Form 3160-5 (June 2015)		UNITED STATES RTMENT OF THE INTERIOR			FORM APPROVED OMB NO. 1004-0137		
BUREAU OF LAND MANAGEMENT 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.						Expires: January 31, 2018 Lease Serial No.	
				NMNM8005 6. If Indian, Allottee or Tribe Name			
SUBMIT IN TRIPLICATE - Other instructions on page 2					7. If Unit or CA/Agreement, Name and/or No. NMNM132981A		
1. Type of Well			8. Well Name and No.				
🛛 Oil Well 🔲 Gas Well 🔲 Other					NAGEEZI UNIT 510H		
2. Name of Operator Contact: ALICE MASCARENAS DJR OPERATING LLC E-Mail: amascarenas@djrllc.com					9. API Well No. 30-045-35862-00-S1		
3a. Address 1 ROAD 3263 AZTEC, NM 87410	o. (include area code) 32-3476		10. Field and Pool or Exploratory Area BASIN MANCOS				
4. Location of Well (Footage, Sec., 7			11. County or Parish, State				
Sec 9 T23N R9W NENE 260F 36.248043 N Lat, 107.786728			SAN JUAN COUNTY, NM				
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICA	TE NATURE O	F NOTICE,	REPORT, OR OTH	IER DATA	
TYPE OF SUBMISSION							
☑ Notice of Intent		Deepen		□ Production (Start/Resume)		□ Water Shut-Off	
_	Alter Casing	□ Hydraulic Fracturing		□ Reclamation		U Well Integrity	
	□ Subsequent Report □ Casing Repair		□ New Construction		Recomplete Other		
Final Abandonment Notice	 Change Plans Convert to Injection 			 Temporarily Abandon Water Disposal 			
Attach the Bond under which the wo following completion of the involved testing has been completed. Final Al determined that the site is ready for f DJR and BLM Engineering sta DJR's us of Coriolis meters at is confirming BLM approval of facility. DJR will install 4 Coriolis meter only and, as such, are not sub commingled into tanks on the regarding the sale of oil via tru 3174. Attached is a schemati	af operations. If the operation re- bandonment Notices must be fi- inal inspection. aff (Joe Killins and John H the Nageezi Unit A09 part the allocation and commen- ers off the separators from oject to the provisions of 4 site for eventual sale via ucking will be consistent v	sults in a multip led only after all doffman) met id which cons ingling of pro n each well to \$3 CFR Subp trucking. As with the requi	le completion or reco requirements, includi on November 19 ists of 4 producin duction applicable o use for allocation art 3174. The oil sociated documer rements of 43 CF	mpletion in a n ing reclamation ,2019 to disc g wells. DJf e to this n purposes will then be ntation	ew interval, a Form 3160 , have been completed a cuss	0-4 must be filed once	
					DISTRI	ET 111	
	Electronic Submission # For DJR OF Committed to AFMSS for p	PERATING LL	, sent to the Farr OE KILLINS on 12	nington 2/05/2019 (20	System JK0028SE)	- Contribution	
Name (Printed/Typed) ALICE MASCARENAS			Title REGULATORY TECHNICIAN				
Signature (Electronic	Submission)		Date 11/22/20	019			
	THIS SPACE FO	OR FEDER	AL OR STATE	OFFICE US	E		
Approved By_JOE KILLINS 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.			TitlePETROLEUM ENGINEER Date 12/05/2 Office Farmington			Date 12/05/201	
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a statements or representations as	a crime for any p s to any matter v	erson knowingly and vithin its jurisdiction.	willfully to mai	ke to any department or	agency of the United	
(Instructions on page 2) ** BLM REV	ISED ** BLM REVISE	D ** BLM R	Acco	REVISED	** BLM REVISED	0** 3P V	

Additional data for EC transaction #493566 that would not fit on the form

32. Additional remarks, continued

The gas stream from each will be measured through an allocation meter then commingled onsite which will them proceed through a sale meter which would subject to 43 CFR 3175.

Since this well site is within the Nageezi Unit (132981A) and is an undivided unit, this proposal has no effect on the allocation of existing proportionate fixed percentage of revenues specified in the unit agreement.

Conditions of Approval for Coriolis Meters

A. General requirements and components

- 1. A Coriolis meter must be proven at the frequency and under the requirements of Onshore Order 4, Section III.D.3
- 2. At the beginning of every month the operator, purchaser, or transporter, as appropriate, must complete a uniquely numbered measurement ticket, in either paper or electronic format, with the following information:
 - a. Lease, unit PA, or CA number;
 - b. Unique meter ID number;
 - c. Opening and closing dates;
 - d. Opening and closing totalizer readings of the indicated volume;
 - e. Meter factor, indicating if it is a composite meter factor;
 - f. Total gross standard volume removed through the Coriolis meter;
 - g. API oil gravity:
 - (i) If the API oil gravity is determined from a composite sample, the observed API oil gravity, the temperature indicated in °F, and the API oil gravity corrected to 60 °F.
 - (ii) For API oil gravity determined by the Coriolis meter, the average density between the opening and closing dates, expressed in API units;
 - h. The average temperature in °F;
 - i. The average flowing pressure in psig;
 - j. S&W content percent;
 - k. Unique number of each seal removed and installed;
 - I. Name of the purchaser's representative; and
 - m. Name of the operator.

- 3. Any accumulators used in the determination of average pressure, average temperature, and average density must be reset to zero whenever a new measurement ticket is opened.
- 4. The Coriolis meter must be installed with the components listed in API 5.6 with the following additional requirements:
 - a. The system must have a pressure-indicating device downstream of the meter, but upstream of meter-proving connections. The pressure-indicating device must be capable of providing pressure data to calculate the CPL correction factor.
 - b. An electronic temperature averaging device must be installed, operated, and maintained as follows:
 - (i) The temperature sensor must be placed in compliance with API 7;
 - (ii) The electronic temperature averaging device must be volume weighted and take a temperature reading following API 21.2, Subsection 9.2.8;
 - (iii) The average temperature for the measurement ticket must be calculated by the volumetric averaging method using API 21.2, Subsection 9.2.13.2a (incorporated by reference, see § 3174.3);
 - (iv) The temperature averaging device must have a reference accuracy of ± 0.5 °F or better, and have a minimum graduation of 0.1 °F;
 - (v) The temperature averaging device must include a display of instantaneous temperature and the average temperature calculated since the measurement ticket was opened; and
 - (vi) The average temperature calculated since the measurement ticket was opened must be used to calculate the CTL correction factor.

Attachment 2-1

- c. If nonzero sediment and water (S&W) content is to be used in determining net oil volume, the sampling system must meet the requirements of Onshore Order 4, Section III.C.7. If no sampling system is used, or the sampling system does not meet the requirements of Onshore Order 4, Section III.C.7, the S&W content must be reported as zero.
- d. Sufficient back pressure must be applied to ensure single phase flow through the meter.
- 5. *Determination of API oil gravity*. The API oil gravity reported for the measurement ticket period must be determined by one of the following methods:
 - a. Determined from a composite sample taken pursuant to Onshore Order 4, Section III.C.5; or
 - b. Calculated from the average density as measured by the Coriolis meter over the measurement ticket period under API 21.2, Subsection 9.2.13.2a. Density must be corrected to base temperature and pressure using API 11.1 or Table 5A.
- 6. Determination of net standard volume. Calculate the net standard volume at the close of each measurement ticket following the guidelines in API 12.2.1 and API 12.2.2.

B. Operating requirements

- 1. *Minimum electronic pulse level.* The Coriolis meter must register the volume of oil passing through the meter as determined by a system that constantly emits electronic pulse signals representing the indicated volume measured. The pulse per unit volume must be set at a minimum of 8,400 pulses per barrel.
- 2. *Meter specifications.*
 - a. The Coriolis meter specifications must identify the make and model of the Coriolis meter to which they apply and must include the following:
 - (i) The reference accuracy for both mass flow rate and density, stated in either percent of reading, percent of full scale, or units of measure;
 - (ii) The effect of changes in temperature and pressure on both mass flow and fluid density readings, and the effect of flow rate on density readings. These specifications must be stated in percent of reading, percent of full scale, or units of measure over a stated amount of change in temperature, pressure, or flow rate (*e.g.*, " ± 0.1 percent of reading per 20 psi");
 - (iii) The stability of the zero reading for volumetric flow rate. The specifications must be stated in percent of reading, percent of full scale, or units of measure;
 - (iv) Design limits for flow rate and pressure; and
 - (v) Pressure drop through the meter as a function of flow rate and fluid viscosity.
 - b. Submission of meter specifications: The operator must submit Coriolis meter specifications to the BLM upon request.
- 3. *Non-resettable totalizer*. The Coriolis meter must have a non-resettable internal totalizer for indicated volume.
- 4. Verification of meter zero value using the manufacturer's specifications. If the indicated flow rate is within the manufacturer's specifications for zero stability, no adjustments are required. If the indicated flow rate is outside the manufacturer's specification for zero stability, the meter's zero reading must be adjusted. After the meter's zero has been adjusted, the meter must be proven as required by Onshore Order 4, Section III.D.3. A copy of the zero value verification procedure must be made available to the Authorized Officer (AO) upon request.

Attachment 2-2

- 5. Required on-site information.
 - a. The Coriolis meter display must be readable without using data collection units, laptop computers, or any special equipment, and must be on-site and accessible to the AO.
 - b. For each Coriolis meter, the following values and corresponding units of measurement must be displayed:
 - (i) The instantaneous density of liquid (pounds/bbl, pounds/gal, or degrees API);
 - (ii) The instantaneous indicated volumetric flow rate through the meter (bbl/day);
 - (iii) The meter factor;
 - (iv) The instantaneous pressure (psi);
 - (v) The instantaneous temperature (°F);
 - (vi) The cumulative gross standard volume through the meter (nonresettable totalizer) (bbl); and
 - (vii) The previous day's gross standard volume through the meter (bbl).
 - c. The following information must be correct, be maintained in a legible condition, and be accessible to the AO at the FMP without the use of data collection equipment, laptop computers, or any special equipment:
 - (i) The make, model, and size of each sensor; and
 - (ii) The make, range, calibrated span, and model of the pressure and temperature transducer used to determine gross standard volume.
 - d. A log must be maintained of all meter factors, zero verifications, and zero adjustments. For zero adjustments, the log must include the zero value before adjustment and the zero value after adjustment. The log must be made available upon request.
- 6. Audit trail requirements. Audit trail requirements must follow API 21.2, Subsection 10. All data must be available and submitted to the BLM upon request.
 - a. *Quantity transaction record (QTR)*. Follow the requirements for a measurement ticket in Paragraph A.2 of these COAs.
 - b. *Configuration log.* The configuration log must comply with the requirements of API 21.2, Subsection 10.2. The configuration log must contain and identify all constant flow parameters used in generating the QTR.
 - c. *Event log.* The event log must comply with the requirements of API 21.2, Subsection 10.6. In addition, the event log must be of sufficient capacity to record all events for 7 years or the life of the meter, whichever is shorter.
 - d. *Alarm log.* The type and duration of any of the following alarm conditions must be recorded:
 - (i) Density deviations from acceptable parameters; and
 - (ii) Instances in which the flow rate exceeded the manufacturer's maximum recommended flow rate or was below the manufacturer's minimum recommended flow rate.
- 7. Data protection. Each Coriolis meter must have installed and maintained in an operable condition a backup power supply or a nonvolatile memory capable of retaining all data in the unit's memory to ensure that the audit trail information required under Paragraph B.6 of these COAs is protected.

