B SUNDRY Do not use th	S NTERIOR GEMENT RTS ON WELLS drill or to re-enter an D) for such proposals.		OMB N	APPROVED O. 1004-0137 anuary 31, 2018 or Tribe Name	
SUBMIT IN	TRIPLICATE - Other ins	tructions on page 2		7. If Unit or CA/Agree	ement, Name and/or No.
1. Type of Well □ Oil Well □ Gas Well ☑ Ot	E		8. Well Name and No. SAN JUAN 30-4 U		
2. Name of Operator SOUTHLAND ROYALTY CO	ERIC KITTINGER ER@MSPARTNERS.COM		9. API Well No. 30-039-07878		
3a. Address 400 W 7TH ST FORT WORTH, TX 76102		3b. Phone No. (include area code) Ph: 817-334-8302		10. Field and Pool or Exploratory Area BASIN FRUITLAND COAL	
4. Location of Well (Footage, Sec., 7			11. County or Parish, State		
Sec 8 T30N R4W 1840FSL 1				RIO ARRIBA COUNTY, NM	
12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICATE NATU	RE OF NOTICE	L E, REPORT, OR OTH	IER DATA
TYPE OF SUBMISSION	TYPE OF ACTION				
D Nation of Internet	□ Acidize	Deepen	🗖 Produ	ction (Start/Resume)	□ Water Shut-Off
□ Notice of Intent	□ Alter Casing	🗖 Hydraulic Fract	uring 🗖 Reclai	nation	Well Integrity
Subsequent Report	Casing Repair	New Construction	on 🗖 Recon	nplete	🛛 Other
🛛 Final Abandonment Notice	□ Change Plans	Plug and Aband	on 🗖 Tempo	orarily Abandon	Final Abandonment No tice
	Convert to Injection	Plug Back	□ Water	□ Water Disposal	
13. Describe Proposed or Completed Op If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for f Southland Royalty Company report for the San Juan 30-4 I 14. I hereby certify that the foregoing i	ally or recomplete horizontally, rk will be performed or provide d operations. If the operation re bandonment Notices must be fil inal inspection. LLC/MorningStar Operatin Jnit #12.	give subsurface locations and the Bond No. on file with BL sults in a multiple completion ed only after all requirements	measured and true M/BIA. Required s or recompletion in a including reclamati	vertical depths of all pertin ubsequent reports must be a new interval, a Form 316 on, have been completed a	ent markers and zones. filed within 30 days 0-4 must be filed once
	Electronic Submission # For SOUTHLAND RC	533332 verified by the BL YALTY COMPANY LLC, Title R	sent to the Farmi	ngton	
Name(Printed/Typed) CONNIE BLAYLOCK			EGULATORY A	NALISI	
Signature (Electronic Submission)		Date 10)/08/2020		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE					
Approved By		Title			Date
Conditions of approval, if any, are attached	ed. Approval of this notice does	s 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.

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.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Office

Reclamation Report for the San Juan 30-4 Unit #12 Well Pad and Access Road

This report presents the results of the field investigation of the plugged and abandoned (P&A) San Juan 30-4 Unit #12 well pad and access road. The field examination was conducted to determine reclamation success prior to submittal of a Final Abandonment Notice (FAN) to the Bureau of Land Management and the Jicarilla Ranger District of the Carson National Forest. The Jicarilla Ranger District Ranger District has established requirements that must be achieved for approval of FANs. These requirements are:

- Established native vegetative cover equal to 70% of the adjacent undisturbed areas,
- No noxious/invasive weeds are present. This includes no New Mexico Department of Agriculture (NMDA) Class A or B noxious weed species and no more than 10% Class C noxious weed species throughout the entire project area (well pad location, road, etc.). If Class A or B species, or greater than 10% Class C species are observed then a treatment plan will be required.
- No excessive erosion exists,
- No signs of unauthorized motor vehicle use exists, and
- No signs of garbage/waste, such as pit liner, old flow lines, cables, etc.

On September 25, 2020, Mr. Jason Peace of Morningstar Operating LLC (Morningstar) and Ms. Ilyse Gold of Nelson Consulting Inc. (NCI) visited the San Juan 30-4 Unit #12 P&A location. Ms. Gold walked the entirety of the reclamation well pad and access road areas as identified in the field by Mr. Peace who oversees reclamation for Morningstar (see maps in Appendix A). In addition to the reclamation areas, the survey also included a minimum 50-foot buffer adjacent to the reclaimed areas. The adjacent, native vegetation is that of pinyon-juniper woodland with montane shrubs. A list of the plant species observed is attached (Appendix B). A visual estimate of reclaimed vegetation cover relative to the adjacent undisturbed areas was documented. The inventory focused on live vegetation. Previous year's dead/dormant vegetation and litter was also noted.

Vegetation on the reclaimed well pad is dominated by rubber rabbitbrush (*Ericameria nauseosa*). Understory vegetation consists of crested wheatgrass (*Agropyron cristatum*), western wheatgrass (*Pascopyrum smithii*), yarrow (*Achillea spp.*), and prairie sagewort (*Artemisia frigida*). The wheatgrasses on the well pad were heavily grazed, with evidence of both horses and cattle using the area. No NMDA A, B or C noxious species were observed. No cheatgrass (*Bromus tectorum*) was observed on the well pad. Minor erosion is evident on the well pad cut slopes. This erosion is limited to the slopes themselves. Dead trees, most likely from the well pad, have been piled in the drainage leading off the pad, assisting in erosion control. There is little erosion on the well pad or leading off the pad. Due to the rabbitbrush overstory, vegetation cover across the well pad is estimated at 60%. Adjacent vegetation cover is estimated at 40%. There is no trash or well debris on the well pad.

Vegetation on the access road is dominated by a variety of shrubs, including antelope bitterbrush (*Purshia tridentata*), big sagebrush (*Artemisia tridentata*), prairie sagewort, beetle silver sagebrush (*Artemisia cana*), and four-wing saltbush (*Atriplex canescens*). A number of young pinyon (*Pinus edulis* Engelm) and Utah juniper (*Juniperus osteosperma*) trees were noted. Grass species include crested wheatgrass and intermediate wheatgrass (*Thinopyrum intermedium*). No NMDA A, B or C noxious species were observed. No cheatgrass was observed on the access road. Some erosion is evident within the access road in a few places. However, this erosion has been contained to the road and properly drained off the road via

water bars. The water bars appear to be functioning correctly, as little to no erosion is occurring off the access road. The access road is blocked to vehicle access by a number of t-posts in place at the junction with Forest Service Road 310E1. Vegetation cover across the access road is estimated at 35%. Adjacent vegetation cover is estimated at 45%. There is no trash or well debris on the access road.

Although this well pad and access road are over 50 years old, there is evidence of reseeding on the well pad and access road, in addition to water barring on the access road. The well pad meets the 70% standard of the adjacent vegetation (28%) with an estimated cover of 60%. The access road also meets the 70% standard (24.5%) with an estimated cover of 35%. Although, some erosion is evident, little erosion from the disturbance is evident off the originally disturbed areas. Even though cut slopes from well pad construction remain, it is NCI's recommendation that no dirt work be done because of the successful reclamation and the current lack of cheatgrass. The waterbars on the access road appear to be functioning properly; therefore, no further reclamation is recommended. No NMDA A, B, or C noxious species were observed. There is no trash or well debris on the well pad or access road.

It is NCI's recommendation that the reclamation on the San Juan 30-4 #12 well pad and access road be considered successful.

The following Appendices are included in this report:

Appendix A

Orthophotographic map of the San Juan 30-4 Unit #12 Well Pad and Access Road Topographic map of the San Juan 30-4 Unit #12 Well Pad and Access Road

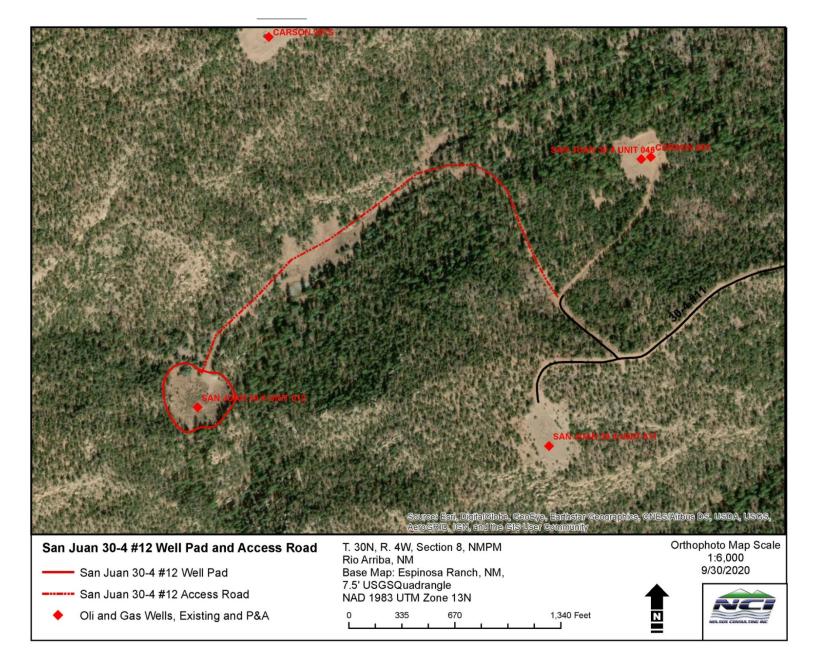
Appendix B

List of Plant Species Observed at the San Juan 30-4 Unit #12 Well Pad and Access Road,

Appendix C

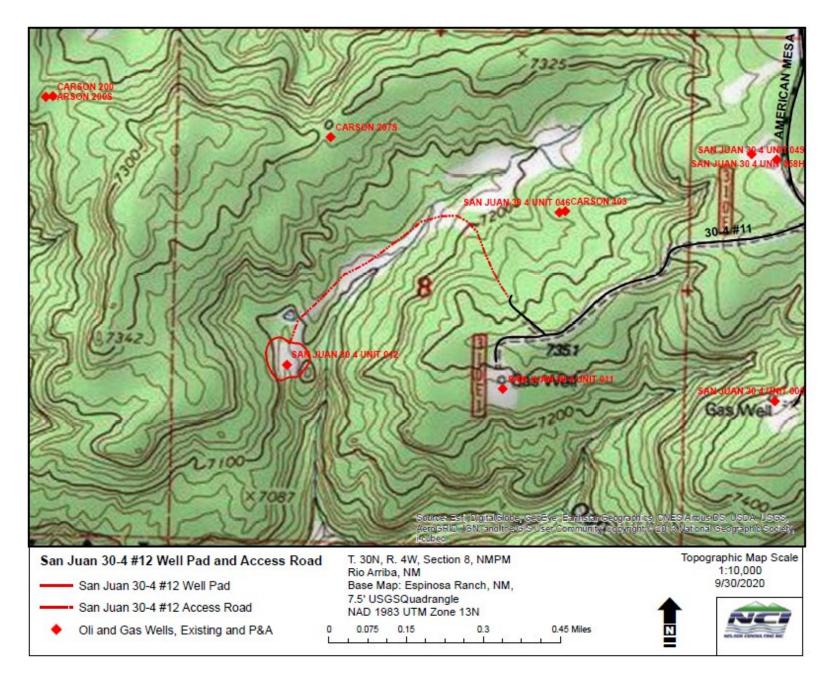
Photo Documentation of the San Juan 30-4 Unit #12 Well Pad and Access Road.

APPENDIX A Maps



San Juan 30-4 #12 Reclamation Report

Nelson Consulting, Inc.



APPENDIX B

Plant Species Observed on the San Juan 30-4 Unit #12 Well Pad and Access Road

Scientific Name	Common Name			
Grasses				
Achnatherum hymenoides	Indian ricegrass			
Agropyron cristatum	Crested wheatgrass			
Elymus elymoides	Bottlebrush squirreltail			
Pascopyrum smithii	Western wheatgrass			
Sporobolus cryptandrus	Sand dropseed			
Thinopyrum intermedium	Intermediate wheatgrass			
Forbs				
Achillea spp	Yarrow			
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Artemisia frigida	Prairie sagewort			
Artemisia tridentata	Big sagebrush			
Atriplex canescens	Four-wing saltbush			
Ericameria nauseosa	Rubber rabbitbrush			
Ericameria parryi	Parry's rabbitbrush			
Krascheninnikovia lanata	Smit winterfat			
Lorandersonia depressa	Bailey's rabbitbrush			
Purshia tridentata	Antelope bitterbrush			
Quercus gambelii	Gambel's oak			
Yucca baileyi	Bailey's yucca			
Trees				
Juniperus osteosperma	Utah juniper			
Pinus edulis Engelm	Pinyon pine			

APPENDIX C Selected Photographs of the Reclaimed Well Pad and Access Road



Reclaimed San Juan 30-4 #12 Well Pad



Undisturbed Area near the San Juan 30-4 #12 Well Pad



Dead Trees Placed in Drainage along Well Pad Fill Slope



Well Pad Cut Slope, Showing some Erosion



Well Pad Cut Slope with Little Erosion



Access Road Blocked to Motorized Vehicles at the Junction of Forest Service Road 310E1



Erosion along Access Road



Erosion along Access Road



Access Road Looking South, Southwest to the Well Pad



Water Bar within Access Road



Area Adjacent to Access Road that Appears to have been Disturbed. Reason for Disturbance Unknown



Undisturbed Area Adjacent to the Access Road

Reclamation Report for the San Juan 30-4 Unit #12 Well Pad and Access Road

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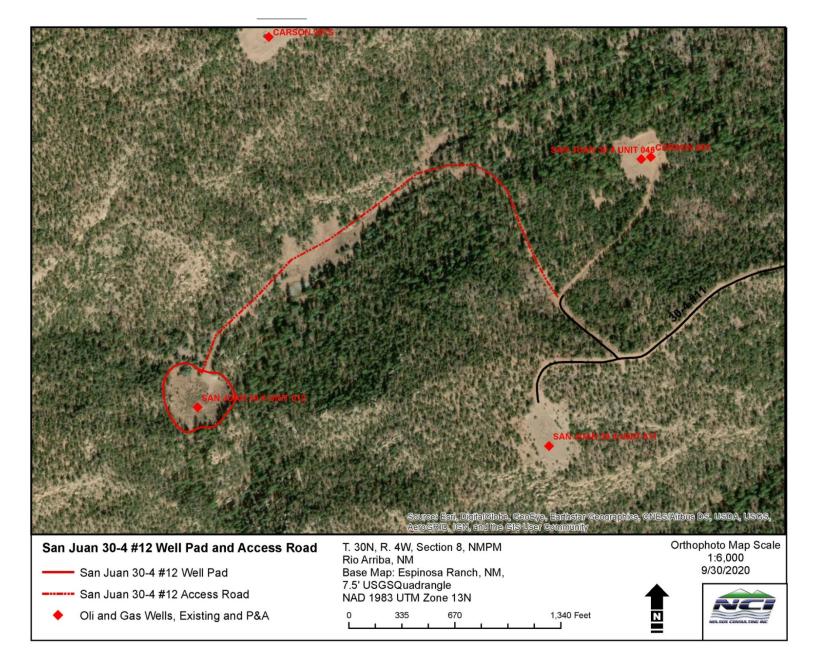
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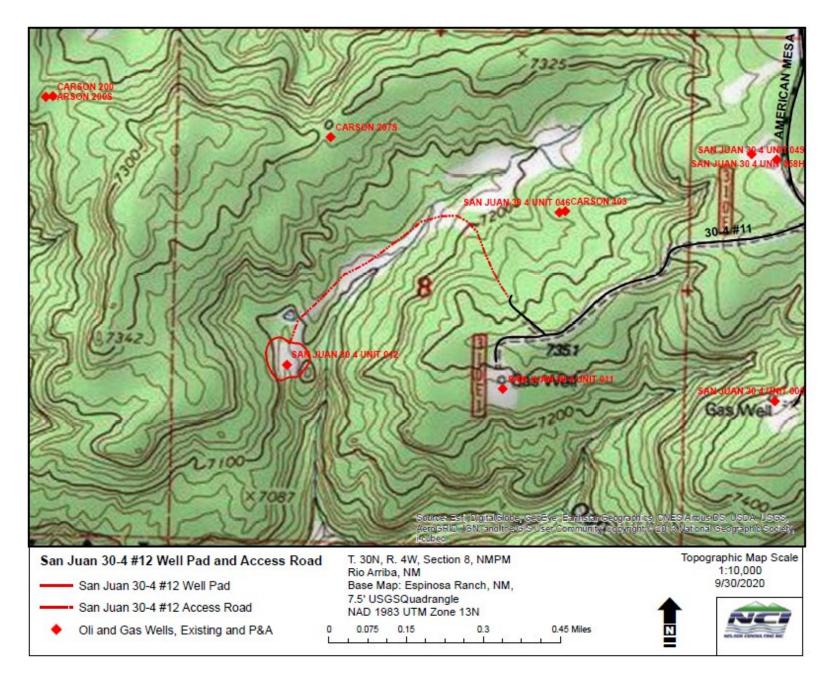
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San Juan 30-4 #12 Reclamation Report

Nelson Consulting, Inc.



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Reclaimed San Juan 30-4 #12 Well Pad



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Dead Trees Placed in Drainage along Well Pad Fill Slope



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Well Pad Cut Slope with Little Erosion



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