

Sundry ID

2690517

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	500.00	500.00	Tag/Verify	115.00	Perf and sqz
Shoe Plug	598.45	705.00	106.55	Tag/Verify	25.00	Perf and sqz
Shoe Plug	3860.50	4000.00	139.50	Tag/Verify	35.00	Perf and sqz
				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns		
Bonesprings @ 4479	4384.21	4529.00	144.79		25.00	
Spacer Plug	4850.00	5100.00	250.00		25.00	
				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns		
Wolfcamp @ 8302	8168.98	8352.00	183.02		25.00	

				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns		
CIBP Plug	10628.00	10663.00	35.00		25.00	Pressure test 500psi , 30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Critical, High Cave Karst: Cave Karst depth to surface

R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

Class C: 1.32 ft³/sx

Class H: 1.06 ft³/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement	Low	500.00
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Shoe @ 655.00

Shoe @ 3950.00

Shoe @ 11765.00

Perforatons Top @ 10763.00 Perforations 11344.00

CIBP @ 10663.00

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Permanent Abandonment of Federal Wells
Conditions of Approval (LPC Habitat)**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines (**Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure**). Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads.** Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

- have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.
5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

Jose Martinez-Colon
Environmental Protection Specialist
575-234-5951

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

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
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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 143299

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 143299
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	9/14/2022