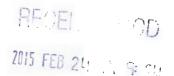
BOPCO, L.P.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131

817/390-8400

February 20, 2015



FEDERAL EXPRESS

30-015-40261

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 #014H (19-24-31)

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



INTER-OFFICE MEMORANDUM

TO:

Ross Sutton

FROM:

Bryce Bezant

DATE:

1/19/2015

RE:

Commercial Determination

PLU CVX JV Big Sinks #014H (19-24-31) 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 #014H was drilled in 2012 to a total depth of 14,240' laterally completed in the 1st Bone Spring Shale reservoir. The well is producing from perforations 9,843'-14,121'. On test 8/13/2012 the well flowed at the rate of 888 BOPD, 1573 MCFD, and 1536 BWPD. This well has an expected recovery of approximately 177 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 #014H will not be a commercial well and should not be incorporated into a participating area.

Bryce Bezant, P.E.

RBB/tah

Cc:

Andy Morrison Tom McCarthy

Steve Johnson

ECONOMIC PROJECTION

Partner:

Case Type :

1/28/2015

Lior: 1004613

Lease Name: 1004613/PLU CVX JV BS/014H/1ST

Project Name: commercial determination

All cases LEASE CASE

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

1004613/PLU CVX JV BS/014H/IST

Reserv Cat.: Proved Producing

Plobl : WILDCAT-015 G-06 S243119C; BONE S Operator : BOPCO

2:50:33PM

Reservoir: 1st BONE SPRING SHALE

Co., State : EDDY, NM

Risks 0.000 Inherited/ 0.000 Compounded

Archive Set : NS0714 Cum Oil (Mbbl): Cum Gas (MMcl): 0.00

	Gross Wet Production		Gross Dry Gas	& NGL				
Year	Oil (Mbbl)	Wet Gas (MMcf)	Dry Gas (MMcf)	NGL (Mgal)	Oil (Mbbl)	Gas (MMcf)	NGL (Mgal)	
2012	32.589	122.324	66.055	366.972	26.919	54.561	303.119	
2013	30.973	95.449	51.542	286.347	25.584	42.574	236.523	
2014	19.357	61.452	33.184	184.355	15.988	27,410	152.278	
2015	13.751	41.032	22.157	123.096	11.358	18.302	101.677	
2016	10.768	29.223	15.780	87.669	8.894	13.035	72.414	
2017	8.880	22.298	12.041	66.893	7.335	9.946	55.253	
2018	7.611	17.898	9.665	53.693	6.287	7.983	44.350	
2019	6.683	14.849	8.018	44.547	5.520	6.623	36.796	
2020	5.988	12.656	6.834	37.967	4.946	5.645	31.361	
2021	5.408	10.931	5.903	32.792	4.467	4.876	27.086	

Rem	1.481	2.914	1.573	8.741	1.223	1.300	7.220
Total	143.488	431.024	232.753	1,293.073	118.521	192.254	1,068.078
Uh	143,488	431.024					,
		Average Price			Net Rev	enue	
Year	Oil	Gas	NGL	Oil	Gas	NGL	Total
	(\$/bbl)	(\$/Mcf)	(\$/gal)	(MS)	(MS)	(M\$)	(MS)
2012	81.50	2.93	0.75	2,193.88	159.80	227.34	2,581.02
2013	87.80	3.23	0.75	2,246.27	137.41	177.39	2,561.07
2014	83.95	3.94	0.82	1,342.21	107.97	124.72	1,574.90
2015	46.20	2.84	0.44	524.69	52.00	44.70	621.38
2016	51.99	3.14		462,39	40.88	33.69	536.96
2017	55.85	3.30	0.47	409.66	32.79	25.70	468.16
2018	58.10	3.39	0.47	365.27	27.02	20.63	412.93
2019	59.43	3.47	0.47	328.04	22.98	17.12	368.14
2020	60.26	3.56	0.47	298.07	20.09	14.59	332.75
2021	60.69	3.65		271.11	17.80	12.60	301.51
Rem	60.99	3.88	0.47	74.61	5.05	3.36	83.01
Total	71,85	3.24	0.66	8.516.19	623.78	701.85	9.841.82

_		Expenditures			Future Net Revenue				
Year	Total Sev Taxes (M\$)	Total Adv Taxes (M\$)	Net Investments (M\$)	Total Net Opcosts (M\$)	Annual (MS)	Cumulative (MS)	Disc. Ann. CF 5,00 % (MS)	Cum. Disc. CF 5.00 % (MS)	
2012	161.50	7.00	6,467.58	914.27	-4,969.33	-4,969.33	-4,949.55	-4,949.55	
2013	185.54	8.08	0.00	1,113.18	1,254.28	-3,715.05	1,191.06	-3,758.49	
2014	114.43	4.97	0.00	275.25	1,180.25	-2,534.80	1,065.84	-2,692.64	
2015	45.19	1.96	0.00	285.34	288.90	-2,245.91	247.77	-2,444.88	
2016	38.97	1.69	0.00	275.74	220.55	-2,025.36	180.16	-2,264.71	
2017	33.92	1.48	0.00	270.12	162.64	-1,862.72	126.53	-2,138.18	
2018	29.89	1.30	0.00	266.54	115.20	-1,747.52	85.37	-2,052.82	
2019	26.63	1.16	0.00	264.06	76.29	-1,671.23	53.86	-1,998.96	
2026	24.05	1.05	0.00	262.28	45.36	-1,625.87	30.53	-1,968.43	
2021	21.79	0.95	0.00	260.88	17.89	-1,607.98	11.48	-1,956.95	
Rem Total	6.00	0.26 29.90	0.00 6,467.58	74.72 4,262.40	2.03 -1,605.95	2.03 -1,605.95	1.26 -1,955.69	1.26 -1,955.69	
J. P. P. S.	99.10.19		0,407.30		STATISTICS.		-1,955.09	-1,955.09	•
Maior Phase Perfs: Initial Rate: Abandonmer Initial Declin Bez Ratio: End Ratio:	nt: ne:	0.37 bbl/Me 0.51 bbl/Me	onth b = 0.800	Internal RC	tt: I Invest. (m\$): OR (%): cent (disc/undisc): vout:	1.00000000 0.82600000 6.415.091 >1000.0 0.70 / 0.75 0.00 04/16/2022	Pro	5.00%; 9.00%; 10.00%; 12.00%: 12.00%: 20.00%;	-1,955.6 -2,183.6 -2,234.8 -2,331.0 -2,461.1 -2,649.0
Forecast Star BOPCO Detail		/01/2012 Working Revenue Rev. I Ver: 1/28/201	Interest : 0.82600	00000000				30.00%: 40.00%: 50.00%: 60.00%:	-2,938.: -3,149. -3,307.: -3,430.: Page 1

100 10 10 1000 100 100 10 Water (bbl/day) ○
Gas (Mcf/day) △
Oil (bbl/day), ◀ Gas EUR: Gas Rem: Proj Gas 1000 431.02 MMcf 431.02 MMcf 2011 2012 2013 2014 Test Water 2015 2016 2017 2018 2019 Proj Oil Cum: 0.00 Oil Rem: 143.49 Oil EUR: 143.49 2021 Water 001 01 01 Test Water (bbl/day)

Test Gas (Mcf/day)

Test Oil (bbl/day) 1000 100 100 Mbb1 Mbb1 Mbb1 01

Field: WILDCAT-015 G-06 S243119C; BONE SPRING

1004613/PLU CVX JV BS/014H/1ST Oper: BOPCO

Reservoir: 1st BONE SPRING SHALE

ECL Date: 04/16/2022

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

VELL PLU CVX J	V BIG SINKS #014H (19-24-31)	FORMATION_	BONE SE	PRING
OCATION UNI			1980 FEET FROM	WEST LINE
		1000		
SPUD DATE <u>5/17/2012</u> C			OBUCTION	5/23/2012
ERFORATIONS 9643-14121		70.7		
HL: 108 FSL & 1992 FWL SEC 19 T245	#WID			
TIMULATION:				
ACIO				and the state of the state of
FRACTURE See	Affached			
*				
				-
		and the second second		
	illbore Sketch of Completed Well.)			
	7		POTENTIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of We	Ilbore Sketch of Completed Well.) VOLUMETRIC CA		POTENTIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of We	WOLUMETRIC CA SANDS PERFORATED		POTENTIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of We Area (A) proration unit size, scres Porosity (©), %	VOLUMETRIC CA SANDS PERFORATED		POTENTIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of We Area (A) proration unit size, scres Porosity (4), % Nater saturation (5w), %	VOLUMETRIC CA SANDS PERFORATED 180 8.8%		POTENTIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of We Attach Copy of C-105. Attach Copy of	VOLUMETRIC CA SANDS PERFORATED 180 9.8%		POTENTIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of We Area (A) proration unit size, acres Porosity (4), % Nater saturation (5w), % Net Thickness (H), ft. Temperature (T), Fahrenheit	VOLUMETRIC CA SANDS PERFORATED 180 9.8% 23%		POTENTIALLY PRODU	UCTIVE
Area (A) proration unit size, acres Porosity (a), % Net Thickness (H), ft. Femperature (T), Fahrenheit Bottom Hole pressure (P), peia Recovery factor (RF), %	SANDS PERFORATED 180 9.8% 23% 65		POTENTIALLY PRODU	UCTIVE
Attach Copy of C-105. Attach Copy of We Area (A) proration unit size, acres Porosity (4), % Nater saturation (Sw), % Net Thickness (H), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), paia Recovery factor (RF), %	SANDS PERFORATED 160 9.8% 23% 65 140 4,370		POTENTIALLY PRODI	UCTIVE
Attach Copy of C-105. Attach Copy of We Area (A) proration unit size, acres Porosity (©), % Water saturation (Sw), % Net Thickness (H), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), paia	SANDS PERFORATED 180 9.8% 23% 65 140 4,370 12%		POTENTIALLY PRODU	UCTIVE

PERFORMANCE DATA

		tion rate v time.)		
CUMULATIVE PRODUC	TION TO 12/3	1/2014 29.178	BBL Oil130,765M	CF Ges
INITIAL RATE (qi)		3	62 BOPD	
ECONOMIC LIMIT (ql)		<u> </u>	8 BOPO	
HYPERBOLIC DECLINE	RATE, dy	0.=1.	2, d = 99%Ar	
REMAINING MBO (Q) =			114	
ULTIMATE RECOVERA	BLE MBO		143	
(Attach plat showing pro	ration unit and participatin	ng area.)		
		8	CONOMIC	
	the state of the s			
GROSS WELL COST_	\$2,468,871 (to the dep	oth of formation complete	ed)	
COMPLETION COST	\$4,028,159			
GROSS TOTAL COST	\$6,497,030			
				5% NET BFIT
YEAR	GROSS OIL	BFIT NET	OPERATING COST (SM) INCL SEV & AD VAL TAX	5% NET BFIT DISCOUNTED CASH FLOW
YEAR ZERO		The second secon		DISCOUNTED
No. of the last of		The second secon		DISCOUNTED
ZERO	мво	INCOME (SM)	INCL SEV & AD VAL TAX	DISCOUNTED CASH FLOW
ZERO 1	32.589	2581.0	INCL SEV & AD VAL TAX	CASH FLOW
ZERO 1 2	32.589 30.973	2581.0 2561.1	1082.8 1396.8	DISCOUNTED CASH FLOW 4949.5 1191.1
ZERO 1 2 3	32.589 30.973 19.357	2581.0 2561.1 1574.9	1082.8 1206.8 394.7	1191.1 1095.8
ZERO 1 2 3 4	32.589 30.973 19.357 13.751	2581.0 2561.1 1574.9 621.4	1082.8 1306.8 394.7 332.5	
ZERO 1 2 3 4 5	32.589 30.973 19.357 13.751 10.766 8.880	2581.0 2561.1 1574.9 621.4	1082.8 1206.8 394.7 332.5	1191.1 1095.8 247.8
ZERO 1 2 3 4 5	32.589 30.973 19.357 13.751 10.766	2581.0 2561.1 1574.9 621.4 537.0	1082.8 1306.8 1306.8 394.7 332.5 316.4	1191.1 1065.8 247.8 126.5
ZERO 1 2 3 4 5 6 7	32.589 30.973 19.357 13.751 10.765 8.880 7.611 6.683	2581.0 2561.1 1574.9 621.4 537.0 468.2 412.9	1082.8 1082.8 1206.8 394.7 332.5 316.4 305.5 297.7 291.9	1191.1 1095.8 247.8 180.2 126.5 85.4
ZERO 1 2 3 4 6 7 8	32.589 30.973 19.357 13.751 10.766 8.860 7.611	2581.0 2561.1 1574.9 621.4 537.0 468.2	1082.8 1082.8 1396.8 394.7 332.5 316.4 305.5	1191.1 1065.8 247.8 180.2 126.5

WELL IS NOT COMMERCIAL

143,488

9841.8

TOTAL

4980.2

-1955.7

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED
OCE Artesta
SEP 0 5 2012

FORM APPROVED, OMB No 1004-0137 Expens July 31, 2010

Experse July 31, 2010 WELL COMPLETION OR RECOMPLETION REPORTAGE CONTES!A 5. Lease Serial No. NMLC061705B 6. If Indian, Allottee or Tribe Name la Type of Well Oil Well Gas Well Dry Other Mork Over Despen DPlug Back Dolff, Resvr. b. Type of Completion 7. Unit or CA Agreement Name and No. 891000303X Lease Name and Well No. PLU BIG SINKS 19 24 31 USA 1Y Contact: ERIN CARSON 2. Name of Operator Contact: ERIN C
CHESAPEAKE OPERATING INC E-Mail: erin.carson@chk.com 9. API Well No. 30-015-40261-00-S1 3a. Phone No. (include area code) Ph: 405-935-2896 OKLAHOMA CITY, OK 73154-0496 10. Field and Pool, or Exploratory
WILDCAT 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENW 140FNL 1980FWL 11. Sec., T., R., M., or Block and Survey or Area Sec 19 T24S R31E Mer NMP At top prod interval reported below NENW 785FNL 1983FWL 12 County or Parish EDDY At total depth SESW 108FSL 1992FWL 17. Elevations (DF, KB, RT, GL)*
3495 GL 16. Date Completed

D & A Ready to Prod.

07/24/2012 14. Date Spudded 05/17/2012 Date T D. Reached 06/08/2012 MD TVD MD 14240 9550 20 Depth Bridge Plug Set: 18. Total Depth: 19. Plug Back T.D TVD 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 3495 GL Yes (Submit analysis)
Yes (Submit analysis)
Yes (Submit analysis) Was well cored? Was DST run? Directional Survey? No No No 23. Casing and Liner Record (Report all strings set in well) Slurry Vol Bottom Stage Cemente No. of Sks. & Cement Top* **Amount Pulled** Hole Size Size/Grade Wt. (#/AL) Type of Cement (MD) (MD) (BBL) 17 500 13 375 H-40 48.0 0 713 1000 308 11.000 8.625 J-55 32.0 0 4173 2000 658 0 7.875 5 500 P-110 20.0 0 14240 2000 3650 24. Tubing Record Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 25. Producing Intervals Perforated Interval No. Holes Perf. Status **Formation** A) 1ST BONE SPRING 9843 14121 9843 TO 14121 OPEN B) C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval Amount and Type of Material 9843 TO 14121 ACID- 22,504 GAL; PROPPANT- 2,600,318 LBS **RECLAMATION** 28. Production - Interval A Oil Gravity Corr API Date Farst 06/13/2012 888 0 1573 0 1536.0 FLOWS FROM WELL 08/09/2012 24 RR1. MCF 4573 1538 28a. Production -Date First Produced Oal Gravety Corr API Gas MCF Water BBL 2 2012 SEP Gas Oil Vell Status OF LAND MANAGEMENT

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #146210 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

	Test	Hours	Test	Oil	Gas	Water	Od Gravity	Ges	Production Method	
educed	Date	Tested	Production	BBL.	Gas MCF	BBL	Corr API	Gos Gravity		
ioke re	The Press Flwg St	Cog Press	24 Hr Rate	Od BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status		
28c. Proc	luction - Inter	val D	1				1			
nte First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
roduced	Date	Tested	Production —	BBL	MCF	BaL	Corr API	Gravity		
noke 28	Thy Press Flwg SI	Cag Press	Rate	BBL	Gas MCF	Water BBL	Gas-Od Ratto	Well Status		
	osition of Gas D					- Company				,
Show tests,	mary of Porou v all important including dep recoveries.	Service Services	A Comment	-	eof: Core te tool op	d intervals an en, flowing ar	d all drill-stem nd shut-in pressure		. Formation (Log) Markers	
	Formation		Тор	Bottom	T	Descripti	ions, Contents, etc		Name	Top Meas, Dep
				1.					BONE SPRING FIRST BONE SPRING SAND	8148 9106
										1
32. Add	itional remark	s (include	plugging pro	cedure):						
CON	NFIDENTIAL			cedure):	_					
FOO	itional remark NFIDENTIAL SS SENT VIA CPN 643189	UPS OV		cedure):	1					
CHI	NFIDENTIAL GS SENT VIA (PN 643189	UPS OV		cedure):						
CON LOC CHI	SS SENT VA CPN 643189 Is enclosed att	UPS OV	ERNIGHT	W	1	2. Geologi	ic Report	3.05	TRenort A Direction	and Survey
CON LOG CHIN	NFIDENTIAL GS SENT VIA (PN 643189	UPS OV	ERNIGHT	req'd.)		2. Geologi 6. Core Ar	Library Control	3. DS 7 Oth	C. C	onal Survey
CON LOG CHIP 33. Circl 1. E 5. S	NFIDENTIAL SS SENT VIA C PN 643189 le enclosed att lectrical/Mechandry Notice	UPS OV	ERNIGHT ps (1 full set ag and cemer	reg'd.) It verification Inched informationic Subm	ation is consistent #1	6. Core Automplete and complete	correct as determined by the BLM W	7 Oth of from all ava /ell Informatio	er; ulable records (see attached instruct on System, ul	
CON LOG CHI	NFIDENTIAL SS SENT VIA C PN 643189 le enclosed att lectrical/Mechandry Notice	achments; hanical Leg for pluggin	ERNIGHT p (1 full set ing and cemer coing and attained to the committee com	reg'd.) It verification Inched informationic Subm	ation is consistent #1	6. Core Automplete and complete	nalysis correct as determined by the BLM WTING INC, sent	od from all ava celt Informati to the Carlsba n 08/23/2012 (er;	
CON LOG CHI	S SENT VIA S SENT VIA S PN 643189 le anclosed att lectrical/Mechandry Notice in	achments: hanical Leg for pluggin at the foreg	ERNIGHT p (1 full set ing and cemer coing and attained to the committee com	req'd.) It verification Iched inform For CH I to AFMSS	ation is consistent #1	6. Core Automplete and complete	nalysis correct as determined by the BLM with TING INC, sent RT SIMMONS o	od from all ava celt Informati to the Carlsba n 08/23/2012 (er; inlable records (see attached instruction on System, id (12KMS2854SE)	

RECEIVED AUG 2 0 2012 **NMOCD ARTESIA**

DISTRICT I Less it depois for bodds, for essen DISTRICT II Less it Grand Arence, Lotepia, log doub

State of New Mexico

OIL CONSERVATION DIVISION

ISTRICT III Jos the Brezes R SISTRICT IV abo a. St. Francis R		nda danai	VELL LO	San	to South State Pe, New 1	Francis Dr. fexico 87605 GE DEDICATI	ON PLAT	C) AMŘNĎÉD	REPORT
	Number 15-40261	1	3	Post Code	1		Part Hains	PRING	
Property Code 39169			1	PLU BIO	Property Har SINKS 19			West flumber	
14717				OHESA	Operator Her PEAKE OPER	Heriation 3495			
					Surface Loo	ation			
VL or let No.	Protion 19	Formably 24 3	Range .	Lot Ida	Post from the	NORTH	Feel from the 1980	-WEST	County EDDY
•100			Böttom	liple Lo	ation if Diff	great From Sur	fáce		
UL or lot-No.	Beetlon 19	Terrebly 24 3	Range 31 E	lot idn	Feet Yrom the	SOUTH	Feet from the	East/Rest line WEST	County
Decleated Aore	I Intol.	of Infili	nollablicen	Code : Or	der to.	-6578 -A		l,-	
NO ALL	OAVBTÉ .	OR A	SSIGNED STAN	TO THIS	COMPLETION THE	UNTIL ALL INTE	rests have b the division	ERN CONSOLID	ATED
			-	SURFAC Lol - H Long - W IDISPCE- (HA Lol - H Long - W IMISPCE-	X2.20985 491- 22.20985 491- 403.01924 84* 41 440385.717 E 700324.593 32.20953 150* 103.81879807* 104.0327.921 E 659140.344 0-27)		7	OR CERTIFICA' orlify that the infor- the to frue und plany p proteine and plany p proteine and plany p a read to drift the wround to drift p argored bellen p a read to drift the wround to a contract p mineral or wretch proposine operating the property of the proposine of the property parties of the property posine operating the protein protein protein the protein protein protein the protein protein protein the protein protein protein protein protein the protein prot	PION moiten fote fo two that ting t in the holy sort at with an the or distract to the
		1 2					Barbarira	2 . J "	/30/2012

Bryan Arrant bryan.arrant@chk.com Email Address" BURYEYOR QERTIFICATION 25834 Basm surveys

AS DRILLED LAND PLAT

Downhole Profile - Vertical Wells

BOPCO, L.P. - West Texas

Well Name: POKER LAKE UNIT CVX JV BS #014H (19-24-31)

Well ID: 30-015-40261

Field: Wildcat - Bone Spring

Sect: 19 Town: 24S Rng: 31E County: Eddy State: New Mexico

n: 146' FNL & 1,980' FWL, Section 19-24\$-31E

MOTI		n - Plut, 9/99/2014 1:15/32 AM	Well Information Orig NS Sior (h) Gr Sior (h) KS-Grid (h) Speed Date On Production Date PSYO (kill) (letter)
のので	Vertical set		Column list 3,528.00 8,465.00 25.00 5/17/2012 1 16(25/2012 Original Hole - M.,160.6
-			Size (in) Act Top (UKB) Act Size (VKB)
			24 28.6 120.1 17 1/2 120.0 713.1
-			91 713,6 4,196,6
	MANAGEMENT AND REST TO THE SELECTION OF STREET, SIN SOME	1; Tueling 1; 0,00;	Type Depth (NGI) Annotation
	13 3/6 h; 6.00 6/R; H-40; 713.00		Casing Strings
	20 sr; 10.10 b/t; J		Cog Dos Welfbere CO (in) Wi (bH) Grade Top Throat Set (€ PMCD) (eVCD) Constudior Chigainal Hole 250 90:00 J-36 LTSC 144.640 STSC 713.00 25.
1.1.	5 1/2 M 0 30 B/R		Intermediate Criginal Hole 8.558 J-55 LTGC 4.77.09 25.1 Production Criginal Hole 5.12 Pr-116 CDC 14.200.00 26.1
	P-110, HCP-110; 14.240,00 tech 0 50 in; 0.00 lule; J-65; 4,173.00	1: Red 13.60	Perforations
	100	1; Red; 13.00-	District State of the Control of the
- -			77/4/2012 10,385.6 10,565.6 tot Beno Spring, Original Hale Open 77/4/2012 10,035.6 11,391.0 fot Beno Spring, Original Hoto Open 77/4/2012 11,491.9 11,937.9 fot Beno Spring, Original Hoto Open
			[[7/13/2012
			7/19/2012 13,519.0 13,675.0 1st Buno Epring, Original Hole Open
	Taker.	Medis	Tubing Strings Tubing Decorption Flux Date Sking Longili (It) Set Days (RVS)
	in a guesti in unit aria anti anti anti anti anti anti anti an	24; Consister: 28.00-128.08	Na. tem Des Jas (OO (n)) WI (b/R) Grade Top (N/B)
	. Water	Water Company	Tubbig Description (Run Date (String Lancit) (Set Death (IKS)
-	table	200	186. Side Side Side Side Side Side Top (1962)
	Negative Neg	1000	4-1 3-7/8" EUE 8nd 6.5 ppl (-80 Ybg) 267 2776 6.59 247 2776 6.59 247 2776 6.59 247 2776 6.703.
		atorio (2-776" 6.59 ppf L-00 8RD Tubing 4 2 776 6.59 L-00 8,708. 4-4 2-776" Shandard Cup Type Scoting Hippin 1 2 776 8.804.
		200	4-6 2-7/8" x # EME 8rd 6.5 ppf L-80 Port Bub 1 2.776 L-80 8,835. 4-6 2-7/8" 6.5 ppf L-80 RMD Tubing 2 2.776 6.50 L-80 8,836.
1.	-	3	4-7 2-70° Chamical joint 1 2 776 5.901.
1:1:		200	Red Strings Red Description Red Description Red Description Red Description Red Description Red Description Red Strings Red Strings Red Strings Red Strings
		100	lions 8 Ja. CO (in) Wt (bill) Gende Top (BKB)
	. aug	650	1-1 1-10" X 20" Openy Metal Polisiroid Plast 1 1 102 13. 1-2 1" x 2 6 0" party reds 2 1 2.90 non- 41.1
-		999	1-3 17939 Norte D-96 Sudier Rods 117 1 2.50 Specia 53.
	-	NO N	1-4 7/97/27 Nonio D-00 Suctor Rods 116 7/6 2.22 Specia 2,807.1
1-1	1	S N. Condense	1-6 34/7/29 Nonts D-96 Bucher Rocks 116 34 1.63 Specia 5,857.1
	1	24; Condustor; 25.00-120.00	1 7/6 2.22 Specia 8,007./
1-1	. I was	age of the second	1-7 2-1/27X5-1/27Q4* Eagle pump RHIDO 1 7/8 8,811/1 1-8 1-144* Gass Andrer Dip Tube 1 1 8,856.1
-	Conductor S Comment, 28.00	j l	Conductor Coment, 5/16/2012
-			String: Consort Evaluation Results: Stage Number Stage Top (WS) Stage States (WS) Vol Consett Rot (MK) Top Measurement Method
1			1 28.0 128.0 Class Suns (biget) Yield (RYsodd) Lead State (biget) Yield (RYsodd) Lead State (biget) Yield (RYsodd) 2.34 2.34 2.34
			Surface Casing Coment , 8/18/2012
-			General Evaluation Results: PLAPED 20 Std. FRESH WATER SPACER 200 Set. TAL 9: ISSE CEMBET IN ALL SLUTRY CORPOPED PLUS GEDLAS
- ·	4		DISPLACED WITH 106 BOLS PREDIC WATER WITH 210 PAL SUMMED PLUG GRACE WITH END OWN TOTAL POLICES AS A MA
1-1	1	17 1/2: Surface; 120,00-713.00	EPACIER JOS BIS, YAL & SESE COMMET IN ALL SLURRY DROPPED PLUS GERMS DISPLACED WITH 165 BISLE PRESID WATER WITH 210 PS, SLAWED PLUS GERCES WITH ESS OVER 1071A, POINTS HELD PLUS BLUES BACK, 5 SIE, PLOAT HELD PLUS PRITUMEN THROUGH UT CEMENT JOS 194 BRIES CEMENT BACK TO SURFACE. BRIES CEMENT BACK TO SURFACE.
			Stage Number Stage Top (NCS) Stage Sulture (NCS) Vol Consent Ret (NS) Top Measurement Notice 25.0 713.0
-	1 4	_	Codd Amount (souths) Clean (brigall) Yold (fithouth) Load Lo
1-1	1		Informacibile Cooley Compact #19010049
-	1 1	11; Intermediate; 713.00-4,180.00	LEAD, SIGN SIGN TAIL, DROP PLUS B., DISPLACE WITH 222 BILLS FRESH WATER
		713.00-3,180,00	PITAL PRISS-MES TOTAL PRIESE 5325, PLOAT HELD 1.5 BBL BACK, CIRC 532 bM
			Strings Intermediate, 4,172.090/G Correct Evaluation Results: PURP 39 SBIL FW SPACER.ONE WITGO SIGN LEAD, 399 SIGS TAIL DROP PULUS 4, LEAD, 400 CHEET REPLANCE AND CHEET REPLANCE TO TAIL PURGES SIGS. PRESENT LEAD, CRIC 122 bits AND CHEET SIGS OF SURFACE WITH 16075 ARE LUNGS THROUGH OUT CHEFT ADD. Stage Number Stage Top (ISS) Stage Sellem (IUS) Vol Coment Ret (Ibb) Top Measurement Marind
- .			Stage Humber Stinge Top (HRB) Stage Settem (HRB) VVC Connect that (bibl) Top Manauromani Method 4,173.0 152.6 Circulated S22.6 Circulated Paid Amaunt (Seate) Case Dans (brigat) Yield (6*Seath)
-			1,650 1,850 1,5
-			Production Comment - EHAT2012
-		TO - Odday link	Birings Production, 14,340,001x39 Common Evaluation Results: Pump Lend 780 pls 273 bits 124,pags, w/2,09 pis com-valuation, 3,850 Pag H = adds. Tel 1300 else a 294 bits 14,5 pags, 3000 Pag H = 4 adds diege, w/200 bits 14,5 pags, 3000 Pag H = 4 adds diege, w/200 bits 14,5 pags, 3000 Pag H = 4 adds diege, w/200 bits 140 pags and 140,000 pags and
	1	TD - Original Hole - Plot; 4,180.00	w/236 bbis PPVI. Bump plag wit90 pai over. Pleasa held. Pull returns until 210 bbis heb disabassament per
-		Mar all annual	Steps Norther Steps Top (NGS) Stage Seitem (NGS) (Vel Conset Res (bib) Top Measurement Mathod 0.0 Velumo Calulations
-		Historit; 8,897.69	Fluid Amount (social) Class Done (bigot) York (Risock) Level 2,000
-	-		Stage Number Stage Top (RCS) Stage Seizen (RCS) Vol Camont Fet (bbi) Top Massurement Multiod Volume Calculations

4

Downhole Profile - Vertical Wells

Well Name: POKER LAKE UNIT CVX JV BS #014H (19-24-31)

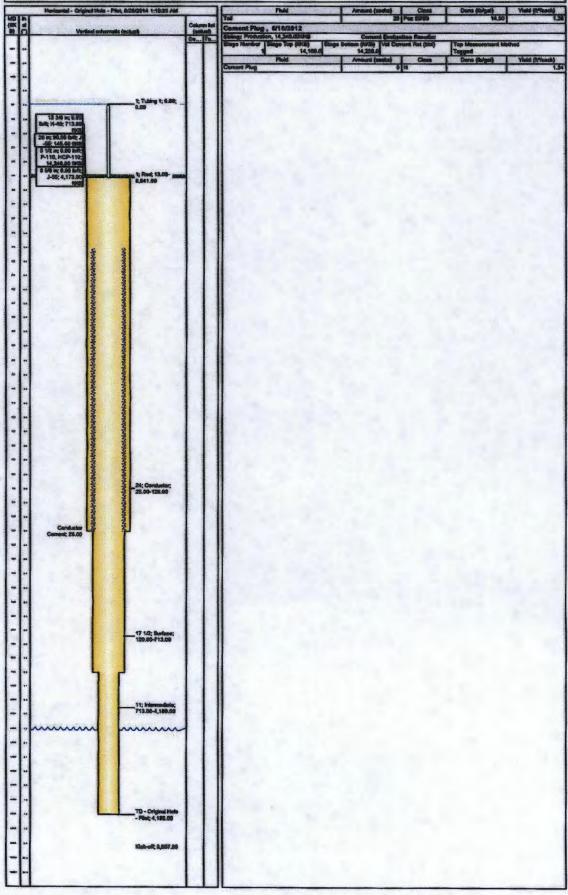
BOPCO, L.P. - West Texas

Well ID: 30-015-40261

Sect; 19 Town: 24\$ Rng: 31E County: Eddy State: New Mexico

Surface Location: 140' FNL & 1,980' FWL, Section 19-245-31E

Field: Wildcat - Bone Spring





Schematic - Vertical Production

Well Name: POKER LAKE UNIT CVX JV BS #014H (19-24-31)
Field: Wildcat - Bone Spring Sect: 19 1

BOPCO, L.P. - West Texas (19-24-31) Well ID: 30-015-40261 Sect: 19 Town: 24S Rng: 31E Eddy Co., State: New Mexico

Bik: Survey:

