Form 3160-5 (June 2019)

# UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

DELL	AKTIVIENT OF THE INTE	KIOK					,
BURE	EAU OF LAND MANAGE	MENT		5. Le	ase Serial No.	NMNM0542015	
Do not use this fo	OTICES AND REPORTS orm for proposals to dr Jse Form 3160-3 (APD)	ill or to re-	enter an		Indian, Allottee	or Tribe Name	
SUBMIT IN T	FRIPLICATE - Other instructions	s on page 2		7. If	Unit of CA/Agre	eement, Name and	d/or No.
1. Type of Well				0. W	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Oil Well Gas W	<del></del>			8. We	ell Name and No	OVATION FE	O COM 1318/223H
2. Name of Operator NOVO OIL AND	GAS NORTHERN DELAWARI	E LLC		9. AF	Y Well No. 300	1549079	
3a. Address 228 ST. CHARLES AVE			de area code	´		Exploratory Area	
4. Location of Well (Footage, Sec., T.,R.		) 523-1831			ountry or Parish	VOLFCAMP (GA	48)
SEC 13/T23S/R28E/NMP	,w., or survey Description)				DY/NM	, suite	
12. CHEC	CK THE APPROPRIATE BOX(ES	S) TO INDICA	ΓE NATURE	OF NOTICE, R	EPORT OR OT	HER DATA	
TYPE OF SUBMISSION			TYI	PE OF ACTION			
Notice of Intent	Acidize	Deepen		Production	(Start/Resume)	Water Sh	nut-Off
Notice of Intent	Alter Casing	Hydraulic	Fracturing	Reclamation	on	Well Inte	egrity
Subsequent Report	Casing Repair	New Cons		Recomplet		<b>✓</b> Other	
	Change Plans	Plug and A	bandon		y Abandon		
Final Abandonment Notice  13. Describe Proposed or Completed On	Convert to Injection	Plug Back		Water Disp			
completed. Final Abandonment Not is ready for final inspection.)  RE-SUBMITTING WITH CORF  8/3/2023: Workover to repair he	RECTIONS ole in tubing and replace neces	ssary tubing a			completed and	the operator has c	letennined that the site
LINDA GOOD / Ph: (405) 590-4809			Contracto	r			
. ,		Title	;				
Signature		Date	;		08/24/2	2023	
	THE SPACE FOI	R FEDERA	L OR ST	ATE OFICE	USE		
Approved by							
JONATHON W SHEPARD / Ph: (5	75) 234-5972 / Accepted		Title Petro	oleum Engineer		Date	08/25/2023
Conditions of approval, if any, are attach certify that the applicant holds legal or each which would entitle the applicant to conditions.	quitable title to those rights in the		Office CA	RLSBAD			
Title 18 U.S.C Section 1001 and Title 43	U.S.C Section 1212, make it a cri	ime for any per	son knowing	ly and willfully t	o make to any d	epartment or ager	ncy of the United States

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 State 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

(Form 3160-5, page 2)

## **Additional Information**

### **Location of Well**

0. SHL: SWSW / 460 FSL / 225 FWL / TWSP: 23S / RANGE: 28E / SECTION: 13 / LAT: 32.2995331 / LONG: -104.048924 ( TVD: 0 feet, MD: 0 feet ) PPP: NWSW / 1811 FSL / 180 FWL / TWSP: 23S / RANGE: 28E / SECTION: 13 / LAT: 32.3032322 / LONG: -104.0490696 ( TVD: 9665 feet, MD: 10050 feet ) BHL: NESE / 1810 FSL / 130 FEL / TWSP: 23S / RANGE: 29E / SECTION: 18 / LAT: 32.3028261 / LONG: -104.0158591 ( TVD: 9936 feet, MD: 20314 feet )

# Sundry Print Repor

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

Well Name: OVATION FED COM 1318 Well Location: T23S / R28E / SEC 13 / County or Parish/State: EDDY /

SWSW / 32.2995331 / -104.048924

Type of Well: CONVENTIONAL GAS Allottee or Tribe Name: Well Number: 223H

**Unit or CA Name: Unit or CA Number:** Lease Number: NMNM0542015

Operator: NOVO OIL AND GAS Well Status: Drilling Well **US Well Number: 300154907900X1** 

NORTHERN DELAWARE LLC

# **Subsequent Report**

**Sundry ID: 2747839** 

Type of Submission: Subsequent Report Type of Action: Workover Operations

Date Sundry Submitted: 08/24/2023 **Time Sundry Submitted: 12:27** 

**Date Operation Actually Began:** 08/03/2023

Actual Procedure: RE-SUBMITTING WITH CORRECTIONS 8/3/2023: Workover to repair hole in tubing and replace necessary tubing and gas lift system.

### **SR Attachments**

### **Actual Procedure**

Ovation\_Fed\_Com\_1318\_223H\_tbg\_workover\_procedure\_revised\_and\_WBD\_attachments\_20230824122008. pdf

eived by OCD: 8/28/2023 4:48:16 PM Well Name: OVATION FED COM 1318 Well Location: T23S / R28E / SEC 13 /

SWSW / 32.2995331 / -104.048924

County or Parish/State: EDDY 5 of

NM

Zip:

Type of Well: CONVENTIONAL GAS Well Number: 223H

**Allottee or Tribe Name:** 

Lease Number: NMNM0542015

**Unit or CA Name:** 

**Unit or CA Number:** 

**US Well Number: 300154907900X1** 

Well Status: Drilling Well

Operator: NOVO OIL AND GAS NORTHERN DELAWARE LLC

# **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: LINDA GOOD** Signed on: AUG 24, 2023 12:27 PM

Name: NOVO OIL AND GAS NORTHERN DELAWARE LLC

Title: Contractor

Street Address: 1001 WEST WILSHIRE BLVE SUITE 206

State:

City: OKLAHOMA CITY State: OK

Phone: (405) 590-4809

Email address: JCARTER@NOVOOG.COM

## **Field**

**Representative Name:** 

**Street Address:** 

City:

Phone:

**Email address:** 

## **BLM Point of Contact**

**BLM POC Name: JONATHON W SHEPARD BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752345972 BLM POC Email Address: jshepard@blm.gov

**Disposition:** Accepted **Disposition Date:** 08/25/2023

Signature: Jonathon Shepard

Page 2 of 2



## CAPITAL WORKOVER PROCEDURE

Well	<b>Property Number</b>	AFE Number
OVATION FED COM 1318 223H	30015-10080	4500068

Responsibility Paul Jobe – Senior Operations Engineer
Brad Walls – Production Superintendent
Aaron Cattley – Senior Operations Engineer
Aaron Roberge – Completion Superintendent
Rocky Garlow – Completion Superintendent

Procedure Date: July 27, 2023

OVATION FED COM 1318 223H API #: 30-015-49079

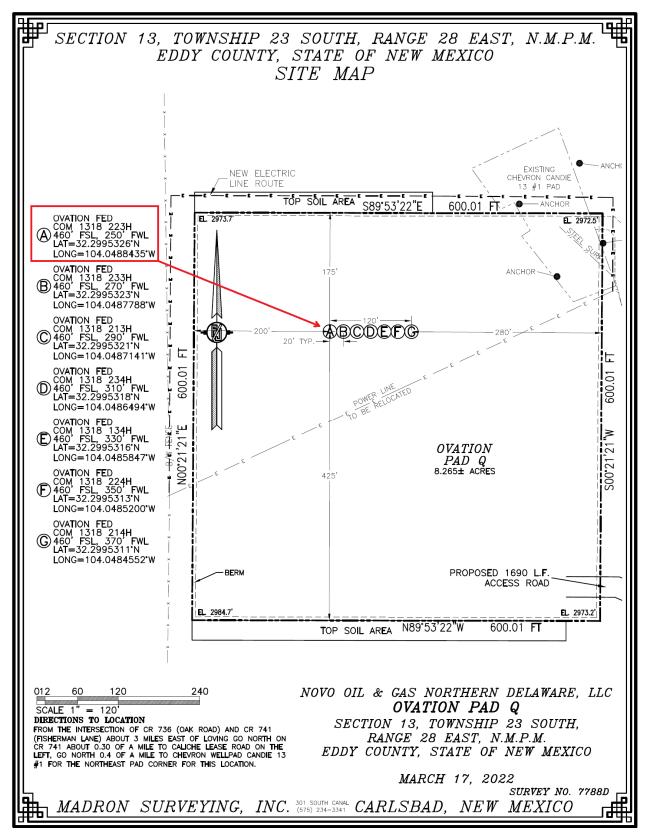
**WOLFCAMP A INTERVAL** 

GPS Coordinates: 32.29953289, -104.0488435

# Eddy County, NM

Directions: From Carlsbad, Travel South on Highway 285 for 7.7 miles. Turn left on New Mexico State Road 31(Potash Mines Rd) and travel 3.2 miles Turn right on to County Road 387 and go 1.5 miles. Turn left onto G.R. Howard Rd. and travel 1.2 miles. Turn left on to County Road 741 (Fisherman Lane) and travel 0.30 miles. Turn left on to lease road and travel 0.20 miles to location.

## Wellsite Layout – Ovation Fed Com 1318 Pad Q



# OVATION FED COM 1318 223H Workover Background and Scope

## **Executive Summary:**

Production from the Ovation Fed Com 1318 223H began January 10, 2023, and the well flowed up tubing until March 14, 2023, when gas-lift injection was initialized. Since that time production from the well has been assisted by the gas-lift system via annular gas injection. Since July 13, 2023, the pressure differential between tubing and casing has rapidly diminished to the point where they have equalized. Since then, we have been circulating injection gas without any contribution from the reservoir. We evaluated the fluid level and found it to be 2,000 ft from surface. A test of the tubing and casing pressures indicates either a hole in the tubing or a cut gas-lift valve. Either of those preclude any measurable production contribution from the reservoir.

## Scope of Workover:

This workover is being proposed to remove and inspect the existing tubing, gas-lift system, packer and BHA, replace all joints and components that are damaged beyond reuse, then rerun tubing and gas-lift back into the well and return the well to production utilizing annular gas injection.

• Due to the deviated trajectory of this well, there is potential that we will not be able to deliver enough torque to unset the packer. This has been the case with other workovers on this pad. If this scenario is encountered the scope of the workover will include running free-point calculations, cutting tubing, then running the hole with fishing tools and work-string to retrieve tubing and packer. Historically we have been free all the way to the packer, just unable to deliver enough torque through the production tubing to unset the packer.

This workover is projected to last 4 days if all operations occur as a normal workover. The first 3 days to MIRU WOR and remove/fish tubing, gas-lift system, packer and BHA. The last day to rerun the tubing, gas-lift system, packer and BHA.

OVATION FED COM 1318 223H WORKOVER

# OVATION FED COM 1318 223H Workover Procedure

Casing: 5 1/2" 20# P-110 set at 20,389 ft

Liner: None

Tubing: 2-7/8", 6.5 #/ft L80 tubing and gas-lift system. EOT @ 9,963.71 ft

Elevation: 2,975 ft GL 3,000.7 KB

Average Lateral TVD: 9,965 ft

### Pre-Job safety meeting

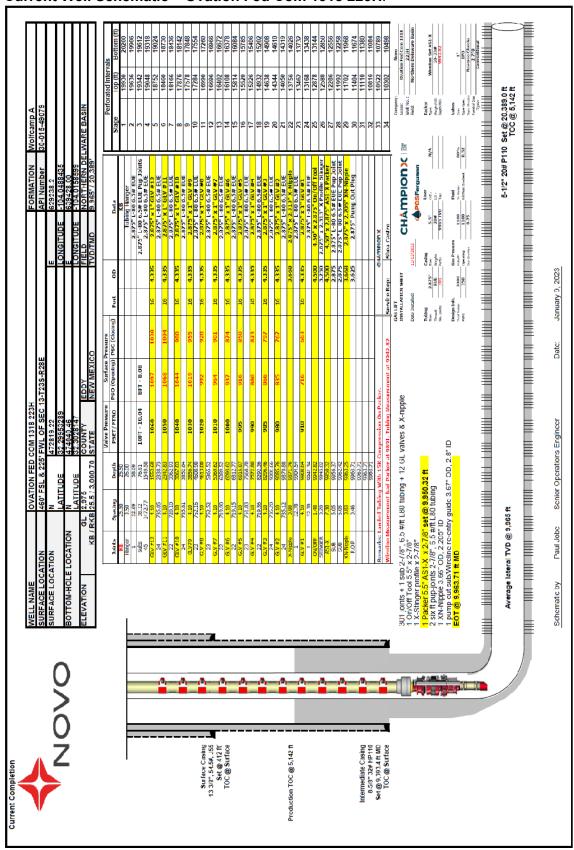
Before any work is performed there will be a tailgate safety meeting held to discuss the job details, hazards and inspection of equipment. Make sure all safety equipment in proper place: chock blocks, grounding cables, and fire extinguishers.

- 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
- 1. MIRU WOR.
- 2. MIRU auxiliary equipment.
- 3. Kill well with weighted brine.
- 4. Install back-pressure valve, remove tree, install and test BOPs.
- 5. Remove back-pressure valve.
- 6. Unset packer at **9,950** ft and pull out of the hole with the existing tubing and gas-lift system, packer and BHA. NOTE: Inspect tubing as it comes out of the hole to locate the hole in the tubing and to determine how many joints need to be replaced when re-running tubing and gas-lift system. If the tubing is in bad shape as it comes out of the well, lay down and contact Audra Manning with JD Rush to have a new tubing string delivered to location. Also contact Champion-X to provide gas-lift system replacement.
- 7. NOTE: If packer will not unset and we cannot J off the packer, we will move into tubing recovery mode, running free-point calculations, cutting tubing below deepest gas-lift mandrel and pulling out of the hole with tubing and gas-lift system, then going back in with overshot and jars to get the packer and remaining tubing. IF THIS CONTINGENCY BECOMES NECESSARY, WE WILL HAVE A CALL TO DISCUSS PRIOR TO CUTTING TUBING.
- 8. RIH with gauge-ring/junk-basket combo to 9,800 ft ensure casing is clear, then POOH with same.

OVATION FED COM 1318 223H WORKOVER

- 9. Run in hole on wireline with packer and BHA as below and set packer at 9,760 ft.
  - 1 AS1X packer 2-7/8" x 5-1/2" 20 #/ft
  - Stringer nipple in top of packer with 2.31" ID profile
  - 2 pup-joints 2-7/8", 6.5 #/ft L80 tubing
  - 1 XN-Nipple 3.66" OD, 2.2" ID x profile x 2-7/8"
  - 1 pump out sub/Wireline re-entry guide 3.67" OD, 2.8" ID
- 10. Pick up and run-in hole with 2-7/8, 6.5#/ft L80 production tubing and gas-lift system as described in attached Gas Lift Design. <u>Actual tubing depths will be as per on location calculations for depths based on actual tubing lengths.</u>
- 11. Sting into packer at 9,760 ft.
- 12. EOT @ ~9,781 ft.
- 13. Space out and land tubing in tubing head, install back-pressure valve in tubing, remove BOP, and reinstall wellhead.
- 14. Remove back-pressure valve.
- 15. Rig up pump truck and pump through tubing and BHA to ensure all is clear.
- 16. Rig down and move off workover rig and auxiliary equipment.
- 17. Finalize surface connections.
- 18. Return well to production and gas-lift injection.

### Current Well Schematic - Ovation Fed Com 1318 223H:



# Gas Lift Installation Calculation Sheet – depths dependent on actual tubing lengths

OVATION FED COM 1318 223H - UPDATED DESIGN - PACKER AT 9,760 FT							
Item	Description	Length each (ft)	Length (ft)	MD (ft)			
3	sub 2-7/8", 6.5 #/ft EUE L80 tubing	5	15	15			
0	GLV-14 top	4.1	0	15			
0	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	0	15			
0	GLV-13 top	4.1	0	15			
46	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	1502.82	1517.82			
1	GLV-12 top	4.1	4.1	1517.82			
22	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	718.74	2240.66			
1	GLV-11 top	4.1	4.1	2240.66			
23	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	751.41	2996			
1	GLV-10 top	4.1	4.1	2996			
24	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	784.08	3784			
1	GLV-9 top	4.1	4.1	3784			
23	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	751.41	4540			
1	GLV-8 top	4.1	4.1	4540			
23	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	751.41	5295			
1	GLV-7 top	4.1	4.1	5295			
23	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	751.41	6051			
1	GLV-6 top	4.1	4.1	6051			
22	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	718.74	6774			
1	GLV-5 top	4.1	4.1	6774			
22	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	718.74	7497			
1	GLV-4 top	4.1	4.1	7497			
23	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	751.41	8252			
1	GLV-3 top	4.1	4.1	8252			
22	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	718.74	8975			
1	GLV-2 top	4.1	4.1	8975			
23	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	751.41	9730			
1	GLV (OV)-1 top	4.1	4.1	9730			
1	joints 2-7/8", 6.5 #/ft EUE L80 tubing	32.67	32.67	9767			
1	On/Off Tool 5.5" x 2 7/8"	2	2	9769			
1	Packer 5.5" AS1-X x 2-7/8" w/ 2.31" ID profile - t	6	6	9769			
2	pup-joints 2-7/8", 6.5 #/ft EUE L80 tubing	6	12	9787			
1	XN-Nipple 3.66" OD, 2.2" ID x profile x 2-7/8"	0.82	0.82	9787			
1	Pump-out Plug/Wireline re-entry guide	0.42	0.42	9788			

## **Cost Estimate**

## Ovation Fed Com 1318 223H

July 27, 2023

Acct Code	Category	Descripton	<b>Unit Cost</b>	Unit	<b>Total Cost</b>
706	Workover Rig	COMPLETION/WORKOVER RIG	\$20,000	4	\$80,000
708	Tool & Equipment Rental	SLICKLINE	\$8,000.00	3	\$24,000
712	Tool & Equipment Rental	GAS BUSTER - WO FLOWBACK IRON	\$300.00	4	\$1,200
712	Tool & Equipment Rental	PORTABLES	\$500	4	\$2,000
712	Tool & Equipment Rental	TELEHANDLER	\$300	4	\$1,200
712	Tool & Equipment Rental	CRANE	\$4,500	4	\$18,000
712	Tool & Equipment Rental	FLOWBACK IRON/CREW	\$4,500	4	\$18,000
713	Fuel & Power	FUEL FOR ON LOCATION EQUIPMENT	\$3.0390	4000	\$12,156
717	Trucking	FUEL TRUCKING (PER HOUR)	\$150	8	\$1,200
717	Trucking	TRUCKING	\$2,500	4	\$10,000
721	Cased hole wireline	CASED HOLE WL GR/JB COMBO	\$15,000	1	\$15,000
722	Downhole Tools & Service	5-1/2" PACKER	\$20,000	1	\$20,000
722	Downhole Tools & Service	GAS LIFT SYSTEM	\$25,000	1	\$25,000
722	Downhole Tools & Service	FISHING TOOLS	\$12,000	3	\$36,000
722	Downhole Tools & Service	TUBING CUTTERS	\$12,000	3	\$36,000
726	Supervision	CONSULTING SERVICES/SUPERVISION	\$1,800	8	\$14,400
727	Contract Labor/Services	PACKER HAND	\$1,550	2	\$3,100
727	Contract Labor/Services	GAS LIFT SYSTEM HAND	\$1,550	2	\$3,100
727	Contract Labor/Services	TORQUE AND TEST	\$2,500	2	\$5,000
727	Contract Labor/Services	PRESSURE PUMPING SERVICES	\$8,500.00	4	\$34,000
727	Contract Labor/Services	WELLHEAD	\$3,600.00	2	\$7,200
727	Contract Labor/Services	MILEAGE	\$2.50	1200	\$3,000
727	Contract Labor/Services	PRODUCTION TUBING INSPECTION	\$10,000.00	1	\$10,000
751	Vaccum truck	VACUUM TRUCK	\$2,100	4	\$8,400
752	Water	10 PPG BRINE FOR KILLING WELL	\$12.00	400	\$4,800
752	Water	WATER FOR TREATING, ETC.	\$1.50	1000	\$1,500
755	Production Tubing	PRODUCTION TUBING - 2-7/8"	\$9.00	9760	\$87,840
	NOTE: 2-7/8" PRODUCTION 1	TUBING IS FROM JD RUSH			
					\$482,096
747	Contingencies (Miscellaneous)			10%	\$48,210
	Workover Total				\$530,306

Surface Casing 13-3/8", 54.5#, J55 Set @ 412 ft' TOC @ Surface

Production TOC @ 5,142 ft

Intermediate Casing 8-5/8" 32# HP110 Set @ 9,393.4 ft MD TOC @ Surface

WELL NAME	OVATIO	DVATION FED COM 1318 223H			FORMATION	Wolfcamp A
SURFACE LOCATION	460' FSI	L & 225' FWL OF SEC 13-T23S-R28E			API Number	30-015-49079
SURFACE LOCATION	N	472819.22	472819.22 E 6		629238.2	
	LATITU	DE 32.29953289	32.29953289 LONGITUDE -1		-104.0488435	
BOTTOM-HOLE LOCATION	N N	474040.46		E	639428.00	
	LATITU	DE 32.3028147		LONGITUDE	-104.0158599	
ELEVATION	GL 2,975	COUNTY	EDDY	FIELD	NORTHERN DE	LWARE BASIN
KI KI	2 / DKB 25 5 / 2	OOO 70 ISTATE	NEW MEXICO	TVD/TMD	0.065' / 20.390'	

GAS LIFT Novo Company INSTALLATION SHEET Lease: Ovation Fed Com 1318 CHAMPION X ISS Well No. 223H Date Installed: 8/4/2023 Field: Northern Delaware Basin **PCSF**ergusøn Tubing Casing Packer 5.5 20# N/A N/A Weight/OD: Depth MD: 4.5 9814 Thread: 8 Rnd Weight: I.D.: Top: 9965 TVD Design Info. Gas Pressure Fluid Valves 1" 16 Port Fluid Rates: Kickoff: % Water: 0.52 Operating: 1100 Kill Fluid Gradient Type Oper TPO Gas Gravity 0.75 Type Checks Reverse Checks Mandrel Size 27/8

			Valve Pressure	Surface	Pressure			
Joints	Spacing	Depth	PSET/PTRO	PSO (Opening)	PSC (Closing)	Port	OD	Data
KB	25.50	25.50						
		25.50						
Hanger	0.50	26.00						Hanger
1	32.70	58.70						2 7/8 Jts.
Pup Jts.	20.30	79.00						10', 8', 2', Pup Jts.
46	1504.56	1583.56						2 7/8 Jts.
GLV12	4.10	1587.66	1075	1103	1037	16	4.335	GLV12
22	719.04	2306.70						2 7/8 Jts.
GLV11	4.10	2310.80	1060	1073	1008	16	4.335	GLV11
23	752.72	3063.52						2 7/8 Jts.
GLV10	4.10	3067.62	1050	1048	982	16	4.335	GLV10
23	752.07	3819.69						2 7/8 Jts.
GLV9	4.10	3823.79	1040	1021	956	16	4.335	GLV9
24	785.35	4609.14						2 7/8 Jts.
GLV8	4.10	4613.24	1030	996	931	16	4.335	GLV8
23	752.57	5365.81						2 7/8 Jts.
GLV7	4.10	5369.91	1025	971	906	16	4.335	GLV7
22	720.29	6090.20						2 7/8 Jts.
GLV6	4.10	6094.30	1020	950	885	16	4,335	GLV6
23	752.63	6846.93						2 7/8 Jts.
GLV5	4.10	6851.03	1015	924	859	16	4,335	GLV5
22	720.30	7571.33						2 7/8 Jts.
GLV4	4.10	7575.43	1010	898	832	16	4,335	GLV4
22	719.83	8295.26						2 7/8 Jts.
GLV3	4.10	8299.36	1005	872	807	16	4,335	GLV3
22	719.22	9018.58						2 7/8 Jts.
GLV2	4.10	9022.68	1000	846	779	16	4,335	GLV2
22	719.78	9742.46						2 7/8 Jts.
X Nipple	0.87	9743.33						2.31 X Nipple
1	32.70	9776.03						2 7/8 Jts.
GLV1	4.10	9780.13	930	729	677	16	4,335	GLV1
1	32.70	9812.83						2 7/8 Jts.
On/Off Tool	1.45	9814.28					4,500	On/Off Tool
Profile	0.30	9814.58						2.31X Profile Stinger
Packer	7.30	9821.88					4,500	5,5 AS1-X Packer
Pup Jt.	6.10	9827.98						Pup Jts.
Pup Jt.	6.10	9834.08						Pup Jts.
XN Nipple	1.10	9835.18						2.31 XN Nipple
POP	0.45	9835.63						2 7/8 POP
	2.10	9835.63						2.70.0
		9835.63						<u> </u>
emarke: 1	15 Points Cor		50 Pick Up 46 Ne	utral 40 Down	25 Set	i	C	HAMPIONX
or: Mike Ja		npression	JOTTICK OF TO NO	acidi 40 DOWII	20 300	Service I		Marcelo Acosta
							Piarcelo Acosta	
nanks for	tne work!					Phone N	umber	

	rated interv	ais
Stage	Top (ft)	Bottom (ft)
1	19930	20200
2	19636	19906
3	19342	19612
4	19048	19318
5	18752	19024
6	18460	18730
7	18166	18436
8	17876	18142
9	17578	17848
10	17284	17554
11	16990	17260
12	16696	16966
13	16402	16672
14	16108	16378
15	15814	16084
16	15520	15785
17	15226	15496
18	14932	15202
19	14638	14908
20	14344	14610
21	14050	14319
22	13756	14026
23	13462	13732
24	13168	13438
25	12878	13144
26	12580	12850
27	12286	12556
28	11992	12258
29	11702	11968
30	11404	11674
31	11110	11380
32	10816	11084
33	10522	10789
34	10302	10498

297 joints + 3 subs 2-7/8", 6.5 #/ft L80 tubing + 12 GL valves & X-nipple, 1 On/Off Tool 5.5" x 2-7/8", 1 X-Stinger profile x 2-7/8", 1 Packer 5.5" AS1-X x 2-7/8" set @ 9,814.58 ft (top) (9,821.88 ft bottom),

2 six ft pup-joints 2-7/8", 6.5 #/ft L80 tubing, 1 XN-Nipple 3.66" OD, 2.205" ID, 1 pump out sub/Wireline re-entry guide 3.67" OD, 2.8" ID, **EOT** 

@ 9,835.63 ft MD

Average lateral TVD @ 9,965 ft

5-1/2" 20# P110 Set @ 20,389.0 ft TOC @ 5,142 ft

Schematic by Paul Jobe Senior Operations Engineer Date: August 7, 2023

District I
1625 N. French Dr., Hobbs, NM 88240
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**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 258359

### **CONDITIONS**

Operator:	OGRID:
NOVO OIL & GAS NORTHERN DELAWARE, LLC	372920
1001 West Wilshire Blvd	Action Number:
Oklahoma City, OK 73116	258359
	Action Type:
	[C-103] Sub. Workover (C-103R)

#### CONDITIONS

Created By		Condition Date
dmcclure	None	9/5/2023