BOPCO, L.P.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131 817/390-8400

February 20, 2015

RECEN D OGD 2015 FEB 24 A 9: 24

FEDERAL EXPRESS

30-015-40155

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 BS #013H (35-24-30)

1st Bone Spring Shale Eddy County, New Mexico 366

Gentlemen:

Please find attached hereto one (1) copy of Bass' commercial determination worksheets and exhibits which indicate that the subject well is a commercial well in the 1st Bone Spring Shale. Please indicate your concurrence to the above Commercial Determination. Upon your execution hereof, Bass will submit a participating area for the well.

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: Well Jones
Its:	Its:	Its: Engineer
Date:	Date:	Date: 22 June 2015



INTER-OFFICE MEMORANDUM

TO:

Ross Sutton

FROM:

Bryce Bezant

DATE:

1/20/2015

RE:

Commercial Determination

PLU CVX JV BS #013H (35-24-30)

Poker Lake Unit (1ST Bone Spring Shale)

Eddy County, New Mexico



Attached are the worksheets and necessary exhibits for the subject well to be submitted for commercial determination. The Big Sinks #013H was drilled in 2012 to a total depth of 13,597' laterally and completed in the 1st Bone Spring Shale reservoir. The well is producing from perforations 9,128'-13,457'. On test 11/11/2012 the well flowed at the rate of 549 BOPD, 749 MCFD, and 1831 BWPD. This well has an expected recovery of approximately 389 MBOE (13:1 mcf/bbl) from the current completion.

The capital investment was taken from the AFE report and operating costs from the LIOR statement which included water hauling charges. The most recent strip price file was utilized adjusting for current area differentials. The Big Sinks #013H will be a commercial well and should be incorporated into a participating area.

R. Bryce Bezant, P.E.

RBB/tah

Cc:

Andy Morrison Tom McCarthy

Steve Johnson

ECONOMIC PROJECTION

1004615/PLU CVX JV BS/013H/1ST

1/23/2015 Date:

Lior: 1004615

Lease Name: 1004615/PLU CVX JV BS/013H/1ST Reserv Cot.: Proved Producing Field: WILDCAT G-06 \$243026M;B.S.

Project Name: commercial determination

As Of Date: 05/01/2012 Discount Rate (%) : 5.00

2:28:59PM

All cases

Partner ! Case Type: LEASE CASE Archive Set: NS0714

Operator : BOPCO

Cum Oil (Mbbl) : Cum Gas (MMcf) :

Reservoir: 1ST BONE SPRING SHALE

Co., State : EDDY, NM

Risk: 0.000 Inherited/ 0.000 Compounded

	Gress Wet Pro	duction	Gross Dry Gas	& NGL	Sales				
Year	Oil (Mbbl)	Wet Gas (MMcf)	Dry Gas (MMcf)	NGL (Mgal)	Oil (Mbbl)	Gas (MMcf)	NGL (Mgal)		
2012	26.831	77.523	43.258	255.826	23.745	38.283	226.406		
2013	56.132	430.561	240.253	1,420.851	49.677	212,624	1,257.453		
2014	21.048	192,118	107.202	633.990	18.628	94.874	561.081		
2015	15.989	154,141	86.010	508.664	14.150	76.119	450.167		
2016	12,268	120,456	67.215	397.506	10.857	59.485	351.793		
2017	10.000	99.220	55.365	327.427	8.850	48.998	289.773		
2018	8,506	84.972	47.414	280,408	7.527	41.962	248.161		
2019	7.429	74.572	41.611	246.087	6.575	36.826	217.787		
2020	6.630	66,790	37.269	220,408	5.868	32.983	195.061		
2021	5.970	60.304	33.650	199.003	5.283	29.780	176.118		

Rem Total	63.816 234,619	646.263 2,006.920	360:615 1,119:862	2,132.638 6,622.809	56.477 207.638	319.144 991.078	1,887.385 5,861,186	
UIL	234.619	2,006.920						
		Average Price			Net Reve	onuc		
Year	Oil (\$/bbl)	Oil Gas		Oil (M\$)	Gas (MS)	NGL (M\$)	Total (MS)	
2012	78.51	3.27	0.75	1,864.24	125.08	169.80	2,159.12	
2013	87.21	3.33	0.75	4,332.29	708.20	943.09	5,983.58	
2014	88.28	4.48	0.89	1,644.45	425.50	499.68	2,569.62	
2015	80.97	3.91	0.81	1,145.82	297.79	365.73	1,809.34	
2016	75.62	3.77	0.80	821.06	224.50	281.29	1,326.85	
2017	72.74	3.81	0.80	643.72	186.61	231.70	1,062.03	
2018	71.05	3.86	0.80	534.86	162.16	198.43	895.44	
2019	69.91	3.93	0.80	459.61	144.89	174.14	778.64	
2020	69.41	4.04	0.80	407.29	133.16	155.97	696.42	
2021	69.16	4.12	0.80	365.40	122.61	140.82	628.83	
Rem	69.02	4.39	0.80	3,897.79	1,400.28	1,509.12	6,807.20	
Total	77.62	3.97	0.80	16,116.53	3,930.77	4.669.77	24,717.07	

_		Expenditures Future Net Revenue							
Year S	Total sev Taxes (MS)	Total Adv Taxes (M\$)	Net Investments (M\$)	Total Net Opcosts (MS)	Annual (MS)	Cumulative (M\$)	Disc. Ann. CF 5.00 % (M\$)	Cum. Disc. CF 5.00 % (M\$)	
2012	7.44	0.32	7,645.44	1.49	-5,495.56	-5,495.56	-5,493.90	-5,493.90	
2013	441.26	18.84	0.00	2,448.35	3,075.12	-2,420.44	2,936.14	-2,557.76	
2014	191.34	8.09	0.00	351.21	2,018.99	-401.45	1,818.28	-739.48	
2015	134.83	5.69	0.00	406.14	1,262.68	861.23	1,084.04	344.56	
2016	99.04	4.17	0.00	372.46	851.18	1,712.41	695.50	1,040.06	
2017	79.38	3.34	0.00	351.22	628.08	2,340.49	488.61	1,528.67	
2018	67.00	2.82	0.00	336.97	488.65	2,829.14	362.00	1,890.67	
2019	58.31	2.45	0.00	326.57	391.31	3,220.45	276.06	2,166.73	
2020	52.18	2.19	0.00	318.79	323.25	3,543.71	217.16	2,383.89	
2021	47.14	1.98	0.00	312.30	267.41	3,811.12	171.08	2,554.97	
Rem	510.76	21.41	0.00	8,979.78	-2,704.75	-2,704.75	-248.30	-248.30	
Total	1,688.67	71.30	7,645.44	14,205.29	1,106.37	1,106.37	2,306.67	2,306.67	
Maior Phase:		Gas		Working In	R.C.	1.00000000	Pro	esent Worth Prof	ile (MS)
Perfs: Initial Rate: Abandonment: Initial Decline: Bez Ratio: End Ratio: Forecast Start:		0 0 5.894.00 Mcf/m 304.17 Mcf/m 87.00 % year 0.27 bbl/Mc 0.10 bbl/Mc /01/2012 Working I Revenue I	onth b = 1.200 if Init Interest: 1.0000 interest: 0.8850	Internal RC ROInvestm Years to Pa Abandonm ial 1st Rev. 00000 0.0000000	I Invest. (m\$): OR (%): nent (disc/undisc): yout: ent Date: 2nd Rev. 0 0.0000000	0.88500000 7.583.395 22.80 1.30 / 1.14 2.93 01/26/2055		5.00% : 9.00% : 10.00% : 12.00% : 15.00% : 20.00% : 30.00% : 40.00% : 50.00% : 60.00% :	2,306.6 1,844.0 1,693.3 1,387.9 948.5 307.7 -653.5 -1,322.8 -1,813.0 -2,187.0

10 10 10 100 100 100 Water (bbl/day) ○
Gas (Mcf/day) ○
Oil (bbl/day) Proj Gas Cum: 0.00 MMcf Gas Rem: 2,006.92 MMcf Gas EUR: 2,006.92 MMcf 1000 12 st Oi 16 18 20 22 24 26 28 Proj Oil Cum: 0.00 Oil Rem: 234.62 Oil EUR: 234.62 32 Test Oil (bbl/day)

Test Water (bbl/day) OI OI 100 Mbbl Mbb1

Field: WILDCAT G-06 S243026M; B.S. EDDY, NM ECL Date: 01/26/2055

Oper: BOPCO

Reservoir: 1ST BONE SPRING SHALE

1004615/PLU CVX JV BS/013H/1ST

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL PLU GVX	(JV BIG SINKS #013H	(35-24-30)		_FORMATION_	1000	BONE SP	RING
OCATION L	The state of the s	FEET FROM_		LINE &	_		WEST LINE
SPUD DATE 8/13/2012	COMPLETION DATE_	10/17/2012		INITIAL PRO	DDUCTION	v	11/11/201
PERFORATIONS 9128-13457		The state of the s				The state of the s	
SHL: 100 FSL & 1980 FWL SEC 35 T2	45 R30E						
STIMULATION:							
ACID	and the transfer of the transf	m. v		4.4.1.5.4-5.7.4			
FRACTURE	See Attached						
					1		
OTENTAL (44/44/2042)	SAN DODO TAN MOSEDO	1894 DIAME	•				
Attach Copy of C-105. Attach Copy of 1	Wellbore Sketch of Com VO		CALCUL	ATION	POTEN	ITIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of 1	Wellbore Sketch of Com VO SANG	pleted Well.)	CALCUL	ATION	POTEN	ITIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of the C	VO SANS 6.8%	pleted Well.)	CALCUL	ATION	POTEN	ITIALLY PRODI	UCTIVE
Attach Copy of C-105. Attach Copy of the C	Wellbore Sketch of Com VO SANS 160 6.8%	pleted Well.)	CALCUL	ATION	POTEN	ITIALLY PRODU	UCTIVE
(Attach Copy of C-105. Attach Copy of the	VO SANG 160 6.8% 23% 65	pleted Well.)	CALCUL	ATION	POTEN	ITIALLY PRODU	UCTIVE
(Attach Copy of C-105. Attach Copy of the	Wellbore Sketch of Com VO SANK 160 6.8% 23% 65 140	pleted Well.)	CALCUL	ATION	POTEN	MALLY PRODU	UCTIVE
Area (A) proration unit size, acres Porosity (Φ), % Water saturation (Sw), % Net Thickness (H), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia	VO SANG 160 6.8% 23% 65 140 4.370	pleted Well.)	CALCUL	ATION	POTEN	ITIALLY PRODU	UCTIVE
Area (A) proration unit size, acres Porosity (Φ), % Water saturation (Sw), % Net Thickness (H), it. Temperature (T), Fahrenheit Bottom Hole pressure (P), paia Recovery factor (RF), %	Wellbore Sketch of Com VO SANK 160 6.8% 23% 65 140 4.370 12%	pleted Well.)	CALCUL	ATION	POTEN	MALLY PRODU	UCTIVE
Area (A) proration unit size, acres Porosity (Φ), % Water saturation (Sw), % Net Thickness (H), it. Temperature (T), Fahrenheit	Wellbore Sketch of Com VO SANK 160 6.8% 23% 65 140 4.370 12%	pleted Well.)	CALCUL	ATION	POTEN	ITIALLY PRODU	UCTIVE
Area (A) proration unit size, acres Porosity (Φ), % Water saturation (Sw), % Net Thickness (H), it. Temperature (T), Fahrenheit Bottom Hole pressure (P), paia Recovery factor (RF), %	Wellbore Sketch of Com VO SANK 160 6.8% 23% 65 140 4.370 12%	pleted Well.)	CALCUL	ATION	POTEN	MALLY PRODU	UCTIVE

PERFORMANCE DATA

(If sufficient history exists, attach plot of	oil production rate v ti	me.)		
CUMULATIVE PRODUCTION TO	12/31/2014	105.357 BBL ON	720,167	MCF Gas
INITIAL RATE (qi)		500 BOPD	and the same	-
ECONOMIC LIMIT (ql)		1 BOPD		
HYPERBOLIC DECLINE RATE, dy		n=1.2, d=99%/yr		-
REMAINING MCF (Q) =	<u> </u>	130	The state of the s	
ULTIMATE RECOVERABLE MBO		234		_

ECONOMIC

GROSS WELL COST \$1.469.586 (to the depth of formation completed)

COMPLETION COST \$2,189,380

GROSS TOTAL COST \$3,648,968

YEAR	GROSS OIL	SFIT NET INCOME (SM)	OPERATING COST (SM) INCL SEV & AD VAL TAX	5% NET BFIT DISCOUNTED CASH FLOW
ZERO		-		
1	26.831	2159.1	9.3	-5493.9
2	56,132	5983,6	2908.5	2936.1
3	21.048	2569.6	550,6	1618.3
4	15.989	1809.3	546.7	1064.0
5	12,268	1326.9	475.7	695.5
6	10.000	1062.0	433.9	488.6
7	8,506	895.4	406.8	362,0
8	7.429	778.6	367.3	276.1
9	6,630	696.4	373,2	217.2
10	5,970	628.8	361.4	171.1
REMAINDER	63.816	5807.2	9512.0	-248.3
TOTAL	234.619	24717.1	15966.3	2306.7

WELL IS COMMERCIAL



*(See instructions and spaces for additional data on page 2)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCO Artesia

FORM APPROVED OMB NO. 1804-0137 Expires: October 31, 2014

CARLSBAD FIELD UFFICE .

5. Lease Serial No. WELL COMPLETION OR RECOMPLETION REPORT AND LOG NMLC061705B Gas Weil Dry Other Work Over Despen Plus Back Diff. Resvr., 6. If Indian. Affolias or Tribe Name X Oil Well X New Well la. Type of Well h Type of Completion: Unit or CA Agreement Name and No. 891000303X Other: 8. Lesse Name and Well No. PLU Big Sinks 35-24-30 2. Name of Operator BOPCO, L.P. **USA 1H** 9. API Well No. 30-015-40155 3a. Phone No. (include area code) (432)683-2277 P O Box 2760 Midland TX 79707 10. Field and Pool or Exploratory 4. Location of Well (Report location clearly and in accordance with Federal requirements)* RECEIVED Wildcat: Bone Spring 11. Sec., T., R., M., on Block and At surface NENW UL C Sec. 25 T24S R30E 360' FNL 1980' FWL DEC 11, 2012 Survey or Area Sec.35 T24S R30E 12. County or Parish 13. State At top grad, interval reported below NMOCD ARTESIA NM Eddy At total depth SESW UL N Sec. 35 T24S R30E 151' FSL 1992' FWI 14. Date Spuddos 08/13/2012 15. Date T.D. Reached 09/04/2012. 17. Elevations (DF, RKB, RT, GL)*
KB 3363 16. Date Completed 10/17/2012 D&A X Ready to Pro 18. Total Depth; MD 13,597 TVD9128.31 19: Plug Back T.D.: MD 20. Depth Bridge Plug Scu TVD 22. Was well cored 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Caliper, CN, Induction Was DST run? 23. Cusing and Liner Record (Report all strings set in well) Slurry Vol. (BBL) No. of Sks. & Stage Comon Amount Pulled Size/Grade WL (#/R.) (MD) Cement Top* Type of Coment Depth Circulated. 17 1/2 13 3/8 155 48 1510 2,000 8 5/8 355 32 3843' 1,655 Circulated 5 1/2 P-110 17 13,597 4800" 77/8 1.900 Depth Set (MD) 8495' Packer Depth (MD) Depth Set (MD) | Packer Depth (MD) Packer Depth (MD) 25. Producing Intervals Perforation Record Perforated Interval Perf. Status Size No. Holes Formation 13,457 A)Bone Spring 9,128 9,128 - 13,457 Port Producing rac B) 9 Di 27. Acid, Fracture, Treatment, Cer Amount and Type of Material
121,000 gals. 100 Mesh; 323,880 gals. 20/40 Super LC; 1,354,080 Lbs. 30/50 North White Sand; 9,128 - 13,457 349 gals. 15% HCL; 10,008 gals. 20# Linear Gel; 9521 gals. 20# X Link Gel RECLAMATION 28. Production - Interval A Test Date Hours Water BBL Oil Gravity Corr. API Oil BBL Gas MCF Gravity 10/30/12 11/11/12/24 549 749 1,831 Flows from Well Tbg. Press. Csg. Flwg. Press. Oil BBL Gas MCF Water BBL Gas/Oil Choke Well Status Size Flwg. Ratio EPTED FOR RECORD 800 749 46 549 1,831 1364 28a. Production - Interval B uction Method Water BBL Oil Gravity Corr. API Test Date Hours Gasi Gravit Date First DH BBC Gas MCF Test Production Produced 8 2012 DEC The Press Csg. Flwg. Press Choke 24 Fir. Rate Gas MCF Water BBL Gas/Oil Well S BBL tatio Size BUXEAU OF LAND MANAGEMENT

	***		10,000	3.1						
8b. Produced	rest Date	rval C Hours Tested	Test Production	Dil	Gas MCP	Water BBL	Oil Gravity Corr, API	Gas Gravity	Production Method	
hoke ize	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Dit BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
Re. Prod late First roduced	rest Date	rval D Hours Tested	Test · Production	Dil BBt.	Gas MCF	Water RBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
hoke	Tbg. Press. Flwg. Si	Csg. Press.	24 Hr. Rate	Oil	Gas MCF	Water BBL	Ges/Oil Ratio	Well Status		
9. Dispo		s (Solid, upo	ed for fuel, ve	ented, etc.	, ! .			**	•	¢
Show	all important	zones of p	Include Aqui porosity and o d, cushion us	ontents t	hereof; Core	d intervals and al wing and shut-in	I drill-stem tests, pressures and	31. Forma	tion (Log) Markers	
Fon	raction .	Top	Bottem		D	scriptions, Cente	ents, etc.		Name	Top Mess, Depth
Brushy Bone S 1 st Bon Sand	are anyon Canyon Canyon Canyon Spring ne Spring				* *			The second secon		
	7.9 ppf L		plugging pro cubing.	ocedure):				*		š
33. Indie	rate which its	eme have b			a check in t	tie appropriate bo	^			
☐ Ele	ectrical/Mech	anical Logs	(I full set seq	(4.)	1	Geologic Repo	-		Directional Survey	
1			going and att anesa R. I A. R. (Espino				tory Clerk	records (see attached instructions)*	
false, fict	itious or frau	dulent state	Tide 43 U.S uments or rep	C. Secti presentati	on 1312, mai ons as to any	it a crime for a	ny person knowing jurisdiction.	ly and willfully i	o make to any department or agency	
Continue	ed on page 3							: "		(Form 3160-4, pa

RECEIVED

NOV 3 0 2012

DISTRICT | 1425 N. French Br., Mobbs, IM 88246 Faces (673) 303-4164 Fart (676) 303-6760 DISTRICT II 611 S. Freek St., Artesia, 1M 88216 Faces (673) 704-103 Fac. (675) 703-2000 DISTRICT III 1000 Rto Broane Rd., Antee, NM 57410 Phone (600) 534-6170 Feet (601) 534-6170

181.45

State of New Mexico NMOCD ARTESIA

Porra C-108

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

DISTRICT IV AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT (our loc change) WILDCAT; G -O6 \$243026M; BONE SPRING API Number Poel Code 97798 30-015-40155 Well Numbe Property Code Property Name 1H 39512 PLU BIG SINKS 35 24 30 USA Operator Hame Elevation OGRID No. 3346 147179 CHESAPEAKE OPERATING CO. Surface Location Ul. or lot No. Section Lot 14n. Feel from the | North/South line Feet from the 1980 WEST EDDY C 35 24 S 30 E 360 NORTH Bottom Hole Location if Different From Surface Section Lot fdn | Feet from the | North/South line Feet from the Seet/West line County UL of lot No. Township Range EDOY WEST 24 S 30 E 100 SOUTH 1980 35 Consolidation Code Dedicated Acres Joint or Infill 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

1980*	3345.6' 3349.5'	7 SURFACE LOCATION Let - N 32.180642570' Leng - W 103.855872648' NMSPCE - N 429783.024 (NAD-83) Let - N 32.180518866' Leng - W 103.853389175' NMSPCE - N 429724.450 (NAD-27)	OPERATOR CERTIFICATION I hereby certify that the information assistined haroin is true and complete to the best of my knowledge and belief, and that 'this ageomization other owns a unseking inforcet or unleased mineral deterrat in the land including the proposed bettom hote location or has a right to drill this work at this location pursuend to a contract with an owner of such a mineral or unstring inforest, or to a voluntery pooling agreement or a compository pooling order heretaford entered by the distance.
Project Area	roducing Area		Signature Date Bryan Arrant Printed Name Bryan arrant@chk.com; Email Address SURVEYOR CERTIFICATION
č	25189		s havely certify that the well legation shows on this yiel was plotted from field notes of actual surveys made by me or under the supervisor, and that the mine is from and correct to the beat of my talled. Date Surflyon BEK, Signature is Sent of
1980*	Projected Penetration Form 330° FSL a 1980° FWL	PROPOSED BOTTOM ROLE LOCATION Lot - N 32.167408483* Long - W 103.853716984* INISPCE - N 424968.822 E 688742.894 (NAB-83) Lot - N 32.167284632* Long - W 103.853231975* MISPCE - N 424910.388 E 648558.787 (NAB-27)	Certificate No. Gary L. Jones 7977 BASIN SURVEYS 26749

Downhole Profile - Vertical Wells

Well Name: POKER LAKE UNIT CVX JV BS #013H (35-24-30)
Well ID: 30-015-40155
Field: Wildcat - Bone Spring
Sect: 35 Town: 24S Rng: 30E County: Eddy State: New Mexico

BOPCO, L.P. - West Texas

Ju		FRE & 1,350 PWL	Section .								
MOIN		ob, 11/18/2014 1:16:58 AM		Orig Kill Blov (It)		70 -0rd (R)	Spud Date	On Production	n Date PBTT	D (AN) (INCD)	
8 K 8	Vertical soher	notic (actual)	Column Set (actual)	3,363.00	3,348.00	17.0	NAME AND SERVICES		012		
- "		1; Tubing 1;	Description T	Wollborn Humit	Original Hele			Klek Of	Dapin (NOTE):		
	39 in; 133.00 but; J-65; 120.00	108	1		State (in)	30	Aut Top	(RCB) 17.0		Act Birm (NKB)	120.0
	Conductor Conductor	30; Conductor; 17.09-120.00			1 1 1	17 1/2		120.0 1,510.8			1,510.0
	Correct; 17.00	17 10; Surface; 120.00-1,510.00		-		7 7/0		3,843.0	-		13,597.0
	THE PERSON NAMED IN	(8)		Schemotic And		wen I			allan.		
-	1,510.00 (M.S.)			Туре	Depth (A	V-21		Annel			
	1 Comerc 17.09 /1	11; Intermediate;		Casing Strings							
-	· ····································	3,843.00	1	Conductor	W	elbora	00 (m)	WI (Ib/fi) Grade	Top Thre		(avg)
	Casing Cornerit, 17.00			Conductor Surface	Original I	Hote	13 3/0	133.06 J-66 48.00 J-66	ST-C	120.00 1,510.00	17.0
-				Intermediate	Original	Hole	8 5/8	32.00 16-58	LTAC	3,843.00	17.0
=	1 1 3,043,00 W/S 11			Production Perferations	Original i	Hole	\$ 1/2	17.00 P-110	LTEC	13,997,00	17.0
-	14 98 Cap String 10.00- 8,500.00			Perf Date		m (NG)		Zono	-	Current Status	- 3
-	YOC; 5,568.08			10/12/2012	9,128.0	19,277.0 1st	Bone Spring, O Bone Spring, O	riginal Hale riginal Hale			
-	1			10/11/2012	10,382.0	10,007.0 1st	Bone Spring, O	riginal Hole			
-		<u> </u>	BONE S	7. 10/10/2012			Sone Spring, O Sone Spring, O				
-			AVALON	7, 10/10/2012	11,972.0	12,397.9 1st	Bone Spring, O	riginal Hole			1
-				10/9/2012	13,032.0		Bono Spring, O Bono Spring, O			The same of the sa	
=			BASE O	8. Tubing Strings Toking Description	16	n Date				March 1997	
-								String Length (ft)		Dapin (Bidlig	
= :			LOWER	E. Ho.		Rem Des	-	Jis	OD (In) WE	(b/R) Grade T	ab (secs)
-	1	4		Tubing Description Tubing - Production	Pu	10/24/2	2014	String Longth (III)	8,639,01	Dapin (1995)	8,656.00
-				No.		tom Des		, An	00 (n) W	(BML) Grade 7	pp (1909)
-					D Seeting nipple	Ting		262	27/8	8.50 L-60	17.0 8,482.6
-				19-3 2-7/8" 0	D EUE and 6.5ppf N	4-80 Tubing Su			2 778	8.70 N-80	8,483.7
				10-5 GE YO 1	harge 750 409 (134 stg) p	ownp:			1		8,487.7 8,488.4
-				19-8 GE TO 1	750 400 (124 stg) p	NITTO					8,510.7
-	1 1				750 400 (116 stg) po 750 400 (65 stg) pu				1 1	1 1	8,553.0
-				10-9 GE TO 3	000 400 (66 stg) put s-2 Gas Separator			1	4		8,506.3
1				10-11 TRAAR	Augo-2						8,580.2
-	- 1				S-STOLAL HL-HT H			1	3.87		8,589.7 8,584.8
-1:		M.		10-14 MOTOR	EST 79-97 STS VOL	TEV 53 AMPS			3.57		8,590.0
-	1			10-15 MOTOR 10-16 MOTOR	EST 75HP/ 978 VOL ASSY STL	TSI 53 AMPS		1 :	3.57		8,624.9
			1	10-17 OSIRIS	NO SMESS ET				3.57		6,662.2
				Other Dewnho	le Equipment	Dea		1 00 4-1			
-				11/4/2014	M SS Cap Siring	-		OD (in)	4 100 (to	10.00	8,560.00
	1 1			Cement							
-				String: Conducto	ment , 8/1/2012 r, 120.00KB		Compat Eve	uellen floouitst			
				Singe Humber	Rage Top (NG)	Stage Bollo	m (NUCL) Vol C	amont Ret (bbit)	Top Measurem Circulated	ent Mulhod	
-				Load	Fluid		Armount (modes)	Class	Done (Ib/gal	Yield (R	
				Tait				5 Pez 35/65 26 Pez 50/50		12.40	1,28
-				Surface Casin	Coment, 8/15	5/2012					
				String; Surious, 1 Stage Number 5	Lage Top (fixis)	Stage Bolice	en (RIKZH) Vol C	ement Ret (bbf)	Top Messurem	ent Melhod	
=		10; Tubing-	BASE O	4	Phild	A CONTRACTOR OF THE PARTY OF TH	1,510.0	135.0	Circulated Done (th/gal		Mage 1
		10; Tubing- Productor; 2 7/0; 16.90- 8,656.00		Lond			1,8	0 C		100	-
		7 7/9;		Intermediate C	coing Coment,	8/19/2012					
-	-1 3	3,843.00-		String: Intermedi Stage Number 1	do, 2,843,000408 Impo Top (FKS)		Coment Eve	union Resulte:	Year U.S.		
-		13,897.00 Frac Part			17.	d Seedle		50.0	Top Measurem Circulated		
		Frac Purt 9,128.00- 9,747.00; 90/13/2011		Load	Fluid	1	Amount (secto)	Cleos 15 C	Done (th/gal) Yeard (III	Neosk)
-	ROF: 8,765,563	10/12/2012 Frac Port 8.652.60-		Tall Brechvetten Co	alon Committee		3	10			
	1	10,277,00;	1ST 80	String: Production Ca String: Production Stage Number 13	sing Coment , 1 n, 13,667.50m/s	12 marze 12	Coment Eval	uation Resulte: lement Ret (bbil)			
-	1	Frac Port		Stage Number 3	Rage Top (1909) 5,050.	Stage Sotte	13,597.0	ement Ret (bill)	Top Measurem Cement Bond L	ent Method	
_ :	1	10,807,00:									
-	1 16	Fran Port 10,912.00-									
-	1	11,367,00;									
-		Sean Part									
= :		11,642,00- 11,867,00; 10/10/2012									
-	-	Frac Port 11,972.00-									
-		12,397.00;									
	4	Prac Port									
-1:		12,502,00- 12,927,00; 10/9/2012									
		10/8/2012 Free Pert 13,032,00-									
-	5 1/2 m; 17.00	13,632,00- 12,467,00; 10/9/2012									
	13 007 00 007	1									
-	Production Casing Corners 8,650.00	TD - Original									
-	6,050.00	TD - Original Hole; 13,597.00									

*

Schematic - Vertical Production

Well Name: POKER LAKE UNIT CVX JV BS #013H (35-24-30)

BOPCO, L.P. - West Texas

Well ID: 30-015-40155

Field: Wildcat - Bone Spring Sect; 35 Town: 24S Rng; 30E Eddy Co., State: New Mexico

Blk: Survey

