Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
OCD Artesia

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.
NMNM06806

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
891000558X

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
JAMES RANCH UNIT DI 1 157H

2. Name of Operator
BOPCO LP
Contact: TRACIE J CHERRY
E-Mail: tracie_cherry@xtoenergy.com

9. API Well No.
30-015-42607-00-X1

3a. Address
6401 HOLIDAY HILL RD BLDG 5 SUITE 200
MIDLAND, TX 79707

3b. Phone No. (include area code)
Ph: 432-221-7379

10. Field and Pool or Exploratory Area
UNDESIGNATED

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 21 T22S R30E SWNE 1544FNL 1656FEL
32.225007 N Lat, 103.525689 W Lon

11. County or Parish, State
EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Production Facility Changes
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.

BOPCO, LP respectfully submits this sundry notice, in keeping with COAs attached to approval to utilize a temporary custody transfer/sales point at this location. Meter proving reports are attached.

Smith meter S/N: 1449E10013

Note: Reports reference location as JRU DI1A. James Ranch Unit DI1 and James Ranch Unit DI1A are adjoining drill islands.

RECEIVED

GC 5-24-18
Accepted for record - NMOCD

MAY 23 2018

DISTRICT II-ARTESIA O.C.D

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #419182 verified by the BLM Well Information System
For BOPCO LP, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 05/08/2018 (18DW0114SE)

Name *(Printed/Typed)* TRACIE J CHERRY — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 05/07/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED — Title DUNCAN WHITLOCK TECHNICAL LEAD PET — Date 05/18/2018

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 Carlsbad

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Customer: **XTO - xto**
Operator:
Location:
Federal ID:

OILFIELD SERVICES

Meter Data

DHA xto

Factor Tracked	**Composite MF(CMF)**	
Temp Compensated	**No**	
NKF	**8400.0000**	**N/bbl**
Manufacturer	**Smith**	
Size	**3.00**	**in**
Serial No.	**1449E10013**	
Model No.	**e3-s1**	

Prover Data

BPV	**0.476368**	**bbl**
I.D.	**17.001**	**in**
W.T.	**0.924**	**in**
Manufacturer	**FMD**	
Type	**Displacement-Piston**	
Serial No.	**000469**	
Elasticity	**2.8E7**	**1/psi**
Pipe Ga	**1.92E-5**	**1/°F**
External Shaft Gl	**9.6E-6**	**1/°F**
Certified		

Product Data

Name	**Crude**
Batch No.	
Obs. Gravity	**44.4 °API**
Obs. Temp	**90.0 °F**
Obs. Press	**0.0 psi**
API Table	**Table A - Crude Oil (2004)**
Base Density	**41.8 °API** HYC **Y**

Tolerances

Tolerance Type: **Repeatability**
Maximum Deviation: **0.050 %**
Enabled? **Y** *Passed?* **Y** *Min # of Runs:* **5**
Criteria: **5** *out of* **5** *consecutive runs*

Avg X Prev.Meter Factor Deviation:
Enabled? **N** *Passed?* **Y** *Prod Dep?* **N**
Prev X Factor Count Sought: **1**
Prev X Factor Count Used: **0**
Cut Off History? **N** *Cutoff Date:*

Prev Meter Factor Deviation:
Enabled? **N** *Passed?* **Y** *Prod Dep?* **N**

Proving Mode:	**Volumetric**
Density Mode:	**Manual**
Calc. Method:	**Avg. Meter Factor**
Proving Method:	**PIU**
Passes Per Run	**1**

Proving Data

	Previous	*Current*
Task ID		**1523589011**
Date		**04/12/2018**
Time		**16:10**
Product		**Crude**
Flowrate		**359 bbl/hr**
Totalizer		**47414**
Throughput		
Base Density		**41.8 °API**
Switch Bar Temp		**97.5**
Avg Prvr Temp		**86.8**
Avg Prvr Press		**42.3**
Repeatability		**0.045 %**
CMF		**1.0000**
CMF Variance		

Liquid Properties at Metering Conditions for CMF

Normal Op. Pressure **48.0** **psig**
Eq. Vapor Pressure **psig**
CPL **1.0003**

Run	TEMPERATURE Tp	Tm	PRESSURE Pp	Pm	PULSES Ni	Run Accepted ?		IMF	Flowrate bbl/hr
1	86.8	83.6	42.3	48.0	4000.378	1	No	0.99946	359.682
2	86.9	83.6	42.3	48.0	3999.192	2	No	0.99972	359.455
3	86.9	83.6	42.3	48.0	3998.005	3	No	1.00001	359.229
4	86.9	83.6	42.3	48.0	3998.156	4	No	0.99997	359.079
5	86.8	83.6	42.4	48.0	3997.661	5	No	1.00014	358.703
6	86.8	83.6	42.3	48.0	4000.051	6	Yes	0.99954	358.328
7	86.8	83.6	42.4	48.0	3998.249	7	Yes	0.99999	358.254
8	86.8	83.6	42.4	48.0	3999.611	8	Yes	0.99965	359.003
9	86.8	83.6	42.3	48.0	3999.615	9	Yes	0.99965	358.403
10	86.8	83.6	42.3	48.0	3999.842	10	Yes	0.99959	359.079
Average	**86.8**	**83.6**	**42.3**	**48.0**	**3999.4736**			**0.99968**	**358.613**

(1) GSVp: BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]

BPV	*CTSp*	*CPSp*	*CTLp*	*CPLp*	*CCFp*	*GSVp*
0.476368	1.00087	1.00003	0.98620	1.00026	0.98734	0.470337

(2) ISVm: [Ni(avg) ÷ NKF = IVm] * [CTLm * CPLm = CCFm]

Ni(avg)	*NKF*	*IVm*	*CTLm*	*CPLm*	*CCFm*	*ISVm*
3999.4736	8400.0000	0.476128	0.98786	1.00029	0.98815	0.470486

(3) Proving Factors:

>>>>	(1)	GSVp ÷ ISVm =	0.9997	MF
	(2)	MF * CPL =	1.0000	CMF
	(3)	1 ÷ MF =	1.0003	MA
	(4)	NKF ÷ MF =	8402.5	KF
	(5)	KF ÷ CPL =	8400.0	CKF

Repeatability: **0.045 %**
Uncertainty: **0.016 %**

Technician: Sergio Reyes
Witness: CARLOS VALLEJOS

PROVE

Customer: XTO -
Operator: XTO -
Location:
Federal ID:

Meter Data

DI1A xto

Factor Tracked	Composite MF(CMF)	
Temp Compensated	No	
NKF	8400.0000	N/bbl
Manufacturer	Smith	
Size	3.00	in
Serial No.	1449E10013	
Model No.	e3-s1	

Prover Data

BPV	2.87636	bbl
I.D.	7.981	in
W.T.	0.322	in
Manufacturer	Angus	
Type	Displacement-Sphere	
Serial No.	2008254	
Elasticity	3.0E7	1/psi
Pipe Gc	1.86E-5	1/°F

Certified

Product Data

Name	Crude
Batch No.	
Obs. Gravity	41.2 °API
Obs. Temp	76.0 °F
Obs. Press	0.0 psi
API Table	Table A - Crude Oil (2004)
Base Density	39.8 °API HYC Y

Tolerances

Tolerance Type: Repeatability
Maximum Deviation: 0.050 %
Enabled? Y Passed? Y Min # of Runs: 5
Criteria: 5 out of 5 consecutive runs

Avg X Prev Meter Factor Deviation:
Enabled? N Passed? Y Prod Dep? N
Prev X Factor Count Sought: 1
Prev X Factor Count Used: 0
Cut Off History? N Cutoff Date:

Prev Meter Factor Deviation:
Enabled? N Passed? Y Prod Dep? N

Proving Mode:	Volumetric
Density Mode:	Manual
Calc. Method:	Avg. Meter Factor
Proving Method:	PIU
Passes Per Run	1

Proving Data

	Previous	Current
Task ID	1523689011	1523864187
Date	04/12/2018	04/13/2018
Time	16:10	13:03
Product	Crude	Crude
Flowrate	359 bbl/hr	379 bbl/hr
Totalizer	47414	47554
Throughput		140
Base Density	41.8°API	39.8 °API
Avg Prvr Temp	86.8	73.5
Avg Prvr Press	42.3	43.2
Repeatability	0.045 %	0.046 %
CMF	1.0000	1.0025
CMF Variance		0.0025

Liquid Properties at Metering Conditions for CMF

Normal Op. Pressure 42.0 psig
Eq. Vapor Pressure psig
CPL 1.0002

Run	TEMPERATURE Tp	Tm	PRESSURE Pp	Pm	PULSES N	Run Accepted ?	IMF	Flowrate bbl/hr
1	73.5	73.8	43.2	46.0	24119.750	1 Yes	1.00215	378.368
2	73.5	73.8	43.2	46.0	24121.397	2 Yes	1.00208	378.377
3	73.5	73.8	43.2	46.0	24110.315	3 Yes	1.00254	378.933
4	73.5	73.8	43.2	46.0	24113.676	4 Yes	1.00240	379.489
5	73.4	73.8	43.2	46.0	24114.726	5 Yes	1.00241	379.117
Average	**73.5**	**73.8**	**43.2**	**46.0**	**24115.9728**		**1.00232**	**378.857**

(1) GSVp: BPV * [CTSp * CPSp * CTLp * CPLp = CCFp]

BPV	CTSp	CPSp	CTLp	CPLp	CCFp	GSVp
2.87636	1.00025	1.00004	0.99322	1.00024	0.99375	2.85838

(2) ISVm: [N(avg) ÷ NKF = IVm] * [CTLm * CPLm = CCFm]

N(avg)	NKF	IVm	CTLm	CPLm	CCFm	ISVm
24115.9728	8400.0000	2.87095	0.99307	1.00026	0.99333	2.85180

(3) Proving Factors:

>>>>	(1)	GSVp ÷ ISVm =	1.0023	MF
	(2)	MF * CPL =	1.0025	CMF
	(3)	1 ÷ MF =	0.9977	MA
	(4)	NKF ÷ MF =	8380.7	KF
	(5)	KF ÷ CPL =	8379.0	CKF

Repeatability: 0.046 %
Uncertainty: 0.025 %

Technician: Jeremy Molinar
Witness: XTO X

PROVE