

Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO.	
5. Indicate Type of Lease STATE ☐ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	
8. Well Number	
9. OGRID Number	
10. Pool name or Wildcat	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐ 2. Name of Operator 3. Address of Operator 4. Well Location Unit Letter _____: _____ feet from the _____ line and _____ feet from the _____ line Section _____ Township _____ Range _____ NMPM _____ County _____ 11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: ☐
Change BHL ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE _____ DATE _____

Type or print name _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

District I
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
Phone: (505) 476-3460 Fax: (505) 476-3462

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-49968	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp (Gas)
4 Property Code 329348	5 Property Name POTATO BABY STATE COM	6 Well Number 902H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3065.92'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	34	26-S	28-E		300'	SOUTH	795'	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	26-S	28-E		710'	SOUTH	970'	EAST	EDDY

12 Dedicated Acres 527.72	13 Joint or Infill Infill	14 Consolidation Code Com	15 Order No.
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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 CORNER DATA NEW MEXICO EAST - NAD 83 <table border="0"> <tr> <td>A - FOUND IRON PIPE W/ BRASS CAP N:376622.59' E:618799.59'</td> <td>F - FOUND IRON PIPE W/ BRASS CAP N:368720.47' E:623950.18'</td> <td>L - FOUND IRON PIPE W/ BRASS CAP N:368688.50' E:618819.64'</td> </tr> <tr> <td>B - FOUND IRON PIPE W/ BRASS CAP N:376624.01' E:621366.59'</td> <td>G - FOUND IRON PIPE W/ BRASS CAP N:366069.65' E:623952.49'</td> <td>M - FOUND IRON PIPE W/ BRASS CAP N:371328.78' E:618821.83'</td> </tr> <tr> <td>C - FOUND IRON PIPE W/ BRASS CAP N:376625.57' E:623933.68'</td> <td>H - FOUND IRON PIPE W/ BRASS CAP N:363845.40' E:623957.83'</td> <td>N - FOUND IRON PIPE W/ BRASS CAP N:373976.13' E:618810.67'</td> </tr> <tr> <td>D - FOUND IRON PIPE W/ BRASS CAP N:374020.30' E:623931.34'</td> <td>I - CALCULATED CORNER N:363833.89' E:621393.73'</td> <td>O - FOUND IRON PIPE W/ BRASS CAP N:371325.17' E:621481.50'</td> </tr> <tr> <td>E - FOUND IRON PIPE W/ BRASS CAP N:371372.64' E:623894.95'</td> <td>J - FOUND IRON PIPE W/ BRASS CAP N:363822.34' E:618829.54'</td> <td>P - CALCULATED CORNER N:366058.22' E:621388.44'</td> </tr> <tr> <td></td> <td>K - FOUND IRON PIPE W/ BRASS CAP N:366046.79' E:618824.39'</td> <td></td> </tr> </table> SURFACE HOLE LOCATION (SHL) NEW MEXICO EAST - NAD 83 X=623162.13 LAT.= 32.00083128° N Y=364141.81 LONG.= 104.06937079° W 300' FSL, 795' FEL - SECTION 34 FIRST TAKE POINT (FTP) NEW MEXICO EAST - NAD 83 X=622987.04 LAT.= 32.00091288° N Y=364171.07 LONG.= 104.06993537° W 330' FSL, 970' FEL - SECTION 34 LAST TAKE POINT (LTP) NEW MEXICO EAST - NAD 83 X=622933.67 LAT.= 32.02247285° N Y=372013.86 LONG.= 104.07004591° W 660' FSL, 970' FEL - SECTION 22 BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST - NAD 83 X=622934.36 LAT.= 32.02261035° N Y=372063.88 LONG.= 104.07004330° W 710' FSL, 970' FEL - SECTION 22	A - FOUND IRON PIPE W/ BRASS CAP N:376622.59' E:618799.59'	F - FOUND IRON PIPE W/ BRASS CAP N:368720.47' E:623950.18'	L - FOUND IRON PIPE W/ BRASS CAP N:368688.50' E:618819.64'	B - FOUND IRON PIPE W/ BRASS CAP N:376624.01' E:621366.59'	G - FOUND IRON PIPE W/ BRASS CAP N:366069.65' E:623952.49'	M - FOUND IRON PIPE W/ BRASS CAP N:371328.78' E:618821.83'	C - FOUND IRON PIPE W/ BRASS CAP N:376625.57' E:623933.68'	H - FOUND IRON PIPE W/ BRASS CAP N:363845.40' E:623957.83'	N - FOUND IRON PIPE W/ BRASS CAP N:373976.13' E:618810.67'	D - FOUND IRON PIPE W/ BRASS CAP N:374020.30' E:623931.34'	I - CALCULATED CORNER N:363833.89' E:621393.73'	O - FOUND IRON PIPE W/ BRASS CAP N:371325.17' E:621481.50'	E - FOUND IRON PIPE W/ BRASS CAP N:371372.64' E:623894.95'	J - FOUND IRON PIPE W/ BRASS CAP N:363822.34' E:618829.54'	P - CALCULATED CORNER N:366058.22' E:621388.44'		K - FOUND IRON PIPE W/ BRASS CAP N:366046.79' E:618824.39'		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 2/2/23 Signature Date Stan Wagner Printed Name E-mail Address 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 01/11/2023 Date of Survey Signature and Seal of Professional Surveyor: Certificate Number 25490
A - FOUND IRON PIPE W/ BRASS CAP N:376622.59' E:618799.59'	F - FOUND IRON PIPE W/ BRASS CAP N:368720.47' E:623950.18'	L - FOUND IRON PIPE W/ BRASS CAP N:368688.50' E:618819.64'																	
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DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

POTATO BABY STATE PROJECT (ATLAS 2628)

POTATO BABY STATE COM #902H

300154996800

OWB

Plan: PWP1

Standard Planning Report

01 February, 2023

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Project	ATLAS PROSPECT (NM-E)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	POTATO BABY STATE PROJECT (ATLAS 2628)				
Site Position:		Northing:	363,816.83 usft	Latitude:	31° 59' 59.999 N
From:	Map	Easting:	577,471.39 usft	Longitude:	104° 5' 0.318 W
Position Uncertainty:	3.0 usft	Slot Radius:	13-3/16 "		

Well	POTATO BABY STATE COM #902H					
Well Position	+N/-S	0.0 usft	Northing:	364,084.75 usft	Latitude:	32° 0' 2.545 N
	+E/-W	0.0 usft	Easting:	581,976.89 usft	Longitude:	104° 4' 7.988 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	3,065.9 usft
Grid Convergence:		0.14 °				

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	7/1/2023	6.61	59.53	47,327.68581143

Design	PWP1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	358.35	

Plan Survey Tool Program	Date	2/1/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,000.0 PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp		
2	1,000.0	10,102.4 PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	10,102.4	18,538.6 PWP1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	8.00	215.70	1,398.7	-22.6	-16.3	2.00	2.00	0.00	215.70	
2,936.2	8.00	215.70	2,920.0	-196.3	-141.0	0.00	0.00	0.00	0.00	
3,736.2	0.00	0.00	3,717.4	-241.5	-173.6	1.00	-1.00	0.00	180.00	
10,102.4	0.00	0.00	10,083.5	-241.5	-173.6	0.00	0.00	0.00	0.00	
10,850.1	89.72	359.61	10,561.0	233.6	-176.8	12.00	12.00	-0.05	359.61	
18,488.6	89.72	359.61	10,597.8	7,871.9	-228.3	0.00	0.00	0.00	0.00	
18,538.6	89.72	359.61	10,598.0	7,921.9	-228.6	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 2.00										
1,100.0	2.00	215.70	1,100.0	-1.4	-1.0	-1.4	2.00	2.00	0.00	
1,200.0	4.00	215.70	1,199.8	-5.7	-4.1	-5.5	2.00	2.00	0.00	
1,300.0	6.00	215.70	1,299.5	-12.7	-9.2	-12.5	2.00	2.00	0.00	
1,400.0	8.00	215.70	1,398.7	-22.6	-16.3	-22.2	2.00	2.00	0.00	
Start 1536.2 hold at 1400.0 MD										
1,500.0	8.00	215.70	1,497.7	-33.9	-24.4	-33.2	0.00	0.00	0.00	
1,600.0	8.00	215.70	1,596.8	-45.2	-32.5	-44.3	0.00	0.00	0.00	
1,700.0	8.00	215.70	1,695.8	-56.5	-40.6	-55.4	0.00	0.00	0.00	
1,800.0	8.00	215.70	1,794.8	-67.8	-48.8	-66.4	0.00	0.00	0.00	
1,900.0	8.00	215.70	1,893.8	-79.2	-56.9	-77.5	0.00	0.00	0.00	
2,000.0	8.00	215.70	1,992.9	-90.5	-65.0	-88.5	0.00	0.00	0.00	
2,100.0	8.00	215.70	2,091.9	-101.8	-73.1	-99.6	0.00	0.00	0.00	
2,200.0	8.00	215.70	2,190.9	-113.1	-81.2	-110.7	0.00	0.00	0.00	
2,300.0	8.00	215.70	2,289.9	-124.4	-89.4	-121.7	0.00	0.00	0.00	
2,400.0	8.00	215.70	2,389.0	-135.7	-97.5	-132.8	0.00	0.00	0.00	
2,500.0	8.00	215.70	2,488.0	-147.0	-105.6	-143.9	0.00	0.00	0.00	
2,600.0	8.00	215.70	2,587.0	-158.3	-113.7	-154.9	0.00	0.00	0.00	
2,700.0	8.00	215.70	2,686.1	-169.6	-121.8	-166.0	0.00	0.00	0.00	
2,800.0	8.00	215.70	2,785.1	-180.9	-130.0	-177.1	0.00	0.00	0.00	
2,900.0	8.00	215.70	2,884.1	-192.2	-138.1	-188.1	0.00	0.00	0.00	
2,936.2	8.00	215.70	2,920.0	-196.3	-141.0	-192.1	0.00	0.00	0.00	
Start Drop -1.00										
3,000.0	7.36	215.70	2,983.2	-203.2	-146.0	-198.9	1.00	-1.00	0.00	
3,100.0	6.36	215.70	3,082.5	-212.9	-153.0	-208.4	1.00	-1.00	0.00	
3,200.0	5.36	215.70	3,181.9	-221.2	-158.9	-216.5	1.00	-1.00	0.00	
3,300.0	4.36	215.70	3,281.6	-228.1	-163.9	-223.3	1.00	-1.00	0.00	
3,400.0	3.36	215.70	3,381.3	-233.5	-167.8	-228.6	1.00	-1.00	0.00	
3,500.0	2.36	215.70	3,481.2	-237.6	-170.7	-232.6	1.00	-1.00	0.00	
3,600.0	1.36	215.70	3,581.2	-240.2	-172.6	-235.2	1.00	-1.00	0.00	
3,700.0	0.36	215.70	3,681.2	-241.5	-173.5	-236.4	1.00	-1.00	0.00	
3,736.2	0.00	0.00	3,717.4	-241.5	-173.6	-236.5	1.00	-1.00	0.00	
Start 6366.1 hold at 3736.2 MD										
3,800.0	0.00	0.00	3,781.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,881.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,000.0	0.00	0.00	3,981.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,081.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,181.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,281.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,381.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,481.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,581.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,700.0	0.00	0.00	4,681.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,781.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,881.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,981.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,081.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,181.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,281.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,381.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,481.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,581.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,681.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,781.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,881.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,981.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,081.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,181.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,281.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,381.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,481.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,581.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,681.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,781.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,881.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,981.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,081.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,181.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,281.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,381.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,481.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,581.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,681.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,781.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,881.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,981.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,081.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,181.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,281.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,381.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,481.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,581.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,681.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,781.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,881.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,981.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,081.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,181.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,281.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,381.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,481.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,581.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,681.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,781.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,881.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,000.0	0.00	0.00	9,981.2	-241.5	-173.6	-236.5	0.00	0.00	0.00	
10,102.4	0.00	0.00	10,083.5	-241.5	-173.6	-236.5	0.00	0.00	0.00	
Start DLS 12.00 TFO 359.61										
10,125.0	2.71	359.61	10,106.1	-241.0	-173.6	-235.9	12.00	12.00	0.00	
10,150.0	5.71	359.61	10,131.1	-239.2	-173.6	-234.1	12.00	12.00	0.00	
10,175.0	8.71	359.61	10,155.9	-236.0	-173.6	-231.0	12.00	12.00	0.00	
10,200.0	11.71	359.61	10,180.5	-231.6	-173.6	-226.5	12.00	12.00	0.00	
10,225.0	14.71	359.61	10,204.8	-225.9	-173.7	-220.8	12.00	12.00	0.00	
10,250.0	17.71	359.61	10,228.8	-218.9	-173.7	-213.8	12.00	12.00	0.00	
10,275.0	20.71	359.61	10,252.4	-210.7	-173.8	-205.6	12.00	12.00	0.00	
10,300.0	23.71	359.61	10,275.6	-201.2	-173.8	-196.2	12.00	12.00	0.00	
10,325.0	26.71	359.61	10,298.2	-190.6	-173.9	-185.5	12.00	12.00	0.00	
10,350.0	29.71	359.61	10,320.2	-178.8	-174.0	-173.7	12.00	12.00	0.00	
10,375.0	32.71	359.61	10,341.6	-165.8	-174.1	-160.7	12.00	12.00	0.00	
10,400.0	35.71	359.61	10,362.3	-151.8	-174.2	-146.7	12.00	12.00	0.00	
10,425.0	38.71	359.61	10,382.2	-136.6	-174.3	-131.6	12.00	12.00	0.00	
10,450.0	41.71	359.61	10,401.2	-120.5	-174.4	-115.4	12.00	12.00	0.00	
10,475.0	44.71	359.61	10,419.5	-103.4	-174.5	-98.3	12.00	12.00	0.00	
10,500.0	47.71	359.61	10,436.8	-85.3	-174.6	-80.3	12.00	12.00	0.00	
10,525.0	50.71	359.61	10,453.1	-66.4	-174.8	-61.4	12.00	12.00	0.00	
10,550.0	53.71	359.61	10,468.4	-46.7	-174.9	-41.6	12.00	12.00	0.00	
10,575.0	56.71	359.61	10,482.7	-26.1	-175.0	-21.1	12.00	12.00	0.00	
10,600.0	59.71	359.61	10,495.8	-4.9	-175.2	0.1	12.00	12.00	0.00	
10,625.0	62.71	359.61	10,507.9	17.0	-175.3	22.0	12.00	12.00	0.00	
10,650.0	65.71	359.61	10,518.8	39.5	-175.5	44.6	12.00	12.00	0.00	
10,675.0	68.71	359.61	10,528.4	62.6	-175.6	67.6	12.00	12.00	0.00	
10,700.0	71.71	359.61	10,536.9	86.1	-175.8	91.1	12.00	12.00	0.00	
10,725.0	74.71	359.61	10,544.1	110.0	-175.9	115.0	12.00	12.00	0.00	
10,750.0	77.71	359.61	10,550.1	134.3	-176.1	139.3	12.00	12.00	0.00	
10,775.0	80.71	359.61	10,554.7	158.9	-176.3	163.9	12.00	12.00	0.00	
10,800.0	83.71	359.61	10,558.1	183.6	-176.4	188.6	12.00	12.00	0.00	
10,825.0	86.71	359.61	10,560.2	208.5	-176.6	213.5	12.00	12.00	0.00	
10,850.1	89.72	359.61	10,561.0	233.6	-176.8	238.6	12.00	12.00	0.00	
Start 7638.5 hold at 10850.1 MD										
10,900.0	89.72	359.61	10,561.2	283.5	-177.1	288.5	0.00	0.00	0.00	
11,000.0	89.72	359.61	10,561.7	383.5	-177.8	388.5	0.00	0.00	0.00	
11,100.0	89.72	359.61	10,562.2	483.5	-178.5	488.4	0.00	0.00	0.00	
11,200.0	89.72	359.61	10,562.7	583.5	-179.1	588.4	0.00	0.00	0.00	
11,300.0	89.72	359.61	10,563.2	683.5	-179.8	688.4	0.00	0.00	0.00	
11,400.0	89.72	359.61	10,563.6	783.5	-180.5	788.4	0.00	0.00	0.00	
11,500.0	89.72	359.61	10,564.1	883.5	-181.2	888.3	0.00	0.00	0.00	
11,600.0	89.72	359.61	10,564.6	983.5	-181.8	988.3	0.00	0.00	0.00	
11,700.0	89.72	359.61	10,565.1	1,083.5	-182.5	1,088.3	0.00	0.00	0.00	
11,800.0	89.72	359.61	10,565.6	1,183.5	-183.2	1,188.3	0.00	0.00	0.00	
11,900.0	89.72	359.61	10,566.1	1,283.5	-183.9	1,288.2	0.00	0.00	0.00	
12,000.0	89.72	359.61	10,566.5	1,383.5	-184.5	1,388.2	0.00	0.00	0.00	
12,100.0	89.72	359.61	10,567.0	1,483.5	-185.2	1,488.2	0.00	0.00	0.00	
12,200.0	89.72	359.61	10,567.5	1,583.5	-185.9	1,588.2	0.00	0.00	0.00	
12,300.0	89.72	359.61	10,568.0	1,683.5	-186.5	1,688.1	0.00	0.00	0.00	
12,400.0	89.72	359.61	10,568.5	1,783.5	-187.2	1,788.1	0.00	0.00	0.00	
12,500.0	89.72	359.61	10,568.9	1,883.5	-187.9	1,888.1	0.00	0.00	0.00	
12,600.0	89.72	359.61	10,569.4	1,983.5	-188.6	1,988.1	0.00	0.00	0.00	
12,700.0	89.72	359.61	10,569.9	2,083.5	-189.2	2,088.0	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,800.0	89.72	359.61	10,570.4	2,183.5	-189.9	2,188.0	0.00	0.00	0.00
12,900.0	89.72	359.61	10,570.9	2,283.4	-190.6	2,288.0	0.00	0.00	0.00
13,000.0	89.72	359.61	10,571.3	2,383.4	-191.3	2,388.0	0.00	0.00	0.00
13,100.0	89.72	359.61	10,571.8	2,483.4	-191.9	2,487.9	0.00	0.00	0.00
13,200.0	89.72	359.61	10,572.3	2,583.4	-192.6	2,587.9	0.00	0.00	0.00
13,300.0	89.72	359.61	10,572.8	2,683.4	-193.3	2,687.9	0.00	0.00	0.00
13,400.0	89.72	359.61	10,573.3	2,783.4	-194.0	2,787.9	0.00	0.00	0.00
13,500.0	89.72	359.61	10,573.8	2,883.4	-194.6	2,887.8	0.00	0.00	0.00
13,600.0	89.72	359.61	10,574.2	2,983.4	-195.3	2,987.8	0.00	0.00	0.00
13,700.0	89.72	359.61	10,574.7	3,083.4	-196.0	3,087.8	0.00	0.00	0.00
13,800.0	89.72	359.61	10,575.2	3,183.4	-196.7	3,187.8	0.00	0.00	0.00
13,900.0	89.72	359.61	10,575.7	3,283.4	-197.3	3,287.7	0.00	0.00	0.00
14,000.0	89.72	359.61	10,576.2	3,383.4	-198.0	3,387.7	0.00	0.00	0.00
14,100.0	89.72	359.61	10,576.6	3,483.4	-198.7	3,487.7	0.00	0.00	0.00
14,200.0	89.72	359.61	10,577.1	3,583.4	-199.4	3,587.6	0.00	0.00	0.00
14,300.0	89.72	359.61	10,577.6	3,683.4	-200.0	3,687.6	0.00	0.00	0.00
14,400.0	89.72	359.61	10,578.1	3,783.4	-200.7	3,787.6	0.00	0.00	0.00
14,500.0	89.72	359.61	10,578.6	3,883.4	-201.4	3,887.6	0.00	0.00	0.00
14,600.0	89.72	359.61	10,579.0	3,983.4	-202.1	3,987.5	0.00	0.00	0.00
14,700.0	89.72	359.61	10,579.5	4,083.4	-202.7	4,087.5	0.00	0.00	0.00
14,800.0	89.72	359.61	10,580.0	4,183.4	-203.4	4,187.5	0.00	0.00	0.00
14,900.0	89.72	359.61	10,580.5	4,283.4	-204.1	4,287.5	0.00	0.00	0.00
15,000.0	89.72	359.61	10,581.0	4,383.4	-204.8	4,387.4	0.00	0.00	0.00
15,100.0	89.72	359.61	10,581.5	4,483.4	-205.4	4,487.4	0.00	0.00	0.00
15,200.0	89.72	359.61	10,581.9	4,583.4	-206.1	4,587.4	0.00	0.00	0.00
15,300.0	89.72	359.61	10,582.4	4,683.4	-206.8	4,687.4	0.00	0.00	0.00
15,400.0	89.72	359.61	10,582.9	4,783.4	-207.4	4,787.3	0.00	0.00	0.00
15,500.0	89.72	359.61	10,583.4	4,883.4	-208.1	4,887.3	0.00	0.00	0.00
15,600.0	89.72	359.61	10,583.9	4,983.4	-208.8	4,987.3	0.00	0.00	0.00
15,700.0	89.72	359.61	10,584.3	5,083.4	-209.5	5,087.3	0.00	0.00	0.00
15,800.0	89.72	359.61	10,584.8	5,183.3	-210.1	5,187.2	0.00	0.00	0.00
15,900.0	89.72	359.61	10,585.3	5,283.3	-210.8	5,287.2	0.00	0.00	0.00
16,000.0	89.72	359.61	10,585.8	5,383.3	-211.5	5,387.2	0.00	0.00	0.00
16,100.0	89.72	359.61	10,586.3	5,483.3	-212.2	5,487.2	0.00	0.00	0.00
16,200.0	89.72	359.61	10,586.7	5,583.3	-212.8	5,587.1	0.00	0.00	0.00
16,300.0	89.72	359.61	10,587.2	5,683.3	-213.5	5,687.1	0.00	0.00	0.00
16,400.0	89.72	359.61	10,587.7	5,783.3	-214.2	5,787.1	0.00	0.00	0.00
16,500.0	89.72	359.61	10,588.2	5,883.3	-214.9	5,887.1	0.00	0.00	0.00
16,600.0	89.72	359.61	10,588.7	5,983.3	-215.5	5,987.0	0.00	0.00	0.00
16,700.0	89.72	359.61	10,589.2	6,083.3	-216.2	6,087.0	0.00	0.00	0.00
16,800.0	89.72	359.61	10,589.6	6,183.3	-216.9	6,187.0	0.00	0.00	0.00
16,900.0	89.72	359.61	10,590.1	6,283.3	-217.6	6,287.0	0.00	0.00	0.00
17,000.0	89.72	359.61	10,590.6	6,383.3	-218.2	6,386.9	0.00	0.00	0.00
17,100.0	89.72	359.61	10,591.1	6,483.3	-218.9	6,486.9	0.00	0.00	0.00
17,200.0	89.72	359.61	10,591.6	6,583.3	-219.6	6,586.9	0.00	0.00	0.00
17,300.0	89.72	359.61	10,592.0	6,683.3	-220.3	6,686.9	0.00	0.00	0.00
17,400.0	89.72	359.61	10,592.5	6,783.3	-220.9	6,786.8	0.00	0.00	0.00
17,500.0	89.72	359.61	10,593.0	6,883.3	-221.6	6,886.8	0.00	0.00	0.00
17,600.0	89.72	359.61	10,593.5	6,983.3	-222.3	6,986.8	0.00	0.00	0.00
17,700.0	89.72	359.61	10,594.0	7,083.3	-223.0	7,086.8	0.00	0.00	0.00
17,800.0	89.72	359.61	10,594.4	7,183.3	-223.6	7,186.7	0.00	0.00	0.00
17,900.0	89.72	359.61	10,594.9	7,283.3	-224.3	7,286.7	0.00	0.00	0.00
18,000.0	89.72	359.61	10,595.4	7,383.3	-225.0	7,386.7	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,100.0	89.72	359.61	10,595.9	7,483.3	-225.7	7,486.7	0.00	0.00	0.00
18,200.0	89.72	359.61	10,596.4	7,583.3	-226.3	7,586.6	0.00	0.00	0.00
18,300.0	89.72	359.61	10,596.9	7,683.3	-227.0	7,686.6	0.00	0.00	0.00
18,400.0	89.72	359.61	10,597.3	7,783.3	-227.7	7,786.6	0.00	0.00	0.00
18,488.6	89.72	359.61	10,597.8	7,871.9	-228.3	7,875.2	0.00	0.00	0.00
Start 50.0 hold at 18488.6 MD									
18,500.0	89.72	359.61	10,597.8	7,883.3	-228.3	7,886.6	0.00	0.00	0.00
18,538.6	89.72	359.61	10,598.0	7,921.9	-228.6	7,925.2	0.00	0.00	0.00
TD at 18538.6									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (POTATO BABY ST - hit/miss target - Shape	0.00	0.00	10,561.0	29.2	-175.1	364,114.00	581,801.81	32° 0' 2.838 N	104° 4' 10.021 W
- plan misses target center by 42.8usft at 10656.9usft MD (10521.5 TVD, 45.8 N, -175.5 E) - Circle (radius 50.0)									
LTP (POTATO BABY ST - plan hits target center - Circle (radius 50.0)	90.00	359.88	10,597.8	7,871.9	-228.3	371,956.64	581,748.62	32° 1' 20.455 N	104° 4' 10.416 W
BHL (POTATO BABY ST - plan misses target center by 1.0usft at 18538.6usft MD (10598.0 TVD, 7921.9 N, -228.6 E) - Rectangle (sides W100.0 H7,893.4 D20.0)	0.28	359.61	10,598.0	7,921.9	-227.6	372,006.66	581,749.31	32° 1' 20.950 N	104° 4' 10.407 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,000.0	1,000.0	13-3/8" Surface Casing	13-3/8	17-1/2	
10,102.4	10,083.5	9-5/8" Intermediate Casing	9-5/8	12-1/4	
18,538.6	10,598.0	5-1/2" Production Casing	5-1/2	6	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
1,000.0	1,000.0	0.0	0.0	Start Build 2.00
1,400.0	1,398.7	-22.6	-16.3	Start 1536.2 hold at 1400.0 MD
2,936.2	2,920.0	-196.3	-141.0	Start Drop -1.00
3,736.2	3,717.4	-241.5	-173.6	Start 6366.1 hold at 3736.2 MD
10,102.4	10,083.5	-241.5	-173.6	Start DLS 12.00 TFO 359.61
10,850.1	10,561.0	233.6	-176.8	Start 7638.5 hold at 10850.1 MD
18,488.6	10,597.8	7,871.9	-228.3	Start 50.0 hold at 18488.6 MD
18,538.6	10,598.0	7,921.9	-228.6	TD at 18538.6

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 181961

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 181961
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	2/3/2023