

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM118722

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other: INJ
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other Amended

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
CHEVRON USA INC ✓
Contact: CINDY H MURILLO
E-Mail: CHERRERAMURILLO@CHEVRON.COM

8. Lease Name and Well No.
SALADO DRAW SWD 13 1 ✓

3. Address 1616 W. BENDER BLVD
HOBBS, NM 88240

3a. Phone No. (include area code)
Ph: 575-263-0431

9. API Well No.
30-025-42354 ✓

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At surface SWSW 290FSL 10FWL ✓

At top prod interval reported below SWSW 290FSL 10FWL

At total depth SWSW 290FSL 10FWL

10. Field and Pool, or Exploratory
SWD;DEVONIAN SILURIAN

11. Sec., T., R., M., or Block and Survey
or Area Sec 13 T26S R32E Mer NMP ✓

12. County or Parish
LEA

13. State
NM

14. Date Spudded
02/26/2015

15. Date T.D. Reached
08/08/2015

16. Date Completed
☐ D & A ☒ Ready to Prod.
09/02/2015

17. Elevations (DF, KB, RT, GL)*
3071 GL

18. Total Depth: MD
TVD 18675

19. Plug Back T.D.: MD
TVD 17757

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
HYDROCARBONE WELL LOG

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	16.000 J-55	75.0		747		840		0	
14.750	13.375 J-55	68.0		4547		1100		0	
12.250	9.625 P-110	53.5		12198	6024	1270		0	
8.500	7.625 P-110	39.0		14678		300		11609	
6.500	5.500 P-110	23.0		17825		286		14800	
4.500				18675					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	17720	17760						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
SWD DEVONIAN SULIRIAN	17729	18675	17729 TO 18675			OPEN HOLE- NO PERFS
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
17729 TO 18675	1500 GALLONS 15% HCL ACID

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
			→						SWD-1488
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						FEB 24 2016

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD
FEB 24 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #332098 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation Due: 3/2/16

MAR 14 2016

ay

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
UNKNOWN

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTER	28	700	DOLOMITE	RUSTLER	28
DELAWARE	700	4710	LIMESTONE	DELAWARE	700
BONE SPRING	7285	11375	LIMESTONE/SHALE	BONE SPRING	7285
WOLFCAMP	11375	11926	SHALE	WOLFCAMP	11375
STRAWN	11926	14482	SHALE	STRAWN	11926
ATOKA	14482	14650	LIMESTONE	ATOKA	14482
MORROW	14650	15440	LIMESTONE/SHALE	MORROW	14650
BARNETT SHALE	15440	15840	SHALE	BARNETT SHALE	15440

32. Additional remarks (include plugging procedure):

FORMATION	TOP	BOTTOM	DESCRIPTION	NAME	TOP
MISSISSIPPIAN	15840	17405	LIMESTONE	MISSISSIPPIAN	15840
WOODFORD	17405	17730	SHALE	WOODFORD	17405
TOP SILURIAN	17730	17875	LIMESTONE	SILURIAN	17730

***THIS SUNDRY REPLACES EC #329134 SUBMITTED 01/20/2016. CORRECTED**
****SWD-1488*****

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #332098 Verified by the BLM Well Information System.
For CHEVRON USA INC, sent to the Hobbs
Committed to AFMSS for processing by DEBORAH HAM on 02/24/2016 ()

Name (please print) CINDY H MURILLO

Title PERMITTING SPECIALIST

Signature (Electronic Submission)

Date 02/24/2016

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.

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HOBBS OCD

FEB 29 2016

RECEIVED

Chevron

Lea County, NM (NAD27 NME)

Salado Draw

SWD 13-1

Wellbore #1/Job#1513029

Survey: Phoenix MWD Surveys

Standard Survey Report

03 May, 2015



Survey Report

Company: Chevron
 Project: Lea County, NM (NAD27 NME)
 Site: Salado Draw
 Well: SWD 13-1
 Wellbore: Wellbore #1/Job#1513029
 Design: Surveys (Ensign 769)

Local Co-ordinate Reference: Well SWD 13-1
 TVD Reference: WELL @ 3199.00usft (Ensign 769)
 MD Reference: WELL @ 3199.00usft (Ensign 769)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Compass 5000 GCR

Project Lea County, NM (NAD27 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 Salado Draw

Site Position: Northing: 377,629.00 usft Latitude: 32° 2' 10.68686 N
 From: Map Easting: 715,930.00 usft Longitude: 103° 38' 11.42117 W
 Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 " Grid Convergence: 0.37 °

Well SWD 13-1

Well Position +N/-S 0.00 usft Northing: 377,629.00 usft Latitude: 32° 2' 10.68686 N
 +E/-W 0.00 usft Easting: 715,930.00 usft Longitude: 103° 38' 11.42117 W
 Position Uncertainty 0.00 usft Wellhead Elevation: 0.00 usft Ground Level: 3,171.00 usft

Wellbore Wellbore #1/Job#1513029

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	2/18/2015	7.32	59.90	48,080

Design Surveys (Ensign 769)

Audit Notes:

Version: 1.0 Phase: ACTUAL Tie On Depth: 0.00

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

Survey Program Date 5/3/2015

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
180.00	729.00	Teledrift Surveys (Wellbore #1/Job#15130	MWD	MWD - Standard
791.00	14,680.00	Phoenix MWD Surveys (Wellbore #1/Job#	PHX+MWD+BGGM	PHX+MWD+BGGM v3:standard declination

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)
729.00	0.70	94.00	728.98	-2.79	4.24	-2.79	0.00	0.00	0.00
Tie-in to Teledrift Surveys									
791.00	0.80	85.10	790.97	-2.78	5.05	-2.78	0.25	0.16	-14.35
First Phoenix Survey									
881.00	0.70	98.90	880.96	-2.81	6.22	-2.81	0.23	-0.11	15.33
970.00	0.60	91.90	969.96	-2.91	7.22	-2.91	0.14	-0.11	-7.87
1,059.00	0.40	116.60	1,058.96	-3.06	7.97	-3.06	0.33	-0.22	27.75
1,148.00	0.30	98.40	1,147.95	-3.24	8.48	-3.24	0.17	-0.11	-20.45
1,237.00	0.40	83.00	1,236.95	-3.23	9.01	-3.23	0.15	0.11	-17.30



Survey Report

Company: Chevron
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Site: Salado Draw
Well: SWD 13-1
Wellbore: Wellbore #1/Job#1513029
Design: Surveys (Ensign 769)

Local Co-ordinate Reference: Well SWD 13-1
TVD Reference: WELL @ 3199.00usft (Ensign 769)
MD Reference: WELL @ 3199.00usft (Ensign 769)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Compass 5000 GCR

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)
1,326.00	0.40	100.80	1,325.95	-3.25	9.63	-3.25	0.14	0.00	20.00
1,415.00	0.00	263.70	1,414.95	-3.31	9.93	-3.31	0.45	-0.45	0.00
1,504.00	0.30	295.50	1,503.95	-3.21	9.72	-3.21	0.34	0.34	0.00
1,593.00	0.30	269.80	1,592.95	-3.11	9.28	-3.11	0.15	0.00	-28.88
1,682.00	0.20	291.10	1,681.95	-3.06	8.90	-3.06	0.15	-0.11	23.93
1,772.00	0.30	265.70	1,771.95	-3.02	8.52	-3.02	0.16	0.11	-28.22
1,861.00	0.20	267.90	1,860.94	-3.04	8.13	-3.04	0.11	-0.11	2.47
1,950.00	0.30	301.90	1,949.94	-2.92	7.78	-2.92	0.20	0.11	38.20
2,040.00	0.30	277.20	2,039.94	-2.77	7.35	-2.77	0.14	0.00	-27.44
2,129.00	0.40	287.30	2,128.94	-2.65	6.82	-2.65	0.13	0.11	11.35
2,218.00	0.50	264.60	2,217.94	-2.59	6.13	-2.59	0.23	0.11	-25.51
2,307.00	0.50	284.80	2,306.94	-2.53	5.37	-2.53	0.20	0.00	22.70
2,396.00	0.50	277.20	2,395.93	-2.38	4.61	-2.38	0.07	0.00	-8.54
2,485.00	0.80	282.40	2,484.93	-2.20	3.62	-2.20	0.34	0.34	5.84
2,574.00	0.80	287.10	2,573.92	-1.88	2.42	-1.88	0.07	0.00	5.28
2,664.00	0.80	272.90	2,663.91	-1.67	1.19	-1.67	0.22	0.00	-15.78
2,753.00	0.90	275.10	2,752.90	-1.57	-0.13	-1.57	0.12	0.11	2.47
2,842.00	0.90	276.40	2,841.89	-1.43	-1.52	-1.43	0.02	0.00	1.46
2,931.00	0.90	274.10	2,930.88	-1.30	-2.91	-1.30	0.04	0.00	-2.58
3,021.00	1.00	271.40	3,020.86	-1.24	-4.40	-1.24	0.12	0.11	-3.00
3,110.00	1.00	272.60	3,109.85	-1.18	-5.95	-1.18	0.02	0.00	1.35
3,199.00	0.60	270.80	3,198.84	-1.14	-7.19	-1.14	0.45	-0.45	-2.02
3,288.00	0.10	46.60	3,287.84	-1.08	-7.60	-1.08	0.76	-0.56	152.58
3,377.00	0.20	79.60	3,376.84	-1.00	-7.39	-1.00	0.14	0.11	37.08
3,467.00	0.40	65.30	3,466.84	-0.84	-6.95	-0.84	0.24	0.22	-15.89
3,556.00	0.60	73.20	3,555.84	-0.57	-6.22	-0.57	0.24	0.22	8.88
3,645.00	0.60	73.70	3,644.83	-0.31	-5.33	-0.31	0.01	0.00	0.56
3,734.00	0.50	85.00	3,733.83	-0.14	-4.50	-0.14	0.17	-0.11	12.70
3,823.00	0.60	78.10	3,822.82	-0.01	-3.65	-0.01	0.13	0.11	-7.75
3,912.00	0.70	78.40	3,911.82	0.19	-2.67	0.19	0.11	0.11	0.34
4,002.00	0.90	95.80	4,001.81	0.23	-1.42	0.23	0.35	0.22	19.33
4,091.00	1.00	101.20	4,090.80	0.01	0.03	0.01	0.15	0.11	6.07
4,180.00	1.10	102.20	4,179.78	-0.32	1.63	-0.32	0.11	0.11	1.12
4,269.00	1.10	114.30	4,268.76	-0.85	3.24	-0.85	0.26	0.00	13.60
4,358.00	1.20	118.90	4,357.75	-1.66	4.84	-1.66	0.15	0.11	5.17
4,447.00	0.70	128.10	4,446.73	-2.44	6.08	-2.44	0.59	-0.56	10.34
4,477.00	0.60	148.10	4,476.73	-2.69	6.31	-2.69	0.82	-0.33	66.67
4,642.00	0.80	159.10	4,641.72	-4.50	7.18	-4.50	0.15	0.12	6.67
4,731.00	0.30	170.30	4,730.72	-5.31	7.44	-5.31	0.57	-0.56	12.58
4,820.00	0.30	140.70	4,819.71	-5.72	7.62	-5.72	0.17	0.00	-33.26
4,910.00	0.30	96.70	4,909.71	-5.93	8.01	-5.93	0.25	0.00	-48.89
4,999.00	0.60	130.00	4,998.71	-6.25	8.60	-6.25	0.43	0.34	37.42
5,088.00	0.20	168.40	5,087.71	-6.71	8.98	-6.71	0.52	-0.45	43.15



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Survey Calculation Method: Minimum Curvature
Database: Compass 5000 GCR

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)
5,177.00	0.40	283.80	5,176.71	-6.78	8.71	-6.78	0.58	0.22	129.66
5,267.00	0.70	279.30	5,266.70	-6.62	7.87	-6.62	0.34	0.33	-5.00
5,356.00	0.30	286.40	5,355.70	-6.47	7.11	-6.47	0.45	-0.45	7.98
5,445.00	0.30	269.60	5,444.70	-6.40	6.65	-6.40	0.10	0.00	-18.88
5,534.00	0.70	293.00	5,533.70	-6.19	5.92	-6.19	0.50	0.45	26.29
5,623.00	0.50	298.80	5,622.69	-5.79	5.08	-5.79	0.23	-0.22	6.52
5,712.00	0.60	297.20	5,711.69	-5.39	4.32	-5.39	0.11	0.11	-1.80
5,801.00	0.60	294.10	5,800.68	-4.99	3.48	-4.99	0.04	0.00	-3.48
5,891.00	0.80	286.30	5,890.67	-4.62	2.45	-4.62	0.25	0.22	-8.67
5,980.00	0.60	292.60	5,979.67	-4.27	1.42	-4.27	0.24	-0.22	7.08
6,069.00	0.80	275.70	6,068.66	-4.03	0.37	-4.03	0.32	0.22	-18.99
6,158.00	0.80	271.30	6,157.65	-3.95	-0.87	-3.95	0.07	0.00	-4.94
6,247.00	0.60	281.40	6,246.65	-3.84	-1.94	-3.84	0.26	-0.22	11.35
6,336.00	0.70	296.70	6,335.64	-3.51	-2.89	-3.51	0.22	0.11	17.19
6,425.00	0.40	282.10	6,424.64	-3.20	-3.68	-3.20	0.37	-0.34	-16.40
6,514.00	0.40	269.60	6,513.63	-3.14	-4.29	-3.14	0.10	0.00	-14.04
6,604.00	0.50	277.30	6,603.63	-3.09	-4.99	-3.09	0.13	0.11	8.56
6,693.00	0.80	253.80	6,692.63	-3.21	-5.98	-3.21	0.44	0.34	-26.40
6,782.00	0.80	255.60	6,781.62	-3.54	-7.17	-3.54	0.03	0.00	2.02
6,871.00	0.70	220.40	6,870.61	-4.11	-8.13	-4.11	0.52	-0.11	-39.55
6,961.00	0.90	230.00	6,960.60	-4.98	-9.03	-4.98	0.27	0.22	10.67
7,050.00	0.70	220.50	7,049.59	-5.84	-9.92	-5.84	0.27	-0.22	-10.67
7,139.00	1.00	237.70	7,138.58	-6.67	-10.92	-6.67	0.44	0.34	19.33
7,229.00	0.90	234.00	7,228.57	-7.51	-12.16	-7.51	0.13	-0.11	-4.11
7,318.00	1.00	249.40	7,317.56	-8.19	-13.45	-8.19	0.31	0.11	17.30
7,407.00	0.90	241.60	7,406.55	-8.80	-14.79	-8.80	0.18	-0.11	-8.76
7,497.00	1.00	225.80	7,496.53	-9.68	-15.98	-9.68	0.31	0.11	-17.56
7,586.00	0.90	255.90	7,585.52	-10.39	-17.21	-10.39	0.56	-0.11	33.82
7,675.00	0.90	257.70	7,674.51	-10.71	-18.58	-10.71	0.03	0.00	2.02
7,766.00	0.80	238.20	7,765.50	-11.20	-19.81	-11.20	0.33	-0.11	-21.43
7,856.00	0.90	242.30	7,855.49	-11.86	-20.97	-11.86	0.13	0.11	4.56
7,945.00	0.90	238.50	7,944.48	-12.55	-22.19	-12.55	0.07	0.00	-4.27
8,034.00	0.30	198.30	8,033.48	-13.13	-22.86	-13.13	0.78	-0.67	-45.17
8,124.00	0.60	108.90	8,123.47	-13.51	-22.49	-13.51	0.74	0.33	-99.33
8,213.00	0.60	111.20	8,212.47	-13.83	-21.61	-13.83	0.03	0.00	2.58
8,302.00	0.70	115.40	8,301.46	-14.23	-20.68	-14.23	0.12	0.11	4.72
8,392.00	0.70	126.40	8,391.46	-14.79	-19.75	-14.79	0.15	0.00	12.22
8,481.00	0.60	132.80	8,480.45	-15.43	-18.97	-15.43	0.14	-0.11	7.19
8,570.00	0.60	135.50	8,569.45	-16.08	-18.30	-16.08	0.03	0.00	3.03
8,659.00	0.40	135.30	8,658.44	-16.64	-17.75	-16.64	0.22	-0.22	-0.22
8,749.00	0.40	153.20	8,748.44	-17.14	-17.39	-17.14	0.14	0.00	19.89
8,838.00	0.30	169.20	8,837.44	-17.65	-17.21	-17.65	0.16	-0.11	17.98
8,927.00	0.10	215.20	8,926.44	-17.94	-17.21	-17.94	0.27	-0.22	51.69
9,017.00	0.30	232.50	9,016.44	-18.15	-17.44	-18.15	0.23	0.22	19.22



Survey Report

Company: Chevron
Project: Lea County, NM (NAD27 NME)
Site: Salado Draw
Well: SWD 13-1
Wellbore: Wellbore #1/Job#1513029
Design: Surveys (Ensign 769)

Local Co-ordinate Reference: Well SWD 13-1
TVD Reference: WELL @ 3199.00usft (Ensign 769)
MD Reference: WELL @ 3199.00usft (Ensign 769)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Compass 5000 GCR

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)
9,106.00	0.20	223.30	9,105.44	-18.40	-17.73	-18.40	0.12	-0.11	-10.34
9,195.00	0.50	254.20	9,194.43	-18.62	-18.21	-18.62	0.39	0.34	34.72
9,284.00	0.70	285.70	9,283.43	-18.58	-19.11	-18.58	0.43	0.22	35.39
9,373.00	0.70	328.60	9,372.42	-17.97	-19.91	-17.97	0.58	0.00	48.20
9,462.00	1.10	358.30	9,461.41	-16.65	-20.22	-16.65	0.68	0.45	33.37
9,551.00	1.40	354.60	9,550.39	-14.71	-20.35	-14.71	0.35	0.34	-4.16
9,641.00	1.50	349.50	9,640.36	-12.46	-20.67	-12.46	0.18	0.11	-5.67
9,730.00	1.50	354.40	9,729.33	-10.15	-20.99	-10.15	0.14	0.00	5.51
9,820.00	1.60	14.90	9,819.30	-7.77	-20.79	-7.77	0.62	0.11	22.78
9,909.00	1.50	23.60	9,908.27	-5.50	-20.00	-5.50	0.29	-0.11	9.78
9,999.00	1.10	21.80	9,998.24	-3.62	-19.21	-3.62	0.45	-0.44	-2.00
10,088.00	0.70	23.50	10,087.23	-2.33	-18.67	-2.33	0.45	-0.45	1.91
10,177.00	0.60	28.20	10,176.23	-1.42	-18.24	-1.42	0.13	-0.11	5.28
10,266.00	0.60	44.10	10,265.22	-0.67	-17.69	-0.67	0.19	0.00	17.87
10,356.00	0.60	68.70	10,355.22	-0.16	-16.93	-0.16	0.28	0.00	27.33
10,445.00	0.40	88.90	10,444.21	0.01	-16.18	0.01	0.30	-0.22	22.70
10,534.00	0.60	213.10	10,533.21	-0.37	-16.12	-0.37	1.00	0.22	139.55
10,624.00	1.20	224.70	10,623.20	-1.44	-17.04	-1.44	0.69	0.67	12.89
10,713.00	1.30	215.80	10,712.18	-2.92	-18.29	-2.92	0.25	0.11	-10.00
10,802.00	1.70	220.90	10,801.15	-4.73	-19.75	-4.73	0.47	0.45	5.73
10,891.00	1.80	225.70	10,890.11	-6.71	-21.61	-6.71	0.20	0.11	5.39
10,981.00	1.90	229.60	10,980.06	-8.66	-23.76	-8.66	0.18	0.11	4.33
11,070.00	2.20	234.90	11,069.00	-10.60	-26.28	-10.60	0.40	0.34	5.96
11,159.00	2.20	241.00	11,157.94	-12.41	-29.17	-12.41	0.26	0.00	6.85
11,249.00	1.80	246.50	11,247.88	-13.81	-31.98	-13.81	0.49	-0.44	6.11
11,338.00	1.70	240.80	11,336.84	-15.01	-34.41	-15.01	0.23	-0.11	-6.40
11,428.00	1.60	248.20	11,426.81	-16.13	-36.74	-16.13	0.26	-0.11	8.22
11,517.00	1.50	250.20	11,515.77	-16.99	-38.99	-16.99	0.13	-0.11	2.25
11,606.00	1.40	248.70	11,604.74	-17.78	-41.10	-17.78	0.12	-0.11	-1.69
11,695.00	1.40	246.60	11,693.72	-18.60	-43.11	-18.60	0.06	0.00	-2.36
11,784.00	1.20	239.10	11,782.69	-19.51	-44.91	-19.51	0.29	-0.22	-8.43
11,873.00	1.30	238.60	11,871.67	-20.52	-46.57	-20.52	0.11	0.11	-0.56
11,963.00	1.20	231.90	11,961.65	-21.63	-48.19	-21.63	0.20	-0.11	-7.44
12,051.00	1.30	230.40	12,049.63	-22.84	-49.68	-22.84	0.12	0.11	-1.70
12,134.00	1.30	233.40	12,132.61	-24.00	-51.16	-24.00	0.08	0.00	3.61
12,210.00	1.40	238.30	12,208.59	-25.00	-52.64	-25.00	0.20	0.13	6.45
12,300.00	1.20	239.40	12,298.57	-26.06	-54.39	-26.06	0.22	-0.22	1.22
12,389.00	1.00	247.00	12,387.55	-26.84	-55.91	-26.84	0.28	-0.22	8.54
12,478.00	0.80	258.90	12,476.54	-27.26	-57.23	-27.26	0.31	-0.22	13.37
12,567.00	0.70	277.00	12,565.53	-27.31	-58.38	-27.31	0.29	-0.11	20.34
12,656.00	0.40	312.30	12,654.53	-27.04	-59.15	-27.04	0.49	-0.34	39.66
12,746.00	0.50	319.10	12,744.52	-26.53	-59.64	-26.53	0.13	0.11	7.56
12,835.00	0.60	316.40	12,833.52	-25.90	-60.22	-25.90	0.12	0.11	-3.03



Survey Report

Company: Chevron
Project: Lea County, NM (NAD27 NME)
Site: Salado Draw
Well: SWD 13-1
Wellbore: Wellbore #1/Job#1513029
Design: Surveys (Ensign 769)

Local Co-ordinate Reference: Well SWD 13-1
TVD Reference: WELL @ 3199.00usft (Ensign 769)
MD Reference: WELL @ 3199.00usft (Ensign 769)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Compass 5000 GCR

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)
12,924.00	0.60	312.40	12,922.51	-25.25	-60.88	-25.25	0.05	0.00	-4.49
13,013.00	0.60	313.50	13,011.51	-24.61	-61.56	-24.61	0.01	0.00	1.24
13,102.00	0.60	290.00	13,100.51	-24.13	-62.34	-24.13	0.27	0.00	-26.40
13,192.00	0.70	267.50	13,190.50	-23.99	-63.33	-23.99	0.30	0.11	-25.00
13,281.00	0.70	260.00	13,279.49	-24.11	-64.41	-24.11	0.10	0.00	-8.43
13,370.00	0.70	264.50	13,368.49	-24.26	-65.49	-24.26	0.06	0.00	5.06
13,461.00	0.50	282.70	13,459.48	-24.22	-66.43	-24.22	0.30	-0.22	20.00
13,550.00	0.60	279.80	13,548.48	-24.06	-67.27	-24.06	0.12	0.11	-3.26
13,640.00	0.40	295.10	13,638.47	-23.85	-68.01	-23.85	0.27	-0.22	17.00
13,740.00	0.30	265.40	13,738.47	-23.72	-68.59	-23.72	0.20	-0.10	-29.70
13,829.00	0.30	282.60	13,827.47	-23.69	-69.05	-23.69	0.10	0.00	19.33
13,918.00	0.40	251.70	13,916.47	-23.73	-69.57	-23.73	0.24	0.11	-34.72
14,008.00	0.70	276.30	14,006.47	-23.77	-70.42	-23.77	0.42	0.33	27.33
14,097.00	0.70	270.90	14,095.46	-23.70	-71.50	-23.70	0.07	0.00	-6.07
14,186.00	0.80	296.50	14,184.45	-23.42	-72.60	-23.42	0.39	0.11	28.76
14,275.00	0.90	296.70	14,273.44	-22.83	-73.78	-22.83	0.11	0.11	0.22
14,365.00	0.70	290.00	14,363.43	-22.32	-74.93	-22.32	0.24	-0.22	-7.44
14,454.00	0.80	309.90	14,452.43	-21.74	-75.92	-21.74	0.31	0.11	22.36
14,543.00	1.00	309.00	14,541.41	-20.85	-77.00	-20.85	0.23	0.22	-1.01
14,620.00	1.10	309.10	14,618.40	-19.96	-78.09	-19.96	0.13	0.13	0.13
14,680.00	1.10	309.10	14,678.39	-19.23	-78.99	-19.23	0.00	0.00	0.00

Projection to Bit

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
729.00	728.98	-2.79	4.24	Tie-in to Teledrift Surveys
791.00	790.97	-2.78	5.05	First Phoenix Survey
14,680.00	14,678.39	-19.23	-78.99	Projection to Bit

Checked By: _____

Approved By: _____

Date: _____

Phoenix Technology Services SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER

1513029

ENERGY COMPANY

Chevron

WELL NAME

Salado Draw SWD 13-1

COUNTY & STATE

Lea County, New Mexico

API WELL NUMBER

30-025-42354

PROPOSED DIRECTION

0.00

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
729. ft	728.98 ft	0.70	94.00	2.79 ft	4.24 ft	GYRO

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
3-Mar-15	791.00 ft	0.80	85.10

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
2-May-15	14,620.00 ft	1.10	309.10

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
2-May-15	14,680.00 ft	1.10	309.10

Ian Benedetti

PRINT YOUR NAME ABOVE

Ian Benedetti

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	
	6.95
DECLINATION OR GRID	GRID

3-May-15

TODAY'S DATE

MWD SUPERVISOR 1

Ian Benedetti

DIRECTIONAL DRILLER 1

Sid Richardson

MWD SUPERVISOR 2

Benjamin Cheney

DIRECTIONAL DRILLER 2

Mikel Gordon

12329 Cutten Rd., Houston, Texas 777066

(713)337-0600 (Voice), (713)337-0599 (Fax)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☒ AMENDED REPORT

HOBBS
FEB 29 2015
RECEIVED

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CHEVRON USA INC 1616 W. BENDER BLVD HOBBS, NM 88240		² OGRID Number 4323
		³ Reason for Filing Code/ Effective Date NEW WELL COMPLETION 09/03/2015
⁴ API Number 30 - 025-42354	⁵ Pool Name SWD; DEVONIAN; SILURIAN	⁶ Pool Code 97869
⁷ Property Code 314003	⁸ Property Name SALADO DRAW SWD 13	⁹ Well Number #1

II. ¹⁰ Surface Location

UL or lot no M	Section 13	Township 26S	Range 33E	Lot Idn	Feet from the 290	North/South Line SOUTH	Feet from the 10	East/West line WEST	County LEA
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¹¹ Bottom Hole Location

UL or lot no M	Section 13	Township 26S	Range 33E	Lot Idn	Feet from the 290	North/South line SOUTH	Feet from the 10	East/West line WEST	County LEA
¹² Lse Code F	¹³ Producing Method Code INJ	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W

IV. Well Completion Data

SWD- 1488A

²¹ Spud Date 02/21/2015	²² Ready Date 09/03/2015	²³ TD 18,675	²⁴ PBD 17,757	²⁵ Perforations 17,875-18,675	²⁶ DHIC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
20	16	737'	840 SX		
14 3/4	13 3/8	4547'	1100 SX		
12 1/4	9 5/8	12,198	1270 SX		
8 1/2	7 5/8	14,680	650 SX		
6 1/2	5 1/2	17,820	330 SX		

V. Well Test Data

³¹ Date New Oil 08/25/2015	³² Gas Delivery Date 08/25/2015	³³ Test Date 09/01/2015	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size 28/64	³⁸ Oil 1270	³⁹ Water 940	⁴⁰ Gas 2019		⁴¹ Test Method FLOWING

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Cindy Herrera Murillo

Printed name:
CINDY HERRERA-MURILLO

Title:
PERMITTING SPECIALIST

E-mail Address:
CHERRERAMURILLO@CHEVRON.COM

Date:
01/20/2015

Phone:
575-263-0431

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

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UL or lot no M	Section 13	Township 26S	Range 33E	Lot Idn 32E	Feet from the 290	North/South Line SOUTH	Feet from the 10	East/West line WEST	County LEA
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SWD- 1488A

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³⁷ Choke Size 28/64	³⁸ Oil 1270	³⁹ Water 940	⁴⁰ Gas 2019		⁴¹ Test Method FLOWING

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Cindy Herrera-Murillo*

Printed name:
CINDY HERRERA-MURILLO

Title:
PERMITTING SPECIALIST

E-mail Address:
CHERRERAMURILLO@CHEVRON.COM

Date:
12/17/2015

Phone:
575-263-0431

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: