

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

JAN 13 2015

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM0506A
2. Name of Operator BOPCO LP Contact: WHITNEY MCKEE E-Mail: wbmckee@basspet.com		6. If Indian, Allottee or Tribe Name
3a. Address P O BOX 2760 MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 432-683-2277	7. If Unit or CA/Agreement, Name and/or No. 891000303X
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T24S R31E SENE 1530FNL 930FEL		8. Well Name and No. POKER LAKE UNIT 402H
		9. API Well No. 30-015-41229-00-X1
		10. Field and Pool, or Exploratory POKER LAKE
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully requests to amend the drilling program for the Poker Lake Unit #402H to adjust for an inaccurate measured depth calculation in the directional plan. The approved APD showed a MD of 14332?. The actual MD of the well is 16541?. No corrections to the footage calls or latitude and longitude on the plat package need to be made. The updated directional plan is attached.

Verbal was given on 12/11/2014

Accepted for record
JED NEDCD 1/14/2015

14. I hereby certify that the foregoing is true and correct. Electronic Submission #284932 verified by the BLM Well Information System For BOPCO LP, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER MASON on 01/05/2015 (15JAM0155SE)	
Name (Printed/Typed) TODD CARPENTER	Title ENGINEERING ASSISTANT
Signature (Electronic Submission)	Date 12/11/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
JAN 8 2015	
Approved By	Title
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

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

JAN 13 2015

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5D Plan Report

BOPCO, L.P.

Field Name: *Eddy Co, NM Nad27 NMEZ*

Site Name: *Poker Lake Unit 402H*

Well Name: *Poker Lake Unit 402H*

Plan: *P1:V1*

05 November 2014



Weatherford®

Poker Lake Unit 402H

Field Name Eddy Co, NM Nad27 NMEZ	Map Units : US ft		Company Name : BOPCO, L.P.	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD27 / New Mexico East			
Comment :				
Site Name Poker Lake Unit 402H	Units : US ft		North Reference : Grid	Convergence Angle : 0.30
	Position	Northing : 428457.99 US ft	Latitude : 32° 10' 36.20"	
		Easting : 672219.00 US ft	Longitude : -103° 46' 36.16"	
	Elevation above Mean Sea Level: 3466.00 US ft			
Comment :				
Slot Name Poker Lake Unit 402H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft		Northing : 428457.99 US ft	Latitude : 32° 10' 36.20"
	+E / -W : 0.00 US ft		Easting : 672219.00 US ft	Longitude : -103° 46' 36.16"
	Slot TVD Reference : Ground Elevation			
Elevation above Mean Sea Level : 3466.00 US ft				
Comment :				
Well Name Poker Lake Unit 402H	Type : Main well		UWI :	Plan : P1:V1
	Rig Height <i>Kelly Bushing</i> : 17.00 US ft		Comment :	
	Relative to Mean Sea Level: 3483.00 US ft			
	Closure Distance : 8744.2 US ft		Closure Azimuth : 314.922°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az : 314.92°
	Magnetic Parameters			
Model : BGGM	Field Strength : 48203.6nT	Dec : 7.43°	Dip : 60.01°	Date : 15/Nov/2014

Target Set

Name : Poker Lake Unit
402H **Number of Targets :** 1

Comment :

Target Name: PEHL 402H Shape: Cuboid	Position (Relative to Slot centre)			
	+N / -S : 6174.61 US ft		Northing : 434632.60 US ft	Latitude : 32° 11' 37.62"
	+E / -W : -6191.55 US ft		Easting : 666027.45 US ft	Longitude : -103° 47' 47.84"
	TVD (Kelly Bushing) : 8078.00 US ft			
Orientation Azimuth : 0.00°		Inclination : 0.00°		
Dimensions Length : 0.00 US ft		Breadth : 0.00 US ft	Height : 0.00 US ft	

Casing Points (Relative to Slot centre, TVD relative to Kelly Bushing)									
MD (US ft)	Incl (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Name	
8355.62	70.00	314.92	8062.43	398.92	-400.01	428856.91	671818.99	7 in	

5D Plan Report

Well path created using minimum curvature

Salient Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Incl (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	B.Rate (°/100 US ft)	T.Rate (°/100 US ft)	Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7455.62	0.00	0.00	7455.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
8155.62	70.00	314.92	7994.02	266.21	-266.94	376.99	10.00	10.00	0.00	314.92	Hold
8355.62	70.00	314.92	8062.43	398.92	-400.01	564.93	0.00	0.00	0.00	0.00	Build 6's; 7 in
8694.06	90.31	314.92	8120.00	633.16	-634.89	896.65	6.00	6.00	-0.00	0.00	LP
16541.73	90.31	314.92	8078.00	6174.61	-6191.55	8744.20	0.00	0.00	0.00	0.00	PBHL 402H

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Incl (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)		Comment
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	428457.99	672219.00		
7455.62	0.00	0.00	7455.62	0.00	0.00	0.00	0.00	428457.99	672219.00		KOP
7500.00	4.44	314.92	7499.96	1.21	-1.22	1.72	10.00	428459.20	672217.78		
7600.00	14.44	314.92	7598.48	12.78	-12.81	18.10	10.00	428470.77	672206.19		
7700.00	24.44	314.92	7692.66	36.25	-36.35	51.33	10.00	428494.24	672182.65		
7800.00	34.44	314.92	7779.64	70.91	-71.10	100.42	10.00	428528.90	672147.90		
7900.00	44.44	314.92	7856.77	115.71	-116.03	163.86	10.00	428573.70	672102.97		
8000.00	54.44	314.92	7921.71	169.29	-169.75	239.73	10.00	428627.28	672049.25		
8100.00	64.44	314.92	7972.50	230.01	-230.64	325.73	10.00	428688.00	671988.36		
8155.62	70.00	314.92	7994.02	266.21	-266.94	376.99	10.00	428724.20	671952.06		Hold
8200.00	70.00	314.92	8009.20	295.66	-296.47	418.70	0.00	428753.65	671922.53		
8300.00	70.00	314.92	8043.41	362.01	-363.01	512.67	0.00	428820.00	671855.99		
8355.62	70.00	314.92	8062.43	398.92	-400.01	564.93	0.00	428856.91	671818.99		Build 6's; 7 in
8400.00	72.66	314.92	8076.63	428.61	-429.78	606.97	6.00	428886.60	671789.22		
8500.00	78.66	314.92	8101.38	496.99	-498.35	703.82	6.00	428954.98	671720.65		
8600.00	84.66	314.92	8115.88	566.83	-568.38	802.71	6.00	429024.82	671650.62		
8694.06	90.31	314.92	8120.00	633.16	-634.89	896.65	6.00	429091.15	671584.11		LP
8700.00	90.31	314.92	8119.97	637.35	-639.10	902.58	0.00	429095.34	671579.90		
8800.00	90.31	314.92	8119.44	707.96	-709.90	1002.58	0.00	429165.95	671509.10		
8900.00	90.31	314.92	8118.90	778.57	-780.71	1102.58	0.00	429236.56	671438.29		
9000.00	90.31	314.92	8118.37	849.19	-851.52	1202.58	0.00	429307.18	671367.48		
9100.00	90.31	314.92	8117.83	919.80	-922.32	1302.58	0.00	429377.79	671296.68		
9200.00	90.31	314.92	8117.30	990.41	-993.13	1402.58	0.00	429448.40	671225.87		
9300.00	90.31	314.92	8116.76	1061.03	-1063.94	1502.58	0.00	429519.02	671155.06		
9400.00	90.31	314.92	8116.23	1131.64	-1134.74	1602.57	0.00	429589.63	671084.26		
9500.00	90.31	314.92	8115.69	1202.25	-1205.55	1702.57	0.00	429660.24	671013.45		
9600.00	90.31	314.92	8115.15	1272.86	-1276.36	1802.57	0.00	429730.85	670942.64		
9700.00	90.31	314.92	8114.62	1343.48	-1347.16	1902.57	0.00	429801.47	670871.84		
9800.00	90.31	314.92	8114.08	1414.09	-1417.97	2002.57	0.00	429872.08	670801.03		
9900.00	90.31	314.92	8113.55	1484.70	-1488.78	2102.57	0.00	429942.69	670730.22		
10000.00	90.31	314.92	8113.01	1555.31	-1559.58	2202.57	0.00	430013.30	670659.42		
10100.00	90.31	314.92	8112.48	1625.93	-1630.39	2302.56	0.00	430083.92	670588.61		
10200.00	90.31	314.92	8111.94	1696.54	-1701.19	2402.56	0.00	430154.53	670517.81		
10300.00	90.31	314.92	8111.41	1767.15	-1772.00	2502.56	0.00	430225.14	670447.00		
10400.00	90.31	314.92	8110.87	1837.77	-1842.81	2602.56	0.00	430295.76	670376.19		
10500.00	90.31	314.92	8110.34	1908.38	-1913.61	2702.56	0.00	430366.37	670305.39		
10600.00	90.31	314.92	8109.80	1978.99	-1984.42	2802.56	0.00	430436.98	670234.58		
10700.00	90.31	314.92	8109.27	2049.60	-2055.23	2902.56	0.00	430507.59	670163.77		
10800.00	90.31	314.92	8108.73	2120.22	-2126.03	3002.55	0.00	430578.21	670092.97		
10900.00	90.31	314.92	8108.20	2190.83	-2196.84	3102.55	0.00	430648.82	670022.16		
11000.00	90.31	314.92	8107.66	2261.44	-2267.65	3202.55	0.00	430719.43	669951.35		
11100.00	90.31	314.92	8107.13	2332.05	-2338.45	3302.55	0.00	430790.04	669880.55		
11200.00	90.31	314.92	8106.59	2402.67	-2409.26	3402.55	0.00	430860.66	669809.74		
11300.00	90.31	314.92	8106.06	2473.28	-2480.07	3502.55	0.00	430931.27	669738.93		
11400.00	90.31	314.92	8105.52	2543.89	-2550.87	3602.55	0.00	431001.88	669668.13		
11500.00	90.31	314.92	8104.99	2614.51	-2621.68	3702.54	0.00	431072.50	669597.32		

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
HD (US ft)	Inc (°)	Az (°)	TVD (US ft)	North (US ft)	East (US ft)	VS (US ft)	DLS (%/100 US ft)	North (US ft)	East (US ft)	Comment
11600.00	90.31	314.92	8104.45	2685.12	-2692.49	3802.54	0.00	431143.11	669526.51	
11700.00	90.31	314.92	8103.91	2755.73	-2763.29	3902.54	0.00	431213.72	669455.71	
11800.00	90.31	314.92	8103.38	2826.34	-2834.10	4002.54	0.00	431284.33	669384.90	
11900.00	90.31	314.92	8102.84	2896.96	-2904.90	4102.54	0.00	431354.95	669314.10	
12000.00	90.31	314.92	8102.31	2967.57	-2975.71	4202.54	0.00	431425.56	669243.29	
12100.00	90.31	314.92	8101.77	3038.18	-3046.52	4302.54	0.00	431496.17	669172.48	
12200.00	90.31	314.92	8101.24	3108.79	-3117.32	4402.53	0.00	431566.78	669101.68	
12300.00	90.31	314.92	8100.70	3179.41	-3188.13	4502.53	0.00	431637.40	669030.87	
12400.00	90.31	314.92	8100.17	3250.02	-3258.94	4602.53	0.00	431708.01	668960.06	
12500.00	90.31	314.92	8099.63	3320.63	-3329.74	4702.53	0.00	431778.62	668889.26	
12600.00	90.31	314.92	8099.10	3391.25	-3400.55	4802.53	0.00	431849.24	668818.45	
12700.00	90.31	314.92	8098.56	3461.86	-3471.36	4902.53	0.00	431919.85	668747.64	
12800.00	90.31	314.92	8098.03	3532.47	-3542.16	5002.53	0.00	431990.46	668676.84	
12900.00	90.31	314.92	8097.49	3603.08	-3612.97	5102.52	0.00	432061.07	668606.03	
13000.00	90.31	314.92	8096.96	3673.70	-3683.78	5202.52	0.00	432131.69	668535.22	
13100.00	90.31	314.92	8096.42	3744.31	-3754.58	5302.52	0.00	432202.30	668464.42	
13200.00	90.31	314.92	8095.89	3814.92	-3825.39	5402.52	0.00	432272.91	668393.61	
13300.00	90.31	314.92	8095.35	3885.53	-3896.19	5502.52	0.00	432343.52	668322.81	
13400.00	90.31	314.92	8094.82	3956.15	-3967.00	5602.52	0.00	432414.14	668252.00	
13500.00	90.31	314.92	8094.28	4026.76	-4037.81	5702.52	0.00	432484.75	668181.19	
13600.00	90.31	314.92	8093.75	4097.37	-4108.61	5802.51	0.00	432555.36	668110.39	
13700.00	90.31	314.92	8093.21	4167.99	-4179.42	5902.51	0.00	432625.98	668039.58	
13800.00	90.31	314.92	8092.67	4238.60	-4250.23	6002.51	0.00	432696.59	667968.77	
13900.00	90.31	314.92	8092.14	4309.21	-4321.03	6102.51	0.00	432767.20	667897.97	
14000.00	90.31	314.92	8091.60	4379.82	-4391.84	6202.51	0.00	432837.81	667827.16	
14100.00	90.31	314.92	8091.07	4450.44	-4462.65	6302.51	0.00	432908.43	667756.35	
14200.00	90.31	314.92	8090.53	4521.05	-4533.45	6402.51	0.00	432979.04	667685.55	
14300.00	90.31	314.92	8090.00	4591.66	-4604.26	6502.50	0.00	433049.65	667614.74	
14400.00	90.31	314.92	8089.46	4662.28	-4675.07	6602.50	0.00	433120.27	667543.93	
14500.00	90.31	314.92	8088.93	4732.89	-4745.87	6702.50	0.00	433190.88	667473.13	
14600.00	90.31	314.92	8088.39	4803.50	-4816.68	6802.50	0.00	433261.49	667402.32	
14700.00	90.31	314.92	8087.86	4874.11	-4887.49	6902.50	0.00	433332.10	667331.51	
14800.00	90.31	314.92	8087.32	4944.73	-4958.29	7002.50	0.00	433402.72	667260.71	
14900.00	90.31	314.92	8086.79	5015.34	-5029.10	7102.50	0.00	433473.33	667189.90	
15000.00	90.31	314.92	8086.25	5085.95	-5099.90	7202.49	0.00	433543.94	667119.10	
15100.00	90.31	314.92	8085.72	5156.56	-5170.71	7302.49	0.00	433614.55	667048.29	
15200.00	90.31	314.92	8085.18	5227.18	-5241.52	7402.49	0.00	433685.17	666977.48	
15300.00	90.31	314.92	8084.65	5297.79	-5312.32	7502.49	0.00	433755.78	666906.68	
15400.00	90.31	314.92	8084.11	5368.40	-5383.13	7602.49	0.00	433826.39	666835.87	
15500.00	90.31	314.92	8083.58	5439.02	-5453.94	7702.49	0.00	433897.01	666765.06	
15600.00	90.31	314.92	8083.04	5509.63	-5524.74	7802.49	0.00	433967.62	666694.26	
15700.00	90.31	314.92	8082.51	5580.24	-5595.55	7902.48	0.00	434038.23	666623.45	
15800.00	90.31	314.92	8081.97	5650.85	-5666.36	8002.48	0.00	434108.84	666552.64	
15900.00	90.31	314.92	8081.43	5721.47	-5737.16	8102.48	0.00	434179.46	666481.84	
16000.00	90.31	314.92	8080.90	5792.08	-5807.97	8202.48	0.00	434250.07	666411.03	
16100.00	90.31	314.92	8080.36	5862.69	-5878.78	8302.48	0.00	434320.68	666340.22	
16200.00	90.31	314.92	8079.83	5933.30	-5949.58	8402.48	0.00	434391.29	666269.42	
16300.00	90.31	314.92	8079.29	6003.92	-6020.39	8502.48	0.00	434461.91	666198.61	
16400.00	90.31	314.92	8078.76	6074.53	-6091.20	8602.47	0.00	434532.52	666127.80	
16500.00	90.31	314.92	8078.22	6145.14	-6162.00	8702.47	0.00	434603.13	666057.00	
16541.73	90.31	314.92	8078.00	6174.61	-6191.55	8744.20	0.00	434632.60	666027.45	PBHL 402H

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 13 2015

RECEIVED

5D Anti-Collision Report

BOPCO, L.P.

Field Name: *Eddy Co, NM Nad27 NMEZ*

Site Name: *Poker Lake Unit 402H*

Well Name: *Poker Lake Unit 402H*

05 November 2014



Weatherford®



Weatherford®

Poker Lake Unit 402H

Field Name Eddy Co, NM Nad27 NMEZ	Map Units : US ft		Company Name : BOPCO, L.P.	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD27 / New Mexico East			
Comment :				
Site Name Poker Lake Unit 402H	Units : US ft	North Reference : Grid	Convergence Angle : 0.30	
	Position	Northing : 428457.99 US ft	Latitude : 32° 10' 36.20"	
		Easting : 672219.00 US ft	Longitude : 103° 46' 36.16"	
	Elevation above Mean Sea Level: 3466.00 US ft			
Comment :				
Slot Name Poker Lake Unit 402H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 428457.99 US ft	Latitude : 32° 10' 36.20"	
	+E / -W : 0.00 US ft	Easting : 672219.00 US ft	Longitude : 103° 46' 36.16"	
	Slot TVD Reference : Ground Elevation			
Elevation above Mean Sea Level : 3466.00 US ft				
Comment :				
Well Name Poker Lake Unit 402H	Type : Main well		UWI :	Plan : Working Plan
	Rig Height Kelly Bushing : 17.00 US ft		Comment :	
	Relative to Mean Sea Level: 3483.00 US ft			
	Closure Distance : 8744.2 US ft		Closure Azimuth : 314.922°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az : 314.92°
	Magnetic Parameters			
	Model : BGGM	Field Strength : 48203.6nT	Dec : 7.43°	Dip : 60.01° Date : 15/Nov/2014

Collision / Uncertainty Analysis				
Primary Well	Start IMD (US ft)	End MD (US ft)	Collision Risk Interval	No. of Std Deviations in Error Computation
Poker Lake Unit 402H (p)	0.00	16541.73	100.00	2

Secondary Well Names
Poker Lake Unit 394H (s)
Poker Lake Unit 426H (p)

Anti-Collision Report Terminology
S.Minor, S.Major : Radil of the ellipse of uncertainty at the current location as seen in the along hole direction.
PHI : Angle between high-side vector and semi-minor axis
TVD Spread : Total TVD range of the ellipsoid of uncertainty at the current location
ES : Distance between the extremities of the primary and secondary uncertainty ellipsoids in the direction Cr-Cr
T.Face to Sec : Angle between the Hi-Side vector of the primary well at the current location and line of closest approach between the two wells

AC Filter Info: The following filter(s) have been applied: Separation Factor

Separation factors calculated using Pedal Curve (Independent Uncertainty). Well path created using minimum curvature.

5D Anti-Collision Report

Anti-Collision Proximity Summary (TVD Relative to Kelly Bushing)

Secondary Well Name	PPMD (US ft)	Sec MD (US ft)	TVD (US ft)	CG (US ft)	ES (US ft)	SP	Risk
Poker Lake Unit 394H (s)	15512.50	12573.13	8083.51	1380.56	1079.16	4.58	
Poker Lake Unit 426H (p)	16541.73	15890.36	8078.00	398.03	332.36	6.06	

Primary Well: Poker Lake Unit 402H (p) (TVD Relative to Kelly Bushing / All Azimuth Relative to GRID NORTH)

MD (US ft)	TVD (US ft)	Face to See (°)	S. Major (US ft)	S. Minor (US ft)	Near est Well	CG (US ft)	ES (US ft)	SP	Risk
12500.00	8099.63	270.45	115.40	35.13	Poker Lake Unit 394H (s)	1640.93	1405.74	6.98	
12600.00	8099.10	270.45	117.83	35.83	Poker Lake Unit 394H (s)	1589.22	1344.76	6.50	
12700.00	8098.56	270.45	120.27	36.53	Poker Lake Unit 394H (s)	1542.27	1288.31	6.07	
12800.00	8098.03	270.45	122.70	37.24	Poker Lake Unit 394H (s)	1500.52	1237.30	5.70	
12900.00	8097.49	270.45	125.13	37.94	Poker Lake Unit 394H (s)	1464.43	1192.46	5.38	
13000.00	8096.96	270.45	127.57	38.64	Poker Lake Unit 394H (s)	1434.40	1154.44	5.12	
13100.00	8096.42	270.45	130.00	39.35	Poker Lake Unit 394H (s)	1410.85	1123.85	4.92	
13200.00	8095.89	270.45	132.44	40.06	Poker Lake Unit 394H (s)	1394.08	1101.24	4.76	
13300.00	8095.35	270.45	134.88	40.77	Poker Lake Unit 394H (s)	1384.36	1087.05	4.66	
13400.00	8094.82	270.35	137.31	41.47	Poker Lake Unit 394H (s)	1381.06	1081.92	4.62	
13500.00	8094.28	270.15	139.75	42.18	Poker Lake Unit 394H (s)	1378.47	1079.33	4.61	
13600.00	8093.75	270.08	142.19	42.89	Poker Lake Unit 394H (s)	1377.71	1077.40	4.59	
13700.00	8093.21	270.03	144.63	43.60	Poker Lake Unit 394H (s)	1379.83	1078.96	4.59	
13800.00	8092.67	270.04	147.07	44.32	Poker Lake Unit 394H (s)	1382.76	1081.96	4.60	
13900.00	8092.14	269.90	149.51	45.03	Poker Lake Unit 394H (s)	1384.67	1084.17	4.61	
14000.00	8091.60	269.80	151.96	45.74	Poker Lake Unit 394H (s)	1385.83	1085.43	4.61	
14100.00	8091.07	269.84	154.40	46.45	Poker Lake Unit 394H (s)	1387.37	1086.63	4.61	
14200.00	8090.53	269.97	156.84	47.17	Poker Lake Unit 394H (s)	1389.03	1088.56	4.62	
14300.00	8090.00	270.02	159.29	47.88	Poker Lake Unit 394H (s)	1390.36	1089.70	4.62	
14400.00	8089.46	270.04	161.73	48.60	Poker Lake Unit 394H (s)	1392.63	1091.62	4.63	
14500.00	8088.93	270.11	164.17	49.31	Poker Lake Unit 394H (s)	1394.39	1093.99	4.64	
14600.00	8088.39	270.22	166.62	50.03	Poker Lake Unit 394H (s)	1393.47	1094.62	4.66	
14700.00	8087.86	270.28	169.07	50.75	Poker Lake Unit 394H (s)	1390.11	1090.95	4.65	
14800.00	8087.32	270.36	171.51	51.47	Poker Lake Unit 394H (s)	1387.75	1087.98	4.63	
14900.00	8086.79	270.54	173.96	52.18	Poker Lake Unit 394H (s)	1385.75	1086.19	4.63	
15000.00	8086.25	270.63	176.40	52.90	Poker Lake Unit 394H (s)	1383.41	1083.77	4.62	
15100.00	8085.72	270.57	178.85	53.62	Poker Lake Unit 394H (s)	1381.00	1081.24	4.61	
15200.00	8085.18	270.55	181.30	54.34	Poker Lake Unit 394H (s)	1379.38	1079.10	4.59	
15300.00	8084.65	270.61	183.75	55.06	Poker Lake Unit 394H (s)	1379.08	1078.27	4.58	
15400.00	8084.11	270.70	186.20	55.78	Poker Lake Unit 394H (s)	1379.28	1078.51	4.59	
15500.00	8083.58	270.76	188.64	56.50	Poker Lake Unit 394H (s)	1380.31	1078.97	4.58	

5D Anti-Collision Report

Primary Well: Poker Lake Unit 402H (p) (TVD Relative to Kelly Bushing (Primary)); All Azimuth Relative to GRID NORTH									
MD (US ft)	TVD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	Nearest Well	CC (US ft)	ES (US ft)	SF	Risk
15600.00	8083.04	270.77	191.09	57.22	Poker Lake Unit 394H (s)	1382.44	1081.01	4.59	
15700.00	8082.51	270.68	193.54	57.94	Poker Lake Unit 394H (s)	1384.66	1083.13	4.59	
15800.00	8081.97	270.53	195.99	58.66	Poker Lake Unit 394H (s)	1387.15	1085.50	4.60	
15900.00	8081.43	270.43	198.44	59.38	Poker Lake Unit 394H (s)	1390.51	1088.48	4.60	
16000.00	8080.90	270.38	200.89	60.10	Poker Lake Unit 394H (s)	1394.73	1092.70	4.62	
16100.00	8080.36	270.44	203.34	60.82	Poker Lake Unit 394H (s)	1397.54	1096.01	4.63	
16200.00	8079.83	270.46	205.79	61.55	Poker Lake Unit 394H (s)	1398.81	1097.28	4.64	
16300.00	8079.29	270.42	208.24	62.27	Poker Lake Unit 394H (s)	1400.59	1099.25	4.65	
16400.00	8078.76	270.33	210.69	62.99	Poker Lake Unit 394H (s)	1399.15	1098.89	4.66	
16500.00	8078.22	270.27	213.14	63.71	Poker Lake Unit 394H (s)	1397.07	1096.32	4.65	
16541.73	8078.00	270.25	214.16	64.02	Poker Lake Unit 394H (s)	1396.40	1095.59	4.64	

Secondary Well: Poker Lake Unit 394H (s) (TVD Relative to Kelly Bushing (Primary)); All Azimuth Relative to GRID NORTH									
MD (US ft)	TVD (US ft)	Sec MD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	CC (US ft)	ES (US ft)	SF	Risk
12500.00	8083.92	14672.00	270.45	161.35	47.60	1640.93	1405.74	6.98	
12600.00	8083.92	14672.00	270.45	161.35	47.60	1589.22	1344.76	6.50	
12700.00	8083.92	14672.00	270.45	161.35	47.60	1542.27	1288.31	6.07	
12800.00	8083.92	14672.00	270.45	161.35	47.60	1500.52	1237.30	5.70	
12900.00	8083.92	14672.00	270.45	161.35	47.60	1464.43	1192.46	5.38	
13000.00	8083.92	14672.00	270.45	161.35	47.60	1434.40	1154.44	5.12	
13100.00	8083.92	14672.00	270.45	161.35	47.60	1410.85	1123.85	4.92	
13200.00	8083.92	14672.00	270.45	161.35	47.60	1394.08	1101.24	4.76	
13300.00	8083.92	14672.00	270.45	161.35	47.60	1384.36	1087.05	4.66	
13400.00	8086.27	14626.23	270.35	160.26	47.27	1381.06	1081.92	4.62	
13500.00	8090.58	14524.20	270.15	157.81	46.56	1378.47	1079.33	4.61	
13600.00	8091.91	14468.63	270.08	156.52	46.16	1377.71	1077.40	4.59	
13700.00	8092.59	14395.25	270.03	154.70	45.62	1379.83	1078.96	4.59	
13800.00	8091.81	14291.65	270.04	152.19	44.88	1382.76	1081.96	4.60	
13900.00	8094.57	14176.08	269.90	149.41	44.05	1384.67	1084.17	4.61	
14000.00	8096.61	14070.26	269.80	146.85	43.28	1385.83	1085.43	4.61	
14100.00	8095.09	13985.98	269.84	144.78	42.65	1387.37	1086.63	4.61	
14200.00	8091.42	13871.59	269.97	142.03	41.81	1389.03	1088.56	4.62	
14300.00	8089.52	13779.36	270.02	139.80	41.20	1390.36	1089.70	4.62	
14400.00	8088.65	13696.86	270.04	137.76	40.60	1392.63	1091.62	4.63	
14500.00	8086.37	13565.78	270.11	134.63	39.65	1394.39	1093.99	4.64	
14600.00	8082.87	13406.03	270.22	130.71	38.51	1393.47	1094.62	4.66	
14700.00	8080.95	13314.07	270.28	128.56	37.84	1390.11	1090.95	4.65	
14800.00	8078.38	13233.17	270.36	126.68	37.23	1387.75	1087.98	4.63	
14900.00	8073.61	13123.15	270.54	124.04	36.43	1385.75	1086.19	4.63	
15000.00	8070.93	13023.74	270.63	121.68	35.80	1383.41	1083.77	4.62	
15100.00	8071.83	12925.67	270.57	119.35	35.13	1381.00	1081.24	4.61	
15200.00	8071.76	12842.23	270.55	117.39	34.50	1379.38	1079.10	4.59	
15300.00	8070.03	12761.64	270.61	115.48	33.90	1379.08	1078.27	4.58	
15400.00	8067.19	12658.01	270.70	113.00	33.17	1379.28	1078.51	4.59	
15500.00	8065.48	12582.56	270.76	111.18	32.64	1380.31	1078.97	4.58	
15600.00	8064.55	12485.37	270.77	108.83	32.00	1382.44	1081.01	4.59	
15700.00	8066.31	12388.54	270.68	106.49	31.35	1384.66	1083.13	4.59	
15800.00	8069.22	12292.29	270.53	104.16	30.66	1387.15	1085.50	4.60	
15900.00	8071.20	12212.94	270.43	102.21	30.11	1390.51	1088.48	4.60	
16000.00	8072.04	12111.31	270.38	99.75	29.33	1394.73	1092.70	4.62	
16100.00	8069.88	11979.37	270.44	96.63	28.41	1397.54	1096.01	4.63	

5D Anti-Collision Report

Secondary Well: Poker Lake Unit 394H (S) (TVD Relative to Kelly Bushing (Primary)) : All Azimuth Relative to GRID NORTH									
PRIMD (US ft)	TVD (US ft)	Sec MD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	CC (US ft)	ES (US ft)	SF	Risk
16200.00	8068.73	11876.74	270.46	94.18	27.70	1398.81	1097.28	4.64	
16300.00	8068.98	11764.91	270.42	91.52	26.94	1400.59	1099.25	4.65	
16400.00	8070.44	11618.86	270.33	88.02	25.92	1399.15	1098.89	4.66	
16500.00	8071.44	11532.88	270.27	86.02	25.31	1397.07	1096.32	4.65	
16541.73	8071.67	11491.65	270.25	85.05	25.02	1396.40	1095.59	4.64	
Secondary Well: Poker Lake Unit 426H (p) (TVD Relative to Kelly Bushing (Primary)) : All Azimuth Relative to GRID NORTH									
PRIMD (US ft)	TVD (US ft)	Sec MD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	CC (US ft)	ES (US ft)	SF	Risk
16541.73	8088.00	15890.36	254.60	176.09	59.69	398.03	332.36	6.06	

**Weatherford**

Weatherford Drilling Services

GeoDec4 v2.1.0.0

Report Date: November 05, 2014
Job Number: _____
Customer: BOPCO
Well Name: Poker Lake Unit 402H
API Number: _____
Rig Name: _____
Location: Eddy Co, NM Nad27 NME
Block: _____
Engineer: RWJ

NAD27 / New Mexico East	NAD27
Projected Coordinate System	Geodetic Coordinate System
Datum: North American Datum 1927	Datum: North American Datum 1927
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
EPSG: 32012	EPSG: 4267
North: 428457.99 US Survey Foot	Latitude: 32.176723 Degree
East: 672219.00 US Survey Foot	Longitude: -103.776712 Degree
Convergence: 0.30°	
Declination: 7.43°	
Total Correction: 7.13°	
Datum Transformation: none	

Geodetic Location WGS84

MSL Elevation = 0 m
Latitude = 32° 10' 36.20" N
Longitude = 103° 46' 36.16" W

Magnetic Declination = 7.43 deg	[True North Offset]
Local Gravity = .9988 g	Checksum = 6434
Local Field Strength = 48204 nT	Magnetic Vector X = 23890 nT
Magnetic Dip = 60.01 deg	Magnetic Vector Y = 3114 nT
Magnetic Model = bggm2014.bgs	Magnetic Vector Z = 41751 nT
Run Date = November 15, 2014	Magnetic Vector H = 24092 nT

Signed: _____

Date: _____