

BOPCO, L.P.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131

817/390-8400

September 23, 2015

FEDERAL EXPRESS

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 #019H (1-25-30) 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 in 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:
		\$ S



INTER-OFFICE MEMORANDUM



TO:

Ross Sutton

FROM:

Bryce Bezant

DATE:

8/26/2015

RE:

Commercial Determination

PLU CVX JV Big Sinks #019H (1-25-30) 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 #019H was drilled in 2013 to a total depth of 13,996' laterally completed in the 1st Bone Spring Shale reservoir. The well is producing from perforations 9,611'-13,938'. On test 8/18/2013 the well flowed at the rate of 119 BOPD, 213 MCFD, and 982 BWPD. This well has an expected recovery of approximately 81 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 #019H will not be a commercial well and should not be incorporated into a participating area.

. Bryce Bezant, P.E.

RBB/tah

Cc:

Travis Mears Tom McCarthy Steve Johnson

ECONOMIC PROJECTION

Date:

9/4/2015

Lior: 1004618

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

All cases

Case Type: LEASE CASE Archive Set:

NS0115

As Of Date: 01/01/2013 Discount Rate (%):5.00

1004618/PLU CVX JV BS/019H/1ST

Lease Name: 1004618/PLU CVX JV BS/019H/1ST

Reserv Cat.: Proved Producing
Field: WILDCAT G-06 S2530020;BONE SPRING
Operator: BOPCO

10:48:54AM

Cum Oil (mbbls Cum Gas (mmc				Risk: 0.000 I	nherited/ 0.000 Con	Reservoir: BONICo., State: EDD	E SPRING		
	Gros	s Wet Productio	on	Gross Dry Gas &	k NGL		Sales		
Year	Oil (Mbbl)		et Gas (MCF)	Dry Gas (MMCF)	NGL (MGal)	Oil (Mbbl)	Gas (MMCF)	NGL (MGal)	
2013 2014 2015 2016 2017 2018	2	7.708 1.804 3.138 8.615 6.510 5.294	19.095 69.020 55.579 37.097 27.773 22.250	10.670 38.568 31.058 20.730 15.519 12.434	54.803 186.205 159.512 106.468 79.707 63.859	7.199 20.365 12.271 8.047 6.081 4.945	9.966 36.023 29.008 19.362 14.495 11.613	51.18 173.91 148.98 99.44 74.44 59.64	5 84 41 47
Rem Fotal Jlt.	6	0.000 3.069 3.069	0.000 230.814 230.814	0.000 128.979	0.000 650.553	0.000 58.907	0.000 120.466	0.00 607.61	
Year		Oil	Average Price Gas	NGL	Oil	Net Revenu Gas	NGL	Total	
		\$/BBL	\$/MCF	\$/Gal	(M\$)	(M\$)	(M\$)	(M\$)	_
2013 2014 2015 2016 2017 2018		96.96 88.62 45.92 42.83 47.35 50.52	3.43 4.13 2.73 2.92 3.08 3.16	0.75 0.76 0.41 0.38 0.38 0.38	698.067 1,804.665 563.440 344.648 287.900 249.810	34.208 148.937 79.056 56.530 44.689 36.703	38.389 131.710 60.561 38.035 28.475 22.813	770.66 2,085.31 703.05 439.21 361.06 309.32	12 57 13
Rem Total		. 0.00 67.03	0.00 3.32	0.00 0.53	0.000 3,948.531	0.000 400.123	0.000 319.984	0.00 4,668.63	
						Future N	et Revenue		
Year	Total Sev Taxes (M\$)	Expenditure: 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\$)	
1013 1014 1015 1016 1017 1018	62.582 170.013 57.679 36.092 29.634 25.362	2.685 7.258 2.442 1.525 1.255 1.076	250.00 0.00 0.00 0.00	0 2,139.876 0 371.541 0 313.432 0 284.117	-481.834 271.395 88.163 46.058	-5,308.770 -5,790.604 -5,519.209 -5,431.046 -5,384.987 -5,368.854	-5,226.299 -443.833 241.665 74.499 37.083 12.410	-5,226.2 -5,670.1 -5,428.4 -5,353.9 -5,316.8 -5,304.4	32 .67 .67 .85
lem Гotal	0.000 381.362	0.000 16.241			0.000 -5,368.854	0.000 -5,368.854	0.000 -5,304.475	0.0 -5,304.4	
(alan Dhara		Coo		Working l	Int ·	1.00000000	Pr	esent Worth Pi	rofile (M\$)
fajor Phase : erfs : itial Rate : bandonment : itial Decline : eg Ratio : nd Ratio :		1.68 mmo 70.00 % ye 0.31 bbl/s 0.24 Work Reve	mmcf ing Interest: 1.	Revenue Disc. Initi	Int: (al Invest. (m\$): OR (%): ment (disc/undisc):	0.93400000 5.773.211 >1000.0 0.08 / 0.09 0.00 12/31/2018		5.00%: 9.00%: 10.00%: 12.00%: 15.00%: 20.00%: 40.00%: 50.00%: 60.00%:	-5,304.48 -5,252.71 -5,239.80 -5,214.07 -5,175.77 -5,112.99 -4,992.42 -4,879.42 -4,774.15 -4,676.25

BEPCO Detailed WTD V9

Ver: 9/4/2015

1004618/PLU CVX JV BS/019H/1ST

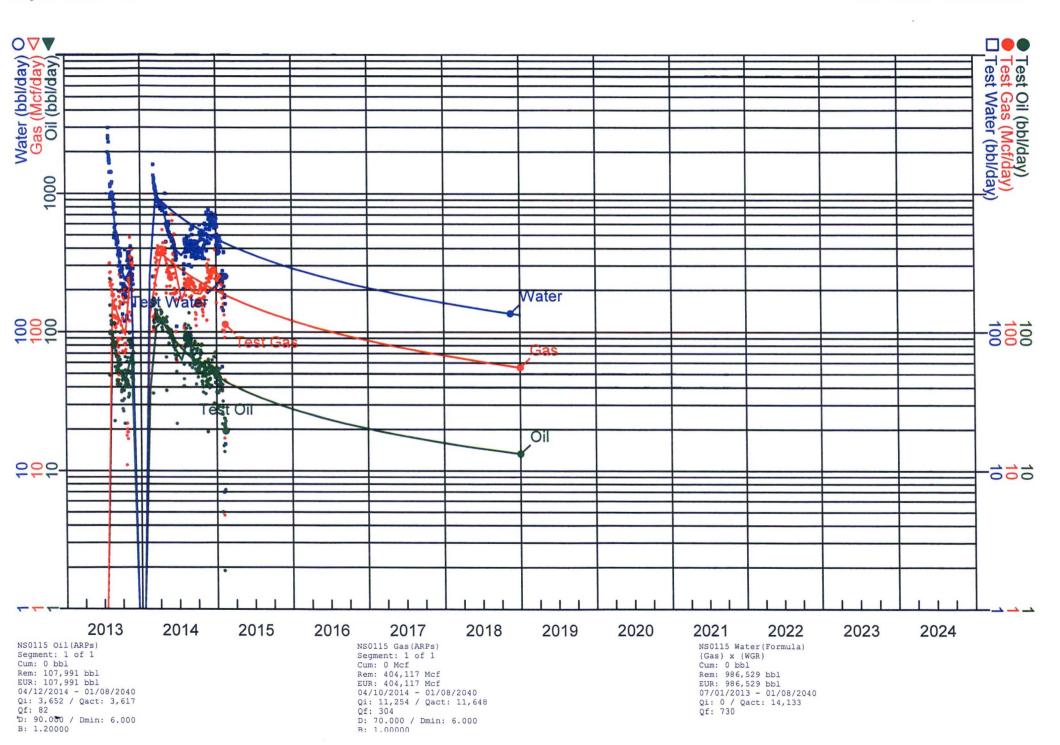
Oper: BOPCO

Major Phase: Gas

Field: WILDCAT G-06 S2530020; BONE SPRING

EDDY, NM

ECL Date: 12/31/2018



WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL PLU CVX J	V BIG SINKS #019H (1-25-30)	FORMATIONBO	ONE SPRING
OCATIONUNI	T,150_ FEET FROMSOUTH	_ LINE & FEET	FROM <u>WEST</u> LINE
SECTION1TOWNSHIP28	S RANGE 30E COUNTY	Eddy	, NEW MEXICO
SPUD DATE <u>5/6/2013</u> CC	DMPLETION DATE 7/20/2013	INITIAL PRODUCTION	7/30/2013
ERFORATIONS8439-13996			
HL: 344' FNL & 1961' FWL SEC 1 T25S F	R30E		
TIMULATION:			
ACID			
FRACTURE See	Attached		
POTENTIAL(8/18/2013): 119 B	BOPD, 213 MCFPD, 982 BWPD		
POTENTIAL (8/18/2013): 119 PATENTIAL (8/18/2013)			
	lbore Sketch of Completed Well.)	ATION	
		ATION	
	lbore Sketch of Completed Well.) VOLUMETRIC CALCULA	ATION POTENTIALLY	PRODUCTIVE
Attach Copy of C-105. Attach Copy of Wel	lbore Sketch of Completed Well.)		PRODUCTIVE
Attach Copy of C-105. Attach Copy of Wel	Ibore Sketch of Completed Well.) VOLUMETRIC CALCULA SANDS PERFORATED		PRODUCTIVE
Attach Copy of C-105. Attach Copy of Wel Area (A) proration unit size, acres Porosity (Φ), %	VOLUMETRIC CALCULA SANDS PERFORATED 160		PRODUCTIVE
Attach Copy of C-105. Attach Copy of Wel Area (A) proration unit size, acres Porosity (Φ), % Vater saturation (Sw), %	VOLUMETRIC CALCULA SANDS PERFORATED 160 8.8%		PRODUCTIVE
Attach Copy of C-105. Attach Copy of Wel Area (A) proration unit size, acres Porosity (Φ), % Vater saturation (Sw), % Let Thickness (H), ft.	SANDS PERFORATED 160 8.8% 23%		PRODUCTIVE
Attach Copy of C-105. Attach Copy of Wel Area (A) proration unit size, acres Porosity (Φ), % Vater saturation (Sw), % Het Thickness (H), ft. Temperature (T), Fahrenheit	SANDS PERFORATED 160 8.8% 23% 65		PRODUCTIVE
	SANDS PERFORATED 160 8.8% 23% 65 140		PRODUCTIVE

PERFORMANCE DATA

(If sufficient history exists, attach plot of c	oil production rate v ti	me.)			
CUMULATIVE PRODUCTION TO _	7/31/2015	34,842	BBL Oil	114,150	MCF G
INITIAL RATE (qi)		120	BOPD		_
ECONOMIC LIMIT (ql)	_	2 E	OPD	0	
HYPERBOLIC DECLINE RATE, dy		n =1.2, o	d = 90%/yr		-
REMAINING MBO (Q) =			28		-:
ULTIMATE RECOVERABLE MBO			63		
(Attach plat showing proration unit and pa	articipating area.)				

ECONOMIC

GROSS WELL COST \$2,253,671 (to the depth of formation completed)

COMPLETION COST \$3,380,506

GROSS TOTAL COST \$5,634,177

YEAR	GROSS OIL MBO	BFIT NET INCOME (\$M)	OPERATING COST (\$M) INCL SEV & AD VAL TAX	5% NET BFIT DISCOUNTED CASH FLOW
ZERO				
1	7.708	770.7	445.3	-5226.3
2	21.804	2085.3	2317.2	-443.8
3	13.138	703.1	431.7	241.7
4	8.615	439.2	351.0	74.5
5	6.510	361.1	315.0	37.1
6	5.294	309.3	293.2	12.4
7			0.0	
8			0.0	
9			0.0	
10			0.0	
REMAINDER			0.0	
TOTAL	63.069	4668.6	4153.3	-5304.5

WELL IS NOT COMMERCIAL

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED
Artesia
AUG 2 0 2013

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

	WELL	COMPI	LETION (OR RE	COMPL	ETION	REPOR	TAND	Mecd	ART	EG	gae Serial	No. 1456	
la. Type of	_	Oil Wel	Gas New Well	Well Wor	Dry	Othe		ug Back	☐ Diff. R	acur	6. If	Indian, Al	lottee or	Tribe Name
b. Type of	Completion	2.00	er	□ wor	K Over		n 🔲 ri	ug back	Ditt. K	esvi.	7. U	nit or CA 2	Agreeme 3X	nt Name and No.
2. Name of BOPCO	Operator LP		E	-Mail: tj	Conta cherry@ba		IE J CHEI	RRY				ease Name		l No. 25 30 USA 1H
3. Address	MIDLAND	, TX 79	702				3a. Phone : Ph: 432-2	No. (includ 21-7379	e area code)		9. A	PI Well No		5-40766-00-S1
4. Location								ts)*			10. I	Field and P	ool, or E 3253002	xploratory O
At top pr			. 1980FWL pelow SES					at 103 836	6142 W Lo	n	11. 5	Sec., T., R. r Area Se	, M., or I ec 1 T25	Block and Survey S R30E Mer NMP
At total o			NL 1961FV		OL 10021	WE 02.1	<i>527 17 14 L</i>	at, 100.00	0 142 W LO			County or I	Parish	13. State NM
14. Date Spi 05/06/20	udded			ate T.D. 1 5/24/2013			DD	te Complet & A 🔯 20/2013	ed Ready to P	rod.	17. I	Elevations 33	(DF, KB 62 GL	, RT, GL)*
18. Total Do	epth:	MD TVD	1399 9307	6	19. Plug B	ack T.D.:				20. Dep	th Bri	dge Plug S		1D VD
21. Type Ele CALIPE	ectric & Oth R RESISTI			un (Subn PECTRA	nit copy of o	each)				vell cored OST run?		⊠ No ⊠ No □ No	Yes ((Submit analysis) (Submit analysis) (Submit analysis)
23. Casing and	d Liner Reco	ord (Repo	ort all strings	set in we	ell)									
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD			ge Cement Depth		of Sks. & of Cement	Slurry (BB	*********	Cement	Top*	Amount Pulled
17.500		75 J-55	61.0		0	972			1010				0	
7.875		25 J-55 CP-110	32.0 17.0		0 4074		5007		. 1375		- {		836	
						\dashv		+						
24. Tubing I	Record													
2.875	Depth Set (N	D) P	acker Depth	(MD)	Size	Depth Se	t (MD)	Packer De	pth (MD)	Size	De	pth Set (M	D) P	acker Depth (MD)
25. Producin						26. Per	foration Re	cord						
	mation	DINIC	Тор	8439	Bottom 13996		Perforate	d Interval 9611 TC	12020	Size 0.57	_	lo. Holes	OPEN	Perf. Status
A) B)	BONE SPI	RING		8439	13996			961110	13930	0.57	0	210	OPEN	
C)														
D)				- Fr										
27. Acid, Fra	epth Interva		nent Squeeze	e, Etc.				Amount and	Type of Ma	aterial				
			938 FRAC U	SING 525	04 BBLS F	_UID, 249	7078# SAN	D ACROSS	9 STAGES					
			-											
28. Productio	n - Interval	A												
	est Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL		Gravity . API	Gas Gravity	r	Production	on Method		
07/30/2013	08/18/2013	24		119.0	213.0		2.0	41.1		1 111	ME	LECTRIC	PUMP SU	UB-SURFACE OD
	lwg.	Csg. Press.	24 Hr. Rate	Oil BBL 119	Gas MCF 213	Water BBL 9	Gas: Ratio		Well Sta	1,10	JŪL T	.	110	
28a. Producti	on - Interval	В									7			
		Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil C Corr	Gravity API	Gas Gravity	F	roductio	n MetAUG	18	2013
	lwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Ratio		Well Sta	lus	BUR	EAU OF	LAND	MANAGEMENT
See Instruction									uomn	1/				D OFFICE
LECTRONI	C SUBMIS	SION #2 M REV	17036 VERI 'ISED ** E	FIED BY	THE BL	M WELI	INFORM REVIS	ATION SY ED ** B	YSTEM LM REVI	SED.*	BL	M REVI	SED **	*

RECLAMATION DUE 1-20-14

an

28b. Pro	duction - Interv	al C									
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity Corr. API	Gas Gravi		Production Method	
Produced	Date	Tested	Production	BBL	MCF	BBL	Con. Art	Glavi	ıy		
Choke Size	Tbg. Press. Flwg. S1	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well 3	Status		
28c. Prod	duction - Interv	al D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravit	ly	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press,	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well	Status		
	osition of Gas(S	Sold, used f	or fuel, vent	ed, etc.)							
SOL 30 Sum	mary of Porous	Zones (Inc	lude Aquife	re).					31 For	mation (Log) Markers	
Show tests,	all important	zones of po	rosity and c	ontents there	e tool open,	ntervals and all flowing and sh	drill-stem nut-in pressures			,	
Formation Top Bottom						Descriptions	, Contents, etc.			Name	Top Meas. Depth
32. Addi	tional remarks LEASE HOLL	(include plu) COMPLE	igging proce	edure): NFIDENTI <i>l</i>	\L***			-	BA: DE BE: CH BR	STLER SE OF SALT LAWARE LL CANYON ERRY CANYON USHY CANYON NE SPRING	854 3815 4071 4099 5043 6302 7941
	e enclosed attac								DCTD	4. 8	
	ectrical/Mecha indry Notice fo	_		- 101 101 101		2. Geologic Re 6. Core Analys	7		DST Rep Other:	port 4. Dire	ectional Survey
34. I here	by certify that		Electr	onic Submi	ission #2170	36 Verified b	et as determined y the BLM We t to the Carlsba DICKERSON	ll Inform	ation Sys		uctions):
Name	e (please print)							GULATO			
Signa	iture	(Electronic	c Submissi	on)			Date <u>08/</u>	14/2013			
	J.S.C. Section										

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

District 1

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

. Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED	REPORT
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WELL LOCATION AND ACREAGE DEDICATION PLAT

1220 S. St. Francis Dr. Phone: (505) 476-3460		5-3462	ELL LO	CATION	N AND ACRI	EAGE DEDIC	CATION PLA	$_{\mathrm{T}}$ If a	tire afor	
1,	API Number		1	² Pool Code						
30-	-015-4076	66		97913		WC	G-06 S253002O;	Bone Spring		
⁴ Property (Code				5 Property Na	ame		^ Wo	ell Number	
31321	3			. P	oker Lake Unit C	CVX JV BS			19H	
'OGRID					* Operator Na	ame		91	Elevation	
26073	7			BOPCO, LP 3362						
_					" Surface L	ocation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Ν .	1	25S	30E		150	South	1980	West	. Eddy	
			" Bot	tom Hole	Location If I	Different Fron	n Surface	•		
UL or lot no.	Section	Township	. Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
С	1	25S	30E		344	North	1961	West	Eddy	
Dedicated Acres	¹³ Joint or	Infill HC	onsolidation (Code 15 Oro	der 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.

16	1		"OPERATOR CERTIFICATION
	344		I hereby certify that the information contained herein is true and complete to the
10/11			hest of my knowledge and helief, and that this organization either owns a
1961	BHL		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
	1		voluntary pooling agreement or a compulsory pooling order heretofore entered
			by the division.
	1	(Travial 101 /101/14
			Signature Date
	ļ		Segment O
	i		Tracie J Cherry
	1		Printed Name
			ticherry@basspet.com
			E-mail Address
			*SURVEYOR CERTIFICATION
	.1.		I hereby certify that the well location shown on this plat was
	1		plotted from field notes of actual surveys made by me or under
	1		my supervision, and that the same is true and correct to the
	i		best of my belief.
	1		Date of Survey
			Signature and Seal of Professional Surveyor:
	1		
8			
1980'	SHL		
1700			Certificate Number
	150		

*

Downhole Profile - Vertical Wells

Well Name: POKER LAKE UNIT CVX JV BS #019H (01-25-30)

BOPCO, L.P. - West Texas Well ID: 30-015-40766

Field: Wildcat - Bone Spring

Sect: 1 Town: 25S Rng: 30E County: Eddy State: New Mexico

Surface Location: 150' FSL & 1980' FWL, Sec 1, T25S-R30E

Surface Location: 150' FSL & 1980' FWL, Sec 1, T25S-R30E																
MD	In	Horizontal - Original Hole, 5/10	6/2015 1:19:57 AM			Well Info	ormation lev (ft) Gr Elev	(ft) I	KB-Grd (ft)) Spud Date	Į O	n Productio	n Date	PBTD (All) (ftKB)	
(ftK B)	cl (°)	Vertical schematic (ad	ctual)	Column I			3,379.00	3,358.00		1.00 5/6/2		8/1/20				
	.,			Descript	То		Name: Original	Hole	_			Kick Off	Depth (f		u- mun	
p	67		AND STREET, ST	1	П		Size (in)		24	ACI I	op (ftKB)	21.0		ACI E	Bim (ftKB)	141.0
-	::	20 in; 90.00 lb/ft; F-25; 140.00			П			1	7 1/2 11			141.0 973.0				973.0 4, 093.0
-	**	Conductor	24; Conductor; 21.00-141.00		П	Cahama	tic Annotation		7 7/8			4,093.0				13,996.0
-		Cement; 21.00; 44.000	17 1/2; Surface;				Type	Depth (ftk	(B)			Annota	ition			
-	1.0	13 3/8 in; 61.00 lb/ft; J-55; 972.00	141.00-973.00 —	RUSTLER	85	Casing S	Strings			*4		-	-			
	.,	ftKB Surface Casing			П		Osg Des	Wei	Ibore	OD (in)	Wt (lb/ft)	Grade	То	p Thread	Sel @ (ftK	Top (ftKB)
-	**	Cernent; 21.00;				Conductor Surface		Original He		20 13 3/8			Butti	ress	140.0 972.0	
1,544		TOC @; 3,070.00; 6/1/2013	11; Intermediate;	SALADO	1,2	Intermedia		Original Ho	ole	8 5/8	32.00	J-55	LT&	С	4,074.0	00 21.0
Lenn		8 5/8 in; 32.00 lb/ft; J-55;	973.00-4,093.00	BASE O	3,8	Production Perforati		Original Ho	ole	5 1/2	17.00	HCP-110	Butti	ress	13,995.0	00 21.0
SATE AND I	28	4,074.00 ftKB Intermediate			П	Perf Da 6/17/2013			(fiKB) 9,963.0 1s	st Bone Spring, (Zone Original Hole		Active (9,728.0 - 9,	rent Status 729.0)	
100)	12	Casing Cement; 21.00; 4,074.00		LAMAR	4,0	6/17/2013 6/17/2013	10,0	79.0	0,431.0 1	st Bone Spring, o	Original Hole			10,430.0 - 1 10,814.0 - 1		
ons	11	1/4 SS Cap String; 20.00- 8,835.00		Dunat	1,0	6/17/2013	11,0	81.0	1,433.0 1	st Bone Spring, (Original Hole		Active (11,081.0 - 1	11,082.0)	
4001	24	DVT @: 5,005.60;			П	6/17/2013 6/17/2013				st Bone Spring, (st Bone Spring, (11,816.0 - 1 12,083.0 - 1		
	24	5/31/2013 Production		BELL C	4,0	6/17/2013 6/17/2013				st Bone Spring, (st Bone Spring, (12,818.0 - 1 13,436.0 - 1		
	"	Casing Cement; 3,070.00;			П	6/17/2013	13,5			st Bone Spring, (13,586.0 - 1		
4801		5,007.00		THE RESERVE AND ADDRESS OF THE PARTY OF THE	5,0	Tubing S Tubing Des	scription	Run		2/2044	String Lengt	th (ft)	0.00	Set Dept	h (ftKB)	0 005 40
tan 1	.,			BRUSH SHELL	6,3 6,9	No.	4		Item Des			Jts	8,864.4 OD (in)	Wt (lb/ft)	Grade	8,885.48 Top (ftKB)
UNI	17			т	7,2		7/8" EUE 8rd 6.5 7/8" Standard S)		272	2 7/8 2 7/8	6.50	L-80	21.0 8,795.2
1,000	"			LOWER TOP BO	7,6	4-3 2-	7/8" x 4' EUE 8r	d 6.5 ppf N-	30 Tbg Sul			1	2 7/8		N-80	8,796.3 8,800.3
	"					4-5 H	AL400-330 CMP	(132 stage)				1	4			8,811.5 8,822.2
4.744							AL400-330 CMP take/ GS/SC Put		GSR-RTBI	D-CMP/GP4-TBD	D-CMP	1	4			8,835.7
6793 6761	1.0	8					ual Seal (SEAL) 75-Motor -60 HP	(Rerated 80h	p)			1 1	3 3/4			8,849.6 8,861.3
	18					4-10 50	0670 Sensor (Inc	luded w/ mt				1	3 3/4			8,882.2
					П	Run Dal			Des			OD (in)		op (fIKB)		n (ftKB)
tan)	13	i i				7/23/2014 Rod Strin	1/4 SS Ca	String				1/4		20.0	00	8,835.00
Mari	9					Rod Descrip	ption	Run I	Date 12/2	2/2013	String Lengt	h (ft)	8,758.9	Set Depti	h (ftKB)	8,779.90
MO:	12	% = 8				Item#	1/2" X 26' polish	ad rad	Item Des			Jts		Wt (lb/ft)	Grade	Top (ftKB) 21.0
	12		4; Tubing -			1-2 7/1	8" x 25' Tenaris I	MMS Steel s				153	7/8	0.00	D 97	47.0
	1.1		Production; 2 7/8; 21.00- 8,885.48				4" x 25' Tenaris I 8" x 25' Tenaris					124 61	3/4 5/8		D 97 D 97	3,872.0 6,972.0
6861 6863	1.1		7 7/8; Production;				8" x1-5/8" x14' N 5/8" x 25' API C		ony Rod v	w/ guides		10	5/8 1 5/8		D 97	8,497.0 8,505.9
	13		4,093.00- 13,996.00			1-7 2-	-1/2" x 1-3/4" x 2		R- Panace	ea		1	2 1/2			8,755.9
\$100.2	2.7	1	Perforated; 9,611.00- 9,963.00;			Conducto	or Cement , 4	/22/2013								
			9,963.00, 6/17/2013 Perforated;				nductor, 140.00f		Stage Bott	Cement Eva	Iuation Resul Cement Ret (b		op Meas	urement Me	ethod	
	12.1	1	10,079.00- 10,431.00;			Surface (1 Casing Ceme	21.0 nt 5/9/20	13	140.0						
MITT MICH		3 1-	6/17/2013 Perforated;			String: Sur	face, 972.00ftKE			Cement Eva	luation Resul		on Meas	urement Me	ethod	
-	10.1 10.7	3 1-	10,580.00- 10,932.00; 6/17/2013			Stage Numi	1	21.0	011	972.0 Amount (sacks)		121.0 C	irculated	1		(t³/sack)
	***	1	Perforated; 11,081.00-			Lead	Fluid		+	7	10 C	5	Della (i	13.50	rieid (1.74
1001			11,433.00; 6/17/2013			Tail Intermedi	iate Casing C	ement, 5	/13/2013		00 C			14.80		1.33
1,611			Perforated; 11,582.00- [11,934.00;			String: Inte	ermediate, 4,074. ber Stage Top	00ftKB		Cement Eva	luation Resul	bl) T	op Meas	urement Me	ethod	
1,001			6/17/2013 Perforated;				1 Fluid	21.0		4,074.0 Amount (sacks)	Clas	121.0 C	irculated Dens (I			ft³/sack)
			12,083.00- 12,435.00;			Lead Tail				1,1	25 C 50 C			12.90 14.80		1.92 1.32
441		3 H	6/17/2013 Perforated;			Productio	on Casing Ce		/2013							
1,881			12,584.00- 12,936.00; 6/17/2013				ber Stage Top	(ftKB)	Stage Botte	tom (ftKB) Vol (luation Resul Cement Ret (bl	bl) To		urement Me	ethod	
CM1	80.4 81.7						1 Fluid	5,007.0		13,995.0 Amount (sacks)	Clas		Dens (I	b/gal)	Yield ((³/sack)
CALL	***	d h				Lead Tail				6	50 H 50 H			12.90 13.00		1.92 1.48
15,001	81.2		Perforated;			Stage Numb	ber Stage Top	(ftKB) 3,070.0	Stage Botto	tom (ftKB) Vol 0 5,007.0			op Meast emperatu	urement Me	thod	
10m1	83.8		13,085.00- 13,437.00; 6/17/2013		1		Fluid	3,070.0	T	Amount (sacks)	Clas	s	Dens (II	b/gal)	Yield ((*/sack) 1.91
MARK MARK	***		0/1//2013			Lead Tail					00 35/65 Poz 00 C			12.90 14.80		1.32
12.00.0	12.4															
·Lan	12.0	e de la constante de la consta														
efen:	12.0		Perforated;													
12461	97 A 82 4		_13,586.00- 13,938.00;													
Speni	117	A 61	6/17/2013													
	13,7	5 1/2 in; 17.00														
-	0.7 0.7	Ib/ft; HCP-110; 13,995.00 ftKB														
0.001 0.001	13.7 13.7	Production Casing Cement; 5,007.00;	_TD - Original													
1,000	117	13,995.00	Hole; 13,996.00													

Schematic - Vertical Production

Well Name: POKER LAKE UNIT CVX JV BS #019H (01-25-30)

Field: Wildcat - Bone Spring

Well ID: 30-015-40766 Sect: 1 Town: 25S Rng: 30E Eddy Co., State: New Mexico

BOPCO, L.P. - West Texas

Blk: Survey:

Most Recent Job 6/25/2014 7/24/2014 Sub Pump Maintenance Horizontal - Original Hole, 5/16/2015 1:19:59 AM Column list (actual) MD (ftKB) Incl (°) Top (... 20.0 0.2 24.3 0.2 39.4 0.4 20 in: 90.00 lb/ft; F-25; 140.00 ftKB-Conductor Cement; 21.00; 140.00 24; Conductor; 21.00-141.00 140.1 1.0 17 1/2; Surface; 141.00-973.00 RUSTLER 854.00 926.8 0.7 13 3/8 in; 61.00 lb/ft; J-55; 972.00 ftKB-Surface Casing Cement; 21.00; 972.00 0.4 972 1 1,217. SALADO 1.216.9 0.6 11; Intermediate; 973.00-4,093.00 TOC @; 3.070.00; 6/1/2013 3,815. BASE OF SALT 3,815.0 1.9 4,071. 4,070.9 2.3 8 5/8 in; 32.00 lb/ft; J-55; 4,074.00 ftKB-Intermediate Casing Cement; 21.00; 4,074.00 4.074.1 2.3 1/4 SS Cap String; 20.00-8,835.00-DVT @; 5,005.60; 5/31/2013 BELL CANYON 4,099. 4.099.1 24 Production Casing Cement; 3,070.00; 5,006.9 0.8 CHERRY CANYON 5,043. 5.043.0 0.8 BRUSHY CANYON SHELL ZONE 6 302 0.7 6,967.8 7.297 0.9 7,296.9 OWER BRUSHY CA. 7.689 TOP BONE SPRING 7 941 7,940.9 8,505.9 0.8 8 779 9 15 8,785,1 1.5 8,796.3 1.4 8,804.5 8,822.2 1.2 8 826 1 1.2 1.2 8.828.7 8,835.0 1.1 8,835.6 1.1 8,861.2 3.7 4; Tubing - Production; 2 7/8; 21.00-8,885.48 8.885.5 6.9 -7 7/8; Production; 4,093.00-13,996.00 8.966.9 12.1 Perforated; 9,611.00-9,963.00; 6/17/2013 9,962.9 89.9 Perforated; 10,079.00-10,431.00; 6/17/2013 Perforated; 10,580.00-10,932.00; 6/17/2013 10,932.1 90.8 Perforated; 11,081.00-11,433.00; 6/17/2013 11,433.1 90.6 Perforated; 11,582.00-11,934.00; 6/17/2013 11,748.0 89.4 11,934.1 Perforated; 12,083.00-12,435.00; 6/17/2013 12,435.0 90.4 Perforated; 12,584.00-12,936.00; 6/17/2013 12,936.0 90.4 13.085.0 89.2 13,086.9 89.2 Perforated; 13,085.00-13,437.00; 13,204.1 91.2 6/17/2013 13,320.9 13,586.9 92.6 13,704.1 92.6 Perforated; 13,586.00-13,938.00; 6/17/2013 13,820.9 93.4 13.938.0 93.7 13,948.8 93.7 5 1/2 in; 17.00 lb/ft; HCP-110; 13,995.00 ftKB 93.7 13,992.8 Production Casing Cement; 5,007.00 TD - Original Hole; 13,996.00 13,996.1 93.7