

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

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 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 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.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by		
	Title	Date
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

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: LOT 1 / 1127 FNL / 395 FEL / TWSP: 23S / RANGE: 28E / SECTION: 1 / LAT: 32.3389517 / LONG: -104.0332427 (TVD: 0 feet, MD: 0 feet)

PPP: LOT 4 / 957 FNL / 0 FWL / TWSP: 23S / RANGE: 29E / SECTION: 5 / LAT: 32.339135 / LONG: -104.015396 (TVD: 10339 feet, MD: 16915 feet)

PPP: LOT 5 / 1499 FNL / 0 FWL / TWSP: 23S / RANGE: 29E / SECTION: 6 / LAT: 32.337921 / LONG: -104.031946 (TVD: 10339 feet, MD: 11561 feet)

PPP: LOT 1 / 1127 FNL / 395 FEL / TWSP: 23S / RANGE: 28E / SECTION: 7 / LAT: 32.3389517 / LONG: -104.0332427 (TVD: 0 feet, MD: 0 feet)

BHL: LOT 1 / 330 FNL / 330 FEL / TWSP: 23S / RANGE: 29E / SECTION: 5 / LAT: 32.3408215 / LONG: -103.9993556 (TVD: 10339 feet, MD: 20606 feet)

Novo Oil & Gas, LLC



CAPITAL WORKOVER PROCEDURE

AFE NUMBER: 4000002

Responsibility: Paul Jobe – Senior Operations Engineer
Brad Walls – Production Superintendent

Procedure Date: February 22, 2022

Rana Salada Fed Com 0605 231H
API #: 30-015-46085
WOLFCAMP B INTERVAL
1127' FNL & 395' FEL
Sec 1, T-23-S, R-28-E
GPS Coordinates: 32.33895, -104.03324
Eddy County, NM

RANA SALADA FED COM 0605 231H CAPITAL WORKOVER

Novo Oil & Gas, LLC

RANA SALADA FED COM 0605 231H Workover Procedure

Casing:	5 1/2" 23# P-110 HC R-3 Ultra SF SMLS set @ 20,887 ft
Liner:	None
Tubing:	None
Elevation:	3,089 ft

Pre-Job safety meeting

Before any work is performed there will be a tailgate safety meeting held to discuss the job details, hazards and inspection of equipment. Make sure all safety equipment in proper place: chock blocks, grounding cables, and fire extinguishers.

- Fall protection is required when working at heights. A man lift will be used when deemed appropriate by Novo company representative. Fall protection is required at all times while working from a man lift.
 - Well and tubing string information will be given by the Novo company representative.
 - Understanding of max pull capabilities of workover rig, and weight of tubing in well, as well as weight of work string.
 - Proper PPE required to perform work
 - Designated smoking area
 - Emergency evacuation procedure and designated muster areas
 - Job procedures and designated duties and responsibilities
 - Contingency plans specific to each vendor involved in operations
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1. MIRU **Hurricane** workover rig.
2. MIRU auxiliary equipment.
3. Install back-pressure valve, remove tree, install and test BOPs.
4. Remove back-pressure valve.
5. RIH with slickline and gauge ring & junk basket to 10,800 ft to verify casing is clear and ready to receive tubing.
6. Pick up and RIH with a total of ~345 joints 2-7/8", 6.5#/ft L80 production tubing including BHA as described below:
 - BHA:
 - 1 X-Nipple 3.66" OD, 2.31" ID x profile x 2-7/8" (0.81 ft)
 - 1 joint 2-7/8", 6.5 #/ft L80 tubing (~31 ft)
 - 1 XN-Nipple 3.66" OD, 2.2" ID x profile x 2-7/8" (0.82 ft)
 - 1 pump out sub/Wireline re-entry guide 3.67" OD, 2.8" ID, (0.46 ft)
 - Planned EOT @ ~10,681 ft depending on actual tubing joint lengths
7. Land tubing in tubing head, install back-pressure valve in tubing, remove BOP, and reinstall wellhead.
8. Remove back-pressure valve.

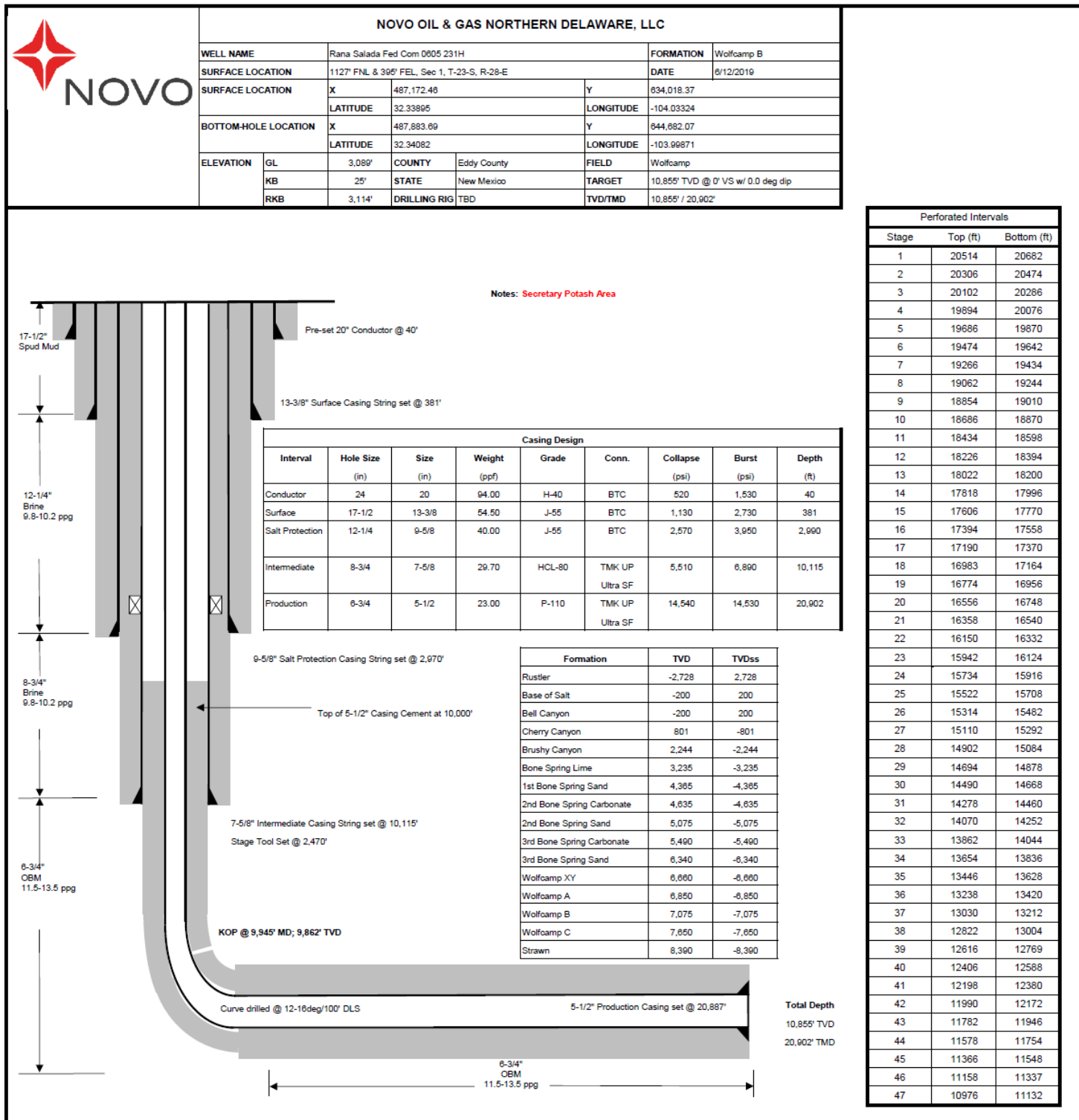
RANA SALADA FED COM 0605 231H CAPITAL WORKOVER

Novo Oil & Gas, LLC

9. Rig up pump truck and pump out plug making tubing live
10. Rig down and move off workover rig and auxiliary equipment.
11. Finalize surface connections.
12. Return well to production.

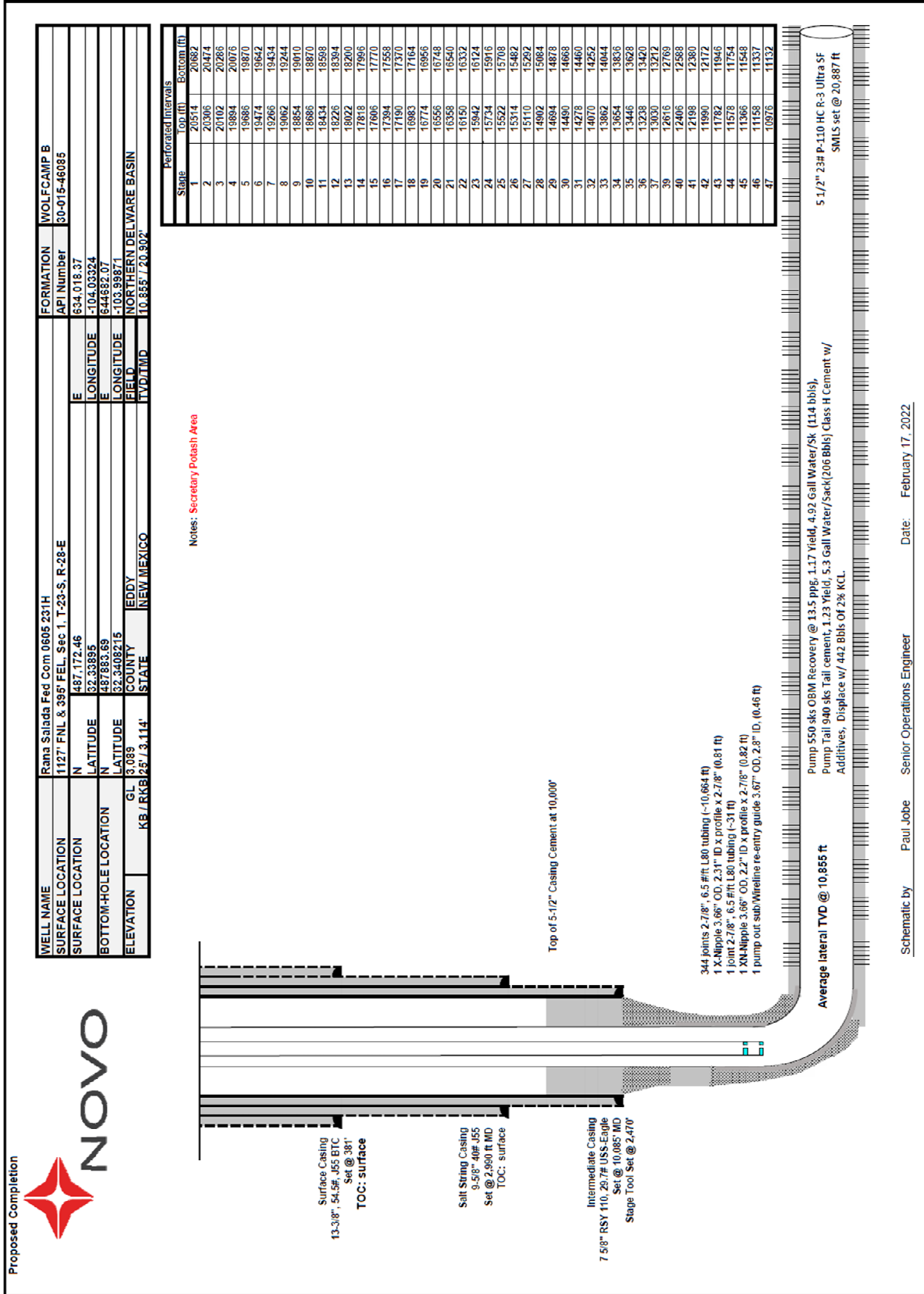
RANA SALADA FED COM 0605 231H CAPITAL WORKOVER

Current Well Schematic:



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Proposed Post-Workover Well Schematic:



Novo Oil & Gas, LLC

Cost Estimate

Rana Salda Fed Com 0605 231H
February 22, 2022

Acct Code	Category	Descripton	Unit Cost	Unit	Total Cost
706	Workover Rig	COMPLETION/WORKOVER RIG	\$10,000	4	\$40,000
712	Tool & Equipment Rental	GAS BUSTER - WO FLOWBACK IRON	\$150.00	4	\$600
712	Tool & Equipment Rental	PORTABLES	\$150	4	\$600
712	Tool & Equipment Rental	TELEHANDLER	\$100	4	\$400
717	Trucking	TRUCKING	\$2,500	4	\$10,000
721	Cased hole wireline	CASED HOLE WL GR/JB COMBO	\$10,000	1	\$10,000
726	Supervision	CONSULTING SERVICES/SUPERVISION	\$1,650	4	\$6,600
727	Contract Labor/Services	PRESSURE PUMPING SERVICES	\$1,000.00	1	\$1,000
727	Contract Labor/Services	WELLHEAD	\$2,100.00	2	\$4,200
751	Vaccum truck	VACUUM TRUCK	\$1,000	4	\$4,000
752	Water	WATER	\$1.50	125	\$188
755	Production Tubing	PRODUCTION TUBING - 2-7/8"	\$8.85	10681	\$94,527
	NOTE: 2-7/8" PRODUCTION TUBING IS FROM SOONER PIPE				
					\$172,114
	Contingencies (Miscellaneous Code 747)			10%	\$17,211
	Workover Total				\$189,326

RANA SALADA FED COM 0605 231H CAPITAL WORKOVER

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 446966

CONDITIONS

Operator: NOVO OIL & GAS NORTHERN DELAWARE, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372920
	Action Number: 446966
	Action Type: [C-103G] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	1/23/2026