

UNITED STATES
DEPARTMENT OF THE INTERIOR
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.*FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 20105. Lease Serial No.
NMNM02952A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. If Unit or CA/Agreement, Name and/or No.
891000558X1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No. *James Ranch*
Multiple--See Attached *unit 195H*2. Name of Operator
BOPCO LP
Contact: TRACIE J CHERRY
E-Mail: tjcherry@basspet.com9. API Well No. *30-015-412*
Multiple--See Attached *22*3a. Address
P O BOX 2760
MIDLAND, TX 797023b. Phone No. (include area code)
Ph: 432-221-737910. Field and Pool, or Exploratory
LOS MEDANOS *015-42324*4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Multiple--See Attached *T 22S R 33E Sec 35*11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK 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	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Subsurface Commingling
	☐ 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall 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 requests approval to commingle production from Los Medanos, Bone Spring and Los Medanos, Wolfcamp, S. pools in the referenced wellbore.

Downhole commingling of the referenced pools has previously been approved by NMOCD and BLM in James Ranch Unit Wells with no objection or reservoir damage.

The James Ranch Unit 195H was horizontally drilled to a measured depth of 18,401' (11,104' TVD). The well was completed in July 2014 and fracture stimulation was conducted by plug and perf method through perforations from 10,228'-18,330'. The majority of the lateral is completed in the Wolfcamp formation. Four clusters of perforations from 10,228'-11,130' (stages 13 and 14) are placed in the Bone Spring formation (Exhibit 1).

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 18 2014

Accepted for record
VD NMOCD
12/19/14

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #281738 verified by the BLM Well Information System

For BOPCO LP, sent to the Carlsbad

Committed to AFMSS for processing by JAMES AMOS on 12/01/2014 (15JA0110SE)

Name (Printed/Typed) TRACIE J CHERRY

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/25/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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.

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

Additional data for EC transaction #281738 that would not fit on the form

32. Additional remarks, continued

Chemical fluid tracers were used in the fracture stimulation to evaluate frac stage contribution and effectiveness. Every frac stage was traced with a water tracer but only 12 of the 14 stages were traced with an oil tracer (there were only 12 oil tracers available when this well was fraced). Sampling of the flow back fluids and lab analyses has been on-going since the well started producing on 7/18/2014.

The proposed allocation formula is based on time weighted average recoveries in parts per billion (ppb) of the oil tracers from each stage using the water tracers to indicate if a stage is producing or not. Where an oil tracer was not used in a stage, an estimate of the recovery is used by taking an average of the stages on either side of the stage not tagged. This is true for stage 11. Stage 13 is assumed to not be producing since no water tracer has been detected to date. Further, the ppb of the water tracer in stage 14 has fallen below detectable levels at this time simply because the majority of the frac fluid load has been recovered. The stage, however, continues to show detectable levels for the oil tracer. Stages 13 and 14 are the stages perforated in the Bone Spring interval. Exhibits 2 and 3 show the allocation method and calculations by using the chemical tracers.

The well was put on artificial lift on 10/2/2014 and there was not a noticeable change in the trend for recoveries from the Bone Spring section.

Per the results of the tracer surveys, BOPCO requests approval of the following allocation:

Los Medanos, Wolfcamp, S ? 94.6%
Los Medanos, Bone Spring ? 5.4%

NMOCD and New Mexico State Land Office have been petitioned for like approval.

DISTRICT I

1025 N. French Dr., NM 88240
Phone: (505) 393-0101 Fax: (505) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone: (505) 740-1283 Fax: (505) 748-0720

DISTRICT III

1000 Rio Brazos, Aztec, NM 87410
Phone: (505) 334-8178 Fax: (505) 331-8170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 470-3400 Fax: (505) 470-3402State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

X AMENDED REPORT
AS Drilled

API Number 30-015-42324	Pool Code 40295	Pool Name Los Medanos, Bone Spring
Property Code	Property Name JAMES RANCH UNIT	Well Number 195H
GRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3310'

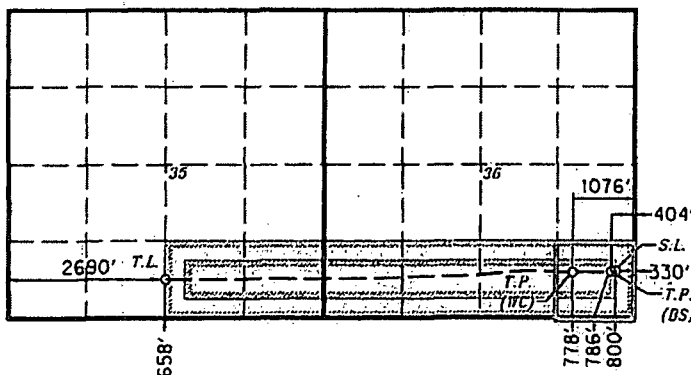
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	22 S	30 E		800'	SOUTH	330'	EAST	EDDY

Bottom Hole if Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	35	22 S	30 E		658'	SOUTH	2690'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

TERMINUS LOCATION	TOP PERFORATION WOLF CAMP (WC)	TOP PERFORATION BONE SPRING (BS)	SURFACE LOCATION
Lat - N 32°20'34.96"	Lat - N 32°20'35.98"	Lat - N 32°20'36.05"	Lat - N 32°20'36.18"
Long - W 103°51'03.91"	Long - W 103°49'42.99"	Long - W 103°49'35.15"	Long - W 103°49'34.29"
NMSPCE- N 488950.2	NMSPCE- N 488985.8	NMSPCE- N 488995.5	NMSPCE- N 489009.4
E 648935.2	E 655877.3	E 656549.4	E 656623.7
Depth - 18378'	Depth - 11428'	Depth - 10288'	(NAD-27)
(NAD-27)	(NAD-27)	(NAD-27)	

SCALE 1"=3000'

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement, or a compulsory pooling order heretofore entered by the division.

Signature: *Tracie J. Cherry* Date: *10/10/14*Printed Name
Tracie J. CherryEmail Address
TJCherry@basspet.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

OCTOBER 8, 2014

Date Surveyed

Signature & seal of
Professional SurveyorTIM C. PAPPAS
Certificate No. 21209

HALFP ASSOC., INC.

29714-V011

DISTRICT I1025 N. French Dr., NM 88210
Phone: (505) 393-0101 Fax: (505) 393-0720**DISTRICT II**811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-0720**DISTRICT III**1000 Rio Brazos, Aztec, NM 87410
Phone: (505) 334-0178 Fax: (505) 331-0170**DISTRICT IV**1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 470-3400 Fax: (505) 470-3402State of New Mexico
Energy, Minerals and Natural Resources Department**OIL CONSERVATION DIVISION**1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office**WELL LOCATION AND ACREAGE DEDICATION PLAT**AMENDED REPORT
As Drilled

API Number 30-015-42324	Pool Code 96336	Pool Name Los Medanos, Wolfcamp, S.
Property Code	Property Name JAMES RANCH UNIT	Well Number 195H
GRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3310'

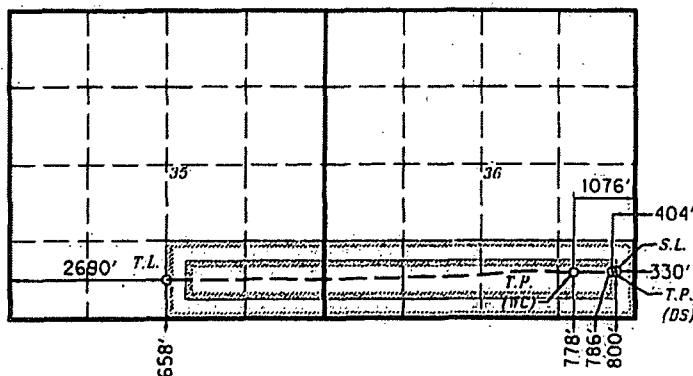
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
P	36	22 S	30 E		800'	SOUTH	330'	EAST	EDDY

Bottom Hole if Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
0	35	22 S	30 E		658'	SOUTH	2690'	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**TERMINUS LOCATION**

Lat - N 32°20'34.96"
 Long - W 103°51'03.91"
 NMSPCE - N 488850.2
 E 648935.2
 Depth - 18378'
 (NAD-27)

TOP PERFORATION**WOLF CAMP (WC)**

Lat - N 32°20'35.98"
 Long - W 103°49'42.89"
 NMSPCE - N 488985.8
 E 655877.3
 Depth - 11428'
 (NAD-27)

TOP PERFORATION**BONE SPRING (BS)**

Lat - N 32°20'36.05"
 Long - W 103°49'35.15"
 NMSPCE - N 488995.5
 E 656549.4
 Depth - 10288'
 (NAD-27)

SURFACE LOCATION

Lat - N 32°20'36.18"
 Long - W 103°49'34.29"
 NMSPCE - N 489009.4
 E 656623.7
 (NAD-27)

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete, to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

Date

Tracie J. Cherry

Printed Name

TJCherry@basspet.com

Email Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

OCTOBER 8, 2014

Date Surveyed

Signature & seal of
Professional Surveyor

TIM C. PAPPAS

Certificate No. 21209

HALFF ASSOC., INC

28714-W011

SCALE 1"=3000'



LABORATORY SERVICES
Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

ASTM DISTILLATION

BOPCO LP
Attention: Jace Fuqua
522 W. Mermod #704
Carlsbad, New Mexico 88220

Sampled By: Willis Mossman
Sample Date: 7/24/14

Sample ID: JRU #195

Percent Distilled

Temperature

IBP	120
5	200
10	231
20	285
30	344
40	435
50	510
60	587
70	675
80	731
90	775
EP	787

% Recovered = 97.0
% Residue = 2.0
% Loss = 1.0

Total Sulfur

API Gravity

Specific Gravity

0.0282 wt. %

43.0

0.8108



PERMIAN LABORATORIES SERVICES
Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: BOPCO LP
Attention: Gary Fletcher
522 W. Mermod # 704
Carlsbad, New Mexico 88220

Sample: Sta. #
Identification: JRU #195
Company: BOPCO LP
Lease:
Plant:

Sample Data: Date Sampled 8/20/2014 11:05 AM
Analysis Date 8/27/2014
Pressure-PSIA 72
Sample Temp F 92
Atmos Temp F 99

Sampled by: S. Galloway
Analysis by: Vicki McDaniel

H2S =

GPM Calculations are Pressure Base = 14.73

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S		
Nitrogen	N2	1.194	
Carbon Dioxide	CO2	0.103	
Methane	C1	71.404	
Ethane	C2	14.542	3.888
Propane	C3	7.884	2.171
I-Butane	IC4	0.972	0.318
N-Butane	NC4	2.337	0.737
I-Pentane	IC5	0.470	0.172
N-Pentane	NC5	0.523	0.190
Hexanes Plus	C6+	0.571	0.248
		100.000	7.723

REAL BTU/CU.FT.

At 14.65 DRY 1355.5
At 14.65 WET 1331.8
At 14.696 DRY 1359.7
At 14.696 WET 1336.6
At 14.73 DRY 1362.8
At 14.73 Wet 1339.3

Specific Gravity

Calculated 0.7891

Molecular Weight 22.8557

JRU 195H Oil Tracer Results – Stage 13 and 11 not traced – (only 12 tracers available at time of frac)
% oil contribution from Bone Spring – $2.1^{(1)}/38.6^{(2)} = 5.4\%$

		Bone Spring												Wolfcamp													
		BOPCO, Inc. James Ranch Unit 195H Oil Tracer Results																									
		Oil-Frac Tracer Concentration, ppb																									
		Traced Segment	14	12	10	9	8	7	6	5	4	3	2	1													
		Stim Date	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14													
		OFT Injected (gr)	250	250	250	250	250	250	250	250	250	250	250	250													
		% Injected	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%													
Key		Cum. Vol%	Sample Date	Sample Type	OFT 5800	OFT 5300	OFT 5200	OFT 5000	OFT 5100	OFT 5500	OFT 5400	OFT 5900	OFT 5700	OFT 5600	OFT 15010	OFT 15000	OFT Total ppb										
2 to 1200		1	not given	7/23/14 19:00	Oil (Produced)	0.0	0.0	3.8	3.8	7.0	7.5	5.0	3.5	1.8	3.6	11.0	104.5	153									
1000 to 1200		2	not given	7/24/14 7:00	Oil (Produced)	0.0	3.5	4.8	3.6	6.0	9.0	6.7	3.8	1.8	3.9	14.3	53.3	111									
800 to 1000		3	not given	7/25/14 7:00	Oil (Produced)	5.6	5.5	4.4	3.3	5.0	7.1	6.0	3.1	1.6	4.3	14.2	40.5	101									
600 to 800		4	not given	7/26/14 7:00	Oil (Produced)	3.7	3.7	2.7	2.2	3.4	3.6	3.7	1.9	1.2	3.3	13.2	28.1	71									
500 to 600		5	not given	7/27/14 7:00	Oil (Produced)	3.5	3.5	2.6	2.2	3.1	3.0	3.4	2.3	1.7	3.1	13.3	23.4	65									
300 to 500		6	not given	7/28/14 7:00	Oil (Produced)	3.1	2.9	2.5	2.1	2.8	2.5	2.9	1.7	1.7	3.0	11.8	17.9	55									
200 to 300		7	not given	7/30/14 7:00	Oil (Produced)	2.5	2.2	1.9	1.8	2.1	1.9	2.2	1.7	1.4	2.9	8.9	14.4	44									
100 to 200		8	not given	8/1/14 7:00	Oil (Produced)	2.9	2.7	2.0	2.2	2.6	2.5	3.0	2.2	1.9	3.1	8.5	15.0	49									
50 to 100		9	6226	8/3/14 7:00	Oil (Produced)	1.5	2.3	2.3	1.5	2.1	2.0	2.4	2.4	1.2	2.3	22.0	26.7	69									
20 to 50		10	7475	8/5/14 7:00	Oil (Produced)	1.4	2.1	2.3	1.5	2.1	2.0	2.3	2.3	1.6	4.2	20.4	25.1	68									
10 to 20		11	9060	8/7/14 7:00	Oil (Produced)	1.3	2.2	2.3	1.6	2.1	2.1	2.3	2.5	1.5	2.0	26.2	25.9	72									
5 to 10		12	11362	8/9/14 7:00	Oil (Produced)	1.2	2.0	2.0	1.2	1.8	2.3	2.0	1.5	1.1	1.7	17.6	22.4	57									
2 to 5		13	13803	8/11/14 7:00	Oil (Produced)	1.5	2.6	2.4	1.5	2.0	2.2	2.2	2.0	1.4	2.4	17.7	19.0	57									
1 to 2		14	16007	8/13/14 7:00	Oil (Produced)	1.2	1.9	1.9	1.2	1.5	1.5	1.7	1.7	1.5	2.9	17.6	16.4	51									
0 to 1		15	not given	8/20/14 7:00	Oil (Produced)	2.9	2.7	2.9	2.0	2.5	2.3	2.4	2.8	2.3	1.9	4.8	8.1	38									
		16	not given	8/27/14 7:00	Oil (Produced)	2.2	2.2	2.1	1.7	2.2	2.0	2.1	2.5	1.9	2.5	4.3	9.4	35									
		17	not given	9/3/14 7:00	Oil (Produced)	2.2	2.3	2.3	1.8	2.2	2.0	2.1	2.4	2.0	4.3	9.4	36										
		18	not given	9/10/14 7:00	Oil (Produced)	2.1	2.3	2.3	1.9	2.3	1.9	2.0	2.6	2.1	1.5	5.2	9.0	35									
		19	not given	9/17/14 7:00	Oil (Produced)	2.0	2.2	2.0	1.7	2.2	1.7	1.8	2.5	1.6	3.1	4.5	10.7	36									
		20	not given	9/24/14 7:00	Oil (Produced)	1.9	2.0	1.8	1.6	2.1	1.7	1.9	2.2	2.1	2.0	2.9	7.9	30									
		21	not given	10/4/14 7:00	Oil (Produced)	2.9	3.6	2.8	1.5	2.1	2.4	2.2	0.9	1.2	2.6	0.9	3.6	27									
		22	not given	10/8/14 7:00	Oil (Produced)	2.2	3.6	2.5	1.5	2.1	1.9	2.0	1.0	1.0	1.6	0.7	2.7	23									
		23	not given	10/12/14 7:00	Oil (Produced)	1.2	1.9	1.5	1.2	1.3	1.2	1.3	0.6	0.9	1.3	0.5	1.5	14									
		24	not given	10/24/14 7:00	Oil (Produced)	1.0	1.6	1.1	0.9	1.1	1.1	3.7	1.7	0.3	0.7	0.6	2.1	16									
			BPD		Time Weighted Avg. ppb	2.1	2.4	2.2	1.6	2.1	2.0	2.4	2.0	1.5	2.2	5.8	10.1	36.3									
					% total ppb from Stage	5.7%	6.7%	6.0%	4.4%	5.7%	5.5%	6.6%	5.5%	4.1%	6.0%	16.1%	27.7%	100.0%									
					% total ppb @ last sample	6.9%	10.2%	7.1%	5.7%	6.9%	6.6%	22.9%	10.6%	2.1%	4.4%	3.6%	13.0%										

Assume Stage 13 to be 0 ppb
Based on no indication of
production from water tracer

Estimate Stage 11 to be 2.3 ppb
(Average if Stages 12 and 10)

- 1) Total ppb - $36.3 + 2.3 = 38.6$
- 2) Total ppb Bone Spring = 2.1

1)

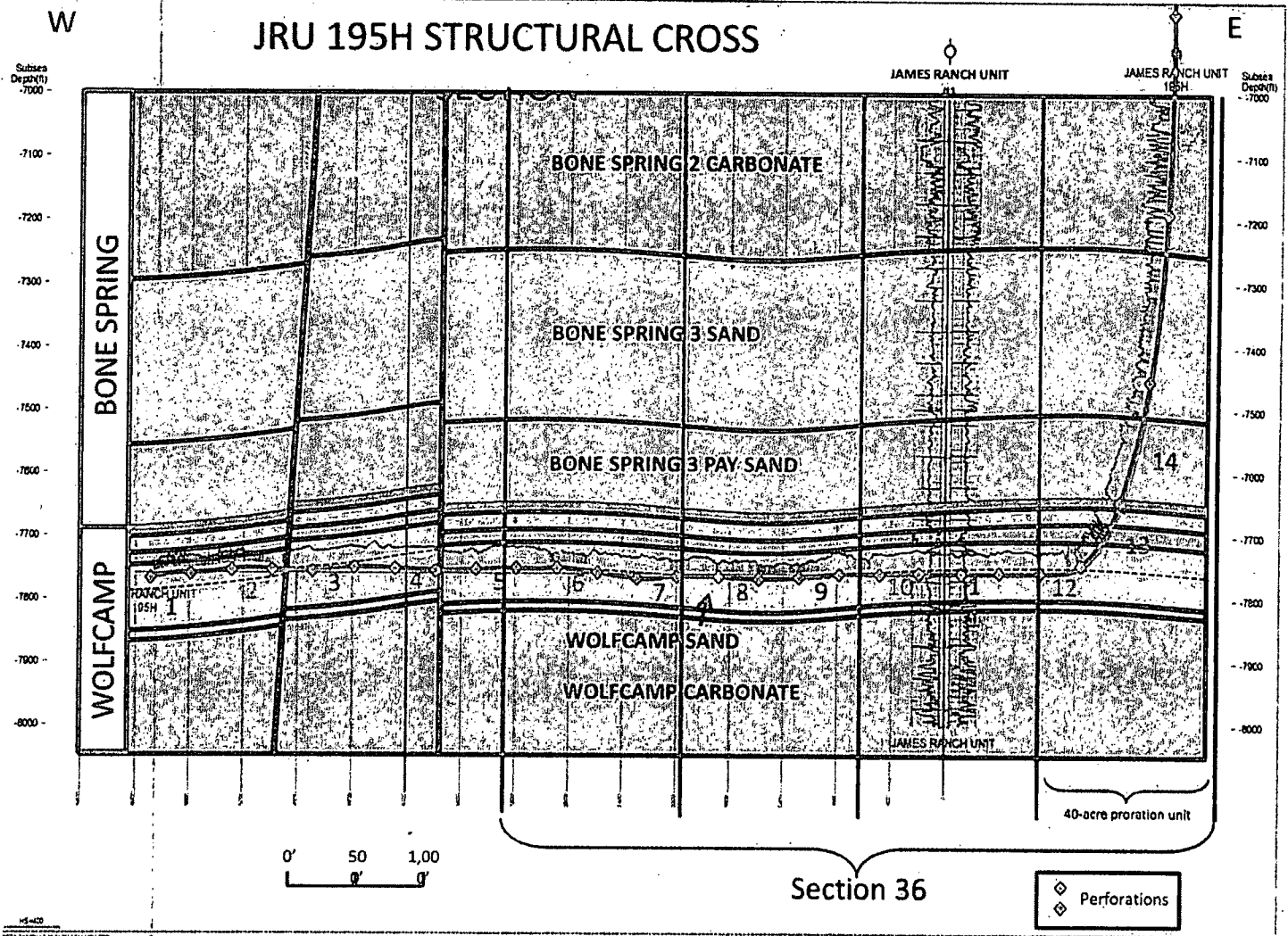


Exhibit 1

JRU 195H Water Tracer Results – All Stages traced

Bone Spring

Wolfcamp

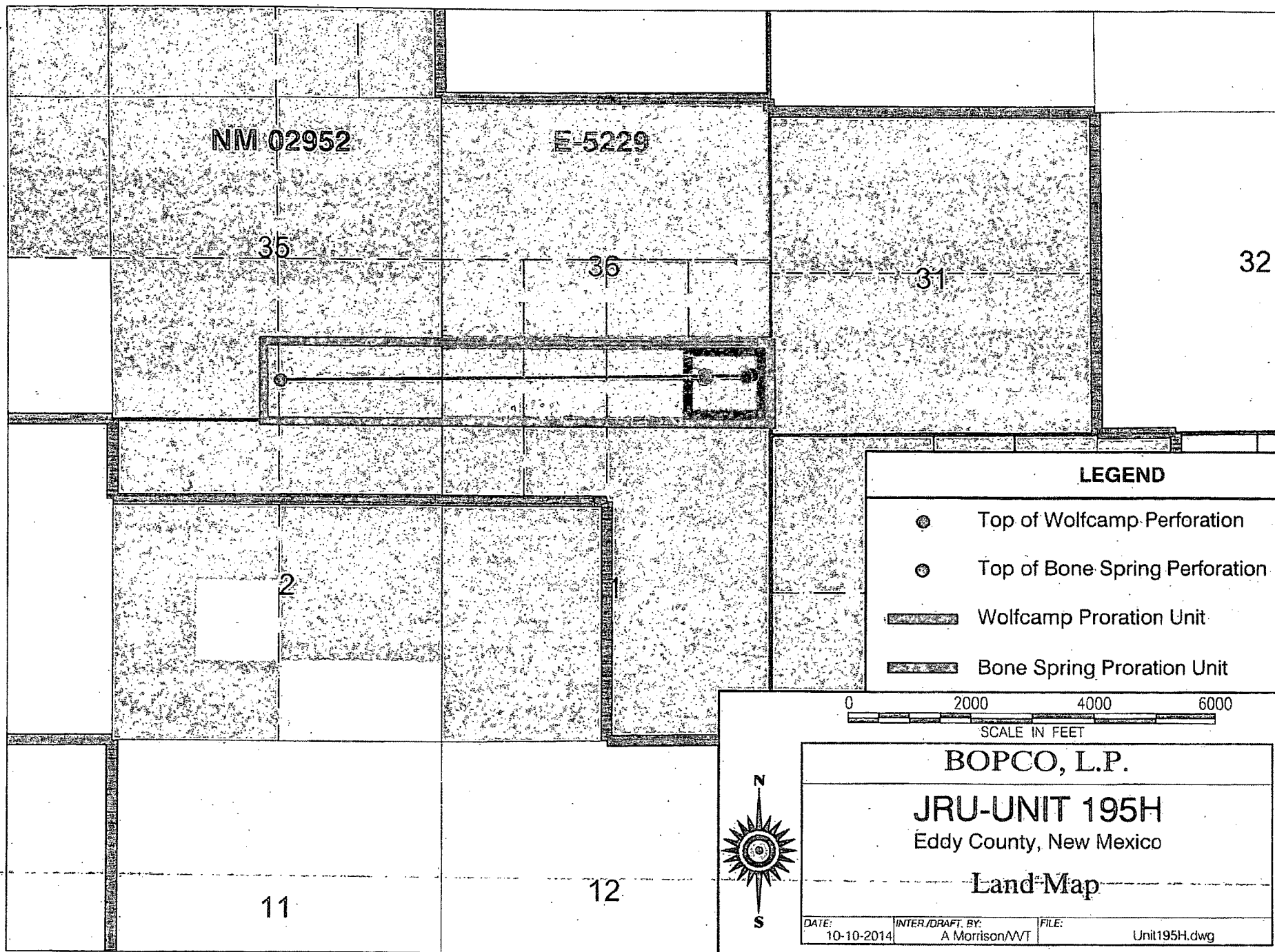
BOPCO, Inc. James Ranch Unit 195H Chemical Tracer Results

Chemical Tracer Concentration, ppb

Key
2700
150 to 200
100 to 150
70 to 100
50 to 70
35 to 50
20 to 35
10 to 20
5 to 10
0 to 5

		Traced Segment	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
		Stim Date	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	7/11/14	Totals
		Traced Fluid Vol (Gal)	198,478	245,028	247,128	284,340	250,656	233,814	235,578	235,746	237,804	236,040	236,040	236,964	255,696	238,350	3,371,662
		CPT Injected (g)	663	710	734	876	758	710	687	710	710	710	710	710	758	710	10,156
		% Injected	6.5%	7.0%	7.2%	8.6%	7.5%	7.0%	6.3%	7.0%	7.0%	7.0%	7.0%	7.0%	7.5%	7.0%	
Cum Vol	Sample Date	Sample Type	CPT 3000	CPT 2500	CPT 2400	CPT 1500	CPT 2100	CPT 1600	CPT 2200	CPT 1900	CPT 2000	CPT 1700	CPT 1300	CPT 1200	CPT 1100	CPT 1000	CPT Total ppb
1	2907	7/18/14 7:00	Water (Produced)	2.0	0.0	5.2	5.1	4.6	7.6	7.2	7.4	7.2	7.2	7.2	36.9	177.7	190.9
2	4852	7/19/14 7:00	Water (Produced)	1.9	0.0	9.8	8.8	6.9	9.8	7.2	6.5	7.2	7.2	7.2	37.8	15.5	225.9
3	6565	7/20/14 7:00	Water (Produced)	1.7	0.0	12.1	8.8	6.8	9.8	7.2	8.5	7.2	7.2	7.2	37.8	9.4	211.8
4	8170	7/21/14 7:00	Water (Produced)	1.4	0.0	1.4	8.8	7.7	7.2	7.2	8.4	7.2	7.2	7.2	9.2	9.2	211.7
5	8913	7/22/14 7:00	Water (Produced)	0.8	0.0	7.7	5.3	5.9	10.7	5.7	10.0	7.2	7.2	7.2	9.2	9.2	202.5
6	11293	7/23/14 7:00	Water (Produced)	0.7	0.0	15.7	11.0	7.6	7.1	7.2	5.5	7.2	7.2	7.2	7.2	4.5	165.1
7	13125	7/24/14 7:00	Water (Produced)	1.2	0.0	15.7	15.3	6.8	10.1	10.7	7.4	7.2	7.2	7.2	7.2	10.0	201.2
8	16116	7/26/14 7:00	Water (Produced)	1.3	0.0	15.7	10.9	6.9	10.5	10.5	7.7	7.2	7.2	7.2	7.2	9.0	187.6
9	18303	7/28/14 7:00	Water (Produced)	1.1	0.0	15.7	10.2	6.5	10.0	10.0	7.4	7.2	7.2	7.2	7.2	8.3	177.7
10	20169	7/30/14 7:00	Water (Produced)	1.1	0.0	15.7	9.5	6.1	10.3	10.3	7.3	7.2	7.2	7.2	7.2	8.2	168.6
11	22107	8/1/14 7:00	Water (Produced)	0.9	0.0	15.7	8.3	5.5	10.3	10.3	6.3	7.2	7.2	7.2	7.2	7.2	151.7
12	23805	8/3/14 7:00	Water (Produced)	0.8	0.0	15.7	7.7	5.6	10.4	10.4	7.4	7.2	7.2	7.2	7.2	5.9	148.4
13	25156	8/5/14 7:00	Water (Produced)	0.9	0.0	15.7	7.4	5.3	10.0	10.0	7.3	7.2	7.2	7.2	7.2	4.8	141.8
14	26935	8/7/14 7:00	Water (Produced)	0.8	0.0	15.7	6.2	5.1	10.0	10.0	6.3	7.2	7.2	7.2	7.2	4.7	127.2
15	29638	8/9/14 7:00	Water (Produced)	0.7	0.0	15.7	5.7	4.5	10.0	10.0	5.5	7.2	7.2	7.2	7.2	4.0	118.8
16	32097	8/11/14 7:00	Water (Produced)	0.5	0.0	15.7	5.5	4.3	10.0	10.0	5.1	7.2	7.2	7.2	7.2	4.0	112.4
17	34111	8/13/14 7:00	Water (Produced)	0.5	0.0	15.7	5.3	3.9	10.0	10.0	4.9	7.2	7.2	7.2	7.2	3.7	104.9
18	39469	8/20/14 7:00	Water (Produced)	0.3	0.0	15.7	3.8	2.3	7.0	4.3	6.3	3.1	6.1	7.5	5.4	6.8	60.9
19	43632	8/27/14 7:00	Water (Produced)	0.3	0.0	15.7	3.4	2.0	6.0	3.7	5.5	2.7	4.7	6.3	4.5	5.5	51.2
20	47202	9/3/14 7:00	Water (Produced)	0.3	0.0	15.7	3.5	2.0	6.2	3.6	5.4	2.7	4.8	6.2	4.5	5.4	51.0
21	50348	9/10/14 7:00	Water (Produced)	0.0	0.0	15.7	2.9	1.6	5.1	3.0	4.6	2.1	3.8	5.3	3.4	4.2	41.4
22	53185	9/17/14 7:00	Water (Produced)	0.0	0.0	15.7	2.8	1.5	4.7	2.9	4.3	2.1	3.6	4.5	3.2	3.9	38.7
23	55799	9/24/14 7:00	Water (Produced)	0.0	0.0	15.7	2.3	1.4	4.1	2.4	3.7	1.7	2.9	3.8	2.5	3.2	32.6
24	59171	10/4/14 7:00	Water (Produced)	0.0	0.0	15.7	2.6	1.8	4.5	2.8	3.8	1.7	3.2	4.5	3.5	3.5	37.9
25	62511	10/8/14 7:00	Water (Produced)	0.0	0.0	15.7	2.5	1.7	4.2	2.6	3.6	1.7	3.1	4.5	3.0	3.5	34.9
26	64755	10/12/14 7:00	Water (Produced)	0.0	0.0	15.7	2.8	1.5	4.3	2.8	4.3	1.8	3.2	4.7	2.8	3.3	36.3
27	69882	10/24/14 7:00	Water (Produced)	0.0	0.0	15.7	2.4	1.5	4.4	2.3	3.7	1.6	2.9	3.7	2.2	2.9	32.4
712			Time Weighted Avg. ppb	0.32	0.00	6.53	4.25	2.78	8.31	4.75	7.44	3.38	7.32	9.63	6.56	8.28	72.44
Avg BPD		% total ppb from Stage	0.4%	0.0%	9.0%	5.9%	3.8%	11.5%	6.6%	10.3%	4.7%	10.1%	13.3%	9.1%	11.4%	4.0%	100.0%
		% total ppb @ last sample	0.0%	0.0%	11.3%	7.3%	4.7%	13.6%	7.1%	11.5%	4.9%	9.0%	11.5%	6.8%	9.0%	3.3%	
		Mass Balance Recov'd (g)	6.6	0.0	93.2	61.5	41.7	123.3	68.4	119.0	50.4	119.5	156.1	107.8	144.2	50.5	1,142.1
		% of Total Recovery	0.6%	0.0%	8.2%	5.4%	3.6%	10.8%	6.0%	10.4%	4.4%	10.5%	13.7%	9.4%	12.6%	4.4%	100.0%

Stage 13 shows 0 ppb water tracer
Assume no oil contribution



BOPCO, L.P. P.O. Box 2760, Midland, TX 79702
 Operator Address
 SHL: SESE Sec 36, T22S-R30E
 BHL: SWSW Sec 35, T22S-R30E
 James Ranch Unit 195H Eddy, NM
 Lease Well No: Unit Letter-Section-Township-Range County
 API No. 30-015-42324 Lease Type: ☒ Federal ☐ State ☒ Fee

DATA ELEMENT	UPPER FORMATION	MIDDLE FORMATION	LOWER FORMATION	ESTIMATED COMBINED PRODUCTION
Pool Name	Los Medanos, Bone Spring		Los Medanos, Wolfcamp.S	
Pool Code	40295		96336	
State Form C-102 with dedicated acres	X		X	
Formation Name	Bone Spring		Wolfcamp	
Top and Bottom of Pay Section (Perforated or Open Hole)	Top: 10,903' MD Bottom: 11,131' MD		Top: 11,131 MD Bottom: 11, 140 MD	
Method of Production	ESP		ESP	
Bottom Hole Pressure	4706		4798	
Reservoir Drive Mechanism	Depletion Drive		Depletion Drive	
Oil Gravity and/ or BTU	Gravity 45.8* BTU 1303*		Gravity 46.2* BTU 1390*	Gravity 43.0 BTU 1362.8
Average Sulfur Content (Wt %)	.0324*		.05*	.0282
Oil Sample Analysis Provided	X		X	
Gas Sample Analysis Provided	X		X	
Produced Water Analysis Provided	X		X	
H2S Present	No*		No*	No
Producing, Shut In or New Zone	New		New	
Oil Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 11/23/2014 Rates: 18 BOPD 45 MCFD 13 BWPD	Date: Rates:	Date: 11/23/2014 Rates: 314 BOPD 781 MCFD 220 BWPD	Combined Rates: 332 BOPD 826 MCFD 233 BWPD
Average Decline %	99.99%/yr (b=1.350)		99.99%/yr (b=1.350)	99.99%/yr
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 5.4 % 5.4 %	Oil Gas % %	Oil Gas 94.6 % 94.6 %	

*Gravity, BTU and sulphur were taken from offset wells. Zones were completed at same time, no individual samples taken. Combined production from actual oil/gas analysis.

Attachments:
 C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 Oil Sample Analysis
 Gas Sample Analysis
 Produced Water Analysis.
 Any additional statements, data or documents required to support commingling.

Signed:

Tracie J Cherry

Title: Sr. Regulatory Analyst

Date:



Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Construction	Surface Facility		5/2/2014	5/7/2014

MD (ft)	Time (hr)	Vertical schematic (actual)	Description	Top (ft)	Comments
22.0	0.1				
22.6	0.2				
24.3					
26.9					
28.2	0.2				
29.9					
33.1	0.2				
142.1					
144.0	0.7				
246.1					
533.1	0.2				
534.8					
569.0	0.2				
576.4					
578.1	0.2				
2,424.5					
3,632.9	2.3				
3,769.4					
3,771.0	4.1				
3,855.0					
3,857.0	5.1				
3,858.9					
3,868.1	5.2				
3,889.1					
5,013.5	0.6				
5,016.1					
8,527.6	1.1				
9,528.5					
9,532.5	1.1				
9,554.5					
9,576.1	0.8				
9,577.4					
9,597.9	0.8				
9,598.1					
9,616.6	0.8				
9,624.3					
9,635.5	0.8				
9,670.3					
9,673.9	0.8				
9,676.1					
9,877.0	1.5				
9,877.6					
9,942.9	1.9				
9,944.6					
9,956.4	2.0				
9,973.1					
9,974.1	2.1				
9,982.6					
10,002.8	2.2				
10,008.9					
10,010.5	2.2				
10,017.1					
10,034.1	2.2				
10,037.1					
10,044.9	2.2				
10,226.0					
10,529.9	15.0				
10,589.0					
10,828.1	37.8				
10,803.9					
11,129.9	61.6				
11,428.1					
11,730.0	89.9				
12,027.9					
12,230.1	90.4				
12,628.0					
12,930.1	90.1				
13,228.0					
13,529.9	88.9				
13,828.1					
14,129.9	90.2				
14,428.2					
14,730.0	90.2				
15,027.9					
15,330.1	89.8				
15,629.0					
15,930.1	88.7				
16,228.0					
16,529.9	90.7				
16,828.1					
17,129.9	89.6				
17,428.1					
17,730.0	88.8				
18,027.9					
18,280.2	87.8				
18,281					
18,281.1	87.8				
18,330.1					
18,371.4	87.8				
18,373.0					
18,410.1	87.8				
111,118.1					



LABORATORY SERVICES
NATURAL GAS ANALYSIS

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: BOPCO LP
Attention: Gary Fletcher
522 W. Mermod # 704
Carlsbad, New Mexico 88220

Sample: Sta. # JRU 19 Battery
Identification: JRU 148-H
Company: BOPCO LP
Lease:
Plant:

Sample Data: Date Sampled 12/5/2013 10:30 AM
Analysis Date 12/10/2013
Pressure-PSIA 104
Sample Temp F 35
Atmos Temp F 26

Sampled by: C. Bloodworth
Analysis by: Vicki McDaniel

H2S =

GPM Calculations are Pressure Base = 14.73

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S		
Nitrogen	N2	1.148	
Carbon Dioxide	CO2	0.161	
Methane	C1	72.365	
Ethane	C2	16.193	4.329
Propane	C3	7.587	2.090
I-Butane	IC4	0.619	0.203
N-Butane	NC4	1.282	0.404
I-Pentane	IC5	0.195	0.071
N-Pentane	NC5	0.217	0.079
Hexanes Plus	C6+	0.233	0.101
		100.000	7.277

REAL BTU/CU.FT.

At 14.65 DRY	1299.8
At 14.65 WET	1277.1
At 14.696 DRY	1303.8
At 14.696 WET	1281.6
At 14.73 DRY	1306.8
At 14.73 Wet	1284.3

Specific Gravity
Calculated

0.7539

Molecular Weight 21.8355

***** RESERVOIRS . INC. *****

2057 COMMERCE DRIVE * MIDLAND, TEXAS 79703
24 HOUR PHONE (915) 699-2468

RUN NUMBER : 47119

DATE SECURED: 10-21-1995

A SAMPLE OF: GAS FROM JAMES RANCH # 17 @ SEPARATOR *WC*
SECURED FROM: BASS ENTERPRISES PRODUCTION CO .
AT: EDDY CO - NM SECURED BY: RESERVOIRS INC .
SAMPLING CONDITIONS: PRESS: 36 # TEMP: 70 F TIME: 4:30 PM DATE: 10-23-95

***** FRACTIONAL ANALYSIS *****
@ 14.696 & 60 DEG. F.

	MOL. %		CALC. SP. GR.	0.8089
CARBON			PROPANE CAL GPM	2.351
DIOXIDE	0.09		BUTANES CAL GPM	1.196
NITROGEN	0.94		PENTANES + GPM	0.615
OXYGEN			ETHANE CALC GPM	4.111
H2S	0.00		TOTAL GPM	
METHANE	69.67	GPM	8.111 / CU. FT.	
ETHANE	15.41	4.111	DRY BASIS	1390
PROPANE	8.56	2.351	WET BASIS	1365
ISO-BUTANE	1.10	0.359		
N-BUTANE	2.66	0.837	26 # PRODUCT	0.902
ISO-PENTANE	0.52	0.190	12 # PRODUCT	0.611
N-PENTANE	0.58	0.210		
HEXANES	0.24	0.104		
HEPTANES +	0.23	0.111		
TOTAL	100.00	8.273		

END

APPROVED BY:

***** ADDITIONAL DATA AND REMARKS *****

Z = 0.995

H2S WAS DETERMINED BY TUTWEILER = 0 PPM

Reservoirs
Inc.



RESERVOIRS, INC.

File JRU#17
VENTIONAL AND SPECIAL CORE ANALYSIS
C & LIQUID ANALYSIS • OIL FINGERPRINTING
GEOLOGICAL ANALYSIS • CLASTICS/CARBONATES
SINGLE WELL/FIELD/REGIONAL STUDIES
WELL COMPLETION/STIMULATION STUDIES
ENVIRONMENTAL SERVICES

2057 COMMERCE DRIVE

MIDLAND, TEXAS 79703

(915) 699-2458

FAX: (915) 699-2464

OIL ANALYSIS REPORT

COMPANY: Bass Enterprises Production.

SAMPLE NO:

WELL NAME: James Ranch Unit (Wolfcamp)

RMG NO: 522

COUNTY: Eddy Co - NM

FORMATION:

RESULTS OF ANALYSIS			
Sample NO.	Sample I.D.	API Gravity/60 Deg. F	Total Sulphur/Weight%
21750	James Ranch #30	43.8	0.07
21751	James Ranch #7	45.4	0.05
21752	James Ranch #17 (10-13-1995)	46.2	0.05
21753	James Ranch #71	47.2	0.04
21763	James Ranch #17 (10-21-1995)	47.6	0.04

Note in strippings that
this was corrected to
46.2°

REMARKS:

COPIES TO: Mr. Steve Neuse

ANALYSIS BY:

START



Martin Water Laboratories, Inc.

Analysts & Consultants since 1953
Bacterial & Chemical Analysis

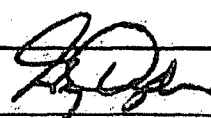
TO: Michael Conley
ADDRESS: 6 Desta Drive, Suite 3700, Midland, TX 79701
COMPANY: BOPCO
LEASE: JRU 148H
FORMATION: 3rd Bone Springs

LABORATORY NO.: 0614-373
SAMPLE RECEIVED: 6/4/14
RESULTS REPORTED: 6/13/14
COUNTY, STATE: Eddy, NM
FIELD OR POOL:

SUBJECT: To make the determinations listed below on submitted oil sample(s).

Determination	No. 1	No. 2	No. 3	No. 4
No. 1 Submitted oil sample - taken 6/2/14 from wellhead.				
No. 2				
No. 3				
No. 4				
Gravity, °API	47.61			
Paraffin, % by weight	0.10			
Asphaltenes, % by weight	<0.01			
Pour Point	-5°F			
Viscosity @ 75°F -- Centistokes	3.02			

REMARKS: The undersigned certifies the above to be true and correct to the best of his knowledge and belief.


By: Greg Ogden, B.S.

(432) 683-4521 * 709 W. Indiana, Midland, Texas 79701 * (fax) 682-8819

Remit to Address: P.O. Box 98, Midland, Texas 79702

Email: martinwaterlabs@nts-online.net

Complete Water Analysis Report SSP v.8

Customer:	BOPCO	Sample Point Name	#148H
District:	New Mexico	Sample ID:	201401001313
Sales Rep:	Willis Mossman	Sample Date:	1/15/2014
Lense:	JAMES RANCH UNIT	Log Out Date:	1/31/2014
Site Type:		Analyst:	SS
Sample Point Description:			

BOPCO, JAMES RANCH UNIT , #148H

Field Data		Analysis of Sample	
Initial Temperature (°F):	250	Anions:	Cations:
Final Temperature (°F):	80	Chloride (Cl⁻):	Sodium (Na⁺):
Initial Pressure (psf):	100	Sulfate (SO₄²⁻):	Potassium (K⁺):
Final Pressure (psf):	300	Borate (H₂BO₃):	Magnesium (Mg²⁺):
		Fluoride (F⁻):	Calcium (Ca²⁺):
		Bromide (Br⁻):	Strontium (Sr²⁺):
		Nitrate (NO₃⁻):	Barium (Ba²⁺):
pH at time of sampling:	6.7	Nitrite (NO₂⁻):	Iron (Fe³⁺):
		Phosphate (PO₄³⁻):	Manganese (Mn²⁺):
		Silica (SiO₂):	Lead (Pb²⁺):
			Zinc (Zn²⁺):
Alkalinity by Titration:			
Bicarbonate [HCO₃]:	146.4	Aluminum (Al³⁺):	ND
Carbonate [CO₃]:	ND	Chromium (Cr³⁺):	ND
Hydroxide [OH]:	ND	Cobalt (Co³⁺):	ND
		Copper (Cu²⁺):	ND
Aqueous CO₂ (ppm):	150.0	Organic Acids:	
Aqueous H₂S (ppm):	0.0	Formate:	Molybdenum (Mo³⁺):
Aqueous O₂ (ppb):	ND	Acetate:	Nickel (Ni²⁺):
		Propionate:	Flu (Sn²⁺):
		Butyrate:	Titanium (Ti³⁺):
		Valerate:	Vanadium (V⁴):
Calculated TDS (mg/L):	150,433		Zirconium (Zr²⁺):
Density/Specific Gravity (g/cm³):	1.0910		
Measured Density/Specific Gravity:	1.1120		
Conductivity (micromhos):	ND		
		Total Hardness:	24918 N/A
MC/F/D:	No Data		
BOPD:	No Data		
RWPD:	No Data	Anion/Cation Ratio:	1.20 ND = Not Determined

Conditions		Barite (BaSO ₄)		Calcite [CaCO ₃]		Gypsum [CaSO ₄ ·2H ₂ O]		Anhydrite [CaSO ₄]	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
80°F	300 psi	0.58	1.094	0.91	24.664	-0.47	0.000	-0.64	0.000
99°F	278 psi	0.45	0.959	1.04	26.958	-0.46	0.000	-0.55	0.000
117°F	25.6 psi	0.33	0.796	1.16	28.842	-0.45	0.000	-0.45	0.000
136°F	233 psi	0.23	0.609	1.28	30.423	-0.44	0.000	-0.36	0.000
155°F	211 psi	0.14	0.399	1.38	31.758	-0.43	0.000	-0.25	0.000
174°F	189 psi	0.05	0.172	1.48	32.925	-0.42	0.000	-0.15	0.000
193°F	167 psi	-0.02	0.000	1.58	33.930	-0.41	0.000	-0.04	0.000
212°F	144 psi	-0.08	0.000	1.67	34.809	-0.41	0.000	0.07	31.960
231°F	122 psi	-0.14	0.000	1.76	35.583	-0.40	0.000	0.18	71.958
250°F	100 psi	-0.20	0.000	1.85	36.267	-0.40	0.000	0.29	105.809

Conditions		Celestite (SrSO ₄)		Halite (NaCl)		Iron Sulfide (FeS)		Iron Carbonate (FeCO ₃)	
Temp	Press.	Index	Am't (ptb)	Index	Am't (ptb)	Index	Am't (ptb)	Index	Am't (ptb)
80°F	300 psi	0.25	93.995	-1.14	0.000	-8.62	0.000	0.15	3.361
99°F	278 psi	0.26	96.415	-1.15	0.000	-8.60	0.000	0.34	7.039
117°F	250 psi	0.26	98.464	-1.16	0.000	-8.58	0.000	0.50	9.898
136°F	233 psi	0.27	100.805	-1.17	0.000	-8.56	0.000	0.64	12.103
155°F	211 psi	0.28	103.858	-1.17	0.000	-8.54	0.000	0.77	13.795
174°F	189 psi	0.29	107.838	-1.18	0.000	-8.51	0.000	0.87	15.088
193°F	167 psi	0.31	112.787	-1.18	0.000	-8.49	0.000	0.96	16.070
212°F	144 psi	0.33	118.600	-1.19	0.000	-8.46	0.000	1.03	16.811
231°F	122 psi	0.35	125.066	-1.19	0.000	-8.43	0.000	1.08	17.360
250°F	100 psi	0.38	131.890	-1.19	0.000	-8.40	0.000	1.12	17.755

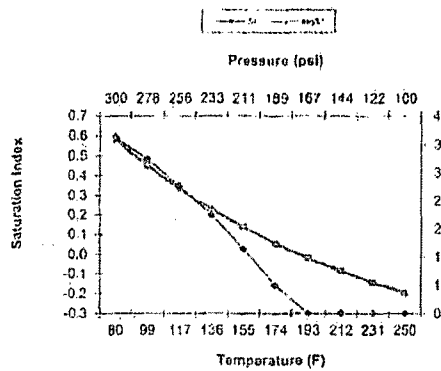
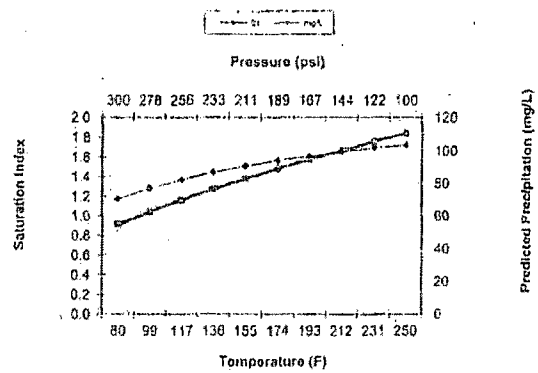
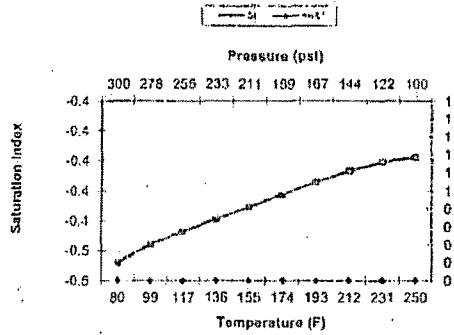
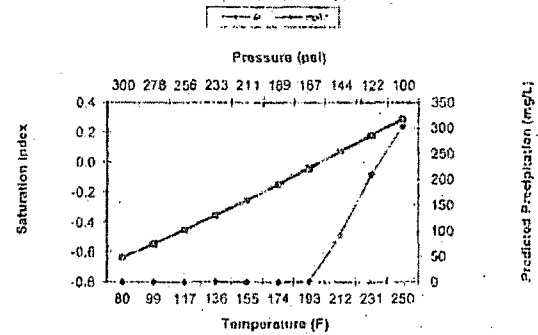
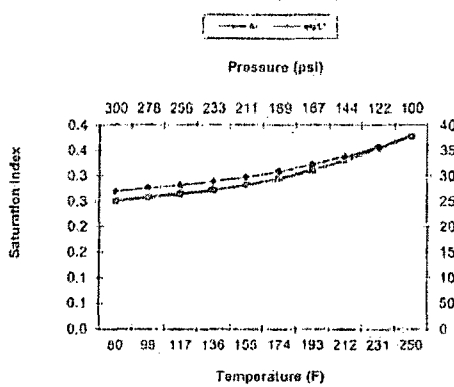
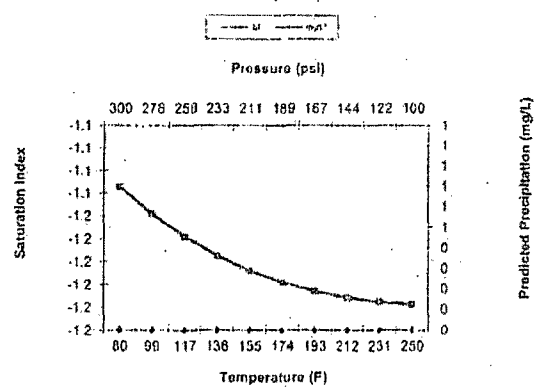
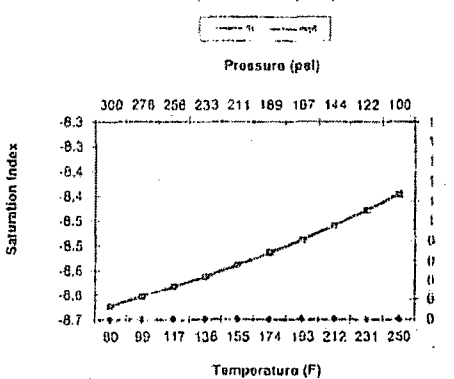
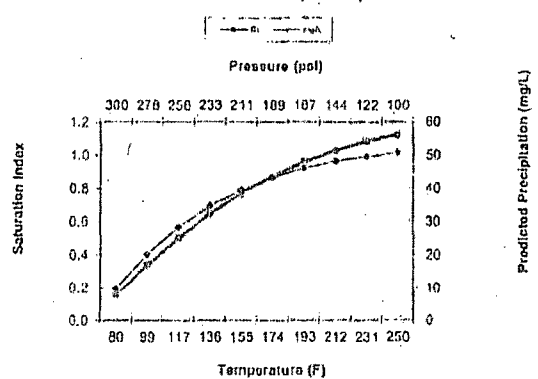
Note 1: When assessing the severity of the scale problem, both the salivation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the eight (8) scales.

Note: 1) Subsidies, loans, production on its own oil and electricity; 2) CO₂ is not included in the calculations.

Comments:

ScaleSoft Pitzer™
SSP2010

Barite (BaSO_4)Calcite (CaCO_3)Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)Anhydrite (CaSO_4)Celestite (SrSO_4)Halite (NaCl)Iron Sulfide (FeS)Iron Carbonate (FeCO_3)

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
---------	----------	----------	-----------	------	---------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
[A] ☐ Working, Royalty or Overriding Royalty Interest Owners
[B] ☐ Offset Operators, Leaseholders or Surface Owner
[C] ☐ Application is One Which Requires Published Legal Notice
[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
[F] ☐ Waivers are Attached
- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Tracie J Cherry
Print or Type Name

Signature

Sr. Regulatory Analyst
Title

Date

tjcherry@basspet.com
e-mail Address

COPY

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-107A
Revised August 1, 2011

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

BOPCO, L.P. PO Box 2760, Midland, TX 79702
Operator Address
James Ranch Unit 195H SHL: UL P Sec 36 T22S-R30E Eddy, NM
Lease Well No. BHL: UL P Sec 35 T22S-R30E County
Unit Letter-Section-Township-Range
OGRID No. 260737 Property Code API No. 30-015-42324 Lease Type: ☒ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Los Medanos; Bone Spring		Los Medanos; Wolfcamp, S.
Pool Code	40295		96336
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Top: 10,903 MD Bottom: 11,131 MD		Top: 11,131 MD Bottom: 11,140 MD
Method of Production (Flowing or Artificial Lift)	ESP		ESP
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	4706		4798
Oil Gravity or Gas BTU (Degree API or Gas BTU)	Gravity: 45.8* BTU: 1303		Gravity: 46.2* BTU: 1390
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates:	Date: Rates:	Zones were not tested separately. This is a combined rate Date: 11/23/2014 Rates: 332 BOPD 826 MCFD 233 BWPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 5.4 % 5.4 %	Oil Gas % %	Oil Gas 94.6 % 94.6 %

*Gravity/BTU are taken from offset well samples

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands
or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: R-10558

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

 COPY

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Tracie J Cherry TITLE Sr. Regulatory Analyst DATE 11/25/14

TYPE OR PRINT NAME Tracie J Cherry TELEPHONE NO. (432) 683-2277

E-MAIL ADDRESS ticherry@basspet.com

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Time: 02:03 PM

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Run Date: 10/08/2014

01 02-25-1920:041STAT0437:30USC226

Total Acres

Serial Number

Case Type 311111: O&G LSE NONCOMP PUB LAND

960.000

NMNM--0 002952A

Commodity 459: OIL & GAS L

Case Disposition: AUTHORIZED

Serial Number: NMNM-- 0 002952A

Name & Address	Int Rel	% Interest
CTV OG NM LLC 201 MAIN ST STE 2700	FORT WORTH TX 761023131	LESSEE 25.000000000
KEYSTONE OG NM LLC 201 MAIN ST#2700	FORT WORTH TX 76102	LESSEE 18.750000000
LMBI OG NM LLC 201 MAIN ST #2700	FORT WORTH TX 761023131	LESSEE 18.750000000
SRBI OG NM LLC 201 MAIN ST #2700	FORT WORTH TX 76102	LESSEE 18.750000000
THRU LINE OG NM LLC 201 MAIN ST #2700	FORT WORTH TX 76102	LESSEE 18.750000000

Serial Number: NMNM-- 0 002952A

Mer Twp Rng Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0220S 0300E 027	ALIQ	N2;		CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0220S 0300E 034	ALIQ	N2;		CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0220S 0300E 035	ALIQ	S2;		CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- 0 002952A

Act Date	Code	Action	Action Remark	Pending Office
04/01/1952	387	CASE ESTABLISHED		
05/01/1952	496	FUND CODE	05;145003	
05/01/1952	530	RLTY RATE - 12 1/2%		
05/01/1952	868	EFFECTIVE DATE		
06/16/1953	232	LEASE COMMITTED TO UNIT	NMNM70965X;JAMES RANC	
06/16/1953	651	HELD BY PROD - ALLOCATED	JAMES RANCH UA	
06/16/1953	660	MEMO OF 1ST PROD-ALLOC	JAMES RANCH UA	
10/28/1953	553	CASE CREATED BY ASGN	OUT OF NMNM02952;	
11/20/1956	102	NOTICE SENT-PROD STATUS		
03/05/1970	940	NAME CHANGE RECOGNIZED	RICHARDSON OILS/BASS	
09/09/1973	500	GEOGRAPHIC NAME	JAMES RANCH FLD;	
09/09/1973	510	KMA CLASSIFIED		
07/20/1984	817	MERGER RECOGNIZED	BASS ENTPR/BASS BROS	
02/27/1985	500	GEOGRAPHIC NAME	UNDEFINED FLD;	
02/27/1985	510	KMA CLASSIFIED		
07/03/1985	940	NAME CHANGE RECOGNIZED	BASS BROS/BASS ENTPR	
07/29/1985	140	ASGN FILED	(1)	
07/29/1985	140	ASGN FILED	(2)	
12/09/1985	139	ASGN APPROVED	(1)EFF 08/01/85;	
12/09/1985	139	ASGN APPROVED	(2)EFF 08/01/85;	
01/17/1986	963	CASE MICROFILMED	CNUM 106,115 DS	
08/01/1986	140	ASGN FILED		
02/02/1988	974	AUTOMATED RECORD VERIF	JAM/RAYO	
03/18/1988	104	ADDTL INFO RQSTD	COPY OF ASSIGNMENT	
12/20/1990	940	NAME CHANGE RECOGNIZED	RM BASS GRP/KEYSTONE	
06/11/1992	974	AUTOMATED RECORD VERIF	DGT/JLV	
03/21/1994	576	APD APPROVED	1 FEDERAL LEGG	
04/01/1998	084	RENTAL RECEIVED BY ONRR	\$400.00;21/0000000069	
04/05/1999	084	RENTAL RECEIVED BY ONRR	\$400.00;21/0000000074	
04/03/2000	084	RENTAL RECEIVED BY ONRR	\$400.00;21/79	
02/23/2001	940	NAME CHANGE RECOGNIZED	PERRY R BASS/CHISHOLM	
04/03/2001	084	RENTAL RECEIVED BY ONRR	\$400.00;21/82	

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
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Run Date: 10/08/2014

12/02/2005	817	MERGER RECOGNIZED	KEYSTONE INC/GROUP
12/02/2005	940	NAME CHANGE RECOGNIZED	KEYSTONE GROUP/LP
12/06/2005	940	NAME CHANGE RECOGNIZED	SID R BASS INC/SRBI
12/08/2005	940	NAME CHANGE RECOGNIZED	THRU LINE INC/LP
12/14/2005	940	NAME CHANGE RECOGNIZED	LEE M BASS INC/LMBI
05/08/2006	140	ASGN FILED	CHISHOLM/CTV O&G N;1
05/08/2006	140	ASGN FILED	KEYSTONE/KEYSTONE;1
05/08/2006	140	ASGN FILED	LMBI/LMBI O&G NM;1
05/08/2006	140	ASGN FILED	SRBI/SRBI O&G NM;1
05/08/2006	140	ASGN FILED	THRU LINE/THRU LINE;1
06/27/2006	139	ASGN APPROVED	(1)EFF 06/01/06;
06/27/2006	139	ASGN APPROVED	(2)EFF 06/01/06;
06/27/2006	139	ASGN APPROVED	(3)EFF 06/01/06;
06/27/2006	139	ASGN APPROVED	(4)EFF 06/01/06;
06/27/2006	139	ASGN APPROVED	(5)EFF 06/01/06;
06/27/2006	974	AUTOMATED RECORD VERIF	ANN

Serial Number: NMNM-- 0 002952A

Line Nr	Remarks
0002	RENTAL PAID THROUGH 05/01/2006 PER MRM

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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(MASS) Serial Register Page**

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Run Date: 10/08/2014

01 02-25-1920;041STAT0437;30USC181

Total Acres
15,094.410

Serial Number
~~NMNM~~ - 070965X

Case Type 318210: O&G EXPLORATORY UNIT
Commodity 459: OIL & GAS L

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 070965X

Name & Address	Int Rel	% Interest
BLM CARLSBAD FO BOPCO LP	620 E GREENE ST PO BOX 2760	CARLSBAD NM 88220 MIDLAND TX 797022760
	OFFICE OF RECORD OPERATOR	0.000000000 100.000000000

Serial Number: NMNM-- - 070965X

Mer Twp	Rng	Sec	SType	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0220S	0300E	012	ALIQ	N2SE,SWSE,S2SW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	013	ALIQ	N2NW,SWNW,E2SW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	014	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	015	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	016	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	017	ALIQ	E2,E2NW,SW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	019	ALIQ	E2,E2W2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	019	LOTS	1-4;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	020	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	021	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	022	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	023	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	024	ALIQ	W2NW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	026	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	027	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	028	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	029	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	030	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	033	ALIQ	E2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	034	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	035	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0300E	036	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0300E	001	ALIQ	S2NE,SE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0300E	001	LOTS	1-4;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0300E	002	LOTS	1-4;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0310E	007	LOTS	2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0220S	0310E	031	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0310E	005	ALIQ	SWNW,W2SW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0310E	005	LOTS	4;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0310E	006	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0310E	007	ALL	ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0310E	008	ALIQ	W2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0310E	017	ALIQ	NW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0310E	018	ALIQ	NE,E2NW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0230S	0310E	018	LOTS	1-2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 070965X

Act Date	Code	Action	Action Remark	Pending Office
11/24/1952	387	CASE ESTABLISHED	DESIGNATION RECEIVED	
05/20/1953	680	AGREEMENT FILED		
06/16/1953	334	ACRMT APPROVED		
06/16/1953	500	GEOGRAPHIC NAME	JAMES RANCH;	
06/16/1953	516	FORMATION	ALL;	
06/16/1953	519	ACRMT/EXPANSION DESIG	AGREEMENT	
06/16/1953	868	EFFECTIVE DATE	/A/ UNIT AGREEMENT	

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BUREAU OF LAND MANAGEMENT
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Run Date: 10/08/2014

03/05/1958	654	AGRMT PRODUCING	INT ATOK PA #A
12/08/1972	664	PA EFFECTIVE	INT STRN06 PA, #C
08/01/1975	664	PA EFFECTIVE	INT MRRW06 PA, #B
10/01/1982	664	PA EFFECTIVE	INT BSPG17 PA, #D
10/26/1989	974	AUTOMATED RECORD VERIF	MVD/AN
03/12/1993	654	AGRMT PRODUCING	INT MRRW06 PA, #E
04/24/1993	654	AGRMT PRODUCING	INT DLRM03 PA, #F
04/06/1994	654	AGRMT PRODUCING	INT DLRM03 A PA, #G
05/23/1994	590	DESIG OF AGENT	SANTA FE ENERGY #56
02/28/1995	421	PLAN OPER/EXPL/DEV FILED	/1/
03/01/1995	422	PLAN OPER/EXPL/DEV APPV	/1/
11/30/2005	940	NAME CHANGE RECOGNIZED	BASS ENT/BEPCO LP
01/01/2009	940	NAME CHANGE RECOGNIZED	BEPCO LP/BOPCO LP
08/26/2010	595	WELL DETERMINED PAYING	103H,104H,105H,106H
08/26/2010	595	WELL DETERMINED PAYING	107H,108H,112H,113H

Serial Number: NMNM-- - 070965X

Line Nr	Remarks
0002	/A/ EXHIBIT B EFFECTIVE DATE 06/16/1953
0003	LEASE SERIAL NO TR# STATUS ACRES
0004	NMNM 0 300 1 FC 320.00
0005	NMNM 0 2883A 2 FC 120.00
0006	NMNM 0 2884A 3 FC 80.72
0007	NMNM 0 2884B 3A FC 320.00
0008	NMNM 0 2887A 4 FC 685.50
0009	NMNM 0 2887B 4A FC 319.98
0010	NMNM 0 2887D 4B FC 323.67
0011	NMNM 0 2951A 5 FC 320.00
0012	NMNM 0 2952 6 FC 800.00
0013	NMNM 0 2952A 6A FC 960.00
0014	NMNM 0 2952B 6B FC 320.00
0015	NMNM 0 2952C 6C FC 160.00
0016	NMNM 0 2953 7 FC 800.86
0017	NMNM 0 2953A 7A FC 480.00
0018	NMNM 0 2953B 7B FC 560.00
0019	NMNM 0 2953C 7C FC 400.98
0020	NMNM 0 4473 8 FC 282.09
0021	NMNM 0 6806 9 FC 640.04
0022	NMNM 0 6807 10 FC 640.00
0023	NMNM 0 6808 11 FC 480.00
0024	NMNM 0307337 12 FC 480.00
0025	NMNM 0 6809A 12A FC 160.00
0026	NMNM 0 6810 13 FC 40.00
0027	NMNM 0 6810A 13A FC 600.00
0028	NMNM 0 6811 14 FC 599.92
0029	NMLC 0 64827A 15 FC 920.00
0030	NMLC 0 69877A 16 FC 280.00
0031	NMLC 0 69877 16A FC 320.00
0032	NMNM 0391404 16B FC 40.00
0033	NMLC 0 71988B 17 FC 480.00
0034	NMNM 69509 18 FC 39.85
0035	STATE 19A FC 640.00

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DEPARTMENT OF THE INTERIOR
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Run Date: 10/08/2014

0036	STATE	19B	FC	160.00
0037	STATE	20	FC	1200.00
0038	FEE	21	FC	40.00
0039	FEE	22	FC	40.00
0040	FEE	23	FC	40.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM02952A

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. NMNM70965X		
2. Name of Operator BOPCO LP			Contact: TRACIE J CHERRY E-Mail: tjcherry@basspet.com		
3. Address P O BOX 2760 MIDLAND, TX 79702			3a. Phone No. (include area code) Ph: 432-221-7379		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 800FSL 330FEL At top prod interval reported below Sec 35 T22S R30E Mer NMP At total depth SWSE 658FSL 2690FWL			8. Lease Name and Well No. JAMES RANCH UNIT 195H		
14. Date Spudded 05/03/2014			15. Date T.D. Reached 06/04/2014		
16. Date Completed ☐ D & A ☒ Ready to Prod. 07/17/2014			9. API Well No. 30-015-42324		
18. Total Depth: MD 18387 TVD 11106			19. Plug Back T.D.: MD TVD		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory LOS MEDANOS; WOLFCAMP, S.		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) RCBL/GR/CCL, CNL/GR/CCL			11. Sec., T., R., M., or Block and Survey or Area Sec 36 T22S R30E Mer NMP		
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3310 GL			16. Date Completed ☐ D & A ☒ Ready to Prod. 07/17/2014		

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.755 J55	48.0		578		580	136	0	
12.250	9.625 J55	40.0		3857		1490	463	0	
8.750	7.000 HCP110	26.0		10037	5013	1340	376	5330	
6.125	4.500 HCP110	13.5	9973	18373		900	194	9973	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	9877							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
BONE SPRING (INTERVAL A)	10595	11131	10228 TO 18330	0.410	336	OPEN
WOLFCAMP (INTERVAL B)	11131	18330				
C)						
D)						

Depth Interval	Amount and Type of Material
10228 TO 18330	FRAC DOWN CSG USING TOTAL 74461 BBLs FLUID, 3952431# PROPANT ACROSS 14 STAGES

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/18/2014	11/23/2014	24	→	18.0	45.0	13.0	43.0		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→				2500		

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/18/2014	11/23/2014	24	→	314.0	781.0	220.0	43.0		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→				2487		

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #281876 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
CAPTURED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
BELL CANYON	3918	4820	SANDSTONE	RUSTLER	248
CHERRY CANYON	4820	6160	SANDSTONE	SALADO/T. SALT	569
BRUSHY CANYON	6160	7727	SANDSTONE	B. SALT	2509
BONE SPRING	10595	11131	SANDSTONE	BELL CANYON	3918
WOLFCAMP	11131	18387	SANDSTONE, SHALE	CHERRY CANYON	4820
				BRUSHY CANYON	6160
				BONE SPRING	7727
				WOLFCAMP	11131

32. Additional remarks (include plugging procedure):

Top Bone Spring perf
Sec 36, SESE 786 FSL & 404' FEL

Top Wolfcamp perf
Sec 36, SESE 778' FSL & 1076 FEL

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #281876 Verified by the BLM Well Information System.
For BOPCO LP, sent to the Carlsbad

Name (please print) TRACIE J CHERRYTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 11/25/2014

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Conditions of Approval

BOPCO, L.P.
James Ranch Unit 195H
API: 30-015-42324
T22S R33E, Sec 35
December 16, 2014

The BLM concurs with the production allocation for the James Ranch Unit 195H. This method is approved for this well due to the location of the 4-1/2 inch liner and the inability to test the zones solely without compromising the well.

JAM 121614