Form 3160-5 (June 2019)

UNITED STATES

FORM APPROVED OMB No. 1004-0137

	PARTMENT OF THE INTERIOR	Exp	pires: October 31, 2021		
	EAU OF LAND MANAGEMENT		5. Lease Serial No.	NM-95627	•
	NOTICES AND REPORTS ON	6. If Indian, Allottee of		•	
abandoned well.	form for proposals to drill or t Use Form 3160-3 (APD) for su	to re-enter an Ich proposals.			
	TRIPLICATE - Other instructions on pa		7. If Unit of CA/Agre	ement, Name and/or No.	-
1. Type of Well					
Oil Well Gas	Well Other		8. Well Name and No.	ROCKY ARROYO FED #1	•
	EST ROYALTIES, INC.		9. API Well No.	30-025-34095	5
3a. Address P.O. BOX 53570 MIDLAND, TEXAS			ATOKA, NE (G) / RO	MORROW (GAS) / ROCKY ARROYO; OCKY ARROYO: STRAWN (G)	e e
4. Location of Well (<i>Footage</i> , <i>Sec.</i> , <i>T.</i> , A, SEC 08, T-22S, R-22E,			11. Country or Parish,	, State	•10
	ECK THE APPROPRIATE BOX(ES) TO IN	IDICATE NATURE OF NO		Y, NEW MEXICO	
TYPE OF SUBMISSION	CERTIL ATTROPRIATE BOX(ES) TO IN			HER DATA	
		TYPE OF A		Processing	
Notice of Intent		- Processing	oduction (Start/Resume)	Water Shut-Off Well Integrity	
Subsequent Report	Processed J	-	complete	Other	
-	Change Plans Plug	personne	mporarily Abandon		
Final Abandonment Notice	Convert to Injection Plug		ter Disposal		
NOTICE OF INTENT TO POH 2-3/8" tbg, Set CIBI CMT Plug #1 @ 5500', P 35 sxs Class C cmt, WO Surface Plug @ 400' - Po	PLUG AND ABANDON - 24 Hi PLUG AND ABANDON - 24 Hi P @ 8180' w/ 35' Class C cmt, Verf and Squeeze 35 sxs Class C C 4 hrs & tag, CMT Plug #3 @ 10 perf and Circulate Class C cmt to the seel pit will be used, Contents dis	RS NOTICE WOC 4 hrs & tag, Te C cmt, WOC 4 hrs & 1755', Perf and Sque Surface.	st to 500 psi. Circ tag, CMT Plug #2 eze ¾ sxs Class (435 %	hole with 10# gelled brine. ② 2800', Perf and Squeeze C cmt, WOC 4 hrs & tag,	8130' + 1835' 320 ' Cinlo
** Location Remediation	to Follow**				
			See Haul	hneut.	
4. I hereby certify that the foregoing is LINDSAY LI	true and correct. Name (Printed/Typed) VESAY	REC	GULATORY ANALYST	-	
Signature Lindsay Li	Date	12/10/2021			
	THE SPACE FOR FED	ERAL OR STATE OF	FICE USE Accep	ted for record – NMOCD gc 1/17/	2023
Approved by					
Long Vo Zu		Title Petroleum	Engineer D	Date 1/15/2022	
Conditions of approval, if any, are attack tertify that the applicant holds legal or earth which would entitle the applicant to con-	ned. Approval of this notice does not warran quitable title to those rights in the subject le duct operations thereon.	nt or	<i>V</i>		
Fitle 18 U.S.C Section 1001 and Title 43	U.S.C Section 1212, make it a crime for an	ny person knowingly and wil	Ifully to make to any dep	partment or agency of the United States	

(Instructions on page 2)

Wellbore Schematic

Printed: 12/10/2021

Page 2

Rocky Arroyo Federal # 1

Well ID: 74857-001

API # 30-015-34095

(in/out) 435 xx Pe 435 xx Pe 446 1835' Pe 75 xx 5,3 Pe 8,1 Cill 8,9 Cill

Wellbore Plugs	s and Junk				
Тор	Bottom	Type	Diameter	Solid	Date
0.00	400.00	Cmt	8.625	Yes	12/10/2021
Perf and Circula	ate Class C Cmt	to Surface	THE RESIDENCE OF THE PROPERTY	and the second s	
1,555.00 O	1,755.00	Cmt	8.625	Yes	12/10/2021
Perf and Circula	ate 35 sxs Class	C Cmt	A CONTRACTOR OF THE PARTY OF TH	non-territorio de constituir en enconstituir en	
	2,800.00		5.500	Yes	12/10/2021
Perf and Circula	ate 35 sxs Class	C Cmt		The second secon	
5,300.00	5,500.00- 602	o Cmt	5.500	Yes	12/10/2021
Perf and Circula	ate 35 sxs Class	C Cmt	the second secon	The Text of the Section of the Secti	***************************************
8,145.00	8,180.00	CIBP	5.500	Yes	12/10/2021
CIBP with 35' o	f Class C Cmt				
8,990.00	9,025.00	CIBP	5.500	Yes	3/15/2006
CIBP set @ 902	25' + 35' cement	Not the second of the second o			
	A 100 CO				

Morrow @ 9218'
Wolfcamp@ 5970'
Bone Spring @ 3080'
Glorietta @ 1905'

Deepest Expected fresh water @ 1000'

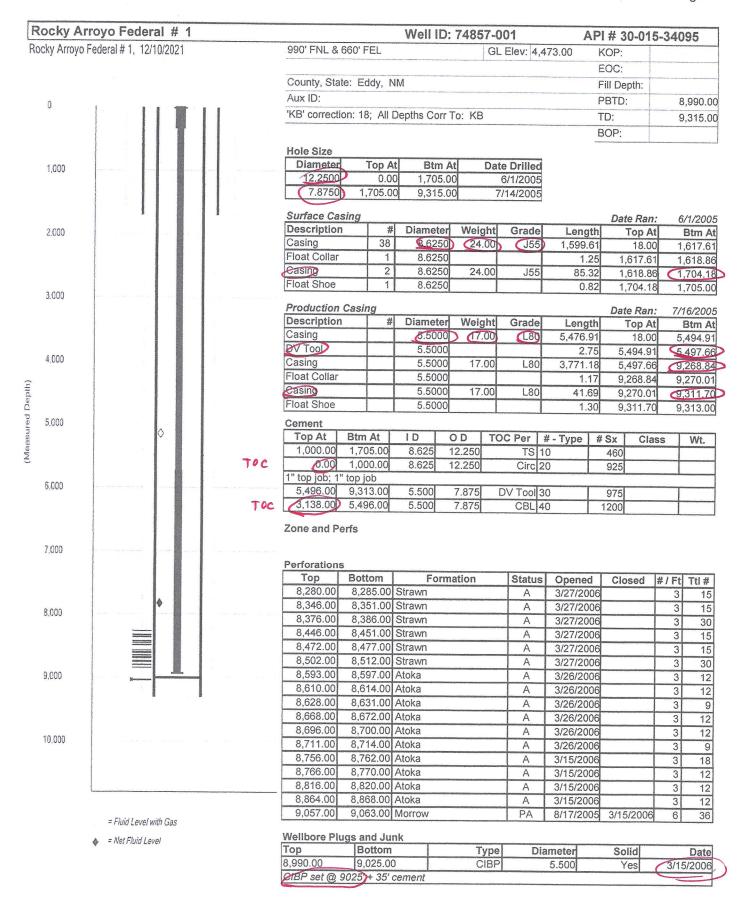
WOL FAK

Medium Cave

Wellbore Schematic

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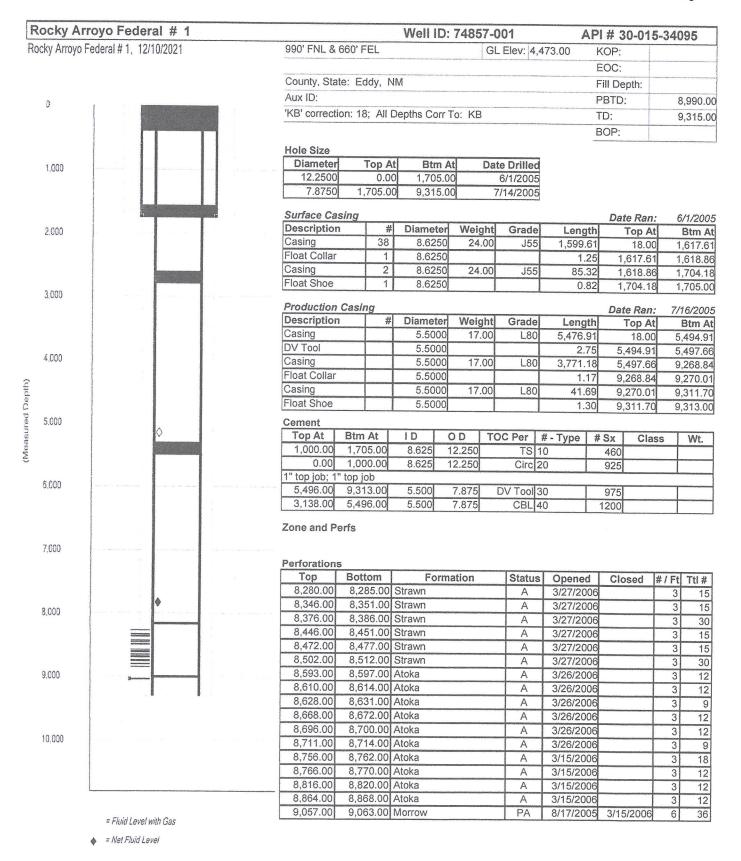
Page 1



Wellbore Schematic

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Page 1



Wellbore Schematic

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Page 2

Rocky Arroyo Federal # 1

Well ID: 74857-001

API # 30-015-34095

Tubing	retarquesquescons		NATION OF THE PARTY OF THE PART			Date Ran:	5/5/2008
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Bull Plug	1	2.8750				18.00	
Slotted MA	1	3.5000				18.00	
Seat Nipple	1	2.8750				18.00	
Other	1	2.8750			4.00	18.00	22.00
Tubing	27	2.8750				22.00	ATTENDED TO STATE OF THE STATE
Tubing Anchor	1	2.8750			4.00	22.00	26.00
Tubing	240	2.8750				26.00	***************************************

Rods						Date Ran:	5/5/2008
Description	#	Diameter	Rod Box	Grade	Length	Top At	Btm At
Gas Anchor	1	1.1250			16.00	0.00	16.00
Pump	1	1.5000			20.00	16.00	36.00
Rod Guide	1	0.7500	Full SM		1.00	36.00	PARTICIPATE OF THE PARTY OF THE
Stabilizer	1	0.7500	Full SM		4.00	37.00	PRINTED BY THE PRINTE
Rods	6	1.1250	Full SM		150.00	41.00	THE RESIDENCE OF THE PARTY OF T
Stabilizer	1	0.7500	Full SM	-	4.00	191.00	195.00
Rods	6	1.1250	Full SM		150.00	195.00	345.00
Stabilizer	1	0.7500	Full SM		4.00	345.00	349.00
Rods	215	0.7500	Full SM	N97	5,375.00	349.00	5,724.00
Rods	128	0.8750	Full SM	N97	3,200.00	5,724.00	CONTRACTOR OF THE PARTY OF THE
Polish Rod	1	1.3750			26.00	8,924.00	8,950.00

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

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 <u>ninety (90)</u> 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. <u>Notification:</u> 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 575-393-3612.
- 3. <u>Blowout Preventers</u>: 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. <u>Mud Requirement:</u> 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. <u>Cement Requirement</u>: 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. <u>Dry Hole Marker</u>: 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.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

- 7. <u>Subsequent Plugging Reporting:</u> 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. <u>Trash:</u> 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.



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 predisturbance 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 and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, redistribute the native soils, provide erosion control as needed, rip 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.

- 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 575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias Environmental Protection Specialist 575-234-6230

Crisha Morgan Environmental Protection Specialist 575-234-5987

Melissa Horn Environmental Protection Specialist 575-234-5951

Kelsey Wade Environmental Protection Specialist 575-234-2220

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

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 175855

CONDITIONS

Operator:	OGRID:
SOUTHWEST ROYALTIES INC	21355
P O BOX 53570	Action Number:
Midland, TX 79710	175855
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

С	reated By	Condition	Condition Date
	gcordero	None	1/17/2023