

BOPCO, L.P.
201 MAIN ST.
FORT WORTH, TEXAS 76102-3131
817/390-8400

May 6, 2016

RECEIVED OGD

2016 MAY 11 A 9:07

FEDERAL EXPRESS

API No. 30-015-41693

Bureau of Land Management
Carlsbad District Office
620 E. Green St.
Carlsbad, New Mexico 88220
Attn: Mr. Ed Fernandez

New Mexico State Land Office
Commissioner of Public Lands
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501
Attention: Mr. Pete Martinez

New Mexico Oil Conservation Division
1220 St. Francis
Santa Fe, New Mexico 87505
Attention: Mr. William Jones

Re: Commercial Determination
PLU CVX JV Big Sinks #022H (24-25-30)
1st Bone Spring Shale
Eddy County, New Mexico

Gentlemen:

Please find attached hereto one (1) copy of Bass' commercial determination worksheets and exhibits which indicate that the subject well is not a commercial producer in the 1st Bone Spring Shale. Should you be in agreement that the 1st Bone Spring Shale is not commercial, please signify by executing one (1) copy of this letter in the space provided below and returning same to the undersigned at your earliest convenience.

Thank you very much and should you have any questions or comments in regard to the attached commercial determination, please do not hesitate to contact the undersigned.

Very truly yours,



R. Travis Mears

Bureau of Land Management

New Mexico State Land Office

New Mexico Oil Conservation Division

By: _____

By: _____

By: _____

Its: _____

Its: _____

Its: _____

Date: _____

Date: _____

Date: _____

ECONOMIC PROJECTION

Date : 4/26/2016

Lior: 1004624

2:25:43PM

Project Name : 7-1-2015 NSAI Review For BOPCO, LP

As Of Date : 06/01/2013

Lease Name : 1004624/PLU CVX JV BS/022H/1ST

Partner : All cases

Discount Rate (%) : 5.00

Reserv Cat. : Proved Shut-In

Case Type : LEASE CASE

Field : WILDCAT G-05 S2630010;BONE SPRIN

Archive Set : BOPCO 1/2016

1004624/PLU CVX JV BS/022H/1ST

Operator : BOPCO

Cum Oil (Mbbbl) : 0.00

Reservoir : 1ST BONE SPRING SHALE

Cum Gas (MMcf) : 0.00

Co., State : EDDY, NM

Risk: 0.000 Inherited/ 0.000 Compounded

Year	Gross Wet Production		Gross Dry Gas & NGL		Sales		
	Oil (Mbbbl)	Wet Gas (MMcf)	Dry Gas (MMcf)	NGL (Mgal)	Oil (Mbbbl)	Gas (MMcf)	NGL (Mgal)
2013	0.077	1.095	0.678	3.953	0.069	0.610	3.558
2014	38.341	259.139	160.407	935.492	34.507	144.366	841.943
2015	9.787	69.997	43.328	252.689	8.808	38.995	227.420
2016	20.784	95.765	59.278	345.710	18.706	53.350	311.139
2017	12.895	96.989	60.036	350.129	11.606	54.032	315.116
2018	10.173	78.810	48.783	284.504	9.156	43.905	256.054
2019	8.521	67.488	41.775	243.631	7.669	37.597	219.268
2020	7.415	59.773	36.999	215.779	6.673	33.299	194.202
2021	6.570	53.751	33.272	194.041	5.913	29.945	174.637
2022	5.938	49.195	30.451	177.592	5.344	27.406	159.833

Rem	81.053	691.623	428.115	2,496.759	72.948	385.303	2,247.083
Total	201.556	1,523.623	943.123	5,500.279	181.400	848.810	4,950.251
Ult.	201.556	1,523.623					

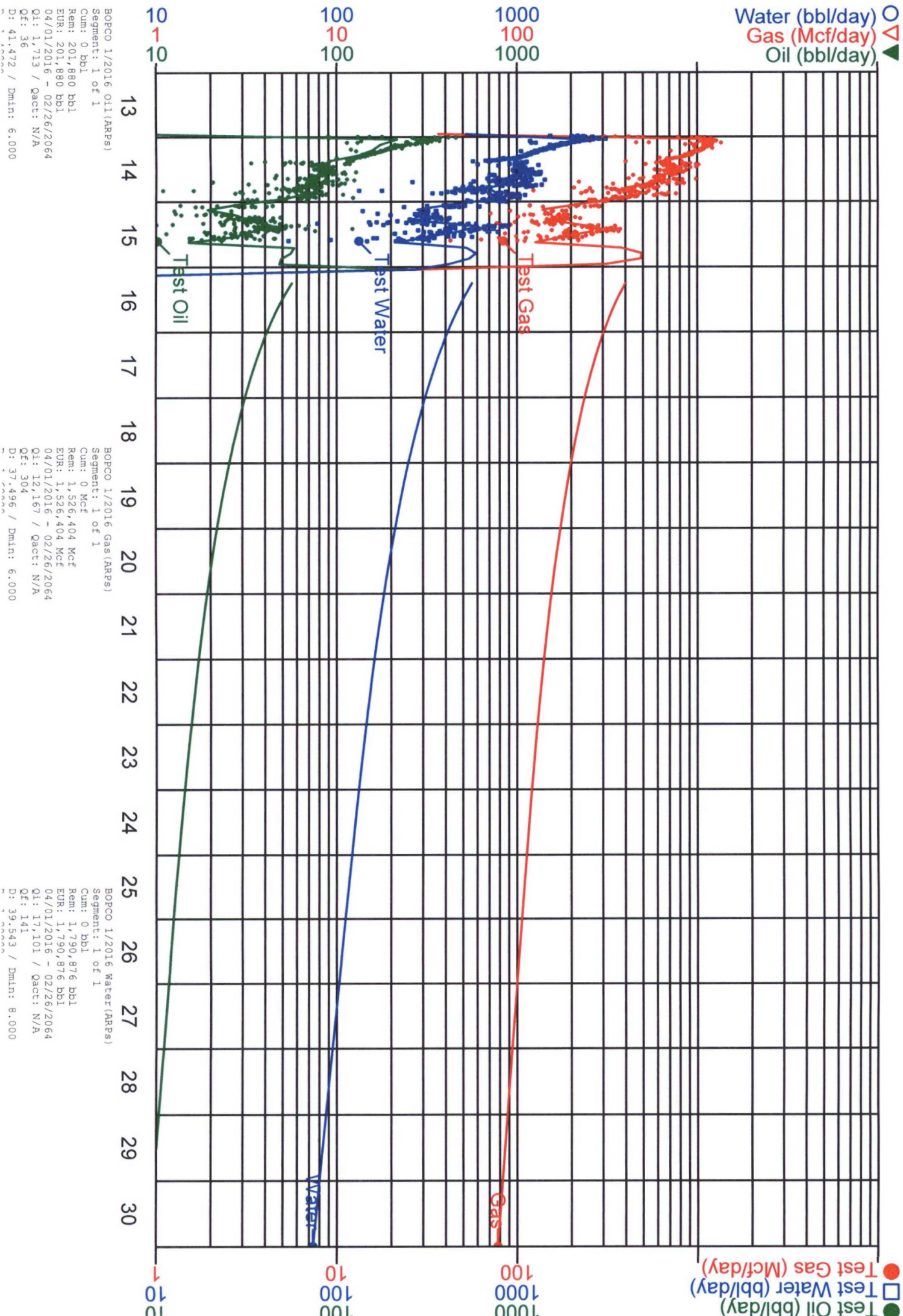
Year	Average Price			Net Revenue			
	Oil (\$/bbl)	Gas (\$/Mcf)	NGL (\$/gal)	Oil (M\$)	Gas (M\$)	NGL (M\$)	Total (M\$)
2013	88.08	3.08	0.75	6.10	1.88	2.67	10.65
2014	85.88	3.53	0.84	2,963.53	509.79	710.99	4,184.31
2015	45.10	2.08	0.40	397.23	81.05	91.24	569.52
2016	35.44	1.95	0.42	662.92	104.15	129.67	896.74
2017	42.55	2.39	0.44	493.80	128.90	137.54	760.24
2018	43.86	2.39	0.45	401.53	105.09	114.19	620.82
2019	44.95	2.41	0.45	344.72	90.62	99.08	534.42
2020	45.99	2.48	0.45	306.93	82.54	88.28	477.75
2021	46.83	2.58	0.46	276.91	77.24	80.89	435.03
2022	47.40	2.70	0.46	253.34	74.01	74.03	401.38
Rem	48.47	3.36	0.46	3,535.67	1,294.63	1,040.83	5,871.13
Total	53.16	3.00	0.52	9,642.70	2,549.89	2,569.42	14,762.00

Year	Expenditures				Future Net Revenue			
	Total Sev Taxes (M\$)	Total Adv Taxes (M\$)	Net Investments (M\$)	Total Net Opcosts (M\$)	Annual (M\$)	Cumulative (M\$)	Disc. Ann. CF 5.00 % (M\$)	Cum. Disc. CF 5.00 % (M\$)
2013	0.58	0.03	5,829.29	39.49	-5,858.74	-5,858.74	-5,857.97	-5,857.97
2014	250.59	12.55	0.00	1,540.61	2,380.56	-3,478.19	2,280.60	-3,577.37
2015	34.60	1.71	0.00	591.68	-58.46	-3,536.65	-53.84	-3,631.21
2016	55.27	2.69	0.00	629.64	209.15	-3,327.50	180.80	-3,450.41
2017	45.25	2.28	0.00	615.69	97.02	-3,230.48	79.86	-3,370.55
2018	36.81	1.86	0.00	513.81	68.34	-3,162.14	52.62	-3,317.92
2019	31.64	1.60	250.00	297.34	-46.16	-3,208.30	-29.70	-3,347.63
2020	28.31	1.43	0.00	281.91	166.09	-3,042.21	117.65	-3,229.97
2021	25.77	1.31	0.00	270.21	137.75	-2,904.45	92.92	-3,137.05
2022	23.84	1.20	0.00	261.48	114.86	-2,789.60	73.78	-3,063.27
Rem	353.47	17.61	0.00	8,407.90	-2,907.85	-2,907.85	-338.07	-338.07
Total	886.13	44.29	6,079.29	13,449.74	-5,697.44	-5,697.44	-3,401.34	-3,401.34

Major Phase :	Gas	Working Int :	1.00000000	Present Worth Profile (M\$)
Perfs :	0 0	Revenue Int :	0.90000000	
Initial Rate :	12,166.67 Mcf/month	Disc. Initial Invest. (m\$) :	6,010.622	5.00% -3,401.34
Abandonment :	318.51 Mcf/month	Internal ROR (%) :	>1000.0	9.00% -3,253.84
Initial Decline :	37.50 % year b = 1.600	ROI Investment (disc/undisc) :	0.43 / 0.06	10.00% -3,266.34
Bee Ratio :	0.14 bbl/Mcf	Years to Payout :	0.00	12.00% -3,311.55
End Ratio :	0.12 bbl/Mcf	Abandonment Date :	05/31/2063	15.00% -3,399.38
Forecast Start :	04/01/2016			20.00% -3,546.97
		Initial	1st Rev.	30.00% -3,785.18
		Working Interest :	0.00000000	40.00% -3,961.03
		Revenue Interest :	0.00000000	50.00% -4,098.34
		Rev. Date :		60.00% -4,210.62

10V4024/FLU CVA UV BS/VZLN/LSI
Oper: BOPCO
Major Phase: Gas

FIELD: WILBUCAI G-03 S4030010/BUNE SPRING
EDDY, NM
ECL Date: 05/31/2063



WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL _____ PLU CVX JV BIG SINKS #022H (24-25-30) _____ FORMATION _____ BONE SPRING _____
 LOCATION _____ UNIT, 85 FEET FROM SOUTH LINE & 740 FEET FROM WEST LINE
 SECTION 13 TOWNSHIP 25S RANGE 30E COUNTY Eddy NEW MEXICO
 SPUD DATE 8/8/2013 COMPLETION DATE 1/7/2014 INITIAL PRODUCTION 1/10/2014
 PERFORATIONS 9358-14309
 BHL: 35' FNL & 666' FWL SEC 24 T25S R30E
 STIMULATION:

ACID _____

FRACTURE See Attached _____

POTENTIAL (1/11/2014): 179 BOPD, 1179 MCFPD, 2835 BWPD

(Attach Copy of C-105. Attach Copy of Wellbore Sketch of Completed Well.)

VOLUMETRIC CALCULATION

	SANDS PERFORATED	POTENTIALLY PRODUCTIVE
Area (A) proration unit size, acres	160	
Porosity (Φ), %	8.8%	
Water saturation (Sw), %	23%	
Net Thickness (H), ft	65	
Temperature (T), Fahrenheit	140	
Bottom Hole pressure (P), psia	4,370	
Recovery factor (RF), %	12%	
Recoverable oil, MBO *(See eq. below)	305.1	

*Sometimes unable to match performance due to volumetric uncertainty or low recovery efficiency of shale gas wells.

Formula = $((7758 \text{ rb/ac-ft}) (\text{por}) (1-S_w) / (\text{Boi rbo/stb})(RF)(A) (h)) / 1000 \text{ bo/Mbo}$ Boi = 2.15 rb/stb

PERFORMANCE DATA

(If sufficient history exists, attach plot of oil production rate v time.)

CUMULATIVE PRODUCTION TO	<u>3/31/2016</u>	<u>49,490</u>	BBL Oil	<u>342,799</u>	MCF Gas
INITIAL RATE (qi)	<u>56 BOPD</u>				
ECONOMIC LIMIT (ql)	<u>1 BOPD</u>				
HYPERBOLIC DECLINE RATE, dy	<u>n = 1.4, d = 41%/yr</u>				
REMAINING MBO (Q) =	<u>152</u>				
ULTIMATE RECOVERABLE MBO	<u>202</u>				

(Attach plot showing proration unit and participating area.)

ECONOMIC

GROSS WELL COST \$2,609,238 (to the depth of formation completed)

COMPLETION COST \$3,913,857

GROSS TOTAL COST \$6,523,095

YEAR	GROSS OIL MBO	BFIT NET INCOME (\$M)	OPERATING COST (\$M) INCL SEV & AD VAL TAX	5% NET BFIT DISCOUNTED CASH FLOW
ZERO				
1	0.077	10.7	40.1	-5819.5
2	38.341	4184.3	1803.8	3744.2
3	9.787	569.5	628.0	480.4
4	20.784	896.7	687.6	288.3
5	12.895	760.2	663.2	79.9
6	10.173	620.8	552.5	52.6
7	8.521	534.4	330.6	-29.7
8	7.415	477.8	311.7	117.7
9	6.570	435.0	297.3	92.9
10	5.938	401.4	286.5	73.8
REMAINDER	81.053	5871.1	8779.0	-338.1
TOTAL	201.554	14762.0	14380.2	-1257.6

WELL IS NOT COMMERCIAL

OCD Artesia

Form 3160-4
(August 2007)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

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMLC063079A	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resv. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BOPCO LP		7. Unit or CA Agreement Name and No. 891000303X	
Contact: TRACIE J CHERRY E-Mail: tjcherry@basspet.com		8. Lease Name and Well No. PLU BIG SINKS 24 25 30 USA 1Y	
3. Address MIDLAND, TX 79702		9. API Well No. 30-015-41693-00-S1	
3a. Phone No. (include area code) Ph: 432-221-7379		10. Field and Pool, or Exploratory WC G-05 S26 30010	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 13 T25S R30E Mer NMP At surface SWSW 85FSL 740FWL 32.072417 N Lat, 103.502740 W Lon Sec 24 T25S R30E Mer NMP At top prod interval reported below NENW 293FNL 764FWL Sec 24 T25S R30E Mer NMP At total depth SWSW 35FSL 666FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 13 T25S R30E Mer NMP	
14. Date Spudded 09/23/2013		15. Date T.D. Reached 11/12/2013	
16. Date Completed ☐ D & A ☒ Ready to Prod. 12/22/2013		17. Elevations (DF, KB, RT, GL)* 3301 GL	
18. Total Depth: MD 14363 TVD 9241		19. Plug Back T.D.: MD TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR CBL	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	61.0	0	1170		1348		0	
11.000	8.625 J-55	32.0	0	3973		1900		0	
7.875	5.500 HCP-110	17.0	0	14333	5016	1720		3758	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8905							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8381	14363	9358 TO 14309	0.570	312	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9358 TO 14309	FRAC USING 69,548 BBLs FLUID, 3,216,291# PROPANT ACROSS 13 STAGES

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/29/2013	01/11/2014	24	→	179.0	1179.0	2835.0	46.4		ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→	179	1179	2835	6587	POW	

28a. Production - Interval B

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	
			→						

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

ELECTRONIC SUBMISSION #232651 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Accepted for record

JRD NMOC 4/17/14

RECLAMATION
DUE 6-22-14

RECEIVED

APR 16 2014

NMOC ARTESIA

ACCEPTED FOR RECORD

APR 12 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.)
SOLD

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
				RUSTLER	1083
				SALADO	1296
				BASE OF SALT	3780
				BELL CANYON	4030
				CHERRY CANYON	4958
				BONE SPRING LIME	7887

32. Additional remarks (include plugging procedure):
 ****CONFIDENTIAL****

Cmt did not circulate to DV tool on 5-1/2". TOC above DV determined by CBL.

No open hole logs run. Formation tops determined by logs from PLU Big Sinks 13 25 30 #1H drilled on same pad.

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 #232651 Verified by the BLM Well Information System.
 For BOPCO LP, sent to the Carlsbad
 Committed to AFMSS for processing by JAMES AMOS on 04/12/2014 (14JA0999SE)

Name (please print) TRACIE J CHERRY

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/21/2014

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

[Handwritten signature]

DISTRICT I

1825 N. French Dr., Hobbs, NM 58240
Phone (505) 383-6181 Fax: (505) 383-6720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone (505) 748-1223 Fax: (505) 748-9728

DISTRICT III

1000 Rio Bravo Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6179

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 478-3480 Fax: (505) 478-3482State 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 30-015-41693	Pool Code 978147	Pool Name Wilcat; G-05 S2630010; Bone Spring
Property Code 40115	Property Name PLU BIG SINKS 24 25 30 USA	Well Number 1Y
GRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3301'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	25 S	30 E		85	SOUTH	740	WEST	EDDY

Bottom Hole Location 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
M	24	25 S	30 E		35	SOUTH	666	WEST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

SURFACE LOCATION Lat ~ N 32°07'23.75" Long ~ W 103°50'25.07" NMSPC- N 408914.6 E 652634.8 (NAD-27) BOTTOM HOLE LOCATION Lat ~ N 32°08'30.57" Long ~ W 103°50'26.14" NMSPC- N 403541.1 E 652567.3 (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 or has a right to drill this well at this 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. <i>Tracie J Cherry</i> 01-21-14 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. SEP 20 2013 Date Surveyed Signature & Seal of Professional Surveyor Certified Professional Surveyor, License 7977 BASS SOWERS 0' 1000' 2000' 3000' 4000' SCALE: 1" = 2000' WO Num.: 29414
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Downhole Profile - Vertical Wells

BOPCO, L.P. - West Texas

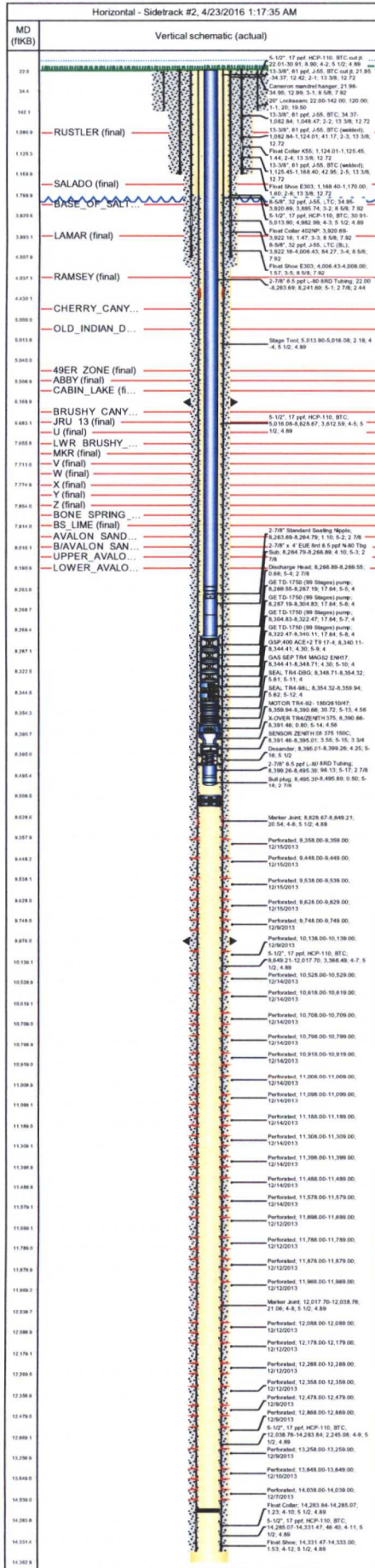
Well Name: POKER LAKE UNIT CVX JV BS #022H (24-25-30)

Well ID: 30-015-41693

Field: Wildcat - Bone Spring

Sect: 13 Town: 25S Rng: 30E County: Eddy State: New Mexico

Surface Location: 85° FSL & 740° FWL, Sec 13, T25S-30E



Well Information											
Orig KB Elev (ft)	3,323.00	Gr Elev (ft)	3,301.00	KB-Grd (ft)	22.00	Spud Date	9/7/2013	On Production Date	12/24/2013	PBTD (All) (mKB)	Original Hole - 14,258.0 Sidetrack #2 - 14,258.0
Kick Off depth (ftKB)											
Wellbore Name:						Top Depth (ftKB):					
Size (in)		Act Top (ftKB)				Act Btm (ftKB)		142.0			
30		22.0				142.0		1,170.0			
17 1/2								1,170.0			
Schematic Annotations											
Type		Depth (ftKB)		Annotation							
Casing Strings											
Csg Des		Wellbore		OD (in)		Wt (lb/ft)		Grade		Top Thread	
Conductor		Redrill		20		48.00		H-40		142.00	
Surface		Redrill		13 3/8		61.00		J-55		BT&C	
Intermediate		Redrill		8 5/8		32.00		J-55		LT&C	
Production		Sidetrack #2		5 1/2		17.00		HCP-110		BT&C	
Perforations											
Perf Date		Top (ftKB)		Btm (ftKB)		Linked Zone			Current Status		
12/9/2013		9,358.0		9,629.0		1st Bone Spring, Sidetrack #2			Active (9,448.0 - 9,449.0 ftKB)		
12/9/2013		9,748.0		10,019.0		1st Bone Spring, Sidetrack #2			Active (9,748.0 - 9,749.0 ftKB)		
12/9/2013		10,138.0		10,409.0		1st Bone Spring, Sidetrack #2			Active (10,138.0 - 10,139.0 ftKB)		
12/9/2013		10,528.0		10,799.0		1st Bone Spring, Sidetrack #2			Active (10,618.0 - 10,619.0 ftKB)		
12/9/2013		10,918.0		11,189.0		1st Bone Spring, Sidetrack #2			Active (11,098.0 - 11,099.0 ftKB)		
12/9/2013		11,308.0		11,579.0		1st Bone Spring, Sidetrack #2			Active (11,398.0 - 11,399.0 ftKB)		
12/9/2013		11,698.0		11,969.0		1st Bone Spring, Sidetrack #2			Active (11,968.0 - 11,969.0 ftKB)		
12/9/2013		12,088.0		12,359.0		1st Bone Spring, Sidetrack #2			Active (12,358.0 - 12,359.0 ftKB)		
12/11/2013		12,478.0		12,749.0		1st Bone Spring, Sidetrack #2			Active (12,478.0 - 12,479.0 ftKB)		
12/11/2013		12,868.0		13,139.0		1st Bone Spring, Sidetrack #2			Active (12,868.0 - 12,869.0 ftKB)		
12/11/2013		13,258.0		13,529.0		1st Bone Spring, Sidetrack #2			Active (13,258.0 - 13,259.0 ftKB)		
12/11/2013		13,648.0		13,919.0		1st Bone Spring, Sidetrack #2			Active (13,648.0 - 13,649.0 ftKB)		
12/7/2013		14,038.0		14,309.0		1st Bone Spring, Sidetrack #2			Active (14,038.0 - 14,039.0 ftKB)		
Tubing Strings											
Tubing Description		Run Date		String Length (ft)		Set Depth (ftKB)					
Tubing - Production		12/18/2015		8,473.89		8,495.89					
No.	Item Des			Jts	OD (in)	Wt (lb/ft)	Grade	Top (ftKB)			
5-1	2-7/8" 6.5 ppf L-80 8RD Tubing			257	2 7/8	6.50	L-80	22.0			
5-2	2-7/8" Standard Seating Nipple			1	2 7/8			8,263.7			
5-3	2-7/8" x 4" EUE 8rd 6.5 ppf N-80 Tbg Sub			1	2 7/8		N-80	8,264.8			
5-4	Discharge Head			1	2 7/8			8,268.9			
5-5	GE TD-1750 (99 Stages) pump			1	4			8,269.6			
5-6	GE TD-1750 (99 Stages) pump			1	4			8,287.2			
5-7	GE TD-1750 (99 Stages) pump			1	4			8,304.8			
5-8	GE TD-1750 (99 Stages) pump			1	4			8,322.5			
5-9	GSP,400 ACE+2 T9 17-4			1	4			8,340.1			
5-10	GAS SEP TR4 MAGS2 ENH17			1	4			8,344.4			
5-11	SEAL TR4-DBG			1	4			8,348.7			
5-12	SEAL TR4-98L			1	4			8,354.3			
5-13	MOTOR TR4-92- 180/2610/47			1	4.56			8,359.9			
5-14	X-OVER TR4/ZENITH 375			1	4.56			8,390.7			
5-15	SENSOR ZENITH E6 375 150C			1	3 3/4			8,391.5			
5-16	Desander			1	5 1/2			8,395.0			
5-17	2-7/8" 6.5 ppf L-80 8RD Tubing			3	2 7/8			8,399.3			
5-18	Bull plug			1	2 7/8			8,495.4			
Other Downhole Equipment											
Run Date		Des		OD (in)		Top (ftKB)		Btm (ftKB)			
3/5/2015		Tight Spot		5 1/2		4,428.0		4,430.0			
3/5/2015		WFT Blackcat Packer		4 5/8		8,508.5		8,514.0			
12/22/2013		No Cap String									
Cement											
Conductor Cement, 9/23/2013											
String: Conductor, 142.00ftKB Cement Evaluation Results:											
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)			Top Measurement Method					
1	22.0	142.0				Circulated					
Surface Casing Cement, 9/25/2013											
String: Surface, 1,170.00ftKB Cement Evaluation Results:											
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)			Top Measurement Method					
1	22.0	1,170.0	185.0			Circulated					
Fluid		Amount (sacks)		Class		Dens (lb/gal)		Yield (ft³/sack)			
Lead		1,028		C		13.50		1.74			
Tail		320		C		14.80		1.32			
Intermediate Casing Cement, 9/27/2013											
String: Intermediate, 4,008.00ftKB Cement Evaluation Results:											
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)			Top Measurement Method					
1	22.0	4,008.0	171.0			Circulated					
Fluid		Amount (sacks)		Class		Dens (lb/gal)		Yield (ft³/sack)			
Lead		1,550		C		12.90		1.92			
Tail		350		C		14.80		1.33			
Cement Plug, 10/4/2013											
String: Intermediate, 4,008.00ftKB Cement Evaluation Results:											
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)			Top Measurement Method					
1	22.0	6,690.0	6190			Circulated					
Fluid		Amount (sacks)		Class		Dens (lb/gal)		Yield (ft³/sack)			
Lead		250		C		17.50		0.95			
Production Casing Cement, 11/13/2013											
String: Production, 14,333.00ftKB Cement Evaluation Results:											
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)			Top Measurement Method					
1	5,000.0	14,333.0	0.0			Volume Calculations					
Fluid		Amount (sacks)		Class		Dens (lb/gal)		Yield (ft³/sack)			
Lead		440		H		12.90		1.91			
Tail		880		H		13.00		1.48			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)			Top Measurement Method					
2	1,800.0	5,000.0	0.0			Volume Calculations					
Fluid		Amount (sacks)		Class		Dens (lb/gal)		Yield (ft³/sack)			
Lead		250		C		12.90		1.92			
Tail		150		C		14.80		1.32			