

OCD-ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No NMNM198122	
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr, Other		6. If Indian, Allottee or Tribe Name N/A	
2 Name of Operator CHEVRON USA INCORPORATED (AGENT: COG OPERATING LLC)		7 Unit or CA Agreement Name and No NMNM71030C	
3 Address 550 W. TEXAS AVE. SUITE 100 MIDLAND TX, 79701		8 Lease Name and Well No SKELLY UNIT 725	
3a. Phone No. (include area code) 432-818-2319		9 AFI Well No 30-015-38378	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot 1, 2585' FSL & 1290' FEL At top prod interval reported below At total depth Lot G, 2993' FSL & 1669' FEL		10 Field and Pool, or Exploratory MAR LOCO; GLOR-YESO	
14 Date Spudded 07/02/2011		15 Date T.D. Reached 07/12/2011	
16 Date Completed 09/26/2011		17 Elevations (DF, RKB, RT, GL)* 3816 GL	
☐ D & A ☒ Ready to Prod			

18. Total Depth MD 6735 TVD 6697	19. Plug Back T D MD 6678 TVD 6640	20. Depth Bridge Plug Set. MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT HNGS; HI-RES LAT ARRAY MICRO CFL/HNGS		22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)								
Hole Size	Size/Grade	Wt (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sks & Type of Cement	Slurry Vol (BBL)	
17.5	13.375	48	0	440		930		
11	8.625	32	0	1819		600		
7.875	5.5	17	0	6725		1100		
24. Tubing Record								
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6250							

25. Producing Intervals							
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) YESO	4990	6400	4990 - 5140	.34	26	OPEN	
B)			5660 - 5860	.34	26	OPEN	
C)			5930 - 6130	.34	26	OPEN	
D)			6200 - 6400	.34	26	OPEN	

27. Acid, Fracture, Treatment, Cement Squeeze, etc	
Depth Interval	Amount and Type of Material
4990 - 5140	Acidized w/3000 gals 15% HCL
4990 - 5140	Frac w/ 102,731 gals gel, 116,931# 16/30 Ottawa sand, 19,108# 16/30 CRC
5660 - 5860	Acidized w/2500 gals 15% HCL
5660 - 5860	Frac w/116,036 gals gel, 147,667# 16/30 Ottawa sand, 34,800# 16/30 CRC

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
12/31/2011	12/31/2011	24	→	24	95	242	37.1		Electric Pumping Unit
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
N/A	70	70	→	24	95	242	3958	POW	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						JAN 21 2012
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					N/A	

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-38378	Pool Code 97866	Pool Name Mar Loco; Glorieta, Yeso
Property Code 305607	Property Name SKELLY UNIT	Well Number 725
OGRID No. 4323	Operator Name Chevron USA, Inc.	Elevation 3816'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	21	17-S	31-E		2585	SOUTH	1290	EAST	EDDY

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
G	21	17-S	31-E		2993	SOUTH	1669	EAST	EDDY
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEOGRAPHIC COORDINATES NAD 27 NME SURFACE LOCATION Y=662263.8 N X=642416.9 E LAT = 32.819792° N LONG = 103.869746° W BOTTOM HOLE LOCATION Y=662648.0 N X=642054.7 E DETAIL 3811.8' 3829.1' 600' 600' 3811.9' 3813.2' GRID AZ - 316° 41' 11" S HORZ DIST - 528.2' BH 1169' 1290' 2993' 2585' S.L. SEE DETAIL	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Netha Aaron</i> 8/22/11 Signature Date Netha Aaron Printed Name oaaron@concho.com 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. RONALD J. EIDSON Date Surveyed 8/24/2010 Signature & Seal of Professional Surveyor Certificate No. GARY C. EIDSON 12641 RONALD J. EIDSON 3239
---	--

30-015-38378



COG Operating LLC

Eddy County, NM (NAN27 NME)

Skelly Unit #725

Skelly Unit #725

OH

Design: Actual

Standard Survey Report

14 July, 2011





Scientific Drilling

Survey Report



Company: COG Operating LLC
Project: Eddy County, NM (NAN27 NME)
Site: Skelly Unit #725
Well: Skelly Unit #725
Wellbore: OH
Design: Actual

Local Co-ordinate Reference: Site Skelly Unit #725
TVD Reference: KB Elev (12') @ 3828 00usft (Basic #35)
MD Reference: KB Elev (12') @ 3828 00usft (Basic #35)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM-Julio

Project	Eddy County, NM (NAN27 NME)		
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	Skelly Unit #725			
Site Position:		Northing:	662,263 80 usft	Latitude: 32° 49' 11 252 N
From:	Map	Easting:	642,416 90 usft	Longitude: 103° 52' 11 087 W
Position Uncertainty:	0 00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0 25 °

Well	Skelly Unit #725			
Well Position	+N/-S	0 00 usft	Northing:	662,263 80 usft
	+E/-W	0 00 usft	Easting:	642,416 90 usft
Position Uncertainty	0 00 usft		Wellhead Elevation:	usft
			Ground Level:	3,816 00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	2011/07/08	7 76	60 68	48,933

Design	Actual			
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 0 00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0 00	0 00	0 00	316 64

Survey Program	Date	2011/07/14		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100 00	1,754 00	Gyro Survey (OH)	Keeper	Standard Wireline Keeper ver 1 0 2
1,879 00	6,735 00	MWD Survey (OH)	MWD	MWD - Standard

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
100 00	0 37	241 92	100 00	-0 15	-0 28	0 09	0 37	0 37	0 00
200 00	0 47	211 68	200 00	-0 65	-0 79	0 06	0 24	0 10	-30 24
300 00	0 48	218 52	299 99	-1 33	-1 26	-0 10	0 06	0 01	6 84
400 00	0 43	235 70	399 99	-1 87	-1 83	-0 10	0 14	-0 05	17 18
500 00	0 16	292 14	499 99	-2 03	-2 27	0 09	0 37	-0 27	56 44
600 00	0 06	164 46	599 99	-2 03	-2 39	0 17	0 20	-0 10	-127 68
700 00	0 22	199 96	699 99	-2 26	-2 44	0 03	0 17	0 16	35 50
800 00	0 13	166 14	799 99	-2 55	-2 48	-0 15	0 13	-0 09	-33 82
900 00	0 17	265 42	899 99	-2 67	-2 60	-0 16	0 23	0 04	99 28



Scientific Drilling

Survey Report



Company: COG Operating LLC
Project: Eddy County, NM (NAN27 NME)
Site: Skelly Unit #725
Well: Skelly Unit #725
Wellbore: OH
Design: Actual

Local Co-ordinate Reference: Site Skelly Unit #725
TVD Reference: KB Elev (12') @ 3828 00usft (Basic #35)
MD Reference: KB Elev (12') @ 3828 00usft (Basic #35)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM-Julio

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)
1,000 00	0 27	313 13	999 99	-2 52	-2 92	0 17	0 20	0 10	47 71
1,100 00	0 45	324 35	1,099 99	-2 04	-3 32	0 80	0 19	0 18	11 22
1,200 00	0 38	5 06	1,199 98	-1 39	-3 52	1 40	0 30	-0 07	40 71
1,300 00	0 59	27 47	1,299 98	-0 60	-3 25	1 79	0 28	0 21	22 41
1,400 00	0 96	54 18	1,399 97	0 34	-2 33	1 85	0 51	0 37	26 71
1,500 00	0 88	66 00	1,499 96	1 15	-0 95	1 49	0 21	-0 08	11 82
1,600 00	0 93	63 78	1,599 94	1 82	0 48	0 99	0 06	0 05	-2 22
1,700 00	0 75	71 43	1,699 93	2 38	1 82	0 48	0 21	-0 18	7 65
1,754 00	0 47	76 83	1,753 93	2 55	2 38	0 22	0 53	-0 52	10 00
Gyro Tie-in									
1,879 00	0 51	64 69	1,878 93	2 90	3 38	-0 21	0 09	0 03	-9 71
1,974 00	1 22	305 18	1,973 92	3 67	2 93	0 65	1 62	0 75	-125 80
2,069 00	2 31	310 22	2,068 87	5 48	0 64	3 55	1 16	1 15	5 31
2,165 00	3 34	307 89	2,164 76	8 45	-3 04	8 23	1 08	1 07	-2 43
2,260 00	4 62	316 76	2,259 52	12 94	-7 85	14 79	1 49	1 35	9 34
2,355 00	5 66	323 73	2,354 14	19 50	-13 24	23 27	1 27	1 09	7 34
2,450 00	7 05	328 02	2,448 56	28 23	-19 10	33 63	1 55	1 46	4 52
2,546 00	8 72	325 58	2,543 65	39 23	-26 33	46 60	1 77	1 74	-2 54
2,639 00	9 80	321 31	2,635 43	51 22	-35 26	61 45	1 38	1 16	-4 59
2,735 00	10 97	317 72	2,729 86	64 36	-46 52	78 73	1 39	1 22	-3 74
2,830 00	10 61	318 52	2,823 18	77 60	-58 39	96 51	0 41	-0 38	0 84
2,926 00	10 06	319 14	2,917 62	90 56	-69 73	113 72	0 58	-0 57	0 65
3,021 00	10 97	314 06	3,011 03	103 12	-81 65	131 04	1 37	0 96	-5 35
3,114 00	10 90	313 31	3,102 34	115 31	-94 41	148 65	0 17	-0 08	-0 81
3,209 00	10 88	311 98	3,195 63	127 46	-107 61	166 56	0 27	-0 02	-1 40
3,303 00	10 33	311 09	3,288 02	138 94	-120 56	183.79	0 61	-0 59	-0 95
3,397 00	10 23	309 68	3,380 52	149 81	-133 34	200 46	0 29	-0 11	-1 50
3,493 00	10 38	308 78	3,474 97	160 67	-146 64	217 49	0 23	0 16	-0 94
3,589 00	10 17	309 00	3,569 43	171 42	-159 97	234 46	0 22	-0 22	0 23
3,683 00	10 13	307 97	3,661 96	181 72	-172 93	250 86	0 20	-0 04	-1 10
3,778 00	10 20	307 48	3,755 46	191 98	-186 19	267 42	0 12	0 07	-0 52
3,841 00	10 31	310 37	3,817 46	199 03	-194 92	278 53	0 84	0 17	4 59
3,937 00	9 62	313 62	3,912 01	210 13	-207 27	295 08	0 93	-0 72	3 39
4,032 00	8 48	315 37	4,005 83	220 59	-217 94	310 01	1 23	-1 20	1 84
4,125 00	7 16	319 33	4,097 96	229 86	-226 53	322 66	1 53	-1 42	4 26
4,221 00	5 72	313 15	4,193 35	237 67	-233 92	333 41	1 66	-1 50	-6 44
4,316 00	5 26	317 77	4,287 92	244 14	-240 30	342 49	0 67	-0 48	4 86
4,411 00	5 12	318 14	4,382 53	250 52	-246 06	351 08	0 15	-0 15	0 39
4,506 00	5 26	316 25	4,477 14	256 82	-251 90	359 67	0 23	0 15	-1 99
4,602 00	5 30	313 20	4,572 73	263 03	-258 17	368 50	0 30	0 04	-3 18
4,697 00	4 86	312 25	4,667 36	268 74	-264 35	376 89	0 47	-0 46	-1 00
4,792 00	4 75	311 09	4,762 02	274 04	-270 29	384 82	0 15	-0 12	-1 22
4,887 00	4 60	316 63	4,856 71	279 39	-275 87	392 54	0 50	-0 16	5 83



Scientific Drilling Survey Report



Company: COG Operating LLC
Project: Eddy County, NM (NAN27 NME)
Site: Skelly Unit #725
Well: Skelly Unit #725
Wellbore: OH
Design: Actual

Local Co-ordinate Reference: Site Skelly Unit #725
TVD Reference: KB Elev (12') @ 3828 00usft (Basic #35)
MD Reference: KB Elev (12') @ 3828 00usft (Basic #35)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM-Julio

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)
4,982 00	4 91	315 14	4,951 38	285 04	-281 36	400 41	0 35	0 33	-1 57
5,077 00	4 66	315 25	5,046 05	290 66	-286 94	408 34	0 26	-0 26	0 12
5,173 00	4 80	316 05	5,141 72	296 32	-292 47	416 25	0 16	0 15	0 83
5,268 00	5 11	315 29	5,236 37	302 19	-298 21	424 45	0 33	0 33	-0 80
5,363 00	5 28	314 95	5,330 98	308 29	-304 28	433 05	0 18	0 18	-0 36
5,458 00	5 16	315 39	5,425 58	314 42	-310 37	441 69	0 13	-0 13	0 46
5,553 00	5 39	320 24	5,520 18	320 89	-316 23	450 42	0 53	0 24	5 11
5,648 00	5 11	319 34	5,614 78	327 53	-321 84	459 10	0 31	-0 29	-0 95
5,744 00	5 10	320 63	5,710 40	334 07	-327 33	467 62	0 12	-0 01	1 34
5,838 00	4 74	331 54	5,804 06	340 71	-331 83	475 55	1 06	-0 38	11 61
5,934 00	4 87	332 66	5,899 72	347 82	-335 59	483 30	0 17	0 14	1 17
6,029 00	4 92	337 56	5,994 38	355 17	-339 00	490 98	0 44	0 05	5 16
6,124 00	5 46	322 34	6,088 99	362 51	-343 32	499 28	1 55	0 57	-16 02
6,219 00	5 39	321 55	6,183 56	369 58	-348 85	508 22	0 11	-0 07	-0 83
6,313 00	5 59	323 54	6,277 13	376 72	-354 32	517 17	0 29	0 21	2 12
6,407 00	5 55	319 27	6,370 69	383 85	-360 00	526 25	0 44	-0 04	-4 54
6,497 00	5 56	318 60	6,460 27	390 42	-365 73	534 96	0 07	0 01	-0 74
6,593 00	5 36	322 97	6,555 83	397 49	-371 50	544 06	0 48	-0 21	4 55
6,685 00	5 12	325 94	6,647 45	404 32	-376 39	552 38	0 39	-0 26	3 23
Last MWD Survey 6,735 00	5 12	325 94	6,697 25	408 02	-378 89	556 79	0 00	0 00	0 00
Projection to bit									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,754 00	1,753 93	2 55	2 38	Gyro Tie-in
6,685 00	6,647 45	404 32	-376 39	Last MWD Survey
6,735 00	6,697 25	408 02	-378 89	Projection to bit

Checked By _____ Approved By _____ Date _____