

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.5 Lease Serial No.
NMNM98120

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. If Unit or CA/Agreement, Name and/or No.
NMNM71030C

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
SKELLY UNIT 665

2. Name of Operator

CHEVRON USA INCORPORATED

Contact: KELLY J HOLLY

E-Mail: kholly@conchoresources.com

9 API Well No.

30-015-39347-00-X1

3a Address

15 SMITH ROAD
MIDLAND, TX 79705

3b Phone No (include area code)

Ph: 432-685-4384

10. Field and Pool, or Exploratory
FREN

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 14 T17S R31E SENE 1183FNL 269FEL

11. County or Parish, and State

EDDY COUNTY, NM

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

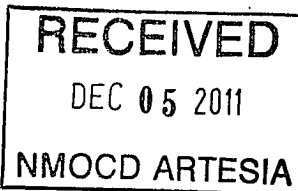
TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ 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 recompleat 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 recompleat 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.)

COG submitted an APD and it was approved at this location:
SHL: 1183' FNL & 269' FEL, SEC 14, T17S, R31E, Unit A

COG Operating respectfully requests permission add a BHL:
BHL: 1650' FNL & 990' FEL, SEC 14, T17S, R31E, Unit H

A Revised C-102 and new Directional Plan is attached for your review.



Accepted for record

NMOCD

10/25/2011

14 I hereby certify that the foregoing is true and correct.

Electronic Submission #120925 verified by the BLM Well Information System

For CHEVRON USA INCORPORATED, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 10/25/2011 (12KMS0145SE)

Name (Printed/Typed) KELLY J HOLLY

Title PERMITTING TECH

Signature (Electronic Submission)

Date 10/20/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS

Title PETROLEUM ENGINEER

Date 11/30/2011

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 Carlsbad

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 ****

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

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

Form C-102
Revised July 16, 2010
Submit to Appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39347	Pool Code 26770	Pool Name Fren; Glorieta-Yeso
Property Code 305607	Property Name SKELLY UNIT	Well Number 665
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3932'

Surface Location

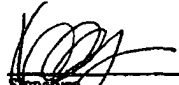
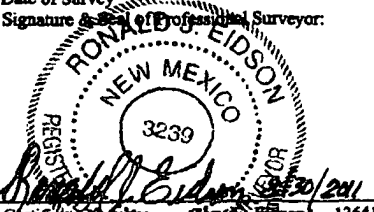
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	17-S	31-E		1183	NORTH	269	EAST	EDDY

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
H	14	17-S	31-E		1650	NORTH	990	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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

TABLE OF SECTION, QUARTER & SIXTEENTH CORNER COORDINATES Ⓐ - Y=670481.4 N, X=653073.5 E Ⓑ - Y=670489.9 N, X=654393.6 E Ⓒ - Y=667839.9 N, X=653088.9 E Ⓓ - Y=667849.2 N, X=654408.6 E GRID AZ.=236°42'37" HORZ. DIST.=859.3' S.L. SEE DETAIL B.H. 990'	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.  10/20/2011 Signature Date Kelly J. Holly Printed Name kholly@concho.com E-mail Address
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=669138.9 N X=653958.5 E BOTTOM HOLE LOCATION Y=668667.4 N X=653240.4 E DETAIL 3937.7' 3937.4' 3928.0' 3934.7'	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. MARCH 12, 2011 Date of Survey Signature of Registered Professional Surveyor:  Certificate Number 3239 Ronald E. Eidson 12641 DSS Rel. W.O. 11/10/06 JWSC W.O. 11/13/874



COG Operating LLC

Eddy County, NM (NAN27 NME)

Skelly Unit #665

Skelly Unit #665

OH

Plan: Plan #2 - 7-7/8" Hole

SHL = 1183' FNL & 269' FEL

BHL = 1660' FNL & 980' FEL

Top of Paddock = 309' S of Surface & 454' W of Surface @ 5220' TVD

Standard Planning Report

13 October, 2011





Scientific Drilling
Planning Report



Database: EDM-Julio
Company: COG Operating LLC
Project: Eddy County, NM (NAN27 NME)
Site: Skelly Unit #665
Well: Skelly Unit #665
Wellbore: OH
Design: Plan #2 - 7-7/8" Hole

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Site Skelly Unit #665
GL Elev @ 3932.00usft
GL Elev @ 3932.00usft
Grid
Minimum Curvature

Project: Eddy County, NM (NAN27 NME)

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site: Skelly Unit #665

Site Position: Northing: 669,138.90 usft Latitude: 32° 50' 18.761 N
From: Map Easting: 653,958.50 usft Longitude: 103° 49' 55.458 W
Position Uncertainty: 0.00 usft Slot Radius: 0" Grid Convergence: 0.27°

Well: Skelly Unit #665

Well Position: +N-S 0.00 usft Northing: 669,138.90 usft Latitude: 32° 50' 18.761 N
+E-W 0.00 usft Easting: 653,958.50 usft Longitude: 103° 49' 55.458 W
Position Uncertainty: 0.00 usft Wellhead Elevation: Ground Level: 3,932.00 usft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/10/12	7.71	60.70	48,922

Design: Plan #2 - 7-7/8" Hole

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.00	0.00	0.00	235.78

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,950.00	0.00	0.00	1,950.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,467.28	10.35	235.78	2,464.48	-26.19	-38.51	2.00	2.00	-24.01	235.78	
6,976.11	10.35	235.78	6,900.00	-481.50	-708.10	0.00	0.00	0.00	0.00	PBHL-SU #665



Scientific Drilling Planning Report



Database: EDM-Julio
Company: COG Operating LLC
Project: Eddy County, NM (NAN27 NME)
Site: Skelly Unit #665
Well: Skelly Unit #665
Wellbore: OH
Design: Plan #2 - 7-7/8" Hole

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Skelly Unit #665
GL Elev @ 3932.00usft
GL Elev @ 3932.00usft
Grid
Minimum Curvature

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
West HL-SU #665 - North HL-SU #665									
1,850.00	0.00	0.00	1,850.00	0.00	0.00	0.00	0.00	0.00	0.00
8-5/8" Casing									
1,950.00	0.00	0.00	1,950.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start Build 2.00°/100'									
2,000.00	1.00	235.78	2,000.00	-0.25	-0.36	0.44	2.00	2.00	0.00
2,100.00	3.00	235.78	2,099.93	-2.21	-3.25	3.93	2.00	2.00	0.00
2,200.00	5.00	235.78	2,199.68	-6.13	-9.01	10.90	2.00	2.00	0.00
2,300.00	7.00	235.78	2,299.13	-12.01	-17.66	21.35	2.00	2.00	0.00
2,400.00	9.00	235.78	2,398.15	-19.83	-29.17	35.27	2.00	2.00	0.00
2,467.28	10.35	235.78	2,464.47	-26.19	-38.51	46.57	2.00	2.00	0.00
EOC hold 10.35°									
2,500.00	10.35	235.78	2,496.66	-29.49	-43.37	52.45	0.00	0.00	0.00
2,600.00	10.35	235.78	2,595.04	-39.59	-58.22	70.41	0.00	0.00	0.00
2,700.00	10.35	235.78	2,693.41	-49.69	-73.07	88.37	0.00	0.00	0.00
2,800.00	10.35	235.78	2,791.78	-59.79	-87.92	106.33	0.00	0.00	0.00
2,900.00	10.35	235.78	2,890.16	-69.89	-102.78	124.29	0.00	0.00	0.00
3,000.00	10.35	235.78	2,988.53	-79.98	-117.63	142.24	0.00	0.00	0.00
3,100.00	10.35	235.78	3,086.91	-90.08	-132.48	160.20	0.00	0.00	0.00
3,200.00	10.35	235.78	3,185.28	-100.18	-147.33	178.16	0.00	0.00	0.00
3,300.00	10.35	235.78	3,283.66	-110.28	-162.18	196.12	0.00	0.00	0.00
3,400.00	10.35	235.78	3,382.03	-120.38	-177.03	214.08	0.00	0.00	0.00
3,500.00	10.35	235.78	3,480.40	-130.48	-191.88	232.04	0.00	0.00	0.00
3,600.00	10.35	235.78	3,578.78	-140.57	-206.73	250.00	0.00	0.00	0.00
3,700.00	10.35	235.78	3,677.15	-150.67	-221.58	267.95	0.00	0.00	0.00
3,800.00	10.35	235.78	3,775.53	-160.77	-236.43	285.91	0.00	0.00	0.00
3,900.00	10.35	235.78	3,873.90	-170.87	-251.28	303.87	0.00	0.00	0.00
4,000.00	10.35	235.78	3,972.28	-180.97	-266.13	321.83	0.00	0.00	0.00
4,100.00	10.35	235.78	4,070.65	-191.06	-280.98	339.79	0.00	0.00	0.00
4,200.00	10.35	235.78	4,169.02	-201.16	-295.83	357.75	0.00	0.00	0.00
4,300.00	10.35	235.78	4,267.40	-211.26	-310.68	375.71	0.00	0.00	0.00
4,400.00	10.35	235.78	4,365.77	-221.36	-325.53	393.66	0.00	0.00	0.00
4,500.00	10.35	235.78	4,464.15	-231.46	-340.38	411.62	0.00	0.00	0.00
4,600.00	10.35	235.78	4,562.52	-241.56	-355.23	429.58	0.00	0.00	0.00
4,700.00	10.35	235.78	4,660.89	-251.65	-370.09	447.54	0.00	0.00	0.00
4,800.00	10.35	235.78	4,759.27	-261.75	-384.94	465.50	0.00	0.00	0.00
4,900.00	10.35	235.78	4,857.64	-271.85	-399.79	483.46	0.00	0.00	0.00
5,000.00	10.35	235.78	4,956.02	-281.95	-414.64	501.42	0.00	0.00	0.00
5,100.00	10.35	235.78	5,054.39	-292.05	-429.49	519.38	0.00	0.00	0.00
5,200.00	10.35	235.78	5,152.77	-302.14	-444.34	537.33	0.00	0.00	0.00
5,268.35	10.35	235.78	5,220.00	-309.05	-454.49	549.61	0.00	0.00	0.00
Top of Paddock									
5,300.00	10.35	235.78	5,251.14	-312.24	-459.19	555.29	0.00	0.00	0.00
5,400.00	10.35	235.78	5,349.51	-322.34	-474.04	573.25	0.00	0.00	0.00
5,500.00	10.35	235.78	5,447.89	-332.44	-488.89	591.21	0.00	0.00	0.00
5,600.00	10.35	235.78	5,546.26	-342.54	-503.74	609.17	0.00	0.00	0.00
5,700.00	10.35	235.78	5,644.64	-352.64	-518.59	627.13	0.00	0.00	0.00
5,800.00	10.35	235.78	5,743.01	-362.73	-533.44	645.09	0.00	0.00	0.00
5,900.00	10.35	235.78	5,841.39	-372.83	-548.29	663.04	0.00	0.00	0.00
6,000.00	10.35	235.78	5,939.76	-382.93	-563.14	681.00	0.00	0.00	0.00
6,100.00	10.35	235.78	6,038.13	-393.03	-577.99	698.96	0.00	0.00	0.00
6,200.00	10.35	235.78	6,136.51	-403.13	-592.84	716.92	0.00	0.00	0.00
6,300.00	10.35	235.78	6,234.88	-413.23	-607.69	734.88	0.00	0.00	0.00



Scientific Drilling Planning Report



Database: EDM-Julio
Company: COG Operating LLC
Project: Eddy County, NM (NAN27 NME)
Site: Skelly Unit #665
Well: Skelly Unit #665
Wellbore: OH
Design: Plan #2 - 7-7/8" Hole

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Skelly Unit #665
GL Elev @ 3932.00usft
GL Elev @ 3932.00usft
Grid
Minimum Curvature

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)
6,400.00	10.35	235.78	6,333.26	-423.32	-622.54	752.84	0.00	0.00	0.00
6,500.00	10.35	235.78	6,431.63	-433.42	-637.40	770.80	0.00	0.00	0.00
6,600.00	10.35	235.78	6,530.00	-443.52	-652.25	788.75	0.00	0.00	0.00
6,700.00	10.35	235.78	6,628.38	-453.62	-667.10	806.71	0.00	0.00	0.00
6,800.00	10.35	235.78	6,726.75	-463.72	-681.95	824.67	0.00	0.00	0.00
6,900.00	10.35	235.78	6,825.13	-473.81	-696.80	842.63	0.00	0.00	0.00
6,976.11	10.35	235.78	6,900.00	-481.50	-708.10	856.30	0.00	0.00	0.00

PBHL-SU #665

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
West HL-SU #665	0.00	0.00	0.00	-471.50	-718.10	668,667.40	653,240.40	32° 50' 14.129 N	103° 50' 3.901 W
- plan misses target center by 859.06usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Rectangle (sides W0.00 H100.00 D0.00)									
North HL-SU #665	0.00	0.00	0.00	-471.50	-718.10	668,667.40	653,240.40	32° 50' 14.129 N	103° 50' 3.901 W
- plan misses target center by 859.06usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Rectangle (sides W300.00 H0.00 D0.00)									
PBHL-SU #665	0.00	0.00	6,900.00	-481.50	-708.10	668,657.40	653,250.40	32° 50' 14.029 N	103° 50' 3.784 W
- plan hits target center									
- Circle (radius 10.00)									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,850.00	1,850.00	8-5/8" Casing	8-5/8	12-1/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,268.35	5,220.00	Top of Paddock		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,950.00	1,950.00	0.00	0.00	KOP Start Build 2.00°/100'
2,467.28	2,464.47	-26.19	-38.51	EOC hold 10.35°



PROJECT DETAILS: Eddy County, NM (NAN27 NME)		Plan: Plan #2 - 7-7/8" Hole (Skelly Unit #665/OH)	
Geodetic System:	US State Plane 1927 (Exact solution) Datum: NAD 1927 (NADCON CONUS) Ellipsoid: Clarke 1866 Zone: New Mexico East 3001	Created By: Julio Pina	Date: 12-Oct-11
System Datum:	Mean Sea Level	Checked: _____	Date: _____
		Reviewed: _____	Date: _____
		Approved: _____	Date: _____