<u>District I</u> 1625 N. French Drive, Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM

87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-B Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 S. St Francis Drive Santa Fe, New Mexico 87505 Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICA	ATION FOR SURFACE (COMMINGLING	(DIVERSE	OWNERSHIP)	
OPERATOR NAME:	Chevron USA Inc				
OPERATOR ADDRESS:	6301 Deauville Blvd Midland, TX 79706				
APPLICATION TYPE:	PPLICATION TYPE:				
☐ Pool Commingling ☐ Lease	e Commingling Pool and Lease Cor	mmingling Off-Lease	Storage and Measur	ement (Only if not Surfac	e Commingled)
LEASE TYPE:	ee 🗌 State 🔀 Feder	ral			
	sting Order? Yes No If anagement (BLM) and State Land				ingling
		L COMMINGLINGS with the following in			
(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes
Upper Wolfcamp (98065)	48.6 API/2200 BTU	COMMINGLED GRAVITY/		N/A	
Jennings Upper Bone Spring (97	7838) 45.6 API/2200 BTU	BTU CONTENT 47 API/ 2200 BTU			
		_			
	at top allowables? ☐Yes ☒No				
		SE COMMINGLIN			
	Please attach sheet	s with the following in	nformation		
(1) Pool Name and Code.	c to $\Box v$				
	ne source of supply? \square Yes \square Non notified by certified mail of the prop		□Yes □N	0	
	letering				
	` /	LEASE COMMIN			
(1) 0 1 0 1		s with the following ir	<u>iformation</u>		
(1) Complete Sections A and	Е.				
	(D) OFF-LEASE ST	ORAGE and MEA	SUREMENT		
		ets with the following			
(1) Is all production from same source of supply? Yes No					
(2) Include proof of notice to	an interest owners.				
	(E) ADDITIONAL INFO	RMATION (for all swith the following in		pes)	
(1) A schematic diagram of fa	acility, including legal location.	the ronowing in			
(2) A plat with lease boundari	ies showing all well and facility locati	ons. Include lease number	ers if Federal or Sta	te lands are involved.	
(3) Lease Names, Lease and V	Well Numbers, and API Numbers.				
I hereby certify that the informat	tion above is true and complete to the	best of my knowledge an	d belief.		
SIGNATURE: Cindy A		TLE: Sr HSE Regulatory		DATE:06/	14/2023
\mathcal{O}	indy Herrera-Murillo		TEL	EPHONE NO.: <u>575-2</u>	63-0431
E-MAIL ADDRESS: eeof@	@chevron.com				



June 14, 2023

RE:

Application to commingle the WC-025 G-08 S263205N Upper Wolfcamp (Pool Code 98065), Jennings Upper Bone Spring Shale (Pool Code 97838), WC-025 G-08 S253235G; Lwr Bone Spring (Pool code 97903) pools, Lea County, NM.

Chevron U.S.A. Inc. seeks administrative approval, pursuant to 19.15.12.10 NMAC, for pool commingling of oil and gas production from the Pools to include all existing and future wells producing from the leases described in Exhibit A.

Exhibit B below is a map of all leases described in Exhibit A. Of note, the wells in Exhibit A are planned to be aggregated into a single Communitization (COMM) Agreement (COMM number TBD). Leases aggregated under the proposed COMM Agreement (COMM number TBD) are explicitly noted in Exhibit B.

Chevron U.S.A. Inc. ("Chevron") respectfully requests authority to commingle production from all wells, including any future infill wells contained within the leases or pools described in Exhibit A, Exhibit B, and/or COMM Agreement (COMM number TBD). Chevron requests authority to add future wells by filing a Subsequent Report Sundry to the Bureau of Land Management for Federal approval and filing a C-103Z and C-102 with the NMOCD.

Pursuant to 19.15.12.10.C.(4)(g) NMAC, Chevron also seeks approval to prospectively include additional pools and/or leases. All owners with interest in the leases in Exhibits A and B have been notified of this commingle application and the parameters set forth herein. Accordingly, notice under this provision will only be required to owners of additional pools and/or leases.

All wells and future wells governed by this commingling application are planned to tie into the following facilities:

- Salado Draw Section 23 CTB, located in the SESW (UL:N & O), Sec. 23, T26S-R32E.
- Salado Draw Section 14 Satellite, located in NENW (UL:C), Sec. 14, T26S-R32E.
- Salado Draw Section 15 Satellite, located in NWSE (UL:J), Sec. 15, T26S-R32E.

Commingled gas will be used for gas lift purposes downstream of the commingling point and in concert with appropriate BLM approvals.

Table 1: Salado Draw Sec 23 CTB Well List

Well Name	API Number
SD WE 14 Federal P5 1H	30-025-42800
SD WE 14 Federal P5 2H	30-025-42801
SD WE 23 Federal P5 1H	30-025-42802
SD WE 23 Federal P5 2H	30-025-42803

APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY

Chevron U.S.A. Inc.

Salado Draw Central Tank Battery #23, Satellite #14, and Satellite #15

SD WE 14 Federal P7 3H	30-025-43086
SD WE 14 Federal P7 4H	30-025-43087
SD WE 23 Federal P7 3H	30-025-43088
SD WE 23 Federal P7 4H	30-025-43089
SD WE 15 Federal P9 5H	30-025-43640
SD WE 15 Federal P9 6H	30-025-43641
SD WE 15 Federal P9 7H	30-025-43642
SD WE 15 Federal P12 1H	30-025-43613
SD WE 15 Federal P12 2H	30-025-43594
SD WE 15 Federal P12 3H	30-025-43595
Kiehne Ranch 15 26 32 USA 1H	30-025-40602
SD WE 23 Federal P25 5H	30-025-43460
SD WE 23 Federal P25 6H	30-025-43461
SD WE 23 Federal P25 7H	30-025-43462

Table 2: Salado Draw Sec 14 Satellite Well List

Well Name	API Number
SD 14 23 Federal P18 9H	30-025-45867
SD 14 23 Federal P18 10H	30-025-45819
SD 14 23 Federal P18 11H	30-025-45820
SD 14 23 Federal P18 12H	30-025-45821
SD 14 23 Federal P19 17H	30-025-45706
SD 14 23 Federal P19 18H	30-025-45825
SD 14 23 Federal P19 19H	30-025-45707
SD 14 23 Federal P19 20H	30-025-45826
SD 14 23 FED P343 421H	30-025-49785
SD 14 23 FED P343 422H	30-025-49786
SD 14 23 FED P343 423H	30-025-49787
SD 14 23 FED P344 424H	30-025-49788
SD 14 23 FED P344 425H	30-025-49789
SD 14 23 FED P344 426H	30-025-4979

Table 3: Salado Draw Sec 15 Satellite Well List

Well Name	API Number
SD 15 Federal P418 8H	30-025-46726
SD 15 Federal P418 9H	30-025-46728
SD 15 Federal P418 10H	30-025-46729
SD 15 Federal P419 11H	30-025-46730
SD 15 Federal P419 12H	30-025-46731
SD 15 Federal P419 13H	30-025-46810
SD 15 Federal P419 14H	30-025-46732

APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY

Chevron U.S.A. Inc.

Salado Draw Central Tank Battery #23, Satellite #14, and Satellite #15

List of Exhibits

Exhibit A – Lease and pool tables

Exhibit B - Lease map

Exhibit C - Section 23 CTB narrative

Exhibit D - Section 23 CTB, Sat 4, & Sat 15 Oil and Gas Allocation Methodology

Exhibit E - Section 23 CTB Site Security Diagram

Exhibit F - Section 14 Satellite & Section 15 Satellite Narrative

Exhibit G – Section 14 Satellite Site Security Diagram

Exhibit H – Section 15 Satellite Site Security Diagram

Exhibit I - Salado Draw Area Map

Exhibit J – C-102s

Exhibit K - Interest Owner Name & Address/Proof of Notifications/Publications



June 14, 2023

Exhibit C - Section 23 CTB Narrative

Oil Processing & Metering

Salado Draw Section 23 Central Tank Battery (CTB) is located in the SESW of Section 23 T26S, R32E. Raw hydrocarbon liquids will be onboarded at Section 23 CTB either directly from well flowlines or via the bulk liquids lines from Salado Draw Section 14 Satellite and Salado Draw Section 15 Satellite respectively. Salado Draw Section 23 CTB has three separation trains. Each train consists of an Inlet Separator, a Heater Production Separator, and a Heater Treater arranged in a series configuration. Oil is successively separated by these vessels within each train. Once commingled oil is separated, it is sent to common on-site oil tanks and sold through one of three common LACT units (SN: 0606364186, 1804736081, & 324312) located at the Section 23 CTB.

Gas Processing & Metering

Salado Draw Section 23 Compressor Station (CS) is located immediately adjacent to Section 23 CTB in the SESW of Section 23 T26S, R32E. Gas is separated from liquids at the Section 23 CTB within each train via successive separation vessels. Once separated, gas is collected into a common low pressure gas header where it is either metered by a parallel pair of orifice meters for sales (S/Ns: D1000005 & 150043483) or compressed at Section 23 CS and circulated into the Salado Draw Gas Lift distribution network for infield gas lift use. All wells referenced in this sundry application consume gas from the Salado Draw Gas Lift distribution network for the purposes of gas lift. Individual well's gas lift volumes are measured via dedicated gas lift orifice meters (one per well); meter serial numbers are noted in the tables below.

Table 1: Salado Draw Sec 23 CTB Well List

Well Name	API Number	Gas Lift Meter S/N
SD WE 14 Federal P5 1H	30-025-42800	120247451018
SD WE 14 Federal P5 2H	30-025-42801	120198771045
SD WE 23 Federal P5 1H	30-025-42802	120247451010
SD WE 23 Federal P5 2H	30-025-42803	120251752039
SD WE 14 Federal P7 3H	30-025-43086	120251752023
SD WE 14 Federal P7 4H	30-025-43087	120255483020
SD WE 23 Federal P7 3H	30-025-43088	120251752044
SD WE 23 Federal P7 4H	30-025-43089	120247451077
SD WE 15 Federal P9 5H	30-025-43640	S0223930
SD WE 15 Federal P9 6H	30-025-43641	S0223952
SD WE 15 Federal P9 7H	30-025-43642	S0223928
SD WE 15 Federal P12 1H	30-025-43613	150094031
SD WE 15 Federal P12 2H	30-025-43594	150093985
SD WE 15 Federal P12 3H	30-025-43595	150094026
Kiehne Ranch 15 26 32 USA 1H	30-025-40602	160044978

APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY Chevron U.S.A. Inc.

Exhibit C – Section 23 CTB Narrative

SD WE 23 Federal P25 5H	30-025-43460	Sf-18861
SD WE 23 Federal P25 6H	30-025-43461	Sf-18860
SD WE 23 Federal P25 7H	30-025-43462	Sf-18883

Table 2: Salado Draw Sec 14 Satellite Well List

Well Name	API Number	Gas Lift Meter S/N
SD 14 23 Federal P18 9H	30-025-45867	160108572
SD 14 23 Federal P18 10H	30-025-45819	190099584
SD 14 23 Federal P18 11H	30-025-45820	160078119
SD 14 23 Federal P18 12H	30-025-45821	160078000
SD 14 23 Federal P19 17H	30-025-45706	160070438
SD 14 23 Federal P19 18H	30-025-45825	160010475
SD 14 23 Federal P19 19H	30-025-45707	160024813
SD 14 23 Federal P19 20H	30-025-45826	160024812
SD 14 23 FED P343 421H	30-025-49785	TBD
SD 14 23 FED P343 422H	30-025-49786	TBD
SD 14 23 FED P343 423H	30-025-49787	TBD
SD 14 23 FED P344 424H	30-025-49788	TBD
SD 14 23 FED P344 425H	30-025-49789	TBD
SD 14 23 FED P344 426H	30-025-49790	TBD

Table 3: Salado Draw Sec 15 Satellite Well List

Well Name	API Number	Gas Lift Meter S/N
SD 15 Federal P418 8H	30-025-46726	152261
SD 15 Federal P418 9H	30-025-46728	152439
SD 15 Federal P418 10H	30-025-46729	152294
SD 15 Federal P419 11H	30-025-46730	154863
SD 15 Federal P419 12H	30-025-46731	154871
SD 15 Federal P419 13H	30-025-46810	151991
SD 15 Federal P419 14H	30-025-46732	152621

Future wells: TBD.

Produced Water Processing

Produced water will likewise be separated within each train at the Section 23 CTB and stored onsite in common water tanks prior to being measured by a vortex meter before transfer to the Salado Draw Water Disposal network.

The flow of production is further detailed in Exhibit E – Section 23 CTB and CS Site Security Diagram and Exhibit I – Salado Draw Area Map.

The commingling in this way will not result in reduced royalty or improper measurement of production. The proposed commingling of gas for gas lift of wells will reduce the number of surface facilities, provide for a more economic facility design and reduce overall emissions by having more efficient gas compression utilization.



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Exhibit D – Section 23 CTB and Sections 14 & 15 Sat Oil & Gas Allocation Methodology

Salado Draw SAT #14 and #15 contains test separators for well test and allocation measurement of oil, gas and produced water. Each test separator will have a dedicated Coriolis meter for oil measurement, an orifice meter for gas measurement, and a vortex meter for produced water measurement. Wells producing into SAT #14 and #15 will be produced, one at a time, through a test separator to meet well test requirements.

At each SAT #14 and #15, once a well is measured for well test and allocation purposes, all three production phases (oil, water, and gas) will be commingled with all wells producing into SAT #14 and #15 respectively. The commingled stream will then pass through a 2-phase separator where the gas will be removed from the liquids. Gas will then be measured for allocation purposes by two orifice meters arranged in parallel before being transported by pipeline to the CTB #23 low pressure gas header system, where it will be commingled with all gas from CTB #23. The liquids leaving the 2-phase separators will be transported to CTB #23 trains 2 & 3 via pipeline and commingled with all wells produced into CTB #23 train 2 & 3.

At CTB #23 Train 1, once a well is measured for well test and allocation purposes, all three production phases will be commingled with all wells producing into CTB #23 Train 1. The resulting production stream will be separated and metered as described in Exhibit C – Section 3 CTB Narrative and illustrated in Exhibit E – Section 23 CTB & CS Site Security Diagram.

At CTB #23 Trains 2 & 3, once a well is measured for well test and allocation purposes, all three production phases will be commingled with all wells producing into CTB #23 Trains 2 & 3 respectively. Liquids from SAT #14 and SAT #15 are commingled with all production from CTB #23 Trains 2 & 3 via a common header. The resulting commingled production stream will be separated and metered as described in Exhibit C – Section 3 CTB Narrative and illustrated in Exhibit E – Section 23 CTB & CS Site Security Diagram.

Oil sales will be allocated per well based on the ratio of well test volumes to total allocation meter volumes for the same period. This ratio will be multiplied by the total volume of oil sold as measured by the CTB #23 LACT meters and allocated back to the lease(s).

Upon approval of any proposed communitization agreements, the communitized area will be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

Gas sales will be allocated per well based on the ration of well test volumes to total well test volumes (for all wells) then multiplied by the total sales gas volumes for the same period. See Exhibit C – Section 23 CTB Narrative and Exhibit E – Section 23 CTB Site Security Diagram for gas sales meter configurations.



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Exhibit F – Sections 14 Satellite & Section 15 Satellite Narrative

Oil & Water Processing & Metering

Salado Draw Section 15 Satellite (SAT) is located in the NWSE corner of Section 15 T26S, R32E. Raw hydrocarbon liquids are onboarded at Section 15 SAT directly from wells. Gas and liquids are separated by a 2-phase Inlet Separator. Once gas and liquids are separated, liquids are transported to Section 23 CTB for separation and sales. Aside from well tests (as described in Exhibit D – Section 23 CTB and Sections 14 & 15 Sat Oil and Gas Allocation Methodology), oil and water are not directly measured for allocation at Satellite 15.

Salado Draw Section 14 Satellite (SAT) is located in the NWSE corner of Section 14 T26S, R32E. Raw hydrocarbon liquids are onboarded at Section 14 SAT directly from wells. Gas and liquids are separated by a 2-phase Inlet Separator. Once gas and liquids are separated, liquids are transported to Section 23 CTB for separation and sales. Aside from well tests (as described in Exhibit D – Section 23 CTB and Sections 14 & 15 Sat Oil and Gas Allocation Methodology), oil and water are not directly measured for allocation at Satellite 14.

Gas Processing & Metering

Salado Draw Section 23 Compressor Station (CS) is located in the SESW corner of Section 23 T26S-R32E. Gas is separated from liquids at Sections 14 & 15 SAT by a 2-phase separator.

At Section 15 SAT, separated gas is measured by a pair of parallel orifice meters (S/N: 160154057, 160154058). After measurement, gas enters a common low pressure gathering pipeline where it is transported to Section 23 CTB and commingled with gas from SAT 14.

At Section 14 SAT, separated gas is measured by a pair of parallel orifice meters (S/N: 160152812, 160152811). After measurement, gas enters a common low pressure gathering pipeline where it is transported to Section 23 CTB and commingled with gas from SAT 15.

Upon onboarding at CTB #23, gas is commingled into the common low pressure gas header system. Commingled gas is then either sold to a third-party pipeline company via a pair of parallel Central Delivery Point (CDP) meters (See Exhibit C – Section 23 CTB Narrative) or transferred to CS #23 for compression and subsequent infield gas lift use. Individual-well gas lift volumes are measured via dedicated gas lift orifice meters (one per well). Individual well gas lift meter serial numbers are noted in Exhibit C – Section 3 CTB Narrative.

The flow of production is further detailed in Exhibit G – Section 14 Satellite Site Security Diagram, Exhibit H – Section 15 Satellite Site Security Diagram, and Exhibit I – Salado Draw Area Map.

Commingling in this way will not result in reduced royalty or improper measurement of production. The proposed commingling of gas for gas lift of wells will reduce the number of surface facilities, provide for a more economic facility design, and reduce overall emissions by having more efficient gas compression utilization.

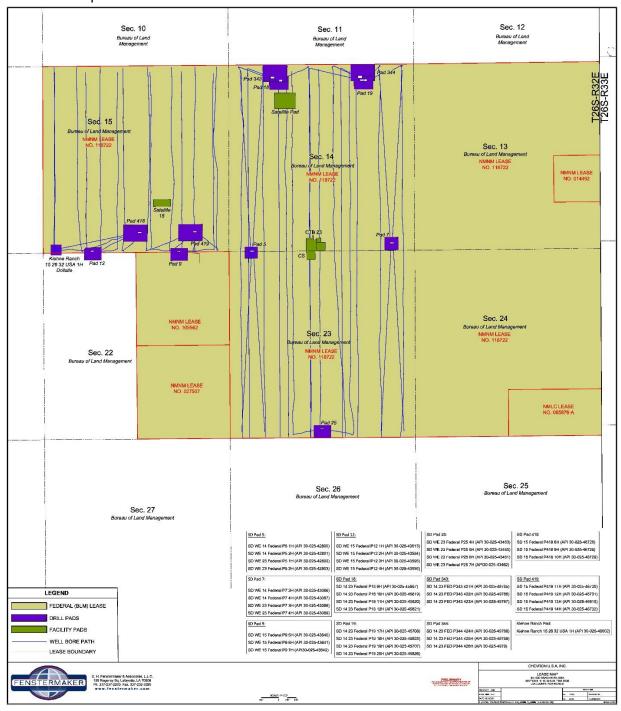


Chevron North America Exploration and Production Company(A Chevron U.S.A. Inc. Division)

(A Chevron U.S.A. Inc. Division 6301 Deauville Blvd Midland, TX 79706

June 14, 2023

Exhibit B - Lease Map





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Exhibit C - Section 23 CTB Narrative

Oil Processing & Metering

Salado Draw Section 23 Central Tank Battery (CTB) is located in the SESW of Section 23 T26S, R32E. Raw hydrocarbon liquids will be onboarded at Section 23 CTB either directly from well flowlines or via the bulk liquids lines from Salado Draw Section 14 Satellite and Salado Draw Section 15 Satellite respectively. Salado Draw Section 23 CTB has three separation trains. Each train consists of an Inlet Separator, a Heater Production Separator, and a Heater Treater arranged in a series configuration. Oil is successively separated by these vessels within each train. Once commingled oil is separated, it is sent to common on-site oil tanks and sold through one of three common LACT units (SN: 0606364186, 1804736081, & 324312) located at the Section 23 CTB.

Gas Processing & Metering

Salado Draw Section 23 Compressor Station (CS) is located immediately adjacent to Section 23 CTB in the SESW of Section 23 T26S, R32E. Gas is separated from liquids at the Section 23 CTB within each train via successive separation vessels. Once separated, gas is collected into a common low pressure gas header where it is either metered by a parallel pair of orifice meters for sales (S/Ns: D1000005 & 150043483) or compressed at Section 23 CS and circulated into the Salado Draw Gas Lift distribution network for infield gas lift use. All wells referenced in this sundry application consume gas from the Salado Draw Gas Lift distribution network for the purposes of gas lift. Individual well's gas lift volumes are measured via dedicated gas lift orifice meters (one per well); meter serial numbers are noted in the tables below.

Table 1: Salado Draw Sec 23 CTB Well List

Well Name	API Number	Gas Lift Meter S/N
SD WE 14 Federal P5 1H	30-025-42800	120247451018
SD WE 14 Federal P5 2H	30-025-42801	120198771045
SD WE 23 Federal P5 1H	30-025-42802	120247451010
SD WE 23 Federal P5 2H	30-025-42803	120251752039
SD WE 14 Federal P7 3H	30-025-43086	120251752023
SD WE 14 Federal P7 4H	30-025-43087	120255483020
SD WE 23 Federal P7 3H	30-025-43088	120251752044
SD WE 23 Federal P7 4H	30-025-43089	120247451077
SD WE 15 Federal P9 5H	30-025-43640	S0223930
SD WE 15 Federal P9 6H	30-025-43641	S0223952
SD WE 15 Federal P9 7H	30-025-43642	S0223928
SD WE 15 Federal P12 1H	30-025-43613	150094031
SD WE 15 Federal P12 2H	30-025-43594	150093985
SD WE 15 Federal P12 3H	30-025-43595	150094026
Kiehne Ranch 15 26 32 USA 1H	30-025-40602	160044978

APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY C

Chevron U.S.A. Inc.

Exhibit C – Section 23 CTB Narrative

SD WE 23 Federal P25 5H	30-025-43460	Sf-18861
SD WE 23 Federal P25 6H	30-025-43461	Sf-18860
SD WE 23 Federal P25 7H	30-025-43462	Sf-18883

Table 2: Salado Draw Sec 14 Satellite Well List

Well Name	API Number	Gas Lift Meter S/N
SD 14 23 Federal P18 9H	30-025-45867	160108572
SD 14 23 Federal P18 10H	30-025-45819	190099584
SD 14 23 Federal P18 11H	30-025-45820	160078119
SD 14 23 Federal P18 12H	30-025-45821	160078000
SD 14 23 Federal P19 17H	30-025-45706	160070438
SD 14 23 Federal P19 18H	30-025-45825	160010475
SD 14 23 Federal P19 19H	30-025-45707	160024813
SD 14 23 Federal P19 20H	30-025-45826	160024812
SD 14 23 FED P343 421H	30-025-49785	TBD
SD 14 23 FED P343 422H	30-025-49786	TBD
SD 14 23 FED P343 423H	30-025-49787	TBD
SD 14 23 FED P344 424H	30-025-49788	TBD
SD 14 23 FED P344 425H	30-025-49789	TBD
SD 14 23 FED P344 426H	30-025-49790	TBD

Table 3: Salado Draw Sec 15 Satellite Well List

Well Name	API Number	Gas Lift Meter S/N
SD 15 Federal P418 8H	30-025-46726	152261
SD 15 Federal P418 9H	30-025-46728	152439
SD 15 Federal P418 10H	30-025-46729	152294
SD 15 Federal P419 11H	30-025-46730	154863
SD 15 Federal P419 12H	30-025-46731	154871
SD 15 Federal P419 13H	30-025-46810	151991
SD 15 Federal P419 14H	30-025-46732	152621

Future wells: TBD.

Produced Water Processing

Produced water will likewise be separated within each train at the Section 23 CTB and stored onsite in common water tanks prior to being measured by a vortex meter before transfer to the Salado Draw Water Disposal network.

The flow of production is further detailed in Exhibit E – Section 23 CTB and CS Site Security Diagram and Exhibit I – Salado Draw Area Map.

The commingling in this way will not result in reduced royalty or improper measurement of production. The proposed commingling of gas for gas lift of wells will reduce the number of surface facilities, provide for a more economic facility design and reduce overall emissions by having more efficient gas compression utilization.



June 14, 2023

Exhibit K - Interest Owner Name & Address/ Proof of Notification / Publication

Interest Owner Names & Addresses:

SD Kiehne Ranch Pad – W/2 W/2 Section 15 (Pool Code: 97838) Well Name: Kiehne Ranch 15 26 32 USA #001H

SD Pad 5 – W/2 W/2 Section 14 (Pool Code: 97838); W/2 W/2 Section 23 (Pool Code: 97838) Well Names: SD WE 14 Federal P5 001H & 002H; SD WE 23 Federal P5 001H & 002H

SD Pad 7 – E/2 E/2 Section 14 (Pool Code: 97838); E/2 E/2 Section 23 (Pool Code: 97838) Well Names: SD WE 14 Federal P7 003H & 004H: SD WE 23 Federal P7 003H & 004H

SD Pad 9 – W/2 E/2 Section 15 (Pool Code: 97838); E/2 E/2 Section 15 (Pool Code: 97838) Well Names: SD WE 15 Federal P9 005H, 006H, 007H

SD Pad 12 – W/2 W/2 Section 15 (Pool Code: 97838); E/2 W/2 Section 15 (Pool Code: 97838) Well Names: SD WE 15 Federal P12 001H, 002H, 003H

SD Pad 18 – W/2 Section 14 & 23 (Pool Code: 98065) Well Names: SD 14 23 Federal P18 009H, 0010H, 0011H, 0012H

SD Pad 19 – E/2 Section 14 & 23 (Pool Code: 98065) Well Names: SD 14 23 Federal P19 0017H, 0018H 0019H, 0020H

SD Pad 25 – E/2 W/2 Section 14 & 23 (Pool Code: 97838) W/2 E/2 Section 14 & 23 (Pool Code: 97838) Well Names: SD WE 23 Federal P25 005H, 006H, 007H

SD Pad 418 – W/2 W/2 Section 15 (Pool Code: 98065); E/2 W/2 Section 15 (Pool Code: 98065) Well Names: SD 15 Federal P418 008H, 009H, 010H

SD Pad 419 – W/2 E/2 Section 15 (Pool Code: 98065); E/2 E/2 Section 15 (Pool Code: 98065) Well Names: SD 15 FEDERAL P419 011H, 012H, 013H, 014H

SD Pad 343 – W/2 Section 14 & 23 (Pool Code: 97903) Well Names: SD 14 23 FEDERAL P343 421H, 422H, 423H

SD Pad 344 – E/2 Section 14 & 23 (Pool Code: 97903)

Well Names: SD 14 23 FEDERAL P343 424H, 425H, 426H

Interest	Name	Address	City	State	Zip Code
WI	CHEVRON USA INC	PO BOX 4791	HOUSTON	TX	77210-4791
RI	BUREAU OF LAND MANAGEMENT/ONRR	PO BOX 25627	DENVER	CO	80225-0627
	BUREAU OF LAND MANAGEMENT/ONRR	301 DINOSAUR TR	SANTA FE	NM	87508

Certified Mailing Numbers:

APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY

Chevron U.S.A. Inc.

Salado Draw CTB #23 and Satellite #14 and 15

Name	Certified Mail Number
Chevron U.S.A. Inc.	N/A
Bureau of Land Management	
Office of Natural Resource Revenue	



June 14, 2023

Exhibit K - Interest Owner Name & Address/ Proof of Notification / Publication

Interest Owner Names & Addresses:

SD Kiehne Ranch Pad – W/2 W/2 Section 15 (Pool Code: 97838) Well Name: Kiehne Ranch 15 26 32 USA #001H

SD Pad 5 – W/2 W/2 Section 14 (Pool Code: 97838); W/2 W/2 Section 23 (Pool Code: 97838) Well Names: SD WE 14 Federal P5 001H & 002H; SD WE 23 Federal P5 001H & 002H

SD Pad 7 – E/2 E/2 Section 14 (Pool Code: 97838); E/2 E/2 Section 23 (Pool Code: 97838) Well Names: SD WE 14 Federal P7 003H & 004H: SD WE 23 Federal P7 003H & 004H

SD Pad 9 – W/2 E/2 Section 15 (Pool Code: 97838); E/2 E/2 Section 15 (Pool Code: 97838) Well Names: SD WE 15 Federal P9 005H, 006H, 007H

SD Pad 12 – W/2 W/2 Section 15 (Pool Code: 97838); E/2 W/2 Section 15 (Pool Code: 97838) Well Names: SD WE 15 Federal P12 001H, 002H, 003H

SD Pad 18 – W/2 Section 14 & 23 (Pool Code: 98065) Well Names: SD 14 23 Federal P18 009H, 0010H, 0011H, 0012H

SD Pad 19 – E/2 Section 14 & 23 (Pool Code: 98065) Well Names: SD 14 23 Federal P19 0017H, 0018H 0019H, 0020H

SD Pad 25 – E/2 W/2 Section 14 & 23 (Pool Code: 97838) W/2 E/2 Section 14 & 23 (Pool Code: 97838) Well Names: SD WE 23 Federal P25 005H, 006H, 007H

SD Pad 418 – W/2 W/2 Section 15 (Pool Code: 98065); E/2 W/2 Section 15 (Pool Code: 98065) Well Names: SD 15 Federal P418 008H, 009H, 010H

SD Pad 419 – W/2 E/2 Section 15 (Pool Code: 98065); E/2 E/2 Section 15 (Pool Code: 98065) Well Names: SD 15 FEDERAL P419 011H, 012H, 013H, 014H

SD Pad 343 – W/2 Section 14 & 23 (Pool Code: 97903) Well Names: SD 14 23 FEDERAL P343 421H, 422H, 423H

SD Pad 344 – E/2 Section 14 & 23 (Pool Code: 97903)

Well Names: SD 14 23 FEDERAL P343 424H, 425H, 426H

Interest	Name	Address	City	State	Zip Code
WI	CHEVRON USA INC	PO BOX 4791	HOUSTON	TX	77210-4791
RI	BUREAU OF LAND MANAGEMENT/ONRR	PO BOX 25627	DENVER	CO	80225-0627
	BUREAU OF LAND MANAGEMENT/ONRR	301 DINOSAUR TR	SANTA FE	NM	87508

Certified Mailing Numbers:

APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY

Chevron U.S.A. Inc.

Salado Draw CTB #23 and Satellite #14 and 15

Name	Certified Mail Number
Chevron U.S.A. Inc.	N/A
Bureau of Land Management	
Office of Natural Resource Revenue	

SEP 2 1 2015

District I State of New Mexico OBB Energy Minerals & Natural Resources Department Phone: (575) 393-6161 Fax: (575) 3930 District II 811 S. First St. Artesia, NM 88210 OIL CONSERVATION DIVISION Phone: (575) 748-1283 Fax: (575) 748-9720 District III District III 1000 Rio Brazos Road, Azecc, NM 87410 DEC 0 5 2016 1220 South St. Francis Dr. Phone: (505) 334-6178 Fax: (505) 334-6170 Santa Fe, NM 87505 District IV DISTRICT V.
1220 S. St. Francis Dr., Santa Fe, NM 8750S
Phone: (505) 476-3460 Fax: (505) 476-3460 ECEIVED WELL LOCATION AND ACREAGE DEDICATION PLAT API Number

RECEIVED Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

" AS Dulld"

30-025- 42800 91838 Jennings, Ipper Lone Spring Shale

'Property Code
'Property Code
'Property Name

315268
SD WE 14 FED P5

'OgerID No
'Operator Name
CHEVRON U.S.A. INC.

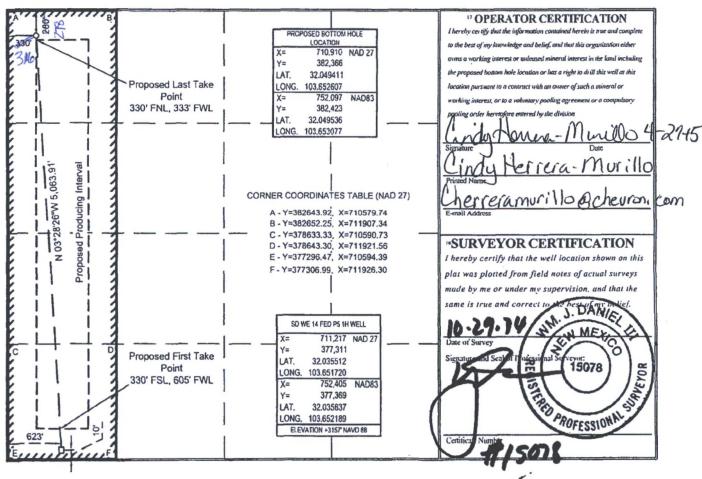
Surface Location

UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County

M 14 26 SOUTH 32 EAST, N.M.P.M. 10' SOUTH 623' WEST LEA

" Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South line East/West line UL or lot no Feet from the County Section Township Range WEST 26 SOUTH 32 EAST, N.M.P.M. NORTH 330 LEA 13 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 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.



Form C-102

District Office

Fee Lease . 3 copies

AMENDED REPORT

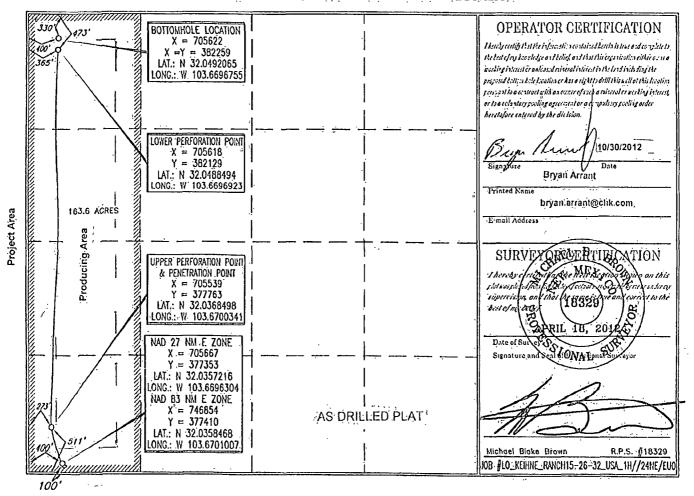
DISTRICT I State of New Mexico 1625 N French Dr., Hobbs, NM 85240 HOBBS OOD ergy, Minerals, and Natural Resources Department Revised August 1, 2011 Phone: (575) 393-6161 Fax (575) 893-0720 DISTRICT II Submit one copy to appropriate 811 S. First St., Artesia, NM 88210 OIL CONSERVATION DIVISION Phone: (575) 748-1283 Fax: (575) 748-9720 2012 1000 Rio Brazos Rd., Asico NM 8741800 0 5 2012 Phone: (605) 334/6178 Fax: (605) 334-6170 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 1220 S. St. Francis Dr., Santa Fe, NM 6750 RECEIVED Phone: (505) 476-3160 Fax: (503) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025-40602	² Pcol Code 97838	WILDCAT G-05 S263208P; BONE SPRING					
Property Code 97838	KIĖHNĖ R	RANCH 15 26 32 USA					
10GRID No.	CHESAPEA	Operator Name: KE OPERATING, INC.	⁹ Elevation 3144'				

10 Surface Location Uli or lot no. Section Township Lot Idn Feet from the East/West line Range North/South line County Feet from the 26 SOUTH 100' M 15 32 EAST, N.M.P.M SOUTH 400 WEST LEA

11 Bottom Hole Location If Different From Surface Ulior lot no Section Township Lot Idn Feet from the North/South line East/West line Feet from the County 336.5006 26 SOUTH 400° D 15 32 EAST, N.M.P.M. NORTH < WEST LEÁ 12 Decicated Acres 13 Joint or Infill Consolidation Code 15, Order No NSL 6673 163.6

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



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

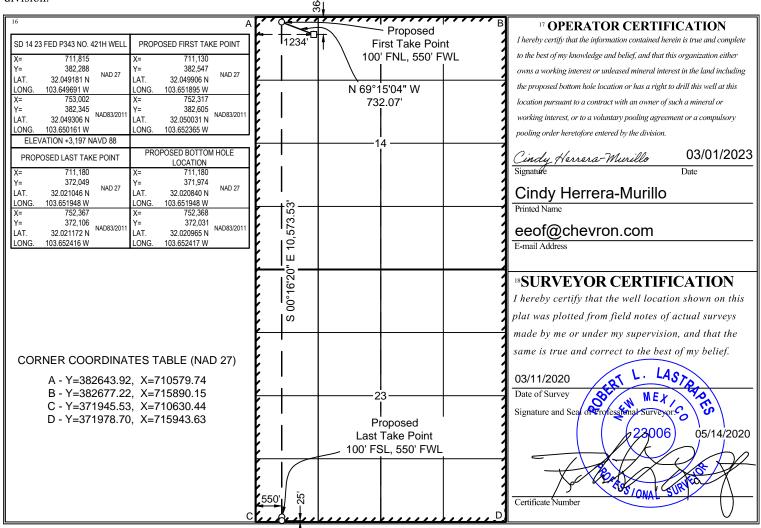
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe 30-025-49785		WC-025 G08 S25323G LWR	BONE SPRING			
⁴ Property Code	⁵ Pr	Property Name 6 Well Number				
332380	SD 14	23 FED P343	421H			
⁷ OGRID No.	⁸ O _I	perator Name	⁹ Elevation			
4323	CHEVR	ON U.S.A. INC.	3197'			

	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			
D	14	26 SOUTH	32 EAST, N.M.P.M.		364'	NORTH	1234'	WEST	LEA			
	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			
M	23	26 SOUTH	32 EAST, N.M.P.M.		25'	SOUTH	550'	WEST	LEA			
¹² Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No.												
640												

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.



<u>District I</u> 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 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410

Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u> 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

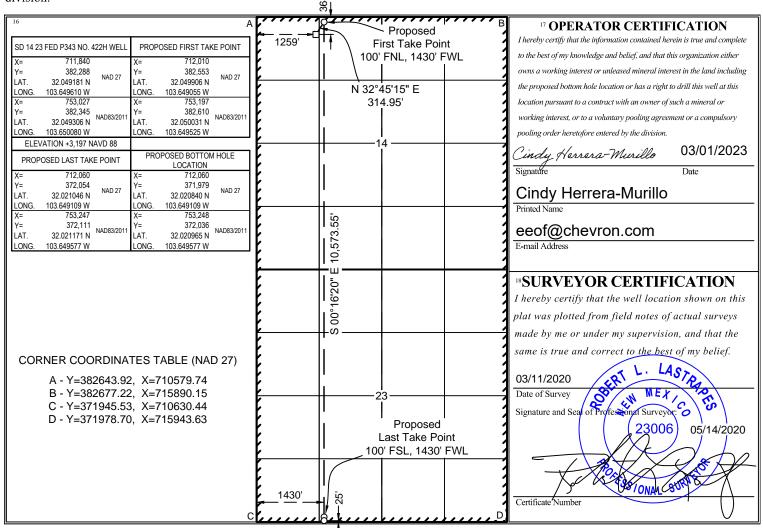
WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025-49786		WC-025 G08 S25323G; LWR BON	NE SPRING			
⁴ Property Code	⁵ Pr	roperty Name 6 Well Number				
332380	SD 14	14 23 FED P343 422H				
⁷ OGRID No.	8 O ₁	perator Name	⁹ Elevation			
4323	CHEVR	ON U.S.A. INC.	3197'			

¹⁰ Surface Location

				E GI	race Bocar	1011			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	14	26 SOUTH	32 EAST, N.M.P.M.		364'	NORTH	1259'	WEST	LEA
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
N	23	26 SOUTH	32 EAST, N.M.P.M.		25'	SOUTH	1430'	WEST	LEA
12 Dedicated A	cres 13 Join	nt or Infill	¹⁴ Consolidation Code ¹⁵	Order No.					
640									

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.



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u> 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

X AMENDED REPORT

"As-Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

	¹ API Num	ıber	² Pool C	ode		³ Pool Name					
30-025-45867 98065 WC-025 G-08 S263205N; UPPER WO							R WOLFO	CAMP 🖊			
⁴ Proper	ty Code			⁵ P:	roperty Name			,		Well Number	
325	5387			SD 1	4 23 FED P18					9H	
⁷ OGR	ID No.			8 O	perator Name				⁹ Elevation		
43	23			CHEVR	TRON U.S.A. INC. 3196'						
		•		10 Sur	face Locati	ion					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/	West line	County	
C	14	26 SOUTH	32 EAST, N.M.P.M.		455'	NORTH	NORTH 1380' W			LEA	
	¹¹ Bottom Hole Location If Different From Surface							,	SL		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/\	West line	County	

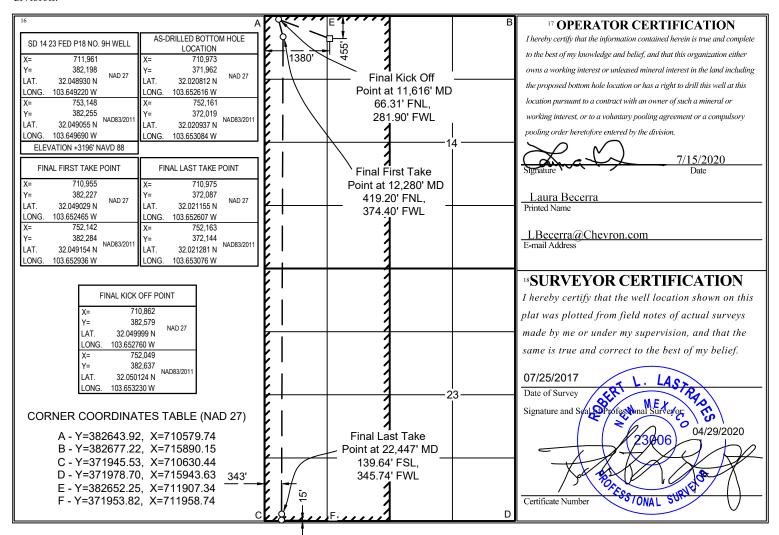
UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County

M 23 26 SOUTH 32 EAST, N.M.P.M. 15' SOUTH 343' WEST LEA

12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.

15 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.



i by O	CD: 0/14/	2023 3:40:	JZ PWI											rag
Inten	t	As Dril	led X		Rec'd 8/12/2020 - NMOCD									
API#	0-025-4	15867												
	rator Nar		1		Property Name: Well Num							Well Number		
	CHEV/D			6 D	14 23		D D 1	0				9H		
	SHEVR	ON USA	INC			30	14 23	ГС	JPI	0				ЭП
	255 2 1 1	(1405)												
	Off Point		T	T	г								T -	
UL D	Section 14	Township 26S	Range 32E	Lot	Feet 66		From N		Feet 2	32		n E/W VL	County L	EA
Latitu	ude 050124			'	Longitu 103.6		230			'			NAD 8	2/86
32.	030124	<u> </u>			103.0	000	230						INAD	3700
First ⁻	Take Poin	it (FTP)												
UL	Section	Township	Range	Lot	Feet		From N	/S	Feet		From	ı E/W	County	
D	14	26S	32E		419		FNI		37	4	F۱	٧Ĺ	LE/	4
32.0	uae 049154	ļ			Longitu 103.6	ngitude NAD NAD 83/86						3/86		
					I									
Last 1	Γake Poin	t (LTP)												
UL	Section	Township	Range	Lot	Feet		m N/S	Feet		From		Count	•	
Latitu	23 ude	26S	32E		L	140 FSL 346 FWL LEA ongitude NAD					LEA			
32.0	021281				103.6	03.653076 NAD 86/86						; 		
								_		7				
Is this	s well the	defining v	vell for th	e Hori:	zontal S _l	oacin	g Unit?		NO					
Is this	s well an	infill well?		YES										
	ll is yes p ng Unit.	lease prov	ide API if	availak	ole, Opei	rator	Name a	and v	vell n	umber	for [Definir	ng well fo	r Horizontal
API #	025-458	20												
	rator Nar					Pro	perty N	ame	:					Well Number
C		LICA INI	_			0.0	14.00		J D4	0				4411
CHEVRON USA INC							SD 14 23 FED P18						11H	

KZ 06/29/2018

Rec'd 8/12/2020 - NMOCD

Page 22 of 90

Schlumberger

Schlumberger Drilling and Measurements

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone: (432) 742-5400 (Main) : (432) 742-5606 (Shared)

November 25, 2019

Chevron USA Incorporated 6301 Deauville Blvd Midland, TX 79706

S14, T26S, R32E Lea, NM

N 32.049055 W -103.64969

Re:

Chevron USA Incorporated CLIENT:

WELL: SD 14 23 Fed P18 9H FIELD: Upper Wolcamp

RIG: Nabors X30

COUNTY: Lea

API NO: 30-025-45867 JOB NO: 19MLI0077

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

Name & Title of Surveyor	<u>Drainhole Number</u>	Surveyed Depths	<u>Dates Performed</u>	Type of Survey
Tom Brady	SD 14 23 Fed P18 9H	879.00 Ft to	October 29, 2019 to	TelePacer
FE	Original Hole	22510.00 Ft	November 11, 2019	SlimPulse

Rec'd 8/12/2020 - NMOCD

Schlumberger Page 23 of 90

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone: (432) 742-5400 (Main) : (432) 742-5606 (Shared)

Well Reference:

S14, T26S, R32E Lea, NM N 32.049055 W -103.64969

I, Tom Brady certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 29, 2019 through November 11, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 879.00 feet to a depth of 22510.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Chevron USA Incorporated for the SD 14 23 Fed P18 9H Well (Original Hole) API No. 30-025-45867 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By Tom Brady

Subscribed and Sworn to before me this

My Commission expires:

Notary Public

(signature)

(County State)

Jean-Paul Langlois Notary Public in and for

Schlumberger-Private

Schlumberger



Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft Survey Report

(Def Survey)

Report Date: Client: Field: Structure / Slot: Well: Borehole:

UWI / API#: Survey Name: Survey Date: Tort / AHD / DDI / ERD Ratio: Coordinate Reference System: November 11, 2019

Location Lat / Long: Location Grid N/E Y/X:

CRS Grid Convergence Angle: Grid Scale Factor: Version / Patch:

November 13, 2019 - 05:50 AM Chevron NM Lea County (NAD 27) Chevron SD 14 23 FED Pad 18 / 9H SD 14 23 Fed P18 9H SD 14 23 Fed P18 9H Unknown / 30-025-45867 Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft

325.107 ° / 11879.019 ft / 6.857 / 0.979
NAD27 New Mexico State Plane, Eastern Zone, US Feet N 32° 2' 56 15259", W 103° 38' 57 19216"

N 382198 000 ftUS, E 711961 000 ftUS 0.3630 ° 0.99996055

2.10.782.0

Minimum Curvature / Lubinski 179.730 ° (Grid North) 0.000 ft, 0.000 ft Survey / DLS Computation: Vertical Section Azimuth: Vertical Section Origin: RKB = 32.6ft 3228.600 ft above MSL TVD Reference Datum: TVD Reference Elevation: Seabed / Ground Elevation: 3196,000 ft above MSL 6.618 ° 998.4327mgn (9.80665 Based) Magnetic Declination: Total Gravity Field Strength:

Gravity Model: GARM Total Magnetic Field Strength: Magnetic Dip Angle: 47663,386 nT 59.626 °

November 11, 2019 HDGM 2019 Declination Date: Magnetic Declination Model: North Reference: Grid North Grid Convergence Used: 0.3630 Total Corr Mag North->Grid North: 6.2549 Local Coord Referenced To: Well Head

Comments	MD (ft)	inci (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	OM
Adjusted KB	33.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00	0.00	270.38M
First 3rd Party Survey	201.90 287.90	0.50 0.60	270.38 178.38	201.90 287.90	-0.01 0.44	0.00 -0.44	-0.74 -1.10	0.74 1.19	270.38 248.07	0.30 0.92	178.38M 161.38M
	375.90	0.50	161,38	375.89	1,26	-1.27	-0.96	1.59	217,26	0.22	212.38M
	466.90	0.50	212.38	466.89	1.97	-1.98	-1.05	2.24	207.94	0.47	296.38M
	558.90 651.90	0.30 0.50	296.38 121.38	558.89 651.89	2.20 2.31	-2.21 -2.31	-1.48 -1.35	2.66 2.68	213.81 210.30	0.60 0.86	121.38M 39.38M
Last 3rd Party Survey	761.90	0.50	39.38	761.88	2.19	-2.19	-0.64	2.28	196.22	0.60	141.06M
First SLB MWD Survey	879.00	0.18	141.06	878.98	1.94	-1.94	-0.20	1.95	185.83	0.48	268.16M
	973.00	1.56	268.16	972.97	2.09	-2.10	-1.38	2.51	213.43	1.78	278.98M
	1067.00 1161.00	3.59 5.05	278.98 284.59	1066.87 1160.60	1.65 0.12	-1.68 -0.18	-5.57 -12.48	5.82 12.48	253.23 269.19	2.21 1.62	284.59M 282.95M
	1255.00	6.23	282.95	1254.14	-2.11	2.01	-12.46 -21.46	12.46 21.55	275.35	1.62	288.81M
	1350.00	7.51	288.81	1348.46	-5.32	5.17	-32.36	32.77	279.07	1.53	297.67M
	1444.00	9.02	297.67	1441.49	-10.78	10.57	-44.70	45.93	283.30	2.10	8,88R
	1539.00	10.45	298.90	1535.12	-18.47	18.19	-58.84	61.59	287.18	1.52	27.06L
	1633.00 1727.00	11.50 11.58	296.24 296.36	1627.40 1719.50	-26.81 -35.22	26.45 34.79	-74.71 -91.56	79.25 97.95	289.50 290.80	1,24 0,09	16.76R 122.26R
	1821.00	11.51	296.92	1811.59	-43.73	43.22	-108.38	116.68	291.74	0.14	137.97L
	1916.00	11.39	296.37	1904.70	-52.27	51.68	-125.24	135.48	292.42	0.17	7.44L
	2010.00	11.59	296.24	1996.82	-60.64	59.98	-142.02	154.17	292.89	0.21	90R
	2105.00	11.59	296.52	2089.88	-69.21	68.46	-159.12	173.22	293,28	0.06	160.2L
	2199.00 2293.00	11.54 11.18	296.43 296.83	2181.97 2274.13	-77.69 -86.06	76.86 85.16	-175.99 -192.54	192.04 210.53	293.59 293.86	0.06 0.39	167.85R 73.27L
	2388.00	11.45	292.77	2367.29	-93.95	92.96	-209.45	229.16	293.93	0.89	60.9L
	2482.00	12.54	284.72	2459.24	-100.24	99.17	-227.93	248.57	293.51	2.12	48.36L
	2577.00	13.03	282.33	2551.89	-105.24	104.07	-248.37	269.29	292.74	0.76	168.38R
	2671.00 2765.00	12.73 12.83	282.61 283.06	2643.52 2735.19	-109.86 -114.58	108.60 113.22	-268.82 -289.10	289.93 310.48	292.00 291.39	0.33 0.15	45.09R 157.29R
	2954.00	12.63	285.23	2919.85	-114.56	123.03	328.16	350.46	290.55	0.15	176.15L
	3143.00	10.73	284.85	3105.21	134.32	132.61	363.78	387.19	290.03	0.56	177.18L
	3236.00	9.83	284.59	3196.72	-138.61	136.82	-379.83	403.72	289.81	0.97	3.77L
	3331.00	10.86	284.23	3290.17	-142.93	141.07	-396.35	420.71	289.59	1.09	94.9R
	3426.00 3520.00	10.84 12.09	285.68 289,22	3383.47 3475.60	-147.63 -153.34	145.68 151.31	-413.63 -431.44	438.53 457.20	289.40 289.33	0.29 1.53	31.12R 170.76R
	3614.00	10.71	290.43	3567.74	-159.71	157.60	-448.92	475.78	289.34	1.49	22.8L
	3708.00	11.39	288.99	3660.00	-165.86	163.67	-465.88	493.79	289.36	0.78	175.62L
	3802.00	11.04	288.85	3752.20	-171.87	169.60	-4 83.17	512.07	289.34	0.37	178.34R
	3897.00 3991.00	10.30 10.28	288.97 289.50	3845.56 3938.05	-177.65 -183.26	175.30 180.83	-499.81 -515.67	529.66 546.45	289.33 289.32	0.78 0.10	102.19R 18.96R
	4085.00	10.28	290.64	4030.44	-189.27	186.77	-531.90	563.74	289.35	0.10	9.23R
	4180.00	12.62	291.91	4123.45	196.40	193.81	-549.94	583.09	289.41	1.82	178.61L
	4274.00	11.86	291.82	4215.31	-203.91	201.23	-568.44	603.00	289.49	0.81	63.44L
	4367.00	11.96	290.87	4306.31	-210.98	208.21	-586.31	622.19	289.55	0.24	5.79R
	4461.00 4555.00	13.20 12.52	291.42 291.64	4398.05 4489.69	-218.45 -226.22	215.60 223.28	-605.40 -624.87	642.65 663.56	289.60 289.66	1.33 0.73	175.99R 171.6L
	4600.00	12.04	291.30	4533.66	-229.77	226,78	633.77	673.13	289.69	1.08	59.25R
DMAG-Corrected Surveys	4743.00	12.37	293.80	4673.43	-241.50	238.38	-661.68	703.32	289.81	0.44	78.7L
	4837.00	12.45	292.07	4765.23	-249.46	246.25	-680.29	723.48	289.90	0.40	27.36L
	4931.00 5025.00	12.71 13.12	291.46 291.36	4856.98 4948.60	-257.14 -264.90	253.84 261.51	-699.30 -718.86	743.95 764.95	289.95 289.99	0.31 0.44	3.17L 179.83L
	5120.00	12.41	291.35	5041.25	-264.90 -272.63	269.16	738.41	785.93	290.03	0.75	168.18L
	5308.00	11.09	289.91	5225.31	286.32	282.67	-774.23	824.21	290.06	0.72	77.9R
	5402.00	11.10	290.15	5317.55	-292.59	288.87	-791.22	842.30	290.06	0.05	21,33L
	5497.00	11.25	289.85	5410.75	-298.97	295.16	-808.52	860.71	290.06	0.17	144.88L
	5588.00 5681.00	10.96 11.27	288.77 287.90	5500.04 5591.30	-304.84 -310.56	300.96 306.60	-825.06 -842.08	878.24 896.16	290.04 290.01	0.39 0.38	28.84L 18.78L
	5775.00	11.89	286.88	5683.39	-316.28	312.23	-860.09	915.01	289.95	0.69	8.59L
	5867.00	13.50	285.84	5773.13	-322.06	317.92	-879.49	935.19	289.87	1.77	40.73R
	5961.00	14.53	289.29	5864.34	-329.05	324.81	-901.17	957.92	289.82	1.41	14.43R
	6056.00	15.14	289.89	5956.17	-337.32	332.96	-924.09	982.25	289.81	0.66	112.22R
	6150.00 6243.00	14.94 15.09	291.87 291.86	6046.95 6136.77	-346.11 -355.19	341.65 350.63	-946.88 -969.24	1006.63 1030.71	289.84 289.89	0.59 0.16	0.99L 163.21R
	6337.00	14.04	293.17	6227.75	-364.34	359.67	-991.08	1054.32	289.95	1.17	177.89L
	6431.00	11.86	292.78	6319.36	-372.65	367.90	-1010.47	1075.36	290.01	2,32	179,23R
	6526.00	9.51	292.97	6412.70	-379.57	374.74	-1026.70	1092.95	290.05	2.47	174.04R
	6620.00	7.55	294.53	6505.66	-385,23	380.34	-1039.47	1106.86	290.10	2.10	294.35M

...SD 14 23 Fed P18 9H\SD 14 23 Fed P18 9H\Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft 11/13/2019 5:53 AM Page 1 of 4 Drilling Office 2.10.782.0

Comments	MD (ft)	inci (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	6714.00 6809.00	5.53 3.27	294.35 284.51	6599.04 6693.76	-389.71 -392.31	384.77 387.33	-1049.21 -1056.00	1117.54 1124.80	290.14 290.14	2.15 2.50	284.51M 265.42M
	6903.00	1.74	265.42	6787.67	-392.88	387.89	-1060.02	1128.76	290.10	1.83	278.93M
	6997.00 7091.00	0.94 0.61	278.93 350.02	6881.64 6975.63	-392.90 -393.51	387.90 388.51	-1062.21 -1063.06	1130.82 1131.82	290.06 290.08	0.91 1.00	350.02M 318.26M
	7185.00	0.40	318.26	7069.63	-394.25	389.25	-1063.36	1132.36	290.11	0.36	332M
	7279.00 7373.00	0.36 0.08	332.00 334.29	7163.63 7257.63	-394.76 -395.08	389.75 390.07	-1063.72 -1063.89	1132.87 1133.14	290.12 290.14	0.11 0.30	334.29M 185.95M
	7467.00	0.07	185.95	7351.63	-395.08	390.07	-1063.92	1133.17	290.13	0.15	188.29M
	7561.00 7655.00	0.38 0.45	188.29 212.97	7445.62 7539.62	-394.72 -394.10	389.71 389.09	-1063.97 -1064.22	1133.10 1133.11	290.12 290.08	0.33 0.20	212.97M 194.46M
	7750.00	0.57	194.46	7634.62	-393.33	388.32	-1064.54	1133.15	290.04	0.21	186.65M
	7843.00 8032.00	0.60 0.87	186,65 135,29	7727.61 7916.60	-392.40 -390.40	387,39 385.39	-1064.71 -1063.81	1132,99 1131,47	289,99 289,91	0.09 0.36	135,29M 93,35M
	8126.00	0.49	93,35	8010.59	-389.86	384.86	-1062.91	1130.44	289.90	0.64	56.86M
	8220.00 8315.00	0.62 0.81	56.86 93.82	8104.59 8199.58	-390.11	385.11 385.35	-1062.08 -1060.98	1129.75 1128.79	289.93 289.96	0.39 0.51	93.82M 105.53M
	8409.00	0.80	105.53	8293.57	-390.34 -390.12	385.13	-1059.69	1127.50	289.97	0.18	322.08M
	8503.00	0.58	322.08 307.93	8387.57 8480.56	-390.31	385.33	-1059.35	1127.25	289.99 290.01	1.40 0.37	307.93M
	8596.00 8690.00	0.88 0.77	294.40	8574.55	-391.13 -391.84	386.14 386.84	-1060.20 -1061.35	1128.33 1129.65	290.01	0.24	294.4M 283.23M
	8784.00	0.71	283,23	8668.55	-392.24	387.24	-1062.49	1130.85	290.02	0.17	263.72M
	8879.00 8974.00	0.98 1.48	263.72 265.02	8763.54 8858.51	-392.29 -392.10	387.28 387.09	-1063.87 -1065.90	1132.17 1134.01	290.00 289.96	0.41 0.53	265.02M 263.25M
	9068.00	1.73	263.25	8952.48	-391.84	386.81	-1068.52	1136.38	289.90	0.27	265.13M
	9162.00 9256.00	1.52 1.85	265.13 269.48	9046.44 9140.40	-391.58 -391.48	386.54 386.42	-1071.17 -1073.93	1138.78 1141.33	289.84 289.79	0 <u>.</u> 23 0.38	269.48M 272.8M
	9351.00	2.42	272.80	9235.33	-391.58	386.51	-1077.46	1144.69	289.73	0.61	279.33M
	9446.00 9540.00	2.86 3.25	279.33 286.19	9330.23 9424.10	-392.08 -393.23	386.99 388.11	-1081.81 -1086.68	1148.94 1153.91	289.68 289.65	0.56 0.57	286.19M 288.33M
	9635.00	2.47	288.33	9518.98	-394.64	389.51	-1091.21	1158.64	289.64	0.83	292.32M
	9729.00 9823.00	1.76 1.04	292.32 348.63	9612.91 9706.89	-395.84 -397.24	390.69 392.08	-1094.47 -1095.97	1162.11 1163.99	289.64 289.68	0.77 1.56	348.63M 19.83M
	9917.00	0.63	19.83	9800.88	-398.56	393.40	-1095.96	1164.43	289.75	0.64	77.9M
	10012.00	1.55	77.90	9895.86	-399.31	394.16	-1094.53	1163.34	289.80	1.40	79.26M
	10106.00 10200.00	0.95 0.36	79.26 69.42	9989.84 10083.83	-399.71 -399.96	394.57 394.82	-1092.52 -1091.48	1161.59 1160.69	289.86 289.89	0.64 0.64	69.42M 289.36M
	10293.00	0.29	289.36	10176.83	-400.14	395.00	-1091.43	1160.71	289.90	0.66	222,1M
	10388.00 10482.00	0.24 0.87	222.10 264.70	10271.83 10365.83	-400.07 -399.86	394.93 394.72	-1091.79 -1092.63	1161.02 1161.74	289.89 289.86	0.31 0.76	264.7M 263.14M
	10576.00	1.09	263.14	10459.81	-399.70	394.55	-1094.23	1163.19	289.83	0.24	117.18M
	10670.00 10763.00	0.75 0.94	117.18 90.29	10553.81 10646.80	-399.31 -399.02	394.16 393.88	-1094.57 -1093.26	1163.38 1162.05	289.80 289.81	1.87 0.47	90.29M 153.67M
	10858.00	0.35	153.67	10741.79	-398.76	393.61	-1092.36	1161.11	289.82	0.89	229.28M
	10952.00 11046.00	0.68 1.11	229.28 234.43	10835.79 10929.78	-398.14 -397.25	392.99 392.10	-1092.65 -1093.82	1161.18 1161.97	289.78 289.72	0.73 0.46	234.43M 238.57M
	11140.00	1.27	238.57	11023.76	-396.18	391.03	-1095.44	1163.14	289.64	0.19	252.25M
Standard MWD Surveys	11233.00	1.49 1.56	252.25 263.04	11116.73 11210.70	-395.29 -394.77	390.12 389.59	-1097.48 -1099.91	1164.75 1166.87	289.57 289.50	0.42 0.31	263.04M 286.44M
Standard WWD Surveys	11327.00 11436.00	1.40	286.44	11319.66	-394.77	389.79	-1102.66	1169.53	289.47	0.57	190.96M
	11530.00	0.85	190.96	11413.65	-394.63	389.43	-1103.89	1170.57	289.43	1.81	145.2M
	11624.00 11718.00	11.41 17.91	145.20 142.27	11506.99 11597.89	-386.26 -367.11	381.09 362.00	-1098.70 -1084.54	1162.92 1143.36	289.13 288.46	11.53 6.96	7.93L 17.53R
Actual FTP Cross	11770.93	21.17	145.10	11647.76	-352.78	347.72	-1074.09	1128.97	287.94	6.40	14.86R
	11813.00 11907.00	23.78 32.72	146.81 153.97	11686.64 11769.38	-339.41 -300.53	334.39 295.61	-1065.10 -1043.52	1116.35 1084.59	287.43 285.82	6.40 10.16	23.97R 35.22R
	12001.00	42.13	163.41	11844.01	-247.23	242.41	-1023.31	1051.63	283.33	11.70	56.25R
	12095.00 12190.00	47.95 52.48	174.08 175.86	11910.50 11971.27	-182.09 -109.36	177.33 104.63	-1010.68 -1004.32	1026.12 1009.75	279,95 275.95	10.13 4.98	17.38R 46.08R
	12284.00	61.25	185.72	12022.69	-30.89	26.16	-1005.74	1006.08	271.49	12.80	17.87L
	12379.00 12473.00	71.88 77.41	182.15 180.87	12060.43 12085.32	55.90 146.46	-60.67 -151.24	-1011.60 -1013.98	1013.42 1025.19	266.57 261.52	11.71 6.03	12.76L 11.09L
	12568.00	84.28	179.52	12100.42	240.19	-244.97	1014.28	1043.45	256.42	7.37	0.71R
	12663.00 12743.00	89.93 90.34	179.59 179.55	12105.22 12105.03	335.03	-339.81 -419.81	-1013.55	1068.99 1096.49	251.47 247.49	5.95 0.51	5.57L
DMAG-Corrected Surveys	12777.00	90.86	179.66	12103.03	415.03 449.03	-453.81	-1012.95 -1012.71	11090,49	245.86	1.56	11.94R 111.82R
	12871.00	89.55	182.93	12104.34	542.98	-547.77	-1014.84	1153.23	241.64	3.75	83.84R
	12965.00 13060.00	89.79 90.65	185.15 180.76	12104.88 12104.51	636.71 731.53	-641.53 -736.37	-1021.46 -1026.35	1206.21 1263.19	237.87 234.34	2.38 4.71	78.91L 92.75L
	13154.00	90.17	170.93	12103.84	825.20	-830.01	-1019.55	1314.69	230.85	10.47	94.52L
	13248.00 13342.00	89.59 89.96	163.59 167.31	12104.04 12104.41	916.92 1007.99	-921.63 -1012.60	-998.84 -975.23	1359.07 1405.85	227.30 223.92	7.83 3.98	84.33R 132.62R
	13436.00	87.90	169.55	12106.16	1100.14	-1104.66	-956.38	1461.14	220.88	3.24	90R
	13530.00 13624.00	87.90 91.00	175.51 182.76	12109.61 12110.51	1193.30 1287.22	-1197.76 -1291.67	-944.17 -942.76	1525.15 1599.13	218.25 216.12	6.34 8.39	66.91R 109.98L
	13719.00	90.96	182.65	12108.89	1382.07	-1386.55	947.24	1679.22	214.34	0.12	147.1R
	13813.00 13907.00	90.79 89.55	182.76 182.54	12107.45	1475.94 1569.81	-1480.44 -1574.33	-951.67 -956.02	1759.94 1841.87	212.73 211.27	0.22 1.34	169.94L 90R
	14001.00	89.55	182.85	12107.17 12107.91	1663.68	-1668.23	-956.02 -960.44	1841.87 1924.95	209.93	0.33	83.8R
	14095.00	89.65	183.77	12108.57	1757.50	-1762.07	-965.87 071.00	2009.42	208.73	0.98	94.24L
	14190.00 14284.00	89.55 89.55	182.42 182.96	12109,23 12109.97	1852,33 1946.20	-1856.92 -1950.82	-971.00 -975.41	2095.47 2181.08	207,61 206,57	1.42 0.57	90R 126.03L
	14378.00	88.99	182.19	12111.17	2040.07	-2044.71	-979.63	2267.27	205.60	1.01	55.74R
	14472.00 14566.00	89.61 89.68	183.10 182.72	12112.32 12112.90	2133.94 2227.80	-2138.60 -2232.48	-983.97 -988.74	2354.11 2441.63	204.71 203.89	1.17 0.41	79.56L 77.28L
	14660.00	89.82	182.10	12113.31	2321.69	-2326.40	-992.69	2529.34	203.11	0.68	169.05L
	14755.00 14849.00	89.51 89.58	182.04 181.86	12113.86 12114.61	2416.61 2510.54	-2421.33 -2515.28	-996.12 -999.32	2618.23 2706.52	202.36 201.67	0.33 0.21	68.75L 8.13L
	14943.00	89.65	181.85	12115.24	2604.47	-2609.22	-1002.36	2795.14	201.01	0.08	8.13R
	15037.00 15131.00	89.72	181.86	12115.76	2698.41	-2703.17 2707.13	-1005.41	2884.09	200.40	0.08	146.31L
	15131 00	89.48	181.70	12116.41	2792.34	-2797.13	-1008.33	2973.32	199.82	0.31	8.37R
	15226.00	89.82	181.75	12116.99	2887.28	-2892.08	-1011.19	3063.76	199.27	0.36	127.57L
			181.75 181.62 180.48	12116.99 12117.37 12117.72	2887.28 2981.23 3075.20	-2892.08 -2986.04 -3080.02	-1011.19 -1013.95 -1015.67				127.57L 83L 41.99R

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	15697.00	90.03	180.57	12117.88	3358.17	-3363.01	-1018.41	3513.83	196.85	0.04	34.99R
	15791.00	90.13	180.64	12117.75	3452.16	-3457.00	-1019.41	3604.17	196.43	0.13	97.76L
	15885.00	90.10	180.42	12117.56	3546.15	-3551.00	-1020.28	3694.67	196.03	0.24	88.75L
	16074.00 16168.00	90.13 89.86	179.04 179.17	12117.18 12117.19	3735.15 3829.14	-3739.99 -3833.98	-1019.39 -1017.92	3876.43 3966.81	195.25 194.87	0.73 0.32	154.29R 120.26L
	16263.00	89.51	178.57	12117.19	3924.13	-3928.96	-1017.92	4058.21	194.50	0.73	74.65R
	16358.00	89.65	179.08	12118.41	4019.11	-4023.94	-1014.10	4149.75	194.14	0.56	124.99L
	16453.00	89.58	178.98	12119.05	4114.10	4118.92	1012.49	4241.54	193.81	0.13	4.76L
	16548.00	90.06	178.94	12119.35	4209.09	-4213.90	-1010.76	4333.43	193.49	0.51	78.69R
	16643.00	90.13	179.29	12119.19	4304.09	-4308.89	-1009.30	4425.52	193.18	0.38	130.6R
	16737.00	89.89	179.57	12119.17	4398.09	-4402.89	-1008.36	4516.88	192.90	0.39	78.91R
	16832.00	89.99	180.08	12119.27	4493.09	-4497.89 4502.67	-1008.07	4609.47	192.63	0.55	87.83R
	16927.00 17022.00	90,24 89.82	186,68 184,50	12119.08 12119.03	4587.84 4682.34	-4592.67 -4687.21	-1013.67 -1022.92	4703.20 4797.53	192,45 192,31	6.95 2.34	100.9L 90.94L
	17116.00	89.79	182.67	12119.35	4776.12	-4781.02	1028.80	4890.46	192.14	1.95	83.86L
	17211.00	90.06	180.16	12119.47	4871.07	4875.99	-1031.15	4983.82	191.94	2.66	160.71R
	17305.00	89.86	180.23	12119.54	4965.07	-4969.99	-1031.47	5075.89	191.72	0.23	88.78L
	17495.00	89.89	178.82	12119.95	5155.06	-5159.97	-1029.89	5261.75	191.29	0.74	76.52R
	17589.00	90.24	180.28	12119.85	5249.06	-5253.97	-1029.15	5353.82	191.08	1.60	105.01L
	17684.00	89.65	178.08	12119.94	5344.05	-5348.95	-1027.79	5446.80	190.88	2.40	137.29R
	17779.00 17874.00	89.52 89.65	178.20 177.71	12120.63	5439.01 5533.96	-5443.90 -5538.84	-1024.71 -1021.32	5539.50 5632.21	190.66 190.45	0.19 0.53	75.14L 52.13R
	17968.00	90.07	178.25	12121.32 12121.55	5627.92	-5632.78	1021.32	5724.03	190.24	0.73	161.1L
	18062.00	88.96	177.87	12122.34	5721.87	-5726.72	-1014.82	5815.94	190.05	1.25	61.05R
	18157.00	90.10	179.93	12123.12	5816.85	-5821.69	-1013.00	5909.17	189.87	2.48	68.2R
	18252.00	90.20	180.18	12122.87	5911.85	-5916.69	-1013.09	6002.80	189.72	0.28	115,47R
	18346.00	89.10	182.49	12123.45	6005.80	-6010.66	-1015.28	6095.80	189.59	2.72	14.03R
	18441.00	89.14	182.50	12124.90	6100.68	-6105.55	-1019.42	6190.07	189.48	0.04	37.17L
	18535.00	89.76	182.03	12125.81	6194.59	-6199.48	-1023.13	6283.33	189.37	0.83	92.59L
	18630.00	89.69	180.48	12126.26	6289.55	-6294.45	-1025.21	6377.39	189.25	1.63	66.71L
	18725.00 18820.00	90.37 90.92	178.90 181.84	12126.21 12125.14	6384.54 6479.52	6389.44 6484.43	-1024.70 -1025.31	6471.09 6564.99	189.11 188.99	1.81 3.15	79.39R 90R
	18914.00	90.92	182.33	12123.14	6573.43	-6578.35	1028.73	6658.30	188.89	0.52	104.36L
	19009.00	90.20	179.52	12122.71	6668.39	-6673.32	1030.26	6752.38	188.78	3.05	94.06L
	19104.00	90.06	177.55	12122.49	6763.37	-6768.29	-1027.84	6845.89	188.63	2.08	104.3R
	19199.00	89.93	178.06	12122.50	6858.31	-6863.22	-1024.20	6939.22	188.49	0.55	146.55L
	19293.00	89.37	177.69	12123.07	6952.26	-6957.15	-1020.71	7031.63	188.35	0.71	8.13R
	19388.00	89.72	177.74	12123.83	7047.20	-7052,07	-1016.92	7125.02	188,21	0.37	129,56R
	19483.00	89.34 89.03	178.20 178.65	12124.61	7142.15	7147.01 7241.96	-1013.56 -1010.95	7218.52	188.07 187.95	0.63 0.58	124.57R
	19578.00 19672.00	89.86	179.67	12125.96 12126.87	7237.12 7331.11	7335.95	-1010.93	7312.18 7405.09	187.84	1.40	50,87R 96,44R
	19767.00	89.79	180.29	12127.16	7426.11	7430.95	1009.54	7499.21	187.74	0.66	53.13L
	19862.00	90.00	180.01	12127.33	7521.10	-7525.94	-1009.79	7593.39	187.64	0.37	116.41L
	19957.00	89.28	178.56	12127.93	7616.09	-7620.93	-1008.60	7687.38	187.54	1.70	22.48R
	20051.00	89.86	178.80	12128.63	7710.08	-7714.90	-1006.43	7780.27	187.43	0.67	62.76R
	20146.00	90.21	179.48	12128.58	7805.07	-7809.89	-1005.01	7874.29	187.33	0.81	90R
	20241.00	90.21	179.56	12128.23	7900.07	-7904.89	-1004.21	7968.42	187.24	0.08	94.72L
	20335.00	90.11	178.35	12127.97	7994.06	-7998.87	-1002.50	8061.45	187.14	1.29 0.33	56.82L
	20430.00 20525.00	90.28 90.07	178.09 179.42	12127.64 12127.35	8089.02 8184.01	-8093.82 -8188.80	-999.55 -997.48	8155.31 8249.33	187.04 186.95	1.42	98.97R 86.78R
	20619.00	90.17	181.20	12127.16	8278.00	8282.79	997.99	8342.70	186.87	1.90	97.64R
	20714.00	89.93	182.99	12127.07	8372.91	8377.73	1001.47	8437.37	186.82	1.90	82.25L
	20808.00	90.52	178.65	12126.70	8466.87	-8471.69	-1002.81	8530.84	186.75	4.66	107.16L
	20903.00	89.93	176.74	12126.33	8561.81	-8566.61	-998.99	8624.66	186.65	2.10	51.07R
	20998.00	90.14	177.00	12126.27	8656.69	-8661.47	-993.80	8718.30	186.55	0.35	93.81R
	21092.00	90.04	178.50	12126,12	8750.63	-8755.39	-990.11	8811.20	186.45	1.60	96.97L
	21187.00	89.93	177.60	12126.15	8845.59	-8850.34	-986.88	8905.19	186.36	0.95	87.56R
	21283.00	90.04 89.76	180.18 179.60	12126.17	8941.57 9035.57	-8946.31 -9040.31	-985.02	9000.38 9093.80	186.28	2.69 0.69	115.77L
	21377.00 21566.00	90.11	180.39	12126.34 12126.55	9224.57	9229.31	-984.84 -984.82	9281.70	186.22 186.09	0.46	66.11R 117.34L
	21661.00	89.04	178.32	12127.26	9319.55	9324.29	-983.75	9376.05	186.02	2.45	66.23R
	21755.00	89.93	180.34	12128.10	9413.54	9418.28	-982.65	9469.40	185.96	2.35	77.83L
	21850.00	90.04	179.83	12128.13	9508.54	-9513.28	-982.80	9563.91	185.90	0.55	93,63R
	21944.00	90.00	180.46	12128.09	9602.54	-9607.28	-983.03	9657.44	185.84	0.67	100.95L
	22038.00	89.94	180.15	12128,14	9696.53	-9701.27	-983.53	9751.00	185.79	0.34	4.4L
	22133.00	90.07	180.14	12128.14	9791.53	-9796.27	-983.77	9845.55	185.73	0.14	111.25L
	22227.00	90.00	179.96	12128.08	9885.53	-9890.27	-983.86	9939.09	185.68	0.21	53.75R
	22322.00 22416.00	90.11 90.21	180.11 180.45	12127.99 12127.72	9980.53 10074.52	-9985.27 -10079.27	-983.91 -984.37	10033.63 10127.23	185.63 185.58	0.20 0.38	73.61R 82.48R
Actual LTP Cross	22415.00	90.21	180.85	12127.72	10074.52	-10079.27	-964.37 -985.19	10127.23	185.54	0.57	82.48R
Last SLB MWD DMAG Survey	22510.00	90.28	180.98	12127.32	10168.51	-10173.26	-985.55	10220.89	185.53	0.57	HS
Projection to Bit	22572.00	90.28	180.98	12127.02	10230.49	-10235.25	-986.61	10282.70	185.51	0.00	

Survey Type:

Def Survey

Survey Error Model: Survey Program: ISCWSA Rev 3 *** 3-D 97.071% Confidence 3.0000 sigma

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Ho l e Size Casi (in)	ng Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	32,600	1/98.425	30.000	30.000	A001Mb_MWD-Depth Only	SD 14 23 Fed P18 9H / Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft
	1	32.600	32.600	Act Stns	30.000	30.000	A001Mb_MWD-Depth Only	SD 14 23 Fed P18 9H / Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft
	1	32,600	761,900	Act Stns	30.000	30.000	A001Mb_MWD	SD 14 23 Fed P18 9H / Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft
	1	761.900	4743.000	Act Stns	30.000	30.000	B001Mb_MWD+HRGM	SD 14 23 Fed P18 9H / Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft

Comments	MD (ft)	inci (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
		1	4743.000	11327.000	Act Stns	30.000	30.000	B002Mb_MWD+H	RGM+AX	SD 14 23 Fed P18 9H / SD 14 23 Fed P18 MWD+DMAG to 225	9H
		1	11327.000	12777.000	Act Stns	30.000	30.000	B001Mb_MWD+	-HRGM	SD 14 23 Fed P18 9H / SD 14 23 Fed P18 MWD+DMAG to 225	9H
		1	12777.000	22572.000	Act Stns	30.000	30.000	B002Mb_MWD+H	RGM+AX	SD 14 23 Fed P18 9H / SD 14 23 Fed P18 MWD+DMAG to 225	9H

District 1
1625 N. French Dr., Hobbs, NM 88240
Phone: (579) 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

320

Infill

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

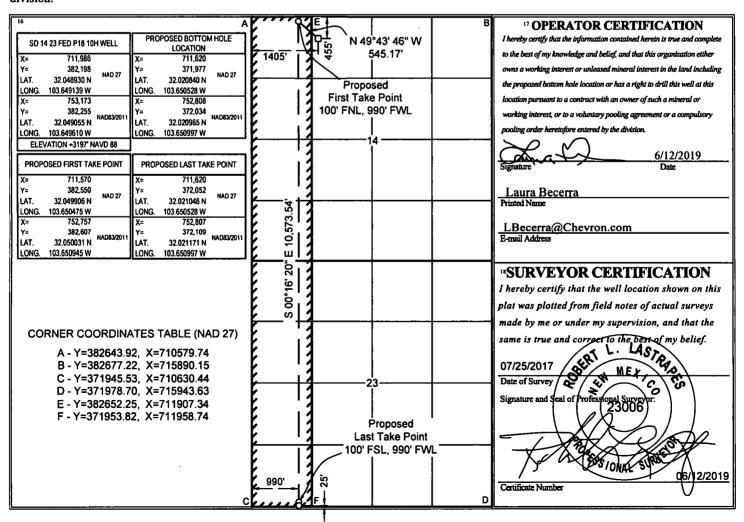
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	' API Num	ber	² Pool Code ³ Pool Name								
	30-025-4	5819	980	65	ľ	WC-025	G-08 S263205	N;UPPER	WOLFC	CAMP	
⁴ Proper	ty Code			⁵ P	roperty Name				6 /	Well Number	
325	387			SD 1	4 23 FED P18					10H	
⁷ OGR	ID No.	1		* O	perator Name	•				Elevation	
43	23	-	CHEVRON U.S.A. INC. 3197'								
	[™] Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
С	14	26 SOUTH	32 EAST, N.M.P.M.		455'	NORTH	1405'	WES	т	LEA	
			" Bottom I	Hole Locat	ion If Diffe	erent From S	Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
М	23	26 SOUTH	32 EAST, N.M.P.M.	.	25'	SOUTH	990'	WES	st	LEA	
12 Dedicated A	cres 13 Join	at or Infill	Infill 14 Consolidation Code 15 Order No.								
l	- 1	ŀ	i								

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.



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
VILLS First St. Astoria NM 88210

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

District IV

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

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

X AMENDED REPORT

"As-Drilled"

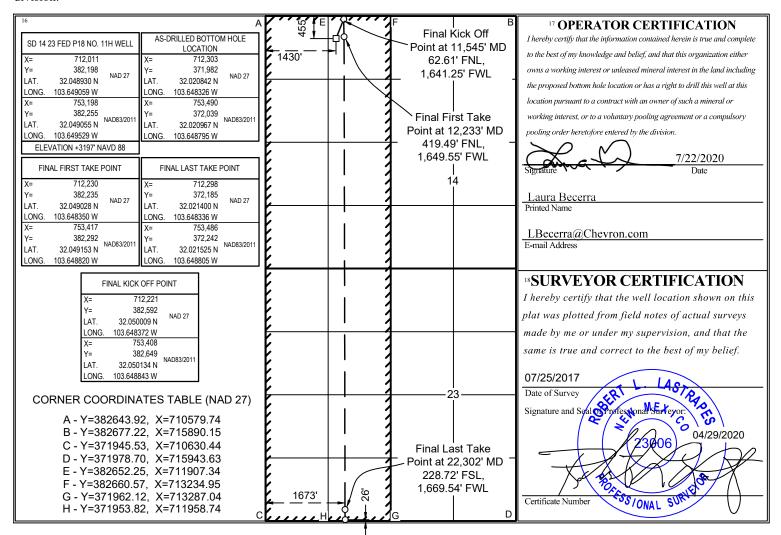
WELL LOCATION AND ACREAGE DEDICATION PLAT

Santa Fe, NM 87505

	1 API Numb	er	² Pool C	ode			³ Pool Na	me		ν	12	
3	0-025-4582	0	980	65		WC-025 G-0	08 S263205N;	UPPER W	OLFCA	MP <u>∫</u>	1	
⁴ Proper	ty Code		⁵ Property Name							6 Well Number		
3253	87		SD 14 23 FED P18							11H		
⁷ OGR1	ID No.			8 O	perator Name				⁹ Elevation			
43:	23			CHEVR	ON U.S.A. IN	C.				3197'		
		•		10 Sur	face Locati	on						
UL or lot no.	Section	Гownship	Range	Range Lot Idn Feet from the North/South line Feet from the Ea					Vest line		County	

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	26 SOUTH	32 EAST, N.M.P.M.		455'	NORTH	1430'	WEST	LEA
			11 Bottom H	Hole Locat	ion If Diffe	erent From S	Surface	SL	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	26 SOUTH	32 EAST, N.M.P.M.		26'	SOUTH	1673'	WEST	LEA
12 Dedicated A	cres 13 Joi	nt or Infill	¹⁴ Consolidation Code 1	⁵ Order No.					
640	Def	ining well							

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.



Inten	t	As Drill	ed ×											
API #	0-025-4	5820												
_	rator Nar					Prop	perty N	ame:						Well Number
(CHEVR	ON USA	INC			SD	14 23	FE) P1	8				11H
Kick C	Off Point	(KOP)												
UL C	Section 14	Township 26S	Range 32E	Lot	Feet 63		From N		Feet	641	ı	n E/W NL	County	EA
Latitu			JZL		Longitu 103.6				1,0	041	' '	/ V L	NAD 8	
32.0	330 134	T			103.0	J 4 00) 4 0						INAD	3700
First 7	Гаке Poin	t (FTP)												
UL C	Section 14	Township 26S	Range 32E	Lot	Feet 420		From N		Feet 1,6		ı	n E/W //L	County LE/	A
Latitu 32.0	ode 049153	3			Longitu 103.6		320						NAD 8	3/86
1 7	al a Bata	. (1.70)												
UL	ake Poin	Township	Range	Lot	Feet	Ero	m N/S	Feet	-	From	E /\A/	Count		
N	23	26S	32E	LOC	229	F	SL	l .	670	FW			LEA	
32.0)21525	5			Longitu 103.6		305					NAD NA[86/86	
ا ماله د	مطفالمييي	مامان، ما ما	مال المسامل		antal C	:	~ ! ! ~ :±?	Г	VEC	7				
is this	s well the	defining w	eii ior th	e Horiz	ontai Sp	oacin	gunitr	L	YES	_				
Is this	s well an i	infill well?		YES]									
	ll is yes pl ng Unit.	lease provi	de API if	availab	le, Oper	rator	Name a	and v	vell n	umbei	for I	Definir	ng well fo	r Horizontal
API#														
Ope	rator Nar	ne:				Prop	perty N	ame:	:					Well Number

KZ 06/29/2018

Rec'd 8/18/2020 - NMOCD

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Schlumberger

Schlumberger Drilling and Measurements

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone : (432) 742-5400 (Main) Fax : (432) 742-5606 (Shared)

November 6, 2019

Chevron USA INC. 6301 Deauville Blvd Midland, TX 79706-0000

Re:

S14, T26S, R32E Lea, NM N 32.049055 W -103.649529 CLIENT: Chevron USA INC.
WELL: SD 14 23 Fed P18 11H
FIELD: Upper Wolfcamp

RIG: Nabors X30 COUNTY: Lea

API NO: 30-025-45820

JOB NO: 19MLI0217

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

Name & Title of Surveyor	<u>Drainhole Number</u>	Surveyed Depths	<u>Dates Performed</u>	Type of Survey
Thomas Brady	SD 14 23 Fed P18 11H	873.00 Ft to 22462.00 Ft	August 23, 2019 to	TelePacer
FS	Original Hole		October 11, 2019	SlimPulse

Schlumberger ¹

Expires: June 14, 2023

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone : (432) 742-5400 (Main) Fax : (432) 742-5606 (Shared)

Well Reference:

S14, T26S, R32E Lea, NM N 32.049055 W -103.649529

I, Thomas Brady certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of August 23, 2019 through October 11, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 873.00 feet to a depth of 22462.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Chevron USA INC. for the SD 14 23 Fed P18 11H Well (Original Hole) API No. 30-025-45820 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

Schlumberger-Private

Schlumberger

Chevron SD 14 23 Fed P18 11H MWD to 22505ft Survey Report



(Def Survey)

Report Date: Client: Field: Structure / Slot: Well:

Borehole: UWI / API#: Survey Name: Survey Date:
Tort / AHD / DDI / ERD Ratio:
Coordinate Reference System:

Location Lat / Long: Location Grid N/F Y/X CRS Grid Convergence Angle:

Grid Scale Factor: Version / Patch:

October 11, 2019 - 05:28 PM Chevron NM Lea County (NAD 27) Chevron SD 14 23 FED Pad 18 / 11H SD 14 23 Fed P18 11H SD 14 23 Fed P18 11H

Unknown / 30-025-45820 Chevron SD 14 23 Fed P18 11H MWD to 22505ft

301.140 ° / 11226.550 ft / 6.796 / 0.922 NAD27 New Mexico State Plane, Eastern Zone, US Feet

N 32° 2' 56 14945", W 103° 38' 56 61124"

N 382198 000 ftUS, E 712011 000 ftUS 0.99996057

2.10.782.0

Minimum Curvature / Lubinski 179.730 ° (Grid North) Survey / DLS Computation: Vertical Section Azimuth: Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB = 32.6ft TVD Reference Elevation: 3229,600 ft above MSL Seabed / Ground Elevation: 3197,000 ft above MSL 6.627 ° 998.4326mgn (9.80665 Based) Magnetic Declination: Total Gravity Field Strength:

Gravity Model: GARM Total Magnetic Field Strength: Magnetic Dip Angle: 47672.546 nT 59.630 ° Declination Date: October 11, 2019 Magnetic Declination Model: HDGM 2019

North Reference: Grid North Grid Convergence Used: 0.3631 Total Corr Mag North->Grid North: 6.2635 Well Head Local Coord Referenced To:

Comments	MD (ft)	inci (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth	DLS (°/100ft)	TF (°)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	OM
Adjusted KB	33.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00	0.00	58.39M
First 3rd Party Survey	201.90 287.90	1.10 1.20	58.39 95.39	201.89 287.87	-0.84 -1.18	0.85 1.20	1.38 2.98	1.62 3.21	58.39 68.10	0.65 0.86	95.39M 230.39M
	375.90	0.20	230.39	375.87	-1.18	1,01	3.78	3.91	74.99	1,53	224,39M
	466.90	0.20	224.39	466.87	-0.78	0.80	3.55	3.63	77.31	0.02	232.39M
	558.90	0.20	232.39	558.87	-0.57	0.59	3.31	3.36	79.95	0.03	121.39M
	651.90	0.40	121.39	651.87	-0.30	0.32	3.45	3.47	84.75	0.55	247.39M
Last 3rd Party Survey	768.90 873.00	0.70 0.48	247.39	768.86 872.96	0.18 0.23	-0.17 -0.22	3.14	3.15	93.09 95.79	0.85	296.5M
First SLB MWD Survey	968.00	0.48	296.50 287.43	967.95	-0.09	0.22	2.17 1.38	2.18 1.38	95.79 86.07	0.51 0.11	287.43M 304.67M
	1062.00	0.62	304.67	1061.95	-0.52	0.52	0.53	0.74	45.43	0.20	17.91M
	1156.00	0.59	17.91	1155.95	-1.27	1.27	0.26	1.29	11.46	0.77	29.64M
	1250.00	1.94	29.64	1249.92	-3.11	3.11	1.19	3.33	20.97	1.45	33.38M
	1345.00	3.50	33.38	1344.81	-6.91	6.93	3.58	7.80	27.34	1.65	31.67M
	1439.00 1534.00	5,25 6.57	31.67 29.04	1438.53 1533.03	-12.95 -21.38	12.99 21.44	7.42 12.34	14.96 24.74	29.74 29.93	1.87 1.42	29.04M 27.15M
	1628.00	8.07	27.15	1626.26	-21.36	32.01	17.96	36.71	29.30	1.62	4.86R
	1722.00	10.09	28.13	1719.07	-45.03	45.15	24.86	51.54	28.84	2.16	31.68R
	1911.00	10.87	30.65	1904.92	-74.88	75.08	41.75	85.90	29.08	0.48	159.01R
	2100.00	10.63	31.15	2090.60	-105.05	105.33	59.85	121.14	29.61	0.14	169.31R
	2194.00	10.41	31.38	2183.02	-119.67	120.00	68.76	138.30	29.81	0.24	152.46R
	2288.00	10.26	31.82	2275.50	-134.00	134.36	77.59	155.16	30.01	0.18	137.54R
	2383.00 2477.00	10.01 9.81	33.15 31.18	2369.02 2461.61	-148.05 -161.70	148.46 162.15	86.57 95.18	171.86 188.03	30.25 30.41	0.36 0.42	121.5L 84.21L
	2572.00	9.94	26.01	2555.21	-175.96	176.45	102.97	204.29	30.27	0.94	132.18L
	2666.00	9.78	24.96	2647.82	190.46	190.98	109.89	220.34	29.92	0.26	169.36L
	2760.00	9.62	24.78	2740.48	-204.79	205.35	116.56	236.12	29.58	0.17	175.76R
	2949.00	8.72	25.22	2927.06	-232.03	232.65	129.28	266.15	29.06	0.48	156.36R
	3043.00	8,30	26.50	3020.02	-244.52	245.16	135.34	280.04	28.90	0.49	17.98R
	3138.00 3231.00	8.96 9.18	27.87 30.45	3113.95 3205.79	-257.17 -269.93	257.84 270.64	141.86 149.01	294.29 308.95	28.82 28.84	0.73 0.50	62.87R 129.18R
	3326.00	8.85	33.16	3299.61	-282.55	283.29	156.84	323.81	28.97	0.57	1.74L
	3421.00	9.68	33.01	3393.37	-295.32	296.10	165.19	339.07	29.16	0.87	161R
	3515.00	9.55	33.28	3486.05	-308.43	309.25	173.78	354.73	29.33	0.15	112.99R
	3609.00	9.45	34.76	3578.76	-321.25	322.11	182.45	370.19	29.53	0.28	174.64R
	3703.00	8.89	35.10	3671.56	-333.49	334.39	191.03	385.11	29.74	0.60	172.37R
	3797.00 3892.00	8.14 7.56	35.81 37.02	3764.52 3858.63	-344.79 -355.20	345.73 356.17	199.10 206.80	398.96 411.86	29.94 30.14	0.81 0.63	164.69R 40.15M
	3986.00	7.33	40.15	3951.84	-364.68	365.70	214.39	423.90	30.38	0.50	43.58M
	4080.00	7.04	43.58	4045.10	-373.40	374.45	222,23	435.43	30.69	0.55	41.15M
	4175.00	5.81	41.15	4139.51	-381.20	382.29	229.40	445.84	30.97	1.33	45.42M
	4269.00	5.33	45.42	4233.06	-387.82	388.94	235.64	454.75	31,21	0.67	50.24M
	4362.00	4.32	50.24	4325.73	-393.07	394.21	241.41	462.26	31.48	1.17	43.22M
	4456.00 4643.00	2.98 2.40	43.22 46.12	4419.54 4606.33	-397.09 -403.32	398.25 404.51	245.81 251.96	468.00 476.56	31.68 31.92	1.50 0.32	46.12M 326.83M
	4832.00	2.31	326.83	4795.22	-403.32 -409.25	410.44	252.73	482.01	31.62	1,59	265.44M
	4926.00	1.01	265.44	4889.18	-410.78	411.96	250.87	482.34	31.34	2.16	232.87M
	5020.00	1.07	232.87	4983.17	-410.19	411.37	249.34	481.03	31.22	0.62	239.97M
	5115.00	1.17	239.97	5078.15	-409.17	410.35	247.79	479.36	31.13	0.18	234.04M
	5209.00	0.98	234.04	5172.13	-408.23	409.39	246.31	477.78	31.03	0.23	107.43M
	5303.00 5397.00	0.64 1.21	107.43 103.30	5266.13 5360.11	-407.60 -407.21	408.77 408.38	246.16 247.63	477.16 477.59	31.06 31.23	1.55 0.61	103.3M 102.62M
	5491.00	1.11	102.62	5454.09	-406.77	407.95	249.48	477.39	31.45	0.11	102.62M
	5583.00	1,10	101,35	5546.08	406.40	407.58	251,22	478,79	31,65	0.03	98,04M
	5676.00	0.87	98.04	5639.06	-406.11	407.31	252.79	479.38	31.83	0.25	87.78M
	5770.00	0.87	87.78	5733.05	-406.03	407.24	254.21	480.07	31.97	0.17	91.91M
	5862.00	0.95	91.91	5825.04	-406.03	407.24	255.67	480.84	32.12	0.11	81.75M
	5956.00 6051.00	0.92 1.01	81.75 85.55	5919.03 6014.02	-406.10 -406.27	407.32 407.50	257,20 258,79	481.73 482.73	32.27 32.42	0.18 0.12	85,55M 145,33M
	6145.00	0.52	145.33	6108.01	405.27	407.50	258.79 259.86	482.73 483.06	32.42 32.54	0.12	145.33M 166.13M
	6238.00	0.89	166.13	6201.00	-404.93	406.16	260.27	482.40	32.65	0.48	171.75M
	6332.00	1.08	171.75	6294.99	-403.34	404.58	260.57	481.23	32.78	0.23	183.13M
	6426.00	0.88	183.13	6388.97	-401.74	402.98	260.66	479.93	32.90	0.30	185.8M
	6521.00	1.01	185.80	6483.96	-400.18	401.42	260.53	478.55	32.99	0.14	260.59M
	6615.00 6709.00	0.86 1.14	260,59 266,86	6577.95 6671.94	-399.25 -399.09	400.48 400.31	259.76 258.13	477.34 476.32	32.97 32.81	1,21 0.32	266,86M 264,95M
	6804.00	1.14 1.31	266.86 264.95	6766.91	-399.09 -398.95	400.31	258.13 256.10	475.10	32.81 32.62	0.32	264.95M 17.34M
	5504.00	1.01	204,00	0,00.01	-000,00	700.10	200.10	4 70.10	32.02	0.10	17.54101

Drilling Office 2.10.782.0

	6898.00 6992.00 7086.00 7180.00 7368.00 7462.00 7556.00 7650.00 7745.00 7838.00 7932.00 8027.00 8120.00 8215.00 8310.00 8497.00 8591.00 8685.00 8779.00 8874.00 8874.00 9063.00 9157.00	0.56 1.08 0.73 0.64 0.23 0.24 0.13 0.08 0.11 0.33 0.64 0.93 1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.63	17.34 39.17 40.39 38.75 30.05 93.57 354.57 234.16 95.62 219.04 227.13 209.27 219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	6860.91 6954.90 7048.88 7142.88 7330.87 7518.87 7612.87 7707.87 7894.87 7899.86 8082.84 8177.84 8272.83 8366.83 8459.82	-399,30 -400,42 -401,56 -402,42 -403,56 -403,71 -403,81 -403,83 -403,61 -403,05 -402,02 -400,62 -399,98 -400,52 -401,08	400.51 401.63 402.77 403.64 404.79 404.94 405.03 405.10 405.05 404.83 404.27 403.23 401.83 401.19 401.74	255.17 255.86 256.81 257.53 258.37 258.66 258.79 258.82 258.74 258.19 257.42 256.45	474,88 476,21 477,68 478,80 480,22 480,50 480,68 480,70 480,68 480,46 479,68 476,69 476,69	32,50 32,50 32,52 32,54 32,55 32,57 32,58 32,57 32,58 32,56 32,56 32,55 32,55 32,55	1.71 0.64 0.37 0.10 0.22 0.26 0.31 0.20 0.19 0.43 0.34 0.40 0.33	39.17M 40.39M 38.75M 30.05M 93.57M 354.57M 234.16M 95.62M 219.04M 227.13M 209.27M 219.37M
	7086.00 7180.00 7180.00 7368.00 7462.00 7556.00 7650.00 7745.00 8027.00 8120.00 8215.00 8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.73 0.64 0.23 0.24 0.13 0.08 0.11 0.33 0.64 0.93 1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.68	40.39 38.75 30.05 93.57 354.57 234.16 95.62 219.04 227.13 209.27 219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	7048.88 7142.88 7330.87 7424.87 7518.87 7612.87 7707.87 7890.87 7989.86 8082.84 8177.84 8272.83 8366.83 8459.82	-401.56 -402.42 -403.56 -403.71 -403.81 -403.83 -403.61 -403.05 -402.02 -400.62 -399.98 -400.52 -401.08	402.77 403.64 404.79 404.94 405.03 405.10 405.05 404.83 404.27 403.23 401.83 401.19	256.81 257.53 258.37 258.66 258.85 258.79 258.82 258.74 258.19 257.42 256.45 255.98	477.68 478.80 480.22 480.50 480.68 480.70 480.68 480.46 479.68 478.40 476.69	32.52 32.54 32.55 32.57 32.58 32.57 32.58 32.58 32.56 32.55 32.55	0.37 0.10 0.22 0.26 0.31 0.20 0.19 0.43 0.34 0.40 0.33	38.75M 30.05M 93.57M 354.57M 234.16M 95.62M 219.04M 227.13M 209.27M 219.37M 54.75M
	7368.00 7462.00 7462.00 7556.00 7650.00 7745.00 7838.00 7932.00 8027.00 8120.00 8215.00 8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.23 0.24 0.13 0.08 0.11 0.33 0.64 0.93 1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.86 0.64	30.05 93.57 354.57 234.16 95.62 219.04 227.13 209.27 219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	7330.87 7424.87 7518.87 7612.87 7707.87 7809.86 8082.84 8177.84 8272.83 8366.83 8459.82	-403.56 -403.71 -403.81 -403.87 -403.83 -403.61 -403.05 -402.02 -400.62 -399.98 -400.52 -401.08	404.79 404.94 405.03 405.10 405.05 404.83 404.27 403.23 401.83 401.19	258.37 258.66 258.85 258.79 258.82 258.74 258.19 257.42 256.45 255.98	480.22 480.50 480.68 480.70 480.68 480.46 479.68 478.40 476.69	32.55 32.57 32.58 32.57 32.58 32.58 32.56 32.55 32.55	0.22 0.26 0.31 0.20 0.19 0.43 0.34 0.40	93.57M 354.57M 234.16M 95.62M 219.04M 227.13M 209.27M 219.37M 54.75M
	7462.00 7556.00 7556.00 7745.00 7838.00 7932.00 8027.00 8120.00 8215.00 8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.24 0.13 0.08 0.11 0.33 0.64 0.93 1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.66 0.64	93.57 354.57 234.16 95.62 219.04 227.13 209.27 219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	7424.87 7518.87 7612.87 7707.87 7800.87 7894.87 7989.86 8082.84 8177.84 8272.83 8366.83 8459.82 8553.82	-403.71 -403.81 -403.87 -403.83 -403.61 -403.05 -402.02 -400.62 -399.98 -400.52 -401.08	404.94 405.03 405.10 405.05 404.83 404.27 403.23 401.83 401.19	258.66 258.85 258.79 258.82 258.74 258.19 257.42 256.45 255.98	480.50 480.68 480.70 480.68 480.46 479.68 478.40 476.69	32.57 32.58 32.57 32.58 32.58 32.56 32.56 32.55	0.26 0.31 0.20 0.19 0.43 0.34 0.40	354.57M 234.16M 95.62M 219.04M 227.13M 209.27M 219.37M 54.75M
	7650.00 7745.00 7838.00 7932.00 8027.00 8120.00 8215.00 8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.08 0.11 0.33 0.64 0.93 1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.86	234.16 95.62 219.04 227.13 209.27 219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	7612.87 7707.87 7800.87 7894.87 7899.86 8082.84 8177.84 8272.83 8366.83 8459.82 8553.82	-403.87 -403.83 -403.61 -403.05 -402.02 -400.62 -399.98 -400.52 -401.08	405.10 405.05 404.83 404.27 403.23 401.83 401.19	258.79 258.82 258.74 258.19 257.42 256.45 255.98	480.70 480.68 480.46 479.68 478.40 476.69	32.57 32.58 32.58 32.56 32.55 32.55	0.20 0.19 0.43 0.34 0.40 0.33	95.62M 219.04M 227.13M 209.27M 219.37M 54.75M
	7745.00 7838.00 7832.00 8027.00 8120.00 8215.00 8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.11 0.33 0.64 0.93 1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.86 0.64	95.62 219.04 227.13 209.27 219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	7707.87 7800.87 7894.87 7989.86 8082.84 8177.84 8272.83 8366.83 8459.82 8553.82	-403.83 -403.61 -403.05 -402.02 -400.62 -399.98 -400.52 -401.08	405.05 404.83 404.27 403.23 401.83 401.19	258.82 258.74 258.19 257.42 256.45 255.98	480.68 480.46 479.68 478.40 476.69	32.58 32.58 32.56 32.55 32.55	0.19 0.43 0.34 0.40 0.33	219.04M 227.13M 209.27M 219.37M 54.75M
	7838.00 7932.00 8027.00 8120.00 8215.00 8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.33 0.64 0.93 1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.86 0.64	227.13 209.27 219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	7800.87 7894.87 7989.86 8082.84 8177.84 8272.83 8366.83 8459.82 8553.82	-403.61 -403.05 -402.02 -400.62 -399.98 -400.52 -401.08	404.27 403.23 401.83 401.19	258.74 258.19 257.42 256.45 255.98	480.46 479.68 478.40 476.69	32.58 32.56 32.55 32.55	0.34 0.40 0.33	227.13M 209.27M 219.37M 54.75M
	8027.00 8120.00 8215.00 8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.93 1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.86 0.64	209.27 219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	7989.86 8082.84 8177.84 8272.83 8366.83 8459.82 8553.82	-402.02 -400.62 -399.98 -400.52 -401.08	403.23 401.83 401.19	257.42 256.45 255.98	478.40 476.69	32.55 32.55	0.40 0.33	219.37M 54.75M
	8120.00 8215.00 8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	1.18 0.23 0.85 0.45 0.34 0.41 0.63 1.13 0.86 0.64	219.37 54.75 51.34 70.62 123.28 144.23 180.30 186.33	8082.84 8177.84 8272.83 8366.83 8459.82 8553.82	-400.62 -399.98 -400.52 -401.08	401.83 401.19	256.45 255.98	476.69	32.55	0.33	54.75M
	8310.00 8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.85 0.45 0.34 0.41 0.63 1.13 0.86 0.64	51.34 70.62 123.28 144.23 180.30 186.33	8272.83 8366.83 8459.82 8553.82	-400.52 -401.08			475.90	32.54	1 //8	E4 0 444
	8404.00 8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.45 0.34 0.41 0.63 1.13 0.86 0.64	70.62 123.28 144.23 180.30 186.33	8366.83 8459.82 8553.82	-401.08	401.74					51.34M
	8497.00 8591.00 8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.34 0.41 0.63 1.13 0.86 0.64	123.28 144.23 180.30 186.33	8459.82 8553.82		402.30	256,69 257.58	476.74 477.69	32,58 32.63	0.65 0.48	70,62M 123,28M
	8685.00 8779.00 8874.00 8969.00 9063.00 9157.00	0.63 1.13 0.86 0.64	180.30 186.33		-401.05	402.27	258.16	477.98	32.69	0.39	144.23M
	8779.00 8874.00 8969.00 9063.00 9157.00	1.13 0.86 0.64	186.33		-400.62	401.84	258.59	477.85	32.76	0.16	180.3M
	8874.00 8969.00 9063.00 9157.00	0.86 0.64		8647.82 8741.81	-399.83 -398.39	401.05 399.61	258.78 258.67	477.29 476.03	32.83 32.92	0.41 0.54	186.33M 187.62M
	9063.00 9157.00		187.62	8836.79	-396.75	397.98	258.48	474.55	33.00	0.29	178.28M
	9157.00	0.62	178,28 204,18	8931.78 9025.78	-395.52 -394.53	396.74 395.75	258.40 258.21	473.47 472.53	33,08 33,12	0,26 0.30	204,18M 194,41M
	9251.00	0.91	194.41	9119.77	-393.34	394.56	257.81	471.32	33.16	0.34	211.4M
		1.01	211.40	9213.76	-391.92	393.13	257.19	469.79	33.19	0.32	240.7M
	9346.00 9441.00	1.15 1.35	240.70 255.71	9308.74 9403.72	-390.74 -390.01	391.95 391.21	255,93 254.01	468.11 466.44	33.14 33.00	0.59 0.40	255.71M 260.06M
	9535.00	1.55	260.06	9403.72	-390.01	391.21	254.01 251.72	464.79	33.00	0.40	252,52M
	9724.00	1.18	252.52	9686.64	-388.54	389.71	247.41	461.61	32.41	0.20	351.99M
	9818.00 10006.00	0.52 0.52	351.99 354.87	9780.63 9968.62	-388.67 -390.37	389.84 391.53	246.43 246.23	461.19 462.52	32.30 32.17	1.45 0.01	354.87M 323.61M
	10101.00	0.68	323.61	10063.62	-391.25	392.42	245.86	463.07	32.07	0.38	329.22M
	10195.00	0.60	329,22	10157.61	-392.13	393.29	245.28	463.50	31.95	0.11	318.1M
	10288.00 10383.00	0.57 0.76	318.10 321.84	10250.61 10345.60	-392.89 -393.74	394.05 394.90	244.72 244.01	463.86 464.21	31.84 31.71	0.13 0.21	321.84M 352.11M
	10477.00	0.50	352.11	10439.59	-394.64	395.79	243.57	464.74	31.61	0.44	2.51M
	10570.00	0.71	2.51	10532.59	-395.62	396.77	243.54	465.55	31.54	0.25	340.04M
	10664.00 10758.00	0.75 0.76	340.04 261.60	10626.58 10720.58	-396.78 -397.27	397.93 398.42	243.36 242.53	466.45 466.43	31.45 31.33	0.31 1.02	261.6M 265.25M
	10852.00	1.80	265,25	10814.55	-397.07	398,21	240.44	465.17	31.12	1.11	284.25M
	10947.00 11041.00	2.34 2.80	284.25 269.79	10909.49 11003.40	-397.44 -397.92	398.56 399.02	237.07 232.92	463.74 462.03	30.75 30.27	0.91 0.84	269.79M 259.76M
	11134.00	2.56	259.76	11096.29	-397.56	398.65	228.60	459.54	29.83	0.57	263.4M
	11228.00	2.13	263.40	11190.22	-397.01	398.07	224.80	457.16	29.45	0.48	258.23M
	11338.00 11433.00	2.05 2.72	258.23 263.01	11300.14 11395.06	-396.39 -395.79	397.44 396.81	220.85 216.94	454.67 452.25	29.06 28.67	0.19 0.74	263.01M 273.86M
	11527.00	2.83	273.86	11488.95	-395.69	396.70	212.42	449.99	28.17	0.57	186.98M
	11621.00	9.48	186.98	11582.48	-388.16	389.15	209.15	441.80	28.26	10.36	12.76L
Heel HL Cross	11716.00 11748.82	17.64 20.44	180.96 181.01	11674.75 11705.78	-365.97 -355.27	366.96 356.25	207.96 207.77	421.79 412.42	29.54 30.25	8.71 8.53	0.37R 0.32R
	11812.00	25.83	181.08	11763.85	-330.46	331.44	207.32	390.94	32.03	8.53	6.54L
	11907.00 12002.00	34.65 45.80	179.31 177.86	11845.85 11918.27	-282.67 -221.44	283.65 222.42	207.25 208.86	351.30 305.11	36.15 43.20	9.33 11.78	5.36L 8.98L
	12002.00	52.06	176.61	11980.65	-149.92	150.92	212.35	260.52	54.60	6.66	12.19L
	12192.00	58.95	174.88	12034.42	-71.87	72.90	218.20	230.06	71.53	7.41	5.07L
	12287.00 12382.00	71.33 81.64	173.73 178.70	12074.29 12096.47	13.77 105.81	-12.70 -104.72	226.78 232.78	227.14 255.25	93.21 114.22	13.08 11.98	25.74R 33.4R
	12477.00	83.45	179.90	12108.80	200.00	-198.90	233.93	307.06	130.37	2.28	43.6L
	12572.00	85.97	177.50	12117.56	294.57	-293.46	236.08	376.63	141.18	3.66	18.87R
	12666.00 12760.00	87.90 90.55	178.16 177.71	12122.58 12123.85	388.38 482.31	-387.25 -481.17	239.63 243.02	455.40 539.06	148.25 153.20	2.17 2.86	9.64L 148.69L
	12821.00	87.97	176.14	12124.64	543.23	-542.07	246.29	595.40	155.57	4.95	93.68R
	12970.00	87.70	180.43	12130.27	692.04	-690.86	250.75	734.96	160.05	2.88	39.8L
	13064.00 13158.00	89.97 90.07	178.54 180.99	12132.18 12132.15	786.01 880.00	-784.83 -878.82	251.59 251.98	824.17 914.23	162.23 164.00	3.14 2.61	87.66R 86.69R
	13252.00	90.14	182.20	12131.98	973.95	-972.78	249.36	1004.24	165.62	1.29	90R
	13346.00 13440.00	90.14 89.93	182.69 181.81	12131.75 12131.69	1067.84 1161.75	-1066.70 -1160.62	245.35 241.66	1094.55 1185.52	167.05 168.24	0.52 0.96	103.42L 128.99L
	13534.00	89.76	181.60	12131.09	1255.69	-1254.58	238.86	1277.12	169.22	0.29	87.32L
	13629.00	89.79	180.96	12132.32	1350.66	-1349.56	236.74	1370.16	170.05	0.67	93.3R
	13723.00 13817.00	89.76 89.73	181.48 181.44	12132.69 12133.11	1444.63 1538.58	-1443.54 -1537.50	234.74 232.34	1462.50 1554.96	170.76 171.41	0.55 0.05	126.87L 83.89R
	13911.00	89.76	181.72	12133.52	1632.53	-1631.47	229.75	1647.57	171.98	0.30	78.92R
	14005.00	90.24	184.17	12133.52	1726.38	-1725.34	224.92	1739.93	172.57	2.66	100.05L
	14100.00 14194.00	90.10 88.08	183.38 178.26	12133.24 12134.74	1821.14 1915.07	-1820.13 -1914.07	218.67 217.32	1833.22 1926.37	173.15 173.52	0.84 5.85	111.56L 139.07R
	14288.00	82.99	182.71	12142.06	2008.73	-2007.73	216.54	2019.37	173.84	7.18	108.32R
First DMAG Correction	14382.00	81.64	186.89	12154.63	2101.49	-2100.53	208.76	2110.88	174.32	4.63	12.24L
	14476.00 14579.00	85.83 89.24	185.98 183.86	12164.89 12169.32	2194.27 2296.73	-2193.36 -2295.87	198.29 189.47	2202.31 2303.67	174.83 175.28	4.56 3.90	31.9L 76.89L
	14664.00	89.72	181.80	12170.09	2381.60	-2380.75	185,27	2387.95	175.55	2.49	52.21L
	14759.00	91.34	179.71	12169.21	2476.57	-2475.73	184.02	2482.56	175.75	2.78	81.59L
	14853.00 15041.00	91.72 91.92	177.13 176.33	12166.70 12160.73	2570.51 2758.15	-2569.66 -2757.25	186,61 197.33	2576.42 2764.31	175.85 175.91	2.77 0.44	75.94L 125.55R
	15135.00	91.82	176.47	12157.66	2851.94	-2851.02	203,23	2858.25	175.92	0.18	86.44R
	15230.00	91.92	178.09 178.77	12154.56	2946.80	-2945.86 3039.77	207.73	2953.17	175.97	1.71	98.36R
	15324.00 15418.00	91.82 92.06	178.77 178.91	12151.49 12148.31	3040.73 3134.66	-3039.77 -3133.70	210.31 212.21	3047.04 3140.88	176.04 176.13	0.73 0.30	30.24R 119.41L
	15512.00	90.31	175.81	12146.37	3228.55	-3227.56	216.54	3234.82	176.16	3.79	100.65R
	15607.00	89.96	177.67	12146.14	3323.41	-3322.41	221.94	3329.81	176.18	1.99	91.07R
	15701.00 15795.00	89.92 90.34	179.82 180.66	12146.24 12146.03	3417.39 3511.39	-3416.38 -3510.38	224.00 223.60	3423.71 3517.49	176.25 176.36	2.29 1.00	63.43R 140.36R
	15889.00	89.99	180.95	12145.76	3605.37	-3604.37	222.28	3611.21	176.47	0.48	24.44L
	15984.00 16078.00	90.54 89.58	180.70 180.63	12145.32 12145.22	3700.35 3794.34	-3699.35 -3793.35	220.92 219.83	3705.94 3799.71	176.58 176.68	0.64 1.02	175.83L 71.57R

16172.00	Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100 ft)	TF (°)
1855 1855												
1465700 90.00 18.77 121-46.07 417-238 417-238 417-237 177-104 0.0.9 180-248												
1695200 69.72 77.85 7214-50 7214-50 7215-50												
19447.00 98.98 177.39 12147.22 439.25 -499.27 21.81 407.75 177.15 1.33 56.77 19441.00 98.96 177.34 12144.27 449.27 449.27 421.47 449.77 177.15 1.33 56.77 19441.00 98.96 177.38 12144.27 449.17 449.18 22.27 449.19 177.75 1.23 121.48 19441.01 98.96 177.38 121.48 449.17 449.18 22.27 449.19 177.75 1.23 121.48 19441.01 98.96 177.38 121.48 449.17 449.18 22.27 449.19 177.75 1.23 121.48 19441.01 98.96 177.39 121.48 449.17 449.18 22.27 449.19 177.76 1.23 177.48 19441.01 98.96 177.39 121.48 449.17 449.18 22.28 449.17 177.48 1.23 177.48 19441.00 98.01 177.33 121.48 449.17 449.18 22.28 449.17 177.48 1.23 177.48 19441.00 98.00 177.33 121.48 449.17 449.18 22.28 512.39 177.75 2.27 449.49 19441.00 98.00 177.33 121.48 449.17 449.18 22.28 512.39 177.75 2.27 449.49 19441.00 98.00 177.33 121.48 449.17 449.18 22.28 512.39 177.75 2.27 449.49 19441.00 98.00 177.33 121.48 449.18 449												
1874.00 98.85 778.44 1214.74 4457.20 4448.20 222.20 4497.74 777.15 0.44 94.45 94.65 177.16 0.25 55.777 12.20 55.777 177.15 0.25 55.777 177.15 0.25 55.777 177.15 0.25 55.777 177.15 0.25 55.777 177.15 0.25 55.777 177.15 0.25 177.15												
1888,00 80,00 80,00 122,01 1214,05 480,19 223,48 480,67 177,19 2.29 85,77												
1702,000 90,02 91,05 1214,55 474,15 220,24 474,05 177,44 0.25 118,04 177,05 177,05 178,05 177,05 178,05 178,05 177,05 178,05 17												
1772.00 1772.00 190.24 190.25 1214.45 489.11 485.14 219.14 484.01 177.46 0.32 178.05 179.05 179.05 190.25 1214.16		16931.00	90.72	181.28	12146.87	4647.17	-4646.18	222.17	4651.49	177.26	1.23	66.5L
1715.00 190.00 190.20 190.24 149.19 4591.11 4390.13 218.66 4394.89 177.46 0.37 114.48P 177.00 177.00 177.00 174.48P 4591.11 4390.13 218.66 177.00 177.60 2.67 446.64 177.00 177.00 174.00												
1779,000 89,02 190,49 1214,46 3025,10 4024,13 216,03 5028,96 177,52 0.62 194,46 174,40												
1794.00												
17490.00												
1799.00 89.72 179.05 2147.75 509.02 -509.02 224.33 512.76 177.86 0.81 95.86												
1788.00 86.88 178.44 1214a.25 540.402 -540.501 22.55.81 550.67 177.61 0.41 178.88 1787.00 80.17 174.34 1214a.25 540.401 -540.801 22.55.81 550.67 177.64 0.54 0.54 1787.00 80.10 180.81 1214a.64 550.401 -550.801 22.55.81 550.67 177.68												
1778.00 99.17 1794.49 121482.00 5496.01 5496.00 226.51 5502.67 177.64 0.54 5508.00 177.77 1777.00 1777.00 189.02 177.06 12149.46 5509.00 5695.00 225.77 5691.46 177.77 1.09 1224.61 1224.61 1224.6												
17878.00 90.20 180.81 12148.64 5586.00 4595.00 228.77 5691.8 177.88 1.88 111.84 117.75 1.09 125.466.												
17972.00 98.92 179.86 12140.46 5686.00 .587.00 225.77 5691.46 177.73 1.09 125.46 1916.00 88.66 176.86 12152.74 578.75 120.11 1586.01 177.76 0.06 78.82 179.15 179.15 177.75												
18161.00 88.86 178.68 12152.74 5879.03 5875.01 230.11 5880.41 177.76 0.68 73.82.												
18256.00 89.31 176.18 12154.26 5971.83 234.37 5976.39 177.75 2.67 75.01R 1845.00 89.65 177.59 12155.11 605.72 -6004.80 606.38 177.74 1.09 103.13L 1845.00 89.10 175.57 12156.15 605.84 14.09.49 244.83 6164.35 177.73 2.55 50.53L 1853.00 89.24 177.40 12157.15 6254.31 4253.19 251.98 6252.27 177.69 0.23 60.07R 1853.00 89.07 177.20 12155.10 6254.31 4253.19 251.98 6252.27 177.69 0.23 60.07R 1853.00 89.07 177.20 12155.20 6344.13 4253.19 255.11 6855.23 177.75 2.03 60.07R 18918.00 90.00 181.01 12156.95 6532.95 6532.95 6532.95 6532.95 19918.00 90.00 181.01 12156.95 6532.95 6532.95 6532.95 6532.95 19918.00 90.03 181.01 12156.95 6532.95 6532.95 6532.95 6532.95 19918.00 90.03 181.01 12156.95 6522.95 6532.95 6532.95 19918.00 90.04 180.63 12156.82 6622.95 6622.95 6632.95 6632.95 19928.00 89.93 179.41 12156.80 6917.91 4916.81 249.50 673.49 177.69 0.11 99.51L 19029.00 89.93 179.41 12156.80 6917.91 4916.81 249.50 673.23 177.90 0.11 99.51L 19929.00 90.34 180.88 12156.58 7011.91 7010.91 246.90 7016.28 177.69 1.37 31.84 19929.00 89.55 179.86 12155.80 7019.90 7010.91 246.90 7016.28 177.60 1.37 31.84 19971.00 89.53 178.79 12155.80 7019.90 7010.91 246.90 7016.28 177.60 1.37 30.37R 19971.00 89.59 178.79 12155.80 708.90 708.80 707.00 708.00 707.00 708.00		18066.00					-5780.97					
18350.00 88.65 177.63 12155.11 5065.72 -6064.66 29.19 5069.38 177.74 1.90 103.151.												
1844.00 89.10 175.67 12156.15 6160.58 -6159.49 24.48 6164.35 177.75 2.55 50.531 1653.90 1653.90 89.24 177.60 12158.20 6346.13 -225.81 6353.23 177.67 2.03 63.07												
18539.00 89.24 175.40 12157.51 6244.31 4253.19 251.98 6258.27 177.69 0.23 86.03 1872.00 1917.20 12158.20 5444.11 4-844.99 251.91 6355.23 177.67 5.11 43.98 1872.80 90.02 181.01 12158.29 5639.01 4-842.96 258.73 6448.15 177.77 0.66 177.70 182.05 12157.40 659.01 4-8537.88 254.97 6448.25 177.77 0.66 177.71 0.66 112.72.1 181818.00 90.00 181.01 12158.93 6572.93 4-772.82 252.01 6558.62 177.77 0.66 112.72.1 191013.00 90.03 180.71 12158.93 6727.93 4-772.82 250.07 6731.49 177.87 0.32 48.81 191013.00 90.03 180.71 12158.93 6727.93 4-772.82 250.07 6731.49 177.79 0.11 95.51 190203.00 90.93 177.91 12158.93 6727.93 4-772.82 249.55 6823.33 177.90 0.11 95.51 190203.00 90.93 177.91 12158.93 677.79 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 177.05 190202.00 90.93 177.94 177.95 177.95 177.05 1												
1893-8.00 89.38 177.20 12158-12 6349-13 6-947/99 258.11 6559.23 177.67 2.03 87.178 1828-24.00 90.42 182.49 12157.46 6559.01 6559.02 258.13 6458.15 177.77 0.66 112.724 121.69 182.69 121.69												
18729.00 90.72 182.05 12158.12 5444.11 -6442.96 258.73 6448.15 177.70 5.11 44.395 18181.00 90.00 181.01 12156.96 653.95 653.95 255.01 6585.62 177.77 0.66 112.721. 18181.00 90.00 181.01 12156.96 6632.95 6632.95 252.01 673.149 177.87 0.32 48.811. 1918.00 90.10 180.03 12156.92 6632.95 6622.95 250.07 6731.49 177.87 0.32 48.811. 1918.00 90.03 180.01 12156.93 6727.93 -6728.82 250.07 6731.49 177.87 0.32 48.811. 1918.00 90.04 180.08 12156.90 6817.91 -8016.81 249.55 6823.33 177.90 0.11 96.511. 1918.00 1919.00 90.34 180.08 12156.90 7011.91 -7010.81 249.90 7015.26 177.96 17.70 138.481. 19487.00 89.85 177.87 12156.90 7015.91 -7010.81 249.90 7015.26 177.96 17.70 138.481. 19487.00 90.86 177.94 12157.00 27208.90 27208.90 27208.90 7200.81 177.94 17.70 17.7												
18818.0 90.02 182.49 12157.46 6599.01 4557.88 254.97 6542.85 177.77 0.66 112.721 182.691 19101.00 90.03 180.71 12156.93 6727.93 4756.82 250.67 6731.49 177.87 0.32 48.811 19108.00 90.10 180.63 12156.82 6822.92 48.818.1 246.56 8826.83 177.00 0.11 95.511 195.00 19267.00 90.34 180.88 12156.80 6917.91 4.915.68 826.83 177.90 0.11 95.511 1926.00 90.34 180.88 12156.60 6917.91 4.915.68 826.83 177.90 1.15 95.511 1938.00 89.55 179.98 12156.67 7101.91 7101.91 7101.91 717.96 717.96 1.70 133.461 1938.00 95.55 179.98 12156.67 7101.96 7701.96												
19918.00 90,00 181,01 12158.98 6632.95 -6631.83 252,10 6638.62 177.82 1,71 84,291.												
19013.00 90.03 180.71 12158.93 672.92 250.67 6731.49 177.87 0.32 48.81L 19020.00 90.03 179.14 12158.80 6917.91 5916.81 249.56 6822.32 177.90 1.58 75.084 19020.00 90.44 180.68 12158.68 6917.91 5916.81 249.56 6821.32 177.90 1.58 75.084 19020.00 90.44 180.68 12158.67 7101.81 249.56 7101.81 249.56 7105.66 177.96 1.17 68.63 19487.00 90.58 178.73 12157.39 7201.90 7201.9												
1918.06 90.10 180.83 175.84 682.22 -6821.81 249.56 6826.38 177.90 0.11 98.51.11												
1929/700 99.34 19.08 12166.78 7710.81 249.09 7015.26 177.98 1.70 1334.61 1948/700 89.55 179.98 12166.77 7106.80 249.35 7110.18 177.99 1.11 1958/200 90.86 179.48 12157.97 7201.90 -7200.80 250.42 7205.15 178.01 1.32 20.3378 1958/200 90.86 179.48 12157.07 7206.80 250.42 7205.15 178.01 1.32 20.3378 1958/200 90.86 179.48 12157.07 7206.80 7390.87 -7295.78 251.90 7300.13 178.02 1.55 122.21L 1967/200 90.31 178.64 12156.66 7390.87 -7389.78 253.46 7394.11 178.04 0.43 20.18 1977/100 89.33 178.79 12155.86 7465.86 7464.74 255.58 7489.10 178.05 0.46 113.2L 20055.00 88.96 717.82 12155.81 7769.79 -7768.64 252.80 7773.08 178.05 0.46 113.2L 20050.00 88.97 176.25 12155.01 7899.50 -7895.30 274.04 7983.01 178.03 0.25 145.31L 20039.00 89.72 176.05 12155.77 8093.50 -7895.30 274.04 7983.01 178.03 0.25 145.31L 20039.00 99.6 181.49 12155.85 8243.16 4305.89 285.58 8151.94 177.99 2.61 774.88 20040.00 99.04 179.05 12156.78 8033.00 4306.94 285.58 8151.94 177.99 2.61 774.88 20052.00 99.04 179.05 12156.75 8033.00 4306.94 285.59 824.86 8151.94 177.99 2.61 774.88 20062.00 99.04 179.05 12156.75 8033.01 8307.6 4305.91 284.93 8340.78 178.04 2.68 20080.00 99.04 179.05 12156.75 8033.01 8307.6 4305.91 284.93 8340.78 178.04 2.68 20080.00 99.04 179.05 12156.75 8033.01 8308.76 284.85 852.97 178.05 1.10 20.08 20080.00 99.04 179.05 12156.75 8033.01 8308.77 284.85 289.58 852.97 178.05 1.10 20.08 20080.00 99.04 179.05 12156.75 8033.01 8308.77 284.85 289.58 852.97 178.05 1.10 20.08 20080.00 99.04 179.05 12156.75 8033.01 800.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00 80.00												
1939.00		19203.00	89.93	179.14	12156.80	6917.91	-6916.81	249.75	6921.32	177.93	1.58	75.09R
1987.00 89.88 178.73 12157.39 77201.80 250.42 7205.15 178.01 1.32 30.37R 1985.00 90.86 178.48 12157.02 7206.89 -7205.78 251.90 730.013 178.02 1.56 1232.11 1971.00 89.93 178.79 12155.86 7484.74 255.58 7484.74 255.58 7484.74 255.80 7394.11 178.04 0.43 20.18 1986.00 90.34 178.94 12155.84 7580.85 -7580.72 257.48 7584.09 178.05 0.46 113.2L 20055.00 89.95 177.82 12155.31 7789.79 -7786.84 252.80 7773.08 178.06 0.46 92.8L 20150.00 89.97 176.26 12155.00 7899.50 -7868.63 276.99 7868.06 178.05 0.46 113.2L 20050.00 89.95 176.05 12155.01 7899.50 -7868.51 267.99 7868.06 178.05 0.46 0.45 1.62 106.93L 20039.00 90.96 181.94 12155.86 3814.20 -8145.94 265.28 38151.94 177.99 2.61 74.48R 20250.00 90.96 181.94 12155.86 8337.16 -8335.91 284.93 8340.78 178.06 2.68 99.34 177.76 12155.86 8337.16 -8335.91 284.93 8340.78 178.06 178.06 20050.00 90.34 177.76 12155.86 8337.16 -8348.90 286.73 8346.87 178.06 178.06 20050.00 90.34 177.76 12155.86 8337.16 -8348.90 286.73 8340.78 178.06 1.00 29.99 20050.00 90.34 177.76 12155.86 8337.16 -8348.90 286.73 8340.78 178.06 1.00 29.99 20050.00 90.34 177.76 12155.86 8337.16 -8348.90 286.73 8340.78 178.06 1.10 82.08R 20050.00 90.34 177.76 12155.86 8337.16 -8348.90 286.73 8340.78 178.06 1.10 82.08R 20050.00 90.34 178.86 12152.36 8300.00 89.08 182.20 12152.63 8310.06 8800.78 223.28 8318.33 176.10 20.98 20.88 20.98												
1986,00 90.86 179.48 12157,02 7296,88 -7296,78 251,90 7300,13 178,02 1,56 122,21												
18676.00 99.31 178.64 12156.06 7390.87 -7389.76 253.45 7394.11 178.04 1.07 158.46R 19771.00 89.93 178.79 12155.86 7485.86 -7484.74 255.58 7489.10 178.04 0.43 20.1R 19866.00 99.34 178.94 12155.64 7580.85 -7579.72 257.46 7584.09 178.05 0.46 113.2L 20150.00 89.86 177.62 12155.61 7769.79 -7768.64 262.80 77775.08 178.05 0.46 113.2L 20150.00 89.79 176.05 12155.60 7684.68 -7685.51 267.69 7686.06 178.05 0.62 106.93L 20150.00 89.72 176.05 12156.01 7959.50 -7958.30 274.04 7963.01 178.03 0.25 145.31L 20339.00 89.59 1775.96 12156.87 8053.30 8052.07 280.59 8056.95 1778.00 0.17 78.15R 20434.00 90.10 178.39 12156.83 8148.20 8148.20 8148.94 285.28 8151.94 177.99 2.61 74.48R 20529.00 90.66 181.49 12155.95 8243.18 8241.93 285.27 284.93 8340.78 178.04 2.68 96.34L 20623.00 90.34 179.05 12154.88 8337.16 8335.91 284.93 8340.78 178.04 2.68 96.34L 20623.00 90.31 177.75 12153.84 8326.12 8524.85 285.58 8529.76 178.05 1.10 92.06R 20907.00 90.27 178.85 12153.36 8621.08 8619.90 292.40 8624.76 178.05 1.10 92.06R 21000.00 90.48 179.83 12152.73 8716.08 8914.79 293.49 8719.73 178.10 2.08 62.86R 21191.00 89.66 182.00 12152.63 8904.99 8903.37 289.17 8908.42 178.14 0.71 118.3R 21167.00 90.10 178.96 12152.05 9378.84 9377.61 283.09 9381.88 178.17 0.26 141.12 12167.00 90.10 178.96 12152.05 9378.84 9377.61 283.09 9381.88 178.17 0.26 141.12 12167.00 90.10 178.96 12152.05 9378.84 9377.61 283.09 9381.88 178.17 0.26 141.12 12167.00 90.10 178.03 12152.05 9378.84 9377.61 283.09 9381.88 178.27 0.26 141.12 12167.00 99.00 190.00 190.34 12152.05 12152.05 12152.05 12152.05 12152.05 12152.05 12152.05 12152.05 12152.05 12152.05 12152.05 12												
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20529.00 90.96 181.49 12155.95 8243.18 8241.93 285.37 8246.86 178.02 3.39 104.24L		20339.00	89.59	175.96	12156.57	8053.30	-8052.07	280.59	8056.95	178.00	0.17	78.15R
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21655.00 90.24 180.54 12152.65 9378.84 -9377.61 283.09 9381.88 178.27 0.26 141.12L												
180.29 12152.66 9472.83 -9471.60 282.41 9475.81 178.29 0.42 164.05L		21570.00	90,10	180,34	12152,93	9283,84	-9282,61	283.82	9286,95	178,25	1.47	55.01R
21854.00 89.86 180.27 12152.68 9567.82 -9566.60 281.95 9570.76 178.31 0.08 10.44R 21948.00 90.24 180.34 12152.60 9661.82 -9660.60 281.44 9664.70 178.33 0.41 168.37R 180.24 12152.49 9755.81 -9754.60 280.83 9758.64 178.35 0.37 118.3L 12152.49 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 178.35 178.37 180.24 18			90.24					283.09		178.27	0.26	
21948.00 90.24 180.34 12152.60 9661.82 -9660.60 281.44 9664.70 178.33 0.41 168.37R												
22042.00 89.90 180.41 12152.49 9755.81 -9754.60 280.83 9758.64 178.35 0.37 118.3L												
22137.00 89.83 180.28 12152.71 9850.81 -9849.60 280.26 9853.58 178.37 0.16 45R 22321.00 90.10 180.55 12152.77 9944.80 -9943.59 279.58 9947.52 178.39 0.41 105.12L 22326.00 89.90 179.81 12152.77 10039.80 -10038.59 279.28 10042.48 178.41 0.81 90L 22420.00 89.90 177.46 12152.93 10133.77 -10132.56 281.52 10136.47 178.41 2.50 73.1R Toe HL Cross 22429.56 90.05 177.95 12152.79 10175.76 -10174.54 281.59 10178.47 178.41 5.33 73.1R Last SLB MWD DMAG Survey 22462.00 90.55 179.60 12152.77 10175.76 -10174.54 282.59 10178.47 178.41 5.33 HS												
2231.00 90.10 180.55 12152.77 9944.80 -9943.59 279.58 9947.52 178.39 0.41 105.12L 22326.00 89.90 179.81 12152.77 10039.80 -10038.59 279.28 10042.48 178.41 0.81 90L 22420.00 89.90 177.81 12152.93 10133.77 -10132.56 281.52 10136.47 178.41 2.50 73.1R Toe HL Cross 22429.56 90.05 177.95 12152.93 10143.33 -10142.11 281.90 10146.03 178.41 5.33 73.1R Last SLB MWD DMAG Survey 22462.00 90.55 179.60 12152.77 1017.576 -10174.54 282.59 10178.47 178.41 5.33 HS												
Lest SLB MWD DMAG Survey 22326.00 89.90 179.81 12152.77 10039.80 -10038.59 279.28 10042.48 178.41 0.81 90L Toe HL Cross 22420.00 89.90 177.46 12152.93 10143.37 -10132.56 281.52 10136.47 178.41 2.50 73.1R Lest SLB MWD DMAG Survey 22429.56 90.05 177.95 12152.93 10143.33 -10142.11 281.90 10146.03 178.41 5.33 73.1R Last SLB MWD DMAG Survey 22462.00 90.55 179.60 12152.77 10175.76 -10174.54 282.59 10176.87 178.41 5.33 HS												
Z6420,00 89,90 177,46 12152,93 10133,77 -10132,56 281,52 10136,47 178,41 2,50 73,1R Toe HL Cross 22429,56 90.05 177,95 12152,93 10143,33 -10142,11 281,90 10146,03 178,41 5,33 73,1R Last SLB MWD DMAG Survey 22462.00 90.55 179,60 12152,77 10175,76 -10174,54 282.59 10178,47 178,41 5,33 HS												
Toe HL Cross 22429.56 90.05 177.95 12152.93 10143.33 -10142.11 281.90 10146.03 178.41 5.33 73.1R Last SLB MWD DMAG Survey 22462.00 90.55 179.60 12152.77 10175.76 -10174.54 282.59 10178.47 178.41 5.33 HS												
Last SLB MWD DMAG Survey 22462.00 90.55 179.60 12152.77 10175.76 -10174.54 282.59 10178.47 178.41 5.33 HS	Toe HL Cross											

Survey Type:

Def Survey

Survey Error Model: Survey Program:

ISCWSA Rev 3 *** 3-D 97.071% Confidence 3.0000 sigma

	Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Ho l e Size Casi (in)	ng Diameter (in)	Survey Tool Type	Borehole / Survey
-		1	0.000	32.600	1/98.425	30.000	30.000	A001Mb_MWD-Depth Only	SD 14 23 Fed P18 11H / Chevron SD 14 23 Fed P18 11H MWD to
		1	32.600	32.600	Act Stns	30.000	30.000	A001Mb_MWD-Depth Only	SD 14 23 Fed P18 11H / Chevron SD 14 23 Fed P18 11H MWD to
		1	32.600	768.900	Act Stns	30.000	30.000	A001Mb_MWD	SD 14 23 Fed P18 11H / Chevron SD 14 23 Fed P18 11H MWD to
		1	768.900	14382.000	Act Stns	30.000	30.000	B001Mb_MWD+HRGM	SD 14 23 Fed P18 11H / Chevron SD 14 23 Fed P18 11H MWD to
		1	14382,000	22505,000	Act Stns	30,000	30,000	B002Mb_MWD+HRGM+AX	SD 14 23 Fed P18 11H / Chevron SD 14 23 Fed P18 11H MWD to

26 SOUTH

¹³ Joint or Infill

Infill

32 EAST, N.M.P.M.

¹⁴ Consolidation Code

<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>
811 S. First St., Artesia, NM 88210

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

Dedicated Acres

640

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

X AMENDED REPORT
"As-Drilled"

LEA

WELL LOCATION AND ACREAGE DEDICATION PLAT

	¹ API Num	ıber	² Pool C	ode	³ Pool Name								
	30-025-4	5821	980	065 WC-025 G-08 S263205N; UPPER WOLFCAMP									
⁴ Proper	ty Code			⁵ Property Name						⁶ Well Number			
325	325387 SD 14 23 FED P18									12H			
⁷ OGR	⁷ OGRID No. ⁸ Operator Name									⁹ Elevation			
43	4323 CHEVRON U.S.A. INC.								3197'				
•	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			
С	14	26 SOUTH	32 EAST, N.M.P.M. 455' NORTH 1455'		WE	EST	LEA						
	¹¹ Bottom Hole Location If Different From Surface								SL				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/V	West line	County			

26'

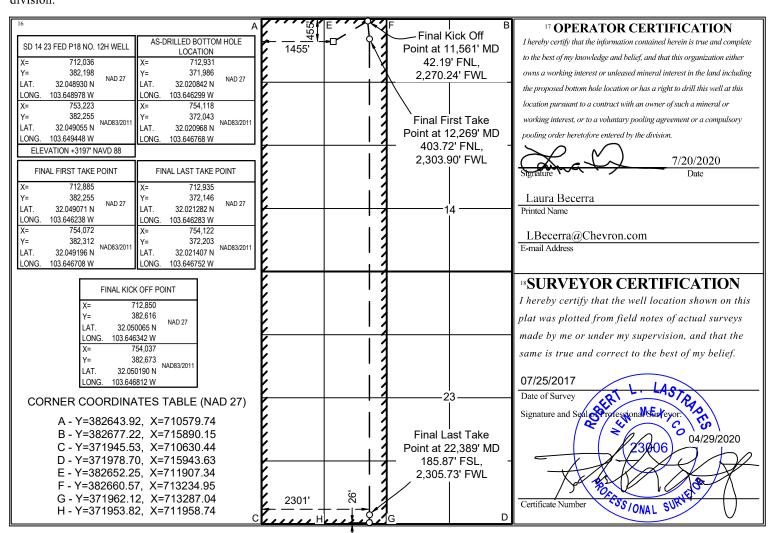
SOUTH

2301'

WEST

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.

¹⁵ Order No.



Intent As Drilled X		
API # 30-025-45821		
Operator Name:	Property Name:	Well Number
CHEVRON USA INC	SD 14 23 FED P18	12H

Kick Off Point (KOP)

UL C	Section 14	Township 26S	Range 32E	Lot	Feet 42	From N/S FNL	Feet 2,270	From E/W FWL	County LEA
	Latitude 32.050190					312			NAD 83/86

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	14	26S	32E		404	FNL	2,304	FWL	LEA
Latitu	Latitude						NAD		
32.0	32.049196					708	NAD 83/86		

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County	
N	23	26S	32E		186	FSL	2,306	FWL	LEA	
Latitude					Longitud	de		NAD		
32.0	32.021407					46752		NAD 86/86		

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-025-45820

Operator Name:	Property Name:	Well Number
CHEVRON USA INC	SD 14 23 FED P18	11H

KZ 06/29/2018

Rec'd 8/18/2020 - NMOCD

Schlumberger Drilling and Measurements

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20 Midland, Texas 79706

Phone : (432) 742-5400 (Main) Fax : (432) 742-5606 (Shared)

rax . (432) /42-3000 (Share

November 18, 2019

Chevron USA Incorporated 6301 Deauville Blvd. Midland, TX 79706

Re:

S14, T26S, R32E Lea, NM N 32.049055 W -103.649448 CLIENT: Chevron USA Incorporated WELL: SD 14 23 Fed P18 12H FIELD: Upper Wolfcamp

Schlumberger

RIG: Nabors X30 COUNTY: Lea

API NO: 30-025-45821 JOB NO: 19MLI0218

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

Name & Title of Surveyor	<u>Drainhole Number</u>	Surveyed Depths	<u>Dates Performed</u>	Type of Survey
Tom Brady	SD 14 23 Fed P18 12H	872.00 Ft to	September 2, 2019 to	TelePacer
FS	Original Hole	22501.00 Ft	September 22, 2019	SlimPulse

Reservoir Development

Schlumberger Drilling and Measurements

7220 W I-H 20

Midland, Texas 79706

Phone: (432) 742-5400 (Main) : (432) 742-5606 (Shared)

Well Reference:

S14, T26S, R32E Lea, NM N 32.049055 W -103.649448

I, Tom Brady certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of September 02, 2019 through September 22, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 872.00 feet to a depth of 22501.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Chevron USA Incorporated for the SD 14 23 Fed P18 12H Well (Original Hole) API No. 30-025-45821 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By Tom Brady

FS

Subscribed and Sworn to before me this

Schlumberger

My Commission, expires:

Notary Public

(signature)

(County State)

Jean-Paul Langlois Notary Public in and for STATE OF OKLAHOMA ommission #19005986 Expires: June 14, 2023

Schlumberger-Private

Schlumberger

Chevron SD 14 23 Fed P18 12H MWD to 22549ft Survey Geodetic Report



(Def Survey)

Report Date: Client: September 23, 2019 - 09:14 AM Field: Structure / Slot: NM Lea County (NAD 27) Chevron SD 14 23 FED Pad 18 / 12H Well: SD 14 23 Fed P18 12H SD 14 23 Fed P18 12H Borehole: UWI / API#: Survey Name:

Unknown / 30-025-45821 Chevron SD 14 23 Fed P18 12H MWD to 22549ft September 22, 2019 244.200 ° / 11657.850 ft / 6.723 / 0.959 Survey Date:

Tort / AHD / DDI / ERD Ratio:

NAD27 New Mexico State Plane, Eastern Zone, US Feet N 32° 2' 56.14789", W 103° 38' 56.32078" Coordinate Reference System:

Location Lat / Long: Location Grid N/E Y/X: CRS Grid Convergence Angle: N 382198.000 ftUS, E 712036.000 ftUS 0.3632 ° 0.99996059

Grid Scale Factor: Version / Patch: 2.10.782.0

Minimum Curvature / Lubinski 179.730 ° (Grid North) 0.000 ft, 0.000 ft RKB = 32.6ft Survey / DLS Computation: Vertical Section Azimuth: Vertical Section Origin: TVD Reference Datum: TVD Reference Elevation: Seabed / Ground Elevation: 3229 600 ft above 3197 000 ft above Magnetic Declination: Total Gravity Field Strength: 6.632 ° 998.4326mgn (9.80665 Based)

GARM 47678.168 nT

Gravity Model:
Total Magnetic Field Strength:
Magnetic Dip Angle:
Declination Date: 59.632 ° September 22, 2019 HDGM 2019 Grid North Magnetic Declination Model: North Reference: Grid Convergence Used: 0.3632°

Total Corr Mag North->Grid North: 6.2688 ° Local Coord Referenced To: Well Head

Comments	MD (ft)	inci (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longit (E/W
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	382198.00	712036.00	N 32 256.15 V	
Adjusted KB	33.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	382198.00	712036.00	N 32 256.15 N	
First 3rd Party Survey	199.70	1.80	45.39	199.67	-1.83	1.84	1.86	1.08	382199.84	712037.86	N 32 256.17 N	
	286.70	1.30	62.39	286.64	-3.24	3.26	3.71	0.77	382201.26	712039.71	N 32 256.18 N	
	374.70	1.00	52,39	374.62	-4.16	4.19	5,20	0.41	382202.19	712041.20	N 32 2 56.19 N	
	464.70	1.20	23.39	464.61	-5.50	5.53	6.20	0.65	382203.53	712042.20	N 32 256.20 V	
	556.70	1.40	62,39	556.59	-6.90	6.94	7.58	0.97	382204.94	712043.58	N 32 2 56,22 V	
	649.70	1.40	18.39	649.56	-8.50	8.54	8.94	1.13	382206.54	712044.94	N 32 2 56.23 N	
ast 3rd Party Survey	767.70	0.90	348.39	767.54	-10.77	10.82	9.21	0.65	382208.82	712045.21		N 103 38 5
irst SLB MWD Survey	872.00	0.68	29.85	871.83	-12.11	12.16	9.36	0.57	382210.16	712045.36	N 32 256.27 N	
	968.00	1.72	31.90	967.81	-13.82	13.87	10.40	1.08	382211.87	712046.40	N 32 2 56.28 \	
	1062.00	2.26	29,26	1061.75	-16.63	16.69	12.05	0.58	382214.69	712048.05	N 32 256,31 N	N 103 38 5
	1156.00	3.18	38.06	1155.64	-20.29	20.36	14.56	1.07	382218.36	712050.56	N 32 256.35 N	N 103 38 5
	1250.00	4.38	42.69	1249.44	-24.96	25.05	18.61	1.32	382223.05	712054.61	N 32 256.39 V	N 103 38 5
	1345.00	4.77	43.39	1344.13	-30.47	30.59	23.78	0.41	382228.58	712059.78	N 32 256.45 V	N 103 38 5
	1439.00	5.45	46.76	1437.76	-36.34	36.48	29.72	0.79	382234.48	712065.71	N 32 256.51 V	N 103 38 5
	1533.00	6.38	54.13	1531.26	-42.43	42.60	37.20	1.28	382240.60	712073.20	N 32 256.57 N	N 103 38 5
	1627.00	7.29	63.19	1624.59	-48.13	48.35	46.76	1.50	382246.35	712082.75	N 32 2 56.62 N	N 103 38 5
	1722.00	9.08	70.43	1718.62	-53.30	53.58	59.20	2.17	382251.58	712095.20	N 32 2 56.67 N	W 103 38 5
	1816.00	10.90	71,23	1811.19	-58,58	58.93	74,60	1.94	382256.93	712110,60	N 32 256,73 V	
	1911.00	11.31	70.26	1904.42	64.53	64.96	91.88	0.47	382262.96	712127.87	N 32 256.78 V	
	2005.00	12.55	71.43	1996.38	-70.81	71.33	110.24	1.34	382269.33	712146.23	N 32 2 56.85 N	
	2194.00	12.13	72.70	2181.02	-83.07	83.77	148.66	0.26	382281.77	712184.65	N 32 2 56.97 N	
	2289.00	12.64	67.61	2273.81	-89.91	90.70	167.80	1.27	382288.70	712203.79	N 32 2 57.03 N	
	2384.00	12.70	65.35	2366.50	-98.14	99.02	186.90	0.53	382297.01	712222.89	N 32 257.03 N	
	2478.00	12.40	66.00	2458.25	-106.46	107.43	205.51	0.35	382305.43	712241.50	N 32 257.12 N	
	2573.00	12.20	66,60	2551.07	-114.51	115.57	224,04	0.25	382313.56	712260.03	N 32 257.20 N	
	2667.00	12.79	65.45	2642.84	-122.69	123.83	242.62	0.68	382321.83	712278.61	N 32 257.36 V	
	2761.00	13.06	65.33	2734.46	-131.36	132.59	261.74	0.29	382330.58	712297.73	N 32 257.44 \	
	2855.00	12.44	64.68	2826.14	-140.03	141.35	280.54	0.68	382339.35	712316.53	N 32 257.53 \	
	2950.00	12.51	64.94	2918.90	-148.68	150.09	299.11	0.09	382348.08	712335.10	N 32 257.61 V	
	3044.00	12.10	66.01	3010.74	-156.91	158.41	317.34	0.50	382356.40	712353.32	N 32 257.70 N	
	3138.00	12.90	65.97	3102.51	-165.10	166.68	335.92	0.85	382364.68	712371.91	N 32 257.78 N	
	3231.00	13.01	66.22	3193.14	-173.46	175.13	354.98	0.13	382373.13	712390.97	N 32 257.86 V	
	3326.00	12.53	67.57	3285.79	-181.61	183.38	374.29	0.59	382381.37	712410,28	N 32 257.94 N	
	3515.00	11.12	67.73	3470.78	-196.17	198.11	410.11	0.75	382396.10	712446.09	N 32 258.08 N	W 103 38
	3609.00	12.48	64.08	3562.79	-203.96	205.98	427.64	1.65	382403.97	712463.62	N 32 258,16 N	W 103 38
	3797.00	10.73	62.66	3746.94	-220.72	222.90	461.45	0.94	382420.89	712497.44	N 32 258.32 V	W 103 38
	3892.00	11.71	60.60	3840.13	-229.44	231.69	477.71	1.11	382429.69	712513.69	N 32 258.41 V	W 103 38
	4080.00	13.90	68,22	4023,45	-247.01	249.44	515.31	1.47	382447.43	712551,29	N 32 258,58 \	W 103 38
	4175.00	13.11	69.69	4115.82	-254.89	257.42	536.01	0.91	382455.41	712571.99	N 32 258.66 N	N 103 38
	4269.00	12.71	72.14	4207.45	-261.67	264.29	555.85	0.72	382462.28	712591.83	N 32 258.73 \	W 103 38
	4362.00	12.22	75.33	4298.26	-267.21	269.92	575.11	0.91	382467.91	712611.08	N 32 258.78 \	W 103 38
	4515.00	10.78	77.40	4448.18	-274.29	277.14	604.74	0.98	382475.13	712640.71	N 32 258.85 \	
	4646.00	11.02	70.65	4576.82	-281.00	283.96	628.51	0.99	382481.95	712664.48	N 32 258.92 V	
	4740.00	12.88	65.70	4668.79	-288.20	291.25	646.54	2.26	382489.24	712682.51	N 32 258.99 V	
	4834.00	14.34	65.37	4760.14	297.27	300.41	666.67	1.56	382498.40	712702.64	N 32 259.08 V	
	4929.00	14.56	63.85	4852.14	307.33	310.58	688.08	0.46	382508.57	712724.05	N 32 259.18 V	
	5022.00	13.24	61.97	4942.41	317.40	320.74	707.98	1.50	382518.72	712743.95	N 32 2 59.10 N	
	5117.00	11.55	58.37	5035,20	327.41	330.84	725.68	1.96	382528.82	712743.95	N 32 2 59.38 N	
	5212.00	9.40	54.63	5128.61	336.83	340.32	740.10	2.37	382538.30	712776.07	N 32 259.36 N	
	5306.00	9.53	54.77	5221.33	-345.70	349.25	752.72	0.14	382547.24	712778.69	N 32 259.47 N	
	5400.00	9.53	54.77 57.71	5314.10	-345.70 -354.07	349.25 357.68	765.31	0.14	382555.66	712801.28	N 32 2 59.56 V	
				5407.11	-354.07 -360.49			1.96				
	5494.00	7.64	66.09			364.15	777.26		382562.14	712813.23	N 32 259.70 V	
	5585.00	6.78	71.05	5497.39	364.63	368.35	787.87	1.17	382566.33	712823.84	N 32 259.74 V	
	5772.00	4.67	67.46	5683.45	-371.05	374.85	805.34	1.14	382572.84	712841.31	N 32 259.81 V	
	5864.00	4.98	64.47	5775.12	-374.18	378.01	812.41	0.43	382575.99	712848.37	N 32 259.84 \	
	5958.00	4.24	67.24	5868.82	-377.25	381.11	819.29	0.82	382579.10	712855.26	N 32 259.87 N	
	6053.00	2.84	74.74	5963.63	-379.20	383.09	824.80	1.55	382581.07	712860.77	N 32 259.89 \	
	6147.00	2.26	66.50	6057.54	-380.53	384.44	828.75	0.73	382582.43	712864.71	N 32 259.90 N	
	6241.00	1.91	21.37	6151.48	-382.72	386.64	831.02	1.74	382584.62	712866.98	N 32 259.92 V	
	6334.00	2.21	353.32	6244.42	-385.94	389.87	831.38	1.12	382587.85	712867.34	N 32 259.95 \	
	6429.00	3.67	320.18	6339.30	-390.11	394.02	829.22	2.30	382592.00	712865.18	N 32 259.99 N	
	6523.00	0.91	52.30	6433.24	-392.88	396.79	827.88	4.06	382594.77	712863.84	N 32 3 0.02 N	
	6617.00	1,55	93.83	6527.22	393.25	397.16	829.74	1,13	382595.14	712865,70	N 32 3 0.03 V	W 103 38
	6711.00	1.35	97.59	6621.19	-393.00	396.93	832.10	0.24	382594.91	712868.07	N 32 3 0.02 V	
	6806.00	0.76	20.63	6716.17	-393.44	397.37	833.44	1.47	382595.35	712869.40	N 32 3 0.03 V	
	6900.00	0.78	5.74	6810.16	394.66	398.59	833.72	0.21	382596.57	712869.68	N 32 3 0.04 N	
	6995.00	0.84	357.94	6905.15	-396.00	399.93	833.76	0.13	382597.91	712869.72	N 32 3 0.05 V	
	7089.00	0.62	349.60	6999.15	397.19	401.12	833.64	0.13	382599.10	712869.61	N 32 3 0.06 N	
		0.62										
	7182.00		356.51	7092.14	-398.11	402.04	833.52	0.12	382600.03	712869.49	N 32 3 0.07 V	
	7276.00	0.51	326.75	7186.14	-398.90	402.83	833,27	0.28	382600.81	712869.23	N 32 3 0.08 \	
	7070 00											
	7370.00 7464.00	0.28 0.08	291.61 278.05	7280.14 7374.14	-399.33 -399.43	403.26 403.35	832.83 832.55	0.34 0.22	382601.24 382601.34	712868.79	N 32 3 0.09 N N 32 3 0.09 N	

Drilling Office 2.10.782.0

...SD 14 23 Fed P18 12H\SD 14 23 Fed P18 12H\Chevron SD 14 23 Fed P18 12H MWD to 22549ft

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude Longitude (N/S°'") (E/W°'")
	7558.00 7652.00	0.30 0.38	254.62 213.55	7468.14 7562.13	-399.37 -399.05	403.30 402.97	832.25 831.84	0.24 0.27	382601.28 382600.96	712868.21 712867.80	N 32 3 0.09 W 103 38 46.62 N 32 3 0.08 W 103 38 46.63
	7747.00	0.51	216.54	7657.13	-398.45	402.37	831.41	0.14	382600.35	712867.38	N 32 3 0.08 W 103 38 46.63
	7840.00 7934.00	0.63 0.85	220.05 222.69	7750.13 7844.12	-397.73 -396.82	401.65 400.74	830.83 830.03	0.13 0.24	382599.63 382598.72	712866.80 712865.99	N 32 3 0.07 W 103 38 46.64 N 32 3 0.06 W 103 38 46.65
	8029,00	1.00	223.93	7939.11	-395.71	399,62	828.98	0.16	382597.61	712864.94	N 32 3 0.05 W 103 38 46.66
	8123.00 8218.00	0.72 1.03	222.65 228.36	8033.10 8128.08	-394.69 -393.69	398.60 397.59	828.01 826.96	0.30 0.34	382596.58 382595.58	712863.97 712862.93	N 32 3 0.04 W 103 38 46.67 N 32 3 0.03 W 103 38 46.68
	8406.00	0.58	164.79	8316.07	-391.66	395.55	825.95	0.49	382593.54	712861.92	
	8500.00	0.62	76.72	8410.07	-391.31	395.21	826.57	0.89	382593.19	712862.54	
	8593.00 8687.00	0.73 0.86	82.09 99.25	8503.06 8597.05	-391.50 -391.47	395.41 395.38	827,65 828,94	0.14 0.29	382593.39 382593.36	712863,61 712864.90	N 32 3 0.01 W 103 38 46 68 N 32 3 0.01 W 103 38 46 66
	8781.00	0.89	356.49	8691.04	-392.08	395.99	829.59	1.45	382593.97	712865.55	N 32 3 0.01 W 103 38 46.65
	8876.00 8971.00	1.01 0.68	335.88 227.50	8786.03 8881.02	-393.58 -393.97	397.49 397.88	829.20 828.44	0.38 1.46	382595.48 382595.86	712865.17 712864.41	N 32 3 0.03 W 103 38 46.66 N 32 3 0.03 W 103 38 46.67
	9159.00	0.93	205.38	9069.01	-391.84	395.74	826.97	0.21	382593.73	712862.93	N 32 3 0.01 W 103 38 46.68
	9253.00 9348.00	1.34 1.52	195.54 195.00	9162.99 9257.96	-390.10 -387.81	393.99 391.71	826.35 825.72	0.48 0.19	382591.98 382589.69	712862.31 712861.69	N 32 259.99 W 103 38 46.69 N 32 259.97 W 103 38 46.70
	9537.00	1.23	187.16	9446.90	-383.38	387.27	824.82	0.18	382585.26	712860.79	
	9632.00 9727.00	1.02 0.45	215.89	9541.89 9636.88	-381.69 -380.64	385.58	824.20 823.65	0.63 0.69	382583.56		N 32 2 59.91 W 103 38 46.72
	9820.00	0.43	188.63 120.75	9729.88	-380.10	384.52 383.98	823.89	0.53	382582.51 382581.97	712859.61 712859.86	N 32 259.90 W 103 38 46.72 N 32 259.90 W 103 38 46.72
	9914.00	0.56	84.75	9823.87	-379.95	383.85	824.65	0.35	382581.83	712860.62	N 32 2 59.89 W 103 38 46.71
	10009.00 10103.00	1.18 1.19	348.16 355.36	9918.86 10012.84	-380.95 -382.88	384.85 386.77	824.91 824.64	1.43 0.16	382582.83 382584.75	712860.88 712860.60	N 32 259.90 W 103 38 46.71 N 32 259.92 W 103 38 46.71
	10292.00	1,12	339.70	10201.81	-386.57	390.45	823.84	0.17	382588.44	712859.80	N 32 2 59.96 W 103 38 46.72
	10481.00 10574.00	1.43 1.65	0.59 340.22	10390.76 10483.73	-390.66 -393.08	394.54 396.96	823.22 822.78	0.29 0.63	382592.53 382594.95	712859.19 712858.74	N 32 3 0.00 W 103 38 46.73 N 32 3 0.02 W 103 38 46.73
	10668.00	2.54	350.33	10577.66	-396.41	400.29	821.97	1.02	382598.28	712857.94	N 32 3 0.06 W 103 38 46.74
	10762.00	2.08	344.47	10671.59	-400.11	403.99	821.16	0.55	382601.97	712857.13	N 32 3 0.09 W 103 38 46.75
	10856.00 10951.00	2.20 0.34	325.76 355.93	10765.52 10860.50	-403.26 -405.05	407.12 408.91	819.69 818.65	0.75 2.01	382605.11 382606.90	712855.66 712854.61	N 32 3 0.13 W 103 38 46 77 N 32 3 0.14 W 103 38 46 78
	11044.00	0.28	337.48	10953.49	-405.54	409.40	818.54	0.12	382607.38	712854.51	N 32 3 0.15 W 103 38 46.78
	11232.00 11311.00	1.01 1.65	334.95 339.86	11141.48 11220.46	-407.47 -409.17	411.32 413.02	817.66 816.98	0.39 0.82	382609.31 382611.00	712853.63 712852.94	N 32 3 0.17 W 103 38 46 79 N 32 3 0.18 W 103 38 46 80
	11371.00	1.65	339.86	11280.44	410.79	414.64	816.38	0.00	382612.63	712852.35	N 32 3 0.20 W 103 38 46.81
	11432.00	2.07	328.14	11341.40	-4 12.56	416.40	815.50	0.93	382614.39	712851.46	
	11504.00 11526.00	2.00 1.70	330.84 327.54	11413.36 11435.35	-414.76 -415.38	418.61 419.22	814.20 813.84	0.16 1.45	382616.59 382617.20	712850.16 712849.80	N 32 3 0.24 W 103 38 46.83 N 32 3 0.25 W 103 38 46.83
	11621.00	5.95	162.62	11530.21	-411.86	415.70	814.55	8.00	382613.68	712850.52	
	11716.00 11811.00	15.32 24.46	166.03 166.95	11623,47 11712.71	-394.92 -363.48	398.79 367.38	819.06 826.55	9.88 9.63	382596.77 382565.36	712855,03 712862,51	N 32 3 0.04 W 103 38 46 78 N 32 2 59 73 W 103 38 46 69
Heel HL Cross	11826.00	25.73	167.93	11726.30	-357.26	361.17	827.93	8.91	382559.16	712863.90	N 32 2 59.67 W 103 38 46.68
	11906.00	32.59 40.51	171.93 179.67	11796.12	-318.87 -262.55	322.81 266.50	834.60 838.37	8.91 9.63	382520.79 382464.49	712870.56 712874.34	N 32 259.29 W 103 38 46.60 N 32 258.73 W 103 38 46.56
	12001.00 12096.00	48.65	178.19	11872.42 11940.03	-195.93	199.89	839.68	9.63 8.64	382397.89	712875.64	N 32 2 58.07 W 103 38 46.55
	12191.00	56.01	177.16	11998.05	-120.84	124.81	842.76	7.79	382322.81	712878.73	N 32 2 57.33 W 103 38 46.52
	12286.00 12381.00	66.87 78.46	173.03 174.58	12043.41 12071.67	-37.84 52.21	41.84 -48.16	850.04 859.77	12.05 12.30	382239.84 382149.84	712886.00 712895.73	N 32 2 56 51 W 103 38 46 44 N 32 2 55 62 W 103 38 46 34
	12476.00	82.16	177.93	12087.66	145.65	-141.57	865.87	5.22	382056.43	712901.83	N 32 2 54.69 W 103 38 46.27
	12528.00 12571.00	87.04 87.73	177.32 177.70	12092.55 12094.52	197.37 240.29	-193.28 -236.20	868.01 869.88	9.46 1.83	382004.72 381961.81	712903.98 712905.84	N 32 2 54 18 W 103 38 46 25 N 32 2 53 76 W 103 38 46 23
	12666.00	90.83	177.86	12095.71	335.22	-331.11	873.56	3.27	381866.91	712909.52	N 32 2 52.82 W 103 38 46.20
	12761.00	89.24 89.04	179.51 180.14	12095.65	430.20 449.20	-426.08	875.74 875.80	2.41 3.48	381771.94 381752.94	712911.70 712911.76	N 32 251.88 W 103 38 46.18
	12780.00 12874.00	90.34	179.21	12095.94 12096.45	543.19	-445.07 -539.07	876.33	1.70	381658.95	712911.76	N 32 251 69 W 103 38 46 18 N 32 250 76 W 103 38 46 18
	12968.00	90.17	180.30	12096.03	637.19	-633.06	876.73	1.17	381564.96	712912.70	
	13156.00 13251.00	88.83 88.90	179.28 179.74	12097.67 12099.55	825.18 920.16	-821.05 -916.03	877.42 878.23	0.90 0.49	381376.98 381282.01	712913.38 712914.20	N 32 247 97 W 103 38 46 19 N 32 247 03 W 103 38 46 19
	13345.00	88.80	179.20	12101.44	1014.14	-1010.00	879.10	0.58	381188.04	712915.07	N 32 246.10 W 103 38 46.18
	13439.00 13533.00	88.93 88.90	179.76 179.01	12103,30 12105.08	1108.12 1202.10	-1103.98 -1197.96	879,96 880,96	0.61 0.80	381094.06 381000.09	712915.92 712916.93	N 32 245 17 W 103 38 46 18 N 32 244 24 W 103 38 46 17
	13627.00	88.80	179.34	12106.96	1296.07	-1291.93	882.32	0.37	380906.12	712918.28	N 32 243.31 W 103 38 46.17
	13721.00	89.14	179.81	12108.65	1390.06	-1385.91	883.01	0.62	380812.15	712918.98	
	13815.00 13909.00	88.66 88.83	179.73 179.12	12110.46 12112.52	1484.04 1578.01	-1479.89 -1573.87	883.39 884.33	0.52 0.67	380718.17 380624.20		N 32 241.45 W 103.38.46.17 N 32 240.52 W 103.38.46.16
	14004.00	89.45	178.97	12113.94	1673.00	-1668.84	885.92	0.67	380529.23		N 32 2 39.58 W 103 38 46.15
	14098.00 14192.00	89.86 89.66	179.30 179.21	12114.51 12114.90	1766.99 1860.99	-1762.83 -1856.82	887.34 888.56	0.56 0.23	380435.25 380341.26	712923.30 712924.52	N 32 238.65 W 103 38 46.14 N 32 237.72 W 103 38 46.13
	14286.00	89.55	178.86	12115.55	1954.98	-1950.80	890.14	0.39	380247.28	712926.11	N 32 2 36.79 W 103 38 46.12
	14380.00 14475.00	89.93 89.93	179.56 179.26	12115.98 12116.09	2048.97 2143.97	-2044.79 -2139.79	891.44 892.42	0.85 0.32	380153,29 380058,30		N 32 235.86 W 103.38.46.12 N 32 234.92 W 103.38.46.11
	14569.00	89.86	179.06	12116,27	2237.96	-2233.78	893.79	0.23	379964.32	712929.76	N 32 233.99 W 103 38 46.10
	14663.00 14757.00	90.00 89.86	181.31 181.53	12116.38 12116.50	2331.96 2425.91	-2327.77 -2421.74	893.49 891.16	2.40 0.28	379870.33 379776.36		N 32 233.06 W 103 38 46.11 N 32 232.13 W 103 38 46.15
	14851.00	90.07	181.40	12116.55	2519.87	-2515.71	888.76	0.26	379682.39		N 32 2 31 20 W 103 38 46 18
	14946.00	90.07	180.65	12116.44	2614.85	-2610.69	887.06	0.79	379587.41		N 32 2 30.26 W 103 38 46.21
	15040.00 15134.00	90.41 90.48	181.60 181.49	12116.04 12115.31	2708.82 2802.77	-2704.67 -2798.64	885,21 882,68	1.07 0.14	379493.44 379399.48		N 32 2 29 33 W 103 38 46 24 N 32 2 28 40 W 103 38 46 27
	15228.00	90.45	181.02	12114.55	2896.73	-2892.61	880.62	0.50	379305.51	712916.58	N 32 2 27.47 W 103 38 46.30
	15322.00 15417.00	89.93 90.10	181.10 181.07	12114.24 12114.21	2990.70 3085.68	-2986.59 -3081.58	878.88 877.08	0.56 0.18	379211.53 379116.55		N 32 2 26.54 W 103 38 46.33 N 32 2 25.60 W 103 38 46.36
	15511.00	89.72	181.07	12114.36	3179.65	-3175.56	875.33	0.40	379022.57	712911.29	N 32 2 24.67 W 103 38 46.39
	15605.00	89.62	180.97	12114.90	3273.63	-3269.54	873.65 871.70	0.15	378928.59		N 32 2 23 74 W 103 38 46 41 N 32 2 22 80 W 103 38 46 44
	15700.00 15888.00	90.03 90.24	181.28 180.85	12115.19 12114.75	3368.60 3556.54	-3364.53 -3552.49	871.79 868.29	0.54 0.25	378833.61 378645.66		N 32 2 22 80 W 103 38 46 44 N 32 2 20 94 W 103 38 46 50
	15982.00	90.41	181.43	12114.22	3650.51	-3646.47	866.42	0.64	378551.68	712902.39	N 32 2 20.01 W 103 38 46.52
	16076.00 16171.00	90.14 90.10	180.98 181.47	12113.77 12113.57	3744.48 3839.45	-3740.45 -3835.43	864.45 862.42	0.56 0.52	378457.71 378362.73		N 32 2 19 08 W 103 38 46 55 N 32 2 18 14 W 103 38 46 58
	16265.00	90.31	180.80	12113.23	3933.42	-3929.41	860.55	0.75	378268.76	712896.52	N 32 2 17.21 W 103 38 46.61
	16360.00	90.31 90.48	181.63	12112.72	4028.38	-4024.38	858.54 855.07	0.87	378173.78		N 32 2 16 27 W 103 38 46 64
	16455.00 16645.00	90.48 89.90	181.47 179.66	12112.06 12111.43	4123.33 4313.30	-4119.35 -4309.33	855.97 854.10	0.25 1.00	378078.82 377888.85	712891.94 712890.06	N 32 2 15 33 W 103 38 46 68 N 32 2 13 45 W 103 38 46 72
	16835.00	89.90	178.99	12111.76	4503.30	-4499.31	856.34	0.35	377698.87	712892.30	N 32 211.57 W 103 38 46.70
		90.14	179.56	12111.73	4598.30	-4594.31	857.54	0.65	377603.89		N 32 210.63 W 103 38 46.70
	16930.00 17024.00			12111.59	4692.29	-4688.30	858.34	0.16	377509 89	712894 31	N 32 2 9.70 W 103 38 46 70
	17024.00 17213.00	90.03 89.18	179.46 178.85	12111.59 12112.89	4692.29 4881.28	-4688.30 -4877.27	858.34 861.13	0.16 0.55	377509.89 377320.93	712897.09	N 32 2 9.70 W 103 38 46.70 N 32 2 7.83 W 103 38 46.68
	17024.00 17213.00 17308.00	90.03 89.18 89.52	179.46 178.85 179.47	12112.89 12113.97	4881.28 4976.27	-4877.27 -4972.26	861.13 862.52	0.55 0.74	377320.93 377225.95	712897.09 712898.49	N 32 2 7.83 W 103 38 46.68 N 32 2 6.89 W 103 38 46.67
	17024.00 17213.00	90.03 89.18	179.46 178.85	12112.89	4881.28	-4877.27	861.13	0.55	377320.93	712897.09 712898.49 712899.94	N 32 2 7.83 W 103 38 46.68

Comments	MD	Incl	Azim Grid	TVD	VSEC	NS	EW	DLS	Northing	Easting	Latitude	Longitude
-	(ft) 17876.00	(°) 89.55	(°) 179.65	(ft) 12119.04	(ft) 5544.23	-5540.20	(ft) 868.18	(°/100ft) 0.54	(ftUS) 376658.03	(ftUS) 712904.14	(N/S ° ' ") N 32 2 1.27	(E/W°'")
	17971.00	88.73	178.75	12120.47	5639.22	-5635.18	869.50	1.28	376563.05	712904.14	N 32 2 1.27 N 32 2 0.33	
	18065.00	88.42	178.61	12122.81	5733.17	-5729.13	871.67	0.36	376469.11		N 32 1 59.40	
	18160.00	89.76	178.62	12124.31	5828.14	-5824.09	873.96	1.41	376374.16		N 32 1 58.46	
	18254.00	89.59	178.15	12124.85	5922.11	-5918.05	876.61	0.53	376280.20		N 32 157.53	
	18349.00	89.17	178.03	12125.88	6017.07	-6012.99	879.78	0.46	376185.26		N 32 156,59	
	18443.00	89.69	178.71	12126.81	6111.03	-6106.94	882.45	0.91	376091.31		N 32 155.66	
	18538.00	90.07	178.62	12127.01	6206.02	-6201.92	884.67	0.41	375996.34		N 32 154.72	
	18633.00	90.24	179.40	12126.75	6301.01	-6296.90	886.31	0.84	375901.36		N 32 153.78	
	18728.00	90.48	179.48	12126.16	6396.01	-6391.90	887.24	0.27	375806.37		N 32 152.84	
	18822.00	90,38	179,76	12125,45	6490,00	-6485,89	887.86	0.32	375712.38		N 32 151.91	
	19012.00	90.41	178.94	12124.14	6679.99	-6675.87	890.02	0.43	375522.40		N 32 150.03	
	19106.00	90.31	179.20	12123,55	6773,98	-6769.86	891.54	0.30	375428.42		N 32 149.10	
	19201.00	90.41	179.61	12122.95	6868.98	-6864.85	892.53	0.44	375333.43		N 32 1 48.16	
	19296.00	89.00	179.07	12123.44	6963.98	-6959.84	893.62	1.59	375238.45		N 32 147.22	
	19391.00	89.14	179.04	12124.98	7058.96	-7054.82	895.19	0.15	375143.48		N 32 146.28	
	19485.00	89.35	179.28	12126.22	7152.94	-7148.80	896.57	0.34	375049.50		N 32 145.35	
	19580.00	89.90	179.52	12126.84	7247.94	-7243.79	897.56	0.63	374954.51		N 32 144.41	
	19675.00	89.21	179.54	12127.58	7342.93	-7338.78	898.34	0.73	374859.52		N 32 143.47	
	19865.00	89.83	180.08	12129.17	7532.93	-7528.77	898.97	0.43	374669.54		N 32 141.59	
	19960.00	89.76	179.59	12129.51	7627.93	-7623.77	899.24	0.52	374574.54		N 32 140.65	
	20149.00	89.45	179.25	12130.82	7816.92	-7812.76	901.16	0.24	374385.57		N 32 138.78	
	20243.00	89.31	179.28	12131.83	7910.91	-7906.74	902.36	0.15	374291.58		N 32 137.85	
	20338.00	89.42	179.20	12132.89	8005.90	-8001.73	903.62	0.14	374196.60		N 32 1 36.91	
	20433.00	89.24	179.38	12134.00	8100.89	-8096.72	904.80	0.27	374101.62		N 32 135.97	
	20622,00	89.42	179,32	12136,21	8289.87	-8285,69	906.94	0.10	373912,65	712942,91	N 32 134,10	W 103 38 46 40
	20716.00	89.38	178.93	12137.19	8383.86	-8379.67	908.38	0.42	373818.67	712944.34	N 32 1 33.17	W 103 38 46.39
	20811.00	89,28	178.94	12138.30	8478.85	-8474.65	910.15	0.11	373723.70	712946.11	N 32 1 32.23	W 103 38 46.37
	20905.00	89.79	179.45	12139.07	8572.84	-8568.64	911.47	0.77	373629.72	712947.43	N 32 131.30	W 103 38 46.36
	21000.00	89.45	179.27	12139.70	8667.83	-8663.63	912.53	0.40	373534.73	712948.49	N 32 1 30.36	W 103 38 46.36
	21095.00	89.48	179.05	12140.58	8762.83	-8758.62	913.92	0.23	373439.75	712949.88	N 32 1 29.42	W 103 38 46.35
	21190.00	89.28	178.92	12141.61	8857.81	-8853.60	915.60	0.25	373344.77	712951.56	N 32 1 28.48	W 103 38 46.34
	21285.00	89.38	179,26	12142.72	8952.80	-8948.58	917.11	0.37	373249.79	712953.07	N 32 127.54	W 103 38 46.33
	21380.00	89.38	178.85	12143.75	9047.79	-9043.56	918.68	0.43	373154.82	712954.64	N 32 1 26.60	W 103 38 46.32
	21474.00	89.35	179.79	12144.79	9141.78	-9137.55	919.79	1.00	373060.83	712955.76	N 32 1 25.67	W 103 38 46.31
	21569.00	89.31	181.36	12145.90	9236.76	-9232.53	918.84	1.65	372965.85	712954.80	N 32 124.73	W 103 38 46.33
	21663.00	89.38	181.17	12146.98	9330.72	-9326.50	916.76	0.22	372871.88	712952.73	N 32 1 23.80	W 103 38 46.36
	21758.00	89.59	181.83	12147.83	9425.67	-9421.46	914.28	0.73	372776.93	712950.24	N 32 1 22.86	W 103 38 46.40
	21853.00	89.93	181.08	12148.23	9520.62	-9516.43	911.87	0.87	372681.96		N 32 121.92	
	21947.00	89.45	181.48	12148.74	9614.59	-9610.41	909.77	0.66	372587.99		N 32 1 20.99	
	22041.00	89,28	181,10	12149.78	9708.55	-9704.38	907.65	0.44	372494.02		N 32 1 20.06	
	22135.00	89.83	181.47	12150.51	9802.51	- 9798.35	905.54	0.71	372400.06		N 32 1 19.13	
	22230.00	90,52	181.57	12150,22	9897.46	-9893.32	903.02	0.73	372305.09		N 32 118.19	
	22324.00	90.38	181.35	12149.48	9991.42	-9987.28	900.63	0.28	372211.13		N 32 117.26	
	22418.00	90.45	180.99	12148.80	10085.38	-10081.26	898.71	0.39	372117.16		N 32 116.33	
Toe HL Cross	22474.00	90.45	181.43	12148.36	10141.36	-10137.25	897.53	0.78	372061.17		N 32 1 15.78	
Last SLB MWD Survey	22501.00	90.45	181.64	12148.15	10168.35	-10164.24	896.80	0.78	372034.19		N 32 1 15.51	
Projection to Bit	22549.00	90.45	181.64	12147.77	10216.32	-10212.21	895.43	0.00	371986.21	712931.39	N 32 115.04	W 103 38 46.67

Survey Type:

Def Survey

Survey Error Model: Survey Program:

ISCWSA Rev 3 *** 3-D 97 071% Confidence 3 0000 sigma

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Holle Size Casi (in)	ng Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	32.600	1/98.425	30.000	30.000	A001Mb_MWD-Depth Only	SD 14 23 Fed P18 12H / Chevron SD 14 23 Fed P18 12H MWD to
	1	32.600	32.600	Act Stns	30.000	30.000	A001Mb_MWD-Depth Only	SD 14 23 Fed P18 12H / Chevron SD 14 23 Fed P18 12H MWD to
	1	32.600	872.000	Act Stns	30.000	30.000	A001Mb_MWD	SD 14 23 Fed P18 12H / Chevron SD 14 23 Fed P18 12H MWD to
	1	872.000	22549.000	Act Stns	30.000	30.000	B001Mb_MWD+HRGM	SD 14 23 Fed P18 12H / Chevron SD 14 23 Fed P18 12H MWD to

<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410

Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

Dedicated Acres

640

13 Joint or Infill

Infill

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

X AMENDED REPORT

"As-Drilled"

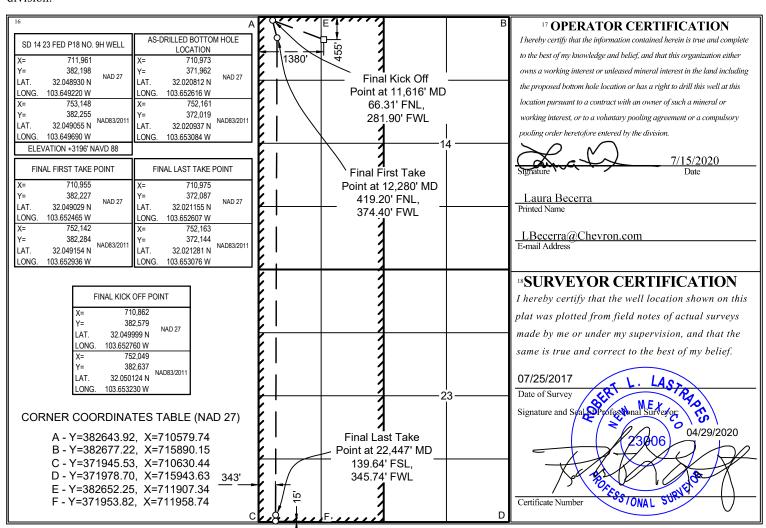
WELL LOCATION AND ACREAGE DEDICATION PLAT

	¹ API Num	ıber	² Pool C	ode			³ Pool Na:	me		1/-		
	30-025-4	15867	980	65		WC-025 (G-08 S2632051	N; UPPEF	R WOLFO	CAMP 12		
⁴ Proper	ty Code			⁵ P	roperty Name			⁶ Well Number				
325	5387		SD 14 23 FED P18 9H									
⁷ OGR	ID No.				⁹ Elevation							
43:	4323 CHEVRON U.S.A. INC.								3196'			
				10 Sur	face Locat	ion						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/	West line	County		
C	14	26 SOUTH	5 SOUTH 32 EAST, N.M.P.M. 455' NORTH 1380' V					WE	EST	LEA		
			11 Bottom H		SL							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/	West line	County		
M	23	26 SOUTH	SOUTH 32 EAST, N.M.P.M. 15' SOUTH 343'				WE	EST	LEA			

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.

¹⁵ Order No.

¹⁴ Consolidation Code



t by OCD: 6/14/202	3 3:48:3	02 PM									Pag
	As Drill	ed X				Rec'o	d 8/12/202	1 - 02	OMN	CD	
30-025-458	67										
Operator Name:	_				Pro	perty Name	:				Well Number
CHEVRON	USA	INC			SD	14 23 FE	D P18				9H
Kick Off Point (KO	P)										
	wnship 26S	Range 32E	Lot	Feet 66		From N/S FNL	Feet 282		n E/W VL	County	EA
Latitude	203	32⊑		Longitu	ıde	FINL	202	[/VL	NAD	EA
32.050124	103.6	3532	230				NAD 8	3/86			
First Take Point (F		Davies -	1	Fact		5	T	T	- F /\ \	Country	
	wnship 26S	Range 32E	Lot		Feet From N/S Feet From E/W County 419 FNL 374 FWL L						A
Latitude 32.049154				_	Longitude 103.652936						3/86
32.049134				103.0	103.032930						3/00
Last Take Point (L	TP)										
	wnship 26S	Range 32E	Lot	Feet 140		m N/S Feet	From FW		Count	ty LEA	
Latitude		- 022		Longitu	ıde		710 1 11		NAD		
32.021281				103.6	3530	076			NA	0 86/86	
Is this well the def	fining w	ell for the	e Horiz	zontal Sp	oacin _,	g Unit? [NO				
Is this well an infil	l well?		YES]							
If infill is yes pleas Spacing Unit.	se provid	de API if a	availab	le, Opei	rator	Name and v	well numbe	r for I	Definir	ng well fo	r Horizontal
30-025-45820)										
Operator Name:					Pro	perty Name	:				Well Number
CHEVRON US	SA INC	;			SD 14 23 FED P18 11H						11H

KZ 06/29/2018

Rec'd 8/12/2020 - NMOCD

Page 45 of 90

Schlumberger

Schlumberger Drilling and Measurements

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706 Phone: (432) 742-5400 (Main)

: (432) 742-5606 (Shared)

November 25, 2019

Chevron USA Incorporated 6301 Deauville Blvd Midland, TX 79706

S14, T26S, R32E Lea, NM

N 32.049055 W -103.64969

Re:

Chevron USA Incorporated CLIENT:

WELL: SD 14 23 Fed P18 9H FIELD: Upper Wolcamp

RIG: Nabors X30

COUNTY: Lea

API NO: 30-025-45867 JOB NO: 19MLI0077

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

Name & Title of Surveyor	<u>Drainhole Number</u>	Surveyed Depths	<u>Dates Performed</u>	Type of Survey
Tom Brady	SD 14 23 Fed P18 9H	879.00 Ft to	October 29, 2019 to	TelePacer
FE	Original Hole	22510.00 Ft	November 11, 2019	SlimPulse

Received by OCD: 6/14/2023 3:48:52 PM

Rec'd 8/12/2020 - NMOCD

Schlumberger Page 46 of 90

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone : (432) 742-5400 (Main) Fax : (432) 742-5606 (Shared)

Well Reference:

S14, T26S, R32E Lea, NM N 32.049055 W -103.64969

I, Tom Brady certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 29, 2019 through November 11, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 879.00 feet to a depth of 22510.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Chevron USA Incorporated for the SD 14 23 Fed P18 9H Well (Original Hole) API No. 30-025-45867 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By Tom Brady

Iom Brady

Subscribed and Sworn to before me this

05

day of November

(month)

019 (vr)

My Commission expires:

81.11000

Notary Public

100

(signature)

(County State)

Jean-Paul Langlois
Notary Public in and for
STATE OF OKLAHOMA
Commission #19005986
Expires: June 14, 2023

Schlumberger-Private

Schlumberger



Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft Survey Report

(Def Survey)

Report Date: Client: Field: Structure / Slot: Well: Borehole: UWI / API#:

Unknown / 30-025-45867 Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft Survey Name: Survey Date: Tort / AHD / DDI / ERD Ratio: Coordinate Reference System: November 11, 2019

Location Lat / Long: Location Grid N/E Y/X:

CRS Grid Convergence Angle: Grid Scale Factor: Version / Patch:

November 13, 2019 - 05:50 AM Chevron NM Lea County (NAD 27) Chevron SD 14 23 FED Pad 18 / 9H SD 14 23 Fed P18 9H SD 14 23 Fed P18 9H

325.107 ° / 11879.019 ft / 6.857 / 0.979
NAD27 New Mexico State Plane, Eastern Zone, US Feet

N 32° 2' 56 15259", W 103° 38' 57 19216" N 382198 000 ftUS, E 711961 000 ftUS

0.3630° 0.99996055 2.10.782.0

Minimum Curvature / Lubinski 179.730 ° (Grid North) Survey / DLS Computation: Vertical Section Azimuth: Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB = 32.6ft TVD Reference Elevation: 3228,600 ft above MSL Seabed / Ground Elevation: 3196,000 ft above MSL 6.618 ° 998.4327mgn (9.80665 Based) Magnetic Declination: Total Gravity Field Strength:

Gravity Model: GARM Total Magnetic Field Strength: Magnetic Dip Angle: 47663.386 nT 59.626 °

November 11, 2019 HDGM 2019 Declination Date: Magnetic Declination Model: North Reference: Grid North Grid Convergence Used: 0.3630 Total Corr Mag North->Grid North: 6.2549 Local Coord Referenced To: Well Head

Comments	MD (ft)	inci (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	OM
Adjusted KB	33.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00	0.00	270.38M
First 3rd Party Survey	201.90 287.90	0.50 0.60	270.38 178.38	201.90 287.90	-0.01 0.44	0.00 -0.44	-0.74 -1.10	0.74 1.19	270.38 248.07	0.30 0.92	178.38M 161.38M
	375.90	0.50	161,38	375.89	1,26	-1.27	-0.96	1,59	217.26	0.22	212,38M
	466.90	0.50	212.38	466.89	1.97	-1.98	-1.05	2.24	207.94	0.47	296.38M
	558.90	0.30	296.38	558.89	2.20	-2.21	-1.48	2.66	213.81	0.60	121.38M
Look 2nd Donky Commen	651.90 761.90	0.50 0.50	121.38 39.38	651.89 761.88	2.31 2.19	-2.31 -2.19	-1.35 -0.64	2.68 2.28	210.30 196.22	0.86 0.60	39.38M 141.06M
Last 3rd Party Survey First SLB MWD Survey	879.00	0.50	141.06	878.98	1.94	-2.19 -1.94	-0.20	2.26 1.95	185.83	0.48	268.16M
THOUGED MITTER CUITOR	973.00	1.56	268.16	972.97	2.09	-2.10	-1.38	2.51	213.43	1.78	278.98M
	1067.00	3.59	278.98	1066.87	1.65	-1.68	-5.57	5.82	253.23	2.21	284.59M
	1161.00	5.05	284.59	1160.60	0.12	-0.18	-12.48	12.48	269.19	1.62	282.95M
	1255.00	6.23	282.95	1254.14	-2.11	2.01	-21.46	21.55	275.35	1.27	288.81M
	1350.00 1444.00	7.51 9.02	288.81 297.67	1348.46 1441.49	-5.32 -10.78	5.17 10.57	-32.36 -44.70	32.77 45.93	279.07 283.30	1.53 2.10	297.67M 8.88R
	1539.00	10.45	298.90	1535.12	-18.47	18.19	-58.84	61.59	287.18	1.52	27.06L
	1633.00	11.50	296,24	1627.40	-26.81	26.45	-74.71	79.25	289,50	1.24	16.76R
	1727.00	11.58	296.36	1719.50	-35.22	34.79	-91.56	97.95	290.80	0.09	122.26R
	1821.00	11.51	296.92	1811.59	-43.73	43.22	-108.38	116.68	291.74	0.14	137.97L
	1916.00 2010.00	11.39 11.59	296.37 296.24	1904.70 1996.82	-52.27 -60.64	51.68 59.98	-125.24 -142.02	135.48 154.17	292.42 292.89	0.17 0.21	7.44L 90R
	2105.00	11.59	296.24 296.52	2089.88	-60.64 -69.21	68.46	159.12	173.22	292.89	0.21	160,2L
	2199.00	11.54	296.43	2181.97	-77.69	76.86	175.99	192.04	293.59	0.06	167.85R
	2293,00	11.18	296.83	2274.13	-86.06	85.16	-192,54	210,53	293,86	0.39	73,27L
	2388.00	11.45	292.77	2367.29	-93.95	92.96	-209.45	229.16	293.93	0.89	60.9L
	2482.00	12.54	284.72	2459.24	-100.24	99.17	-227.93	248.57	293.51	2.12	48.36L
	2577.00 2671.00	13.03 12.73	282.33 282.61	2551.89 2643.52	-105.24 -109.86	104.07 108.60	-248.37 -268.82	269.29 289.93	292.74 292.00	0.76 0.33	168.38R 45.09R
	2765,00	12.73	283.06	2643.52 2735.19	114.58	113,22	289.10	289.93 310.48	292.00	0.33 0.15	45.09R 157,29R
	2954.00	11.78	285.23	2919.85	-124.57	123.03	328.16	350.46	290.55	0.61	176.15L
	3143.00	10.73	284.85	3105.21	-134.32	132.61	-363.78	387.19	290.03	0.56	177.18L
	3236.00	9.83	284.59	3196.72	-138.61	136.82	-379.83	403.72	289.81	0.97	3.77L
	3331.00	10.86	284.23	3290.17	-142.93	141.07	-396.35	420.71	289.59	1.09	94.9R
	3426.00 3520.00	10.84 12.09	285.68 289.22	3383.47 3475.60	-147.63 -153.34	145.68 151.31	-413.63 -431.44	438.53 457.20	289.40 289.33	0.29 1.53	31.12R 170.76R
	3614.00	10.71	290.43	3567.74	159.71	157.60	-448.92	475.78	289.34	1.49	22.8L
	3708.00	11.39	288.99	3660.00	-165.86	163.67	-465.88	493.79	289.36	0.78	175.62L
	3802.00	11.04	288.85	3752.20	-171.87	169.60	-4 83.17	512.07	289.34	0.37	178.34R
	3897.00	10.30	288.97	3845.56	-177.65	175.30	-499.81	529.66	289.33	0.78	102.19R
	3991.00	10.28	289.50	3938.05	-183.26	180.83	-515.67	546.45	289.32	0.10 0.71	18.96R
	4085.00 4180.00	10.91 12.62	290.64 291.91	4030.44 4123.45	-189.27 -196.40	186.77 193.81	-531.90 -549.94	563.74 583.09	289.35 289.41	1.82	9.23R 178.61L
	4274.00	11.86	291.82	4215.31	-203.91	201.23	-568.44	603.00	289.49	0.81	63.44L
	4367.00	11.96	290.87	4306.31	-210.98	208.21	-586.31	622.19	289.55	0.24	5.79R
	4461.00	13.20	291.42	4398.05	-218.45	215.60	-605.40	642.65	289.60	1.33	175.99R
	4555.00	12.52	291.64	4489.69	-226.22	223.28	-624.87	663.56	289.66	0.73	171.6L
DMAG-Corrected Surveys	4600.00 4743.00	12.04 12.37	291,30 293.80	4533,66 4673.43	-229.77 -241.50	226.78 238.38	-633,77 -661.68	673,13 703.32	289,69 289,81	1.08 0.44	59.25R 78.7L
DIVIAG-Corrected Surveys	4837.00	12.37	293.60	4765.23	-241.50 -249.46	246.25	-680.29	703.32	289.90	0.44	27.36L
	4931.00	12.71	291.46	4856.98	-257.14	253.84	699.30	743.95	289.95	0.31	3.17L
	5025.00	13.12	291.36	4948.60	-264.90	261.51	-718.86	764.95	289.99	0.44	179.83L
	5120.00	12.41	291.35	5041.25	-272.63	269.16	-738.41	785.93	290.03	0.75	168.18L
	5308.00	11.09	289.91	5225.31	-286.32	282.67	-774.23	824.21	290.06	0.72	77.9R
	5402.00 5497.00	11.10 11.25	290,15 289,85	5317,55 5410.75	-292.59 -298.97	288,87 295,16	-791,22 -808,52	842,30 860,71	290,06 290,06	0.05 0.17	21,33L 144,88L
	5588.00	10.96	288.77	5500.04	-304.84	300.96	-825.06	878.24	290.06	0.17	28.84L
	5681.00	11.27	287.90	5591.30	-310.56	306.60	-842.08	896.16	290.01	0.38	18.78L
	5775.00	11.89	286.88	5683,39	-316.28	312,23	-860.09	915.01	289.95	0.69	8.59L
	5867.00	13.50	285.84	5773.13	-322.06	317.92	-879.49	935.19	289.87	1.77	40.73R
	5961.00	14.53	289.29	5864.34	-329.05	324.81	-901.17	957.92	289.82	1.41	14.43R
	6056.00 6150.00	15.14 14.94	289.89 291.87	5956.17 6046.95	-337.32 -346.11	332.96 341.65	-924.09 -946.88	982.25 1006.63	289.81 289.84	0.66 0.59	112.22R 0.99L
	6243.00	15.09	291.86	6136.77	-355.19	350.63	-969.24	1030.71	289.89	0.16	163.21R
	6337.00	14.04	293.17	6227.75	-364.34	359.67	991.08	1054.32	289.95	1.17	177.89L
	6431.00	11.86	292.78	6319.36	-372.65	367.90	-1010.47	1075.36	290.01	2,32	179,23R
	6526.00	9.51	292.97	6412.70	-379.57	374.74	-1026.70	1092.95	290.05	2.47	174.04R
	6620.00	7.55	294.53	6505.66	-385.23	380.34	-1039.47	1106.86	290.10	2.10	294.35M

...SD 14 23 Fed P18 9H\SD 14 23 Fed P18 9H\Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft 11/13/2019 5:53 AM Page 1 of 4 Drilling Office 2.10.782.0 Released to Imaging: 9/22/2023 10:08:47 AM

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8596.00 0.88 307.93 8480.56 -391.13 386.14 -1060.20 1 8690.00 0.77 294.40 8574.55 -391.84 386.84 -1061.35 1 8784.00 0.71 283.23 8668.55 -392.24 387.24 -1062.49 8879.00 0.98 263.72 8763.54 -392.29 387.28 -1063.87 1 8974.00 1.48 265.02 8858.51 -392.10 387.09 -1065.90 1 9068.00 1.73 263.25 8952.48 -391.84 386.81 -1066.52 1 9162.00 1.52 265.13 9046.44 -391.58 386.54 -1071.17 1 9256.00 1.85 269.48 9140.40 -391.48 386.42 -1073.93 1 9351.00 2.42 272.80 9235.33 -391.58 386.51 -1077.46 1 9446.00 2.86 279.33 930.23 386.99 -1081.81 1	128.33 290.01 129.65 290.03 130.85 290.02 132.17 290.00		322.08M 307.93M
8784,00 0.71 283,23 8668,55 -392,24 387,24 -1062,49 1 8879,00 0.98 263,72 8763,54 -992,29 387,28 -1063,87 1 8974,00 1.48 265,02 8858,51 -392,10 387,09 -606,90 1 9068,00 1.73 263,25 8852,48 -391,84 386,81 -1068,52 1 9162,00 1,52 265,13 9046,44 -391,58 386,54 -1071,17 1 9256,00 1,85 269,48 9140,40 -391,48 386,42 -1073,93 1 9351,00 2,42 272,80 9235,33 -391,58 386,51 -1077,46 1 9446,00 2,86 279,33 9330,23 -392,08 386,99 -1081,81 1 9540,00 3,25 286,19 9424,10 -993,23 388,11 -1096,68 1 9625,00 1,76 292,32 9612,91 -995,84 399,69 <t< td=""><td>130.85 290.02 132.17 290.00</td><td>1 0.37</td><td>294.4M</td></t<>	130.85 290.02 132.17 290.00	1 0.37	294.4M
8879.00 0.98 263.72 8763.54 -392.29 387.28 -1063.87 1 8974.00 1.48 265.02 8858.51 -392.10 387.09 -1068.92 1 9068.00 1.73 263.25 8952.48 -391.84 386.81 -1068.52 1 9162.00 1.52 265.13 9046.44 -391.58 386.54 -1071.17 1 9256.00 1.85 269.48 9140.40 -391.48 386.42 -1077.46 1 9446.00 2.86 279.33 9330.23 -391.58 386.51 -1077.46 1 9540.00 3.25 286.19 9424.10 -393.23 388.11 -1086.68 1 9635.00 2.47 288.33 9518.98 -394.64 389.51 -1091.21 1 9729.00 1.76 292.32 9612.91 -395.84 390.69 -1094.47 1 9823.00 1.04 348.63 9706.89 -397.24 392.08 <	132.17 290.00		283,23M 263,72M
9068.00 1.73 263.25 8952.48 -391.84 386.81 -1068.52 1 9162.00 1.52 265.13 9046.44 -391.58 386.54 -1071.17 1 9256.00 1.85 269.48 9140.40 -391.48 386.42 -1073.93 1 9351.00 2.42 272.80 9235.33 -391.58 386.51 -1077.46 1 9446.00 2.86 279.33 9330.23 -392.08 386.99 -1081.81 1 9540.00 3.25 286.19 9424.10 -393.23 388.11 -1086.68 1 9635.00 2.47 288.33 9518.98 -394.64 389.51 -1091.21 1 9729.00 1.76 292.32 9612.91 -395.84 399.69 -1094.47 1 9823.00 1.04 348.63 9708.99 -397.24 392.08 -1095.97 1 9917.00 0.63 19.83 9800.88 -398.56 393.40 -1095.97 1 10012.00 1.55 77.90 9895.86 -399.31 394.16 -1094.53 1 10106.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.07 394.93 -1091.79 1	134.01 289 96		265.02M
9162.00 1.52 265.13 9046.44 -391.58 386.54 -1071.17 1 9256.00 1.85 269.48 9140.40 -391.48 386.42 -1073.93 1 9351.00 2.42 272.80 9235.33 -391.58 386.51 -1077.46 1 9446.00 2.86 279.33 9330.23 -392.08 386.99 -1081.81 1 9540.00 3.25 286.19 9424.10 -393.23 388.11 -1086.68 1 9635.00 2.47 288.33 9518.98 -394.64 389.51 -1091.21 1 9729.00 1.76 292.32 9612.91 -395.84 390.69 -1094.47 1 9823.00 1.04 348.63 9706.89 -397.24 392.08 -1095.97 1 9917.00 0.63 19.83 9800.88 -398.66 393.40 -1095.97 1 101012.00 1.55 77.90 9895.86 -399.31 394.16 -1094.53 1 10106.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.17 394.93 -1091.79 1			263.25M
9256.00 1.85 269.48 9140.40 -391.48 386.42 -1073.93 1 9351.00 2.42 272.50 9235.33 -391.58 386.51 -1077.46 1 9446.00 2.86 279.33 930.23 -391.58 386.59 -1081.81 1 9540.00 3.25 286.19 9424.10 -393.23 388.11 -1086.68 1 9635.00 2.47 288.33 9518.98 -394.64 389.51 -1091.21 1 9729.00 1.76 292.32 9612.91 -395.84 390.69 -1094.47 1 9823.00 1.04 348.63 9706.89 -397.24 392.08 -1095.97 1 9917.00 0.63 19.83 9800.88 -398.56 393.40 -1095.96 1 10012.00 1.55 77.90 9895.86 -399.31 394.16 -1095.96 1 1016.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.14 395.00 -1091.43 1 10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	136.38 289.90 138.78 289.84		265.13M 269.48M
9446.00 2.86 279.33 9330.23 -392.08 386.99 -1081.81 1 9540.00 3.25 286.19 9424.10 -393.23 388.11 -1086.68 1 9635.00 2.47 288.33 9518.88 -394.64 389.51 -1091.21 1 9729.00 1.76 292.32 9612.91 -395.84 390.69 -1094.47 1 9823.00 1.04 348.63 9708.99 -397.24 392.08 -1095.97 1 9917.00 0.63 19.83 9800.88 -398.56 393.40 -1095.97 1 10012.00 1.55 77.90 8995.86 -399.31 394.16 -1094.53 1 1016.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.17 394.39 -1091.48 1 10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	141.33 289.79	9 0.38	272.8M
9540.00 3.25 286.19 9424.10 -393.23 388.11 -1086.68 1 9635.00 2.47 288.33 9518.98 -394.64 389.51 -1091.21 1 9729.00 1.76 292.32 9612.91 -395.84 390.69 -1094.47 1 9823.00 1.04 348.63 9706.89 -397.24 392.08 -1095.97 1 9917.00 0.63 19.83 9800.88 -398.56 393.40 -1095.96 1 10012.00 1.55 77.90 9989.86 -399.31 394.16 -1094.53 1 1016.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.14 395.00 -1091.43 1 10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	144.69 289.73 148.94 289.68		279.33M 286.19M
9729.00 1.76 292.32 9612.91 -395.84 390.69 -1094.47 1 9823.00 1.04 348.63 9706.89 -397.24 392.08 -1095.97 1 9917.00 0.63 19.83 9800.88 -398.56 393.40 -1095.96 1 10012.00 1.55 77.90 9895.86 -399.31 394.16 -1094.53 1 10106.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.14 395.00 -1091.43 1 10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	153.91 289.65		288.33M
9823.00 1.04 348.63 9706.89 -397.24 392.08 -1095.97 1 9917.00 0.63 19.83 9800.88 -398.56 393.40 -1095.96 1 10012.00 1.55 77.90 9895.86 -399.31 394.16 -1094.53 1 10106.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.14 395.00 -1091.43 1 10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	158.64 289.64		292.32M
9917.00 0.63 19.83 9800.88 -398.56 393.40 -1095.96 1 10012.00 1.55 77.90 9895.86 -399.31 394.16 -1094.53 1 10106.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.14 395.00 -1091.43 1 10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	162.11 289.64 163.99 289.68		348.63M 19.83M
10106.00 0.95 79.26 9989.84 -399.71 394.57 -1092.52 1 10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.14 395.00 -1091.43 1 10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	164.43 289.75	5 0.64	77.9M
10200.00 0.36 69.42 10083.83 -399.96 394.82 -1091.48 1 10293.00 0.29 289.36 10176.83 -400.14 395.00 -1091.43 1 10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	163.34 289.80 161.59 289.80		79.26M 69.42M
10388.00 0.24 222.10 10271.83 -400.07 394.93 -1091.79 1	160.69 289.89		289.36M
	160.71 289.90		222.1M
10482.00 0.87 264.70 10365.83 -399.86 394.72 -1092.63 1	161.02 289.89 161.74 289.86		264.7M 263.14M
10576.00 1.09 263.14 10459.81 -399.70 394.55 -1094.23 1	163.19 289.83	3 0.24	117.18M
	163.38 289.80 162.05 289.81		90.29M 153.67M
	161.11 289.82		229.28M
	161.18 289.78		234.43M
	161.97 289.72 163.14 289.64		238.57M 252.25M
11233.00 1.49 252.25 11116.73 -395.29 390.12 -1097.48 1	164.75 289.57	7 0.42	263.04M
	166.87 289.50 169.53 289.47		286.44M 190.96M
	170.57 289.43		145.2M
	162.92 289.13		7.93L
	143.36 288.46 128.97 287.94		17,53R 14.86R
11813.00 23.78 146.81 11686.64 -339.41 334.39 -1065.10 1	116.35 287.43	3 6.40	23.97R
	084.59 285.82 051.63 283.33		35,22R 56,25R
	026.12 279.95		17.38R
	009.75 275.95		46.08R
	006.08 271.49 013.42 266.57		17.87L 12.76L
12473.00 77.41 180.87 12085.32 146.46 -151.24 -1013.98 1	025.19 261.52	2 6.03	11.09L
	043.45 256.42 068.99 251.47		0.71R 5.57L
	096.49 247.49		11.94R
	109.74 245.86		111.82R
	153.23 241.64 206.21 237.87		83.84R 78.91L
13060.00 90.65 180.76 12104.51 731.53 -736.37 -1026.35 1	263.19 234.34	4.71	92.75L
	314.69 230.85 359.07 227.30		94.52L 84.33R
	405.85 223.92	2 3.98	132.62R
	461.14 220.88 525.15 218.25		90R
	525.15 218.25 599.13 216.12		66.91R 109.98L
13719.00 90.96 182.65 12108.89 1382.07 -1386.55 -947.24 1	679.22 214.34	4 0.12	147.1R
	759.94 212.73 841.87 211.27		169.94L 90R
14001.00 89.55 182.85 12107.91 1663.68 -1668.23 -960.44 1	924.95 209.93	3 0.33	83.8R
	009.42 208.73		94.24L
	095.47 207.61 181.08 206.57		90R 126.03L
14378.00 88.99 182.19 12111.17 2040.07 -2044.71 -979.63 2	267.27 205.60	1,01	55.74R
	354.11 204.71 441.63 203.89		79.56L 77.28L
14660.00 89.82 182.10 12113.31 2321.69 -2326.40 -992.69 2	529.34 203.11	1 0.68	169.05L
14755.00 89.51 182.04 12113.86 2416.61 -2421.33 -996.12 2	618.23 202.36	0.33	68.75L
	706.52 201.67		8.13L 8.13R
15037.00 89.72 181.86 12115.76 2698.41 -2703.17 -1005.41 2			146.31L
	795.14 201.01 884.09 200.40		
	.795.14 201.01 .884.09 200.40 .973.32 199.82	2 0.31	8.37R
15414.00 89.86 180.48 12117.72 3075.20 -3080.02 -1015.67 3	795.14 201.01 884.09 200.40	2 0.31 7 0.36	
15508.00 89.96 180.57 12117.86 3169.19 -3174.02 -1016.53 3	1795.14 201.01 1884.09 200.40 1973.32 199.82 1063.76 199.27	2 0.31 7 0.36 3 0.17 5 1.22	8.37R 127.57L

Comments	MD (ft)	inci (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
-	15697.00	90.03	180.57	12117.88	3358.17	-3363.01	-1018.41	3513.83	196.85	0.04	34.99R
	15791.00	90.13	180.64	12117.75	3452.16	-3457.00	-1019.41	3604.17	196.43	0.13	97.76L
	15885.00	90.10	180.42	12117.56	3546.15	-3551.00	-1020.28	3694.67	196.03	0.24	88.75L
	16074.00 16168.00	90.13 89.86	179.04 179.17	12117.18 12117.19	3735.15 3829.14	-3739.99 -3833.98	-1019.39 -1017.92	3876.43 3966.81	195.25 194.87	0.73 0.32	154.29R 120.26L
	16263.00	89.51	178.57	12117.19	3924.13	-3928.96	1017.92	4058.21	194.50	0.73	74.65R
	16358.00	89.65	179.08	12118.41	4019.11	-4023.94	-1014.10	4149.75	194.14	0.56	124.99L
	16453.00	89,58	178.98	12119.05	4114.10	4118.92	-1012.49	4241.54	193.81	0.13	4.76L
	16548.00	90.06	178.94	12119.35	4209.09	-4213.90	-1010.76	4333.43	193.49	0.51	78.69R
	16643.00	90.13	179.29	12119.19	4304.09	-4308.89	-1009.30	4425.52	193.18	0.38	130.6R
	16737.00	89.89	179.57	12119.17	4398.09	-4402.89	-1008.36	4516.88	192.90	0.39	78.91R
	16832.00	89.99	180.08	12119.27	4493.09	-4497.89	-1008.07	4609.47	192.63	0.55	87.83R
	16927,00 17022.00	90 <u>.</u> 24 89.82	186.68 184.50	12119.08 12119.03	4587.84 4682.34	-4592,67 -4687,21	-1013.67 -1022.92	4703,20 4797.53	192.45 192.31	6.95 2.34	100.9L 90.94L
	17116.00	89.79	182,67	12119.35	4776.12	-4781.02	-1028.80	4890.46	192.14	1.95	83,86L
	17211.00	90.06	180.16	12119.47	4871.07	4875.99	-1031.15	4983.82	191.94	2.66	160.71R
	17305.00	89.86	180.23	12119.54	4965.07	-4969.99	-1031.47	5075.89	191.72	0.23	88.78L
	17495.00	89.89	178.82	12119.95	5155.06	-5159.97	-1029.89	5261.75	191.29	0.74	76.52R
	17589.00	90.24	180.28	12119.85	5249.06	-5253.97	-1029.15	5353.82	191.08	1.60	105.01L
	17684.00	89.65	178.08	12119.94	5344.05	-5348.95	-1027.79	5446.80	190.88	2.40	137.29R
	17779.00 17874.00	89.52 89.65	178.20 177.71	12120.63	5439.01	-5443.90 -5538.84	-1024.71 -1021.32	5539.50	190.66 190.45	0.19 0.53	75.14L
	17968.00	90.07	178.25	12121.32 12121.55	5533,96 5627,92	-5632.78	1018.01	5632,21 5724.03	190.24	0.73	52.13R 161.1L
	18062.00	88.96	177.87	12122.34	5721.87	-5726.72	-1014.82	5815.94	190.05	1.25	61.05R
	18157.00	90.10	179.93	12123.12	5816.85	-5821.69	-1013.00	5909.17	189.87	2.48	68.2R
	18252.00	90,20	180.18	12122.87	5911.85	-5916.69	-1013.09	6002.80	189.72	0.28	115.47R
	18346.00	89.10	182.49	12123.45	6005.80	-6010.66	-1015.28	6095.80	189.59	2.72	14.03R
	18441.00	89.14	182.50	12124.90	6100.68	-6105.55	-1019.42	6190.07	189.48	0.04	37.17L
	18535.00	89.76	182.03	12125.81	6194.59	-6199.48	-1023.13	6283.33	189.37	0.83	92.59L
	18630.00	89.69	180.48	12126.26	6289.55	-6294.45	-1025.21	6377.39	189.25	1.63	66.71L
	18725.00 18820.00	90.37 90.92	178.90 181.84	12126.21 12125.14	6384.54 6479.52	-6389.44 -6484.43	-1024.70 -1025.31	6471.09 6564.99	189.11 188.99	1.81 3.15	79.39R 90R
	18914.00	90.92	182.33	12123.14	6573.43	6578.35	-1028.73	6658.30	188.89	0.52	104.36L
	19009.00	90.20	179.52	12122.71	6668.39	6673.32	-1030.26	6752.38	188.78	3.05	94.06L
	19104.00	90.06	177.55	12122.49	6763.37	6768.29	-1027.84	6845.89	188.63	2.08	104.3R
	19199.00	89.93	178.06	12122.50	6858.31	-6863.22	-1024.20	6939.22	188.49	0.55	146.55L
	19293.00	89.37	177.69	12123.07	6952.26	6957.15	-1020.71	7031.63	188.35	0.71	8.13R
	19388.00	89.72	177.74	12123.83	7047.20	-7052.07	-1016,92	7125.02	188.21	0,37	129,56R
	19483.00	89.34	178.20	12124.61	7142.15	-7147.01	-1013.56	7218.52	188.07	0.63	124.57R
	19578.00 19672.00	89.03 89.86	178.65 179.67	12125.96 12126.87	7237.12 7331.11	-7241 96 -7335 95	-1010.95 -1009.57	7312.18 7405.09	187.95 187.84	0.58 1.40	50.87R 96.44R
	19767.00	89.79	180.29	12127.16	7426.11	7430.95	-1009.54	7499.21	187.74	0.66	53.13L
	19862.00	90.00	180.01	12127.33	7521.10	-7525.94	-1009.79	7593.39	187.64	0.37	116.41L
	19957.00	89,28	178.56	12127.93	7616.09	-7620.93	-1008.60	7687.38	187.54	1.70	22.48R
	20051.00	89.86	178.80	12128.63	7710.08	-7714.90	-1006.43	7780.27	187.43	0.67	62.76R
	20146.00	90.21	179.48	12128.58	7805.07	-7809.89	-1005.01	7874.29	187.33	0.81	90R
	20241.00	90.21	179.56	12128.23	7900.07	-7904.89	-1004.21	7968.42	187.24	0.08	94.72L
	20335.00 20430.00	90.11 90.28	178.35 178.09	12127.97	7994.06 8089.02	-7998.87 -8093.82	-1002.50 -999.55	8061.45 8155.31	187.14 187.04	1.29 0.33	56.82L 98.97R
	20525.00	90.28	179.42	12127.64 12127.35	8184.01	-8188.80	-997.48	8249.33	186.95	1.42	86.78R
	20619.00	90.17	181.20	12127.16	8278.00	8282.79	-997.99	8342.70	186.87	1.90	97.64R
	20714.00	89.93	182.99	12127.07	8372.91	8377.73	-1001.47	8437.37	186.82	1.90	82.25L
	20808.00	90.52	178.65	12126.70	8466.87	8471.69	-1002.81	8530.84	186.75	4.66	107.16L
	20903.00	89.93	176.74	12126.33	8561.81	-8566.61	-998.99	8624.66	186.65	2.10	51.07R
	20998.00	90.14	177.00	12126.27	8656.69	-8661.47	-993.80	8718.30	186.55	0.35	93.81R
	21092.00	90.04	178.50	12126,12	8750.63	8755.39	-990.11	8811.20	186.45	1.60	96.97L
	21187.00	89.93	177.60	12126.15	8845.59	-8850.34	-986.88	8905.19	186.36	0.95	87.56R
	21283.00 21377.00	90.04 89.76	180.18 179.60	12126.17 12126.34	8941.57 9035.57	-8946.31 -9040.31	-985.02 -984.84	9000 <u>.</u> 38 9093.80	186,28 186,22	2,69 0.69	115.77L 66.11R
	21566.00	90.11	180.39	12126.55	9224.57	-9229.31	-984.82	9281.70	186.09	0.46	117.34L
	21661.00	89.04	178.32	12127.26	9319.55	9324.29	-983.75	9376.05	186.02	2.45	66.23R
	21755.00	89.93	180.34	12128.10	9413.54	9418.28	-982.65	9469.40	185.96	2.35	77.83L
	21850.00	90.04	179.83	12128,13	9508.54	-9513.28	-982,80	9563.91	185,90	0.55	93,63R
	21944.00	90.00	180.46	12128.09	9602.54	-9607.28	-983.03	9657.44	185.84	0.67	100.95L
	22038.00	89.94	180.15	12128,14	9696,53	-9701.27	-983.53	9751.00	185.79	0.34	4.4L
	22133.00	90.07	180.14	12128.14	9791.53	-9796.27	-983.77	9845.55	185.73	0.14	111.25L
	22227.00	90.00	179.96	12128.08	9885.53	-9890.27	-983.86	9939.09	185.68	0.21	53.75R
	22322.00 22416.00	90.11 90.21	180.11 180.45	12127.99 12127.72	9980.53 10074.52	-9985.27 -10079.27	-983.91 -984.37	10033.63 10127.23	185.63 185.58	0.20 0.38	73.61R 82.48R
Actual LTP Cross	22415.00	90.21	180.85	12127.72	101/4.52	-10079.27	-985.19	10127.23	185.54	0.38 0.57	82.48R
Last SLB MWD DMAG Survey	22510.00	90.28	180.98	12127.32	10168.51	-10173.26	-985.55	10220.89	185.53	0.57	HS
Projection to Bit	22572.00	90.28	180.98	12127.02	10230.49	-10235.25	-986.61	10282.70	185.51	0.00	

Survey Type:

Def Survey

Survey Error Model: Survey Program:

ISCWSA Rev 3 *** 3-D 97.071% Confidence 3.0000 sigma

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Ho l e Size Casi (in)	ng Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	32,600	1/98.425	30.000	30.000	A001Mb_MWD-Depth Only	SD 14 23 Fed P18 9H / Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft
	1	32.600	32.600	Act Stns	30.000	30.000	A001Mb_MWD-Depth Only	SD 14 23 Fed P18 9H / Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft
	1	32,600	761,900	Act Stns	30.000	30.000	A001Mb_MWD	SD 14 23 Fed P18 9H / Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft
	1	761.900	4743.000	Act Stns	30.000	30.000	B001Mb_MWD+HRGM	SD 14 23 Fed P18 9H / Chevron SD 14 23 Fed P18 9H MWD+DMAG to 22572ft

Comments	MD (ft)	inci (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
		1	4743.000	11327.000	Act Stns	30.000	30.000	B002Mb_MWD+F	IRGM+AX	SD 14 23 Fed P18 9H / 0 SD 14 23 Fed P18 MWD+DMAG to 225	9H
		1	11327.000	12777.000	Act Stns	30.000	30.000	B001Mb_MWD-	+HRGM	SD 14 23 Fed P18 9H / 6 SD 14 23 Fed P18 MWD+DMAG to 225	9H
		1	12777.000	22572.000	Act Stns	30.000	30.000	B002Mb_MWD+H	IRGM+AX	SD 14 23 Fed P18 9H / 0 SD 14 23 Fed P18 MWD+DMAG to 225	9H

26 SOUTH

3 Joint or Infill

Infill

32 EAST, N.M.P.M.

⁴ Consolidation Code

District 1
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
12210 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

Dedicated Acres

640

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

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LEA

WELL LOCATION AND ACREAGE DEDICATION PLAT

	' API Nun	nber	Pool Co	ode			' Pool Nar	ne			
	30-025-43	5826	98065			WC-025-G-0	08 S263205N;U	JPPER W	OLFCA!	MP	
⁴ Proper	ty Code		⁵ Property Name								
32:	5138		SD 14 23 FED P19 20H								
⁷ OGR	ID No.		⁸ Operator Name ⁹ Elevation								
43	23		CHEVRON U.S.A. INC.							3218'	
		•		10 Sur	face Locat	ion	· ·				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/\	West line	County	
В	14	26 SOUTH	SOUTH 32 EAST, N.M.P.M. 455' NORTH 1380' EA							LEA	
	" Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Township Range Lot Idn Feet from the North/South line Feet from the Fast/West line Count								

25'

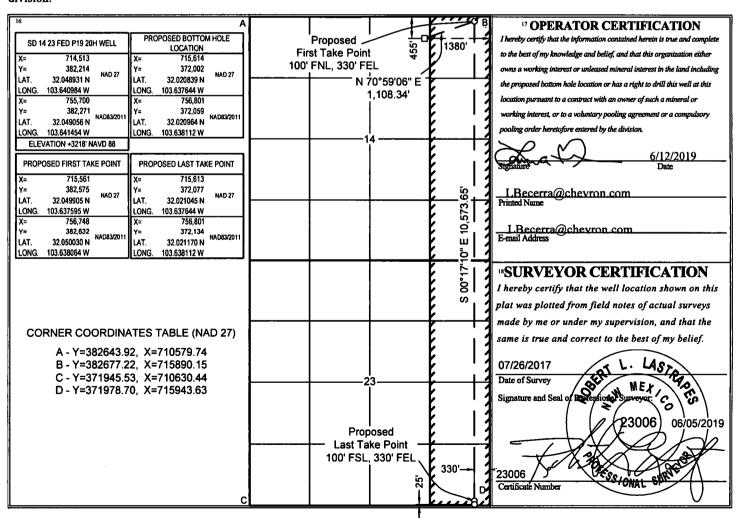
SOUTH

330'

EAST

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.

15 Order No.



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

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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

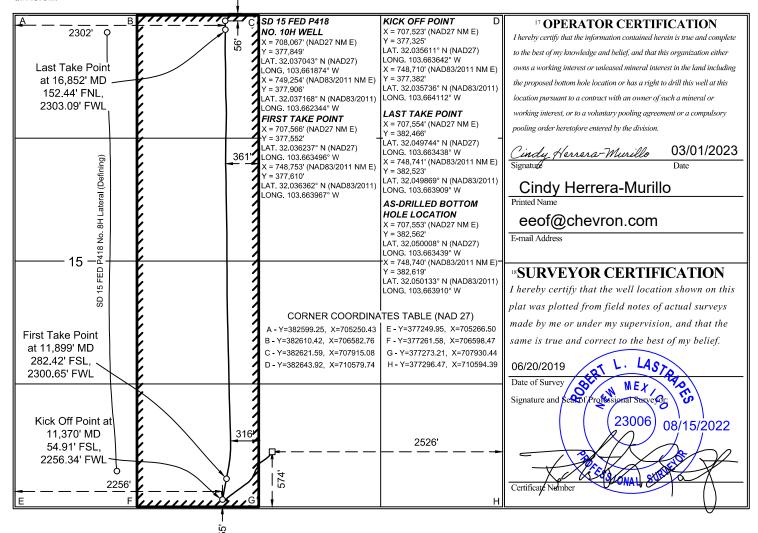
¹ API Numbe	er	² Pool Code	³ Pool Name				
30-025-4672	29	98065	Volfcamp				
⁴ Property Code		⁵ Property Name					
326867		SD 15 FED P418					
⁷ OGRID No.		8 Operator Name					
4323		CHEVRON U.S.A. INC.					

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
0	15	26 SOUTH	32 EAST, N.M.P.M.		574'	SOUTH	2526'	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Sec	ction	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	15	5	26 SOUTH	32 EAST, N.M.P.M.		56'	NORTH	2302'	WEST	LEA
12 Dedicated A	Acres	13 Join	t or Infill	¹⁴ Consolidation Code	⁵ Order No.					
160			Infill							



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

District IV

Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

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

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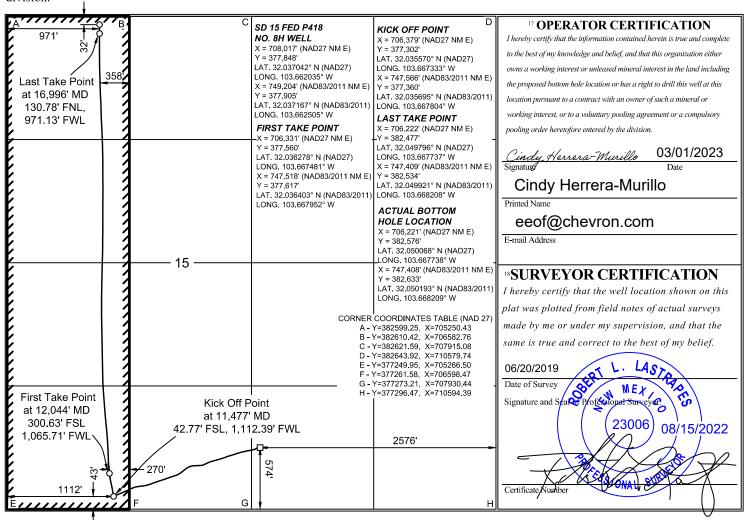
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numbe			³ Pool Name				
30-025-4672	26	98065	Volfcamp				
⁴ Property Code		6 Well Number					
326867		SD 15 FED P418					
⁷ OGRID No.		⁸ Operator Name					
4323		CHEVRON U.S.A. INC.					

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
О	15	26 SOUTH	32 EAST, N.M.P.M.		574'	SOUTH	2576'	EAST	LEA
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
D	15	26 SOUTH	32 EAST, N.M.P.M.		32'	NORTH	971'	WEST	LEA
12 Dedicated A	cres 13 Jo	int or Infill	¹⁴ Consolidation Code	⁵ Order No.					
160		Defining							



District I

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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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.

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

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WELL LOCATION AND ACREAGE DEDICATION PLAT

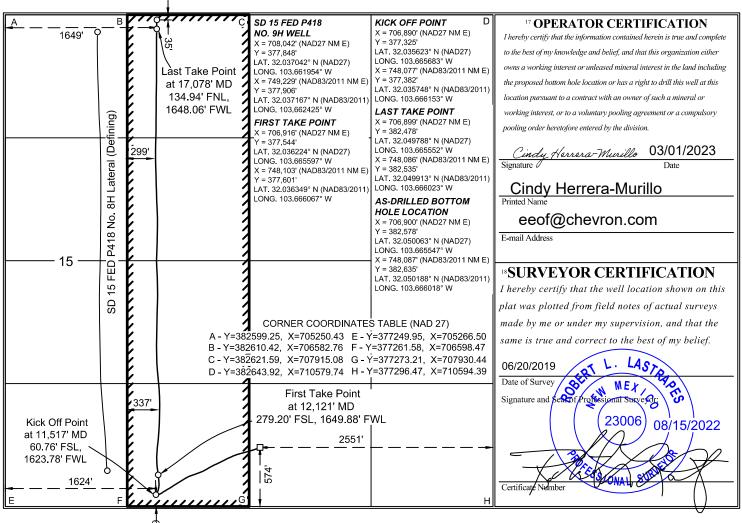
¹ API Nu	mber	² Pool Code	³ Pool Name	
30-025-4	6728	98065	Volfcamp	
⁴ Property Code		⁵ Pr	roperty Name	6 Well Number
326867		SD 1	15 FED P418	9H
⁷ OGRID No.		8 O _I	perator Name	⁹ Elevation
4323		CHEVR	ON U.S.A. INC.	3156'

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	
О	15	26 SOUTH	32 EAST, N.M.P.M.		574'	SOUTH	2551'	EAST	LEA	
"Bottom Hole Location If Different From Surface										

Bottom Hole Location II 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
	C	15	26 SOUTH	32 EAST, N.M.P.M.		35'	NORTH	1649'	WEST	LEA
Ī	12 Dedicated A	cres 13 Jo	nt or Infill	¹⁴ Consolidation Code ¹⁵	Order No.					
	160		Infill							



County

LEA

<u>District 1</u>
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>
811 S. First St., Artesia, NM 88210

Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District IIII</u> 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

UL or lot no.

12 Dedicated Acres

160

Section

15

Township

26 SOUTH

¹³ Joint or Infill

Infill

Range

Consolidation Code

32 EAST, N.M.P.M.

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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

	¹ API Num	ıber	² Pool Co	ode			³ Pool Nat	ne			
	30-025-46	5730	98065	5		WC-025 C	G-08 S263205N	; Upper V	Volfcamp		
⁴ Proper	ty Code		•	⁵ Pt	roperty Name				⁶ Well Number		
326	868			SD :	15 FED P419				11H		
⁷ OGR	ID No.			8 O _l	perator Name				⁹ Elevation		
43	23			CHEVRON U.S.A. INC.						3159'	
				10 Sur	face Locat	ion					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/	West line	County	
P	P 15 26 SOUTH 32 EAST, N.M.P.M.				577'	SOUTH	1020'	EA	ST	LEA	
	¹¹ Bottom Hole Location If Different From Surface										

Feet from the

51'

North/South line

NORTH

Feet from the

2318'

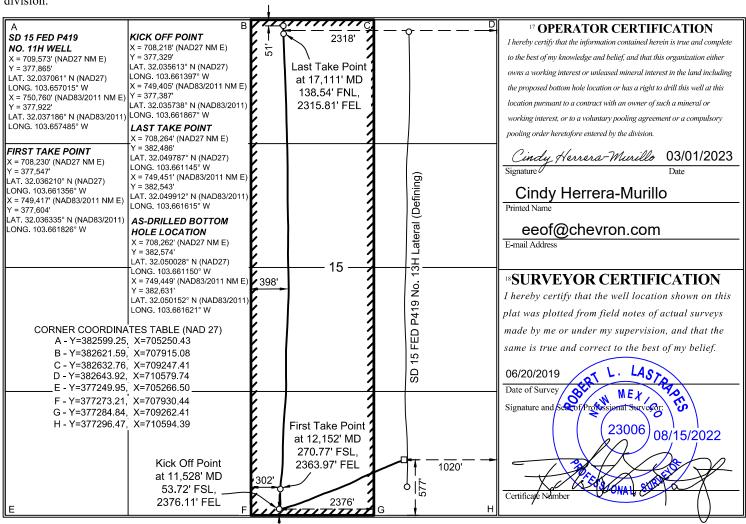
East/West line

EAST

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.

Lot Idn

Order No.



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

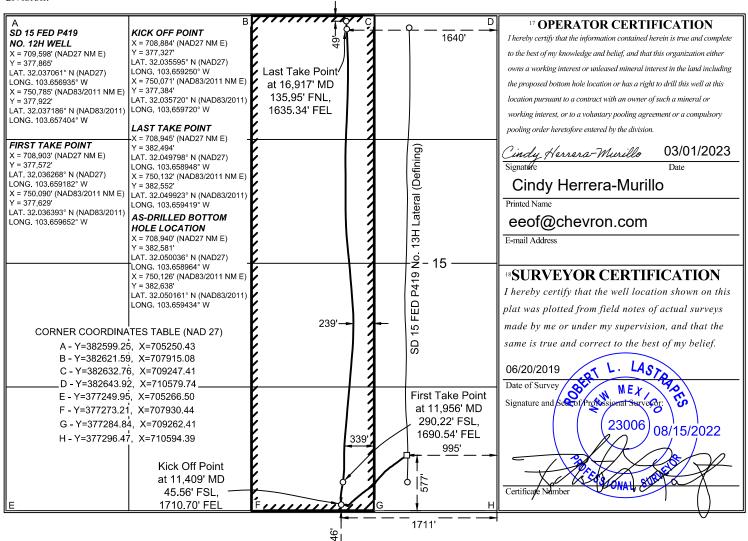
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

	WEEL LOCATION AND ACKLAGE DEDICATION I LAT											
	¹ API Nu	nber	² Pool	Code			3 Pool Nai	me				
	30-025-4	6731	980	065		WC-025 C	G-08 S263205N	; Upper V	Volfcamp			
⁴ Proper	ty Code		<u>'</u>	5 P	roperty Name				6	Well Number		
326	868			SD	15 FED P419				12H			
⁷ OGRI	ID No.			⁸ Operator Name					⁹ Elevation			
432	23			CHEVE	CHEVRON U.S.A. INC.					3159'		
	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		
P	15	26 SOUTH	32 EAST, N.M.P.M	ī.	577'	SOUTH	995'	EA	ST	LEA		
			11 Bottom	Hole Locat	ion If Diff	erent From S	Surface					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/V	West line	County		
В	15	26 SOUTH	32 EAST, N.M.P.M	[.	49'	NORTH	1640'	EA	ST	LEA		
12 Dedicated A	² Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code			15 Order No.								
160		Infill										



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1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

District IV

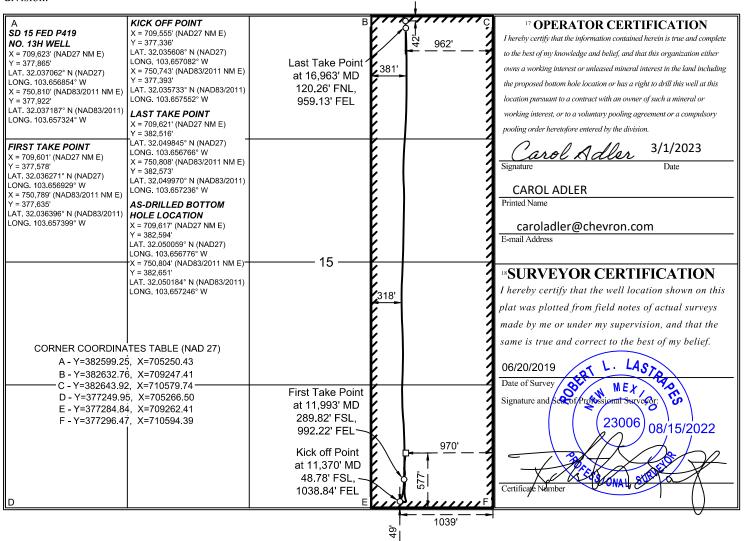
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

	WELL ECCHION THAD REALINGE DEDICATION I EAT										
	¹ API Nu	nber	² Pool	Code			3 Pool Nai	ne			
	30-025-4	6810	980)65	5 WC-025 G-08 S263205N; Upper Wolfcamp						
⁴ Proper	ty Code		•	⁵ Property Name					⁶ Well Number		
326	868			SD 15 FED P419					13H		
⁷ OGR	ID No.			8 O	perator Name					⁹ Elevation	
43	4323				CHEVRON U.S.A. INC. 3161'						
	¹⁰ Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
P	15	26 SOUTH	32 EAST, N.M.P.M		577'	SOUTH	970'	EAS'	Т	LEA	
			" Bottom	Hole Locat	tion If Diff	erent From S	Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
A	15 26 SOUTH 32 EAST, N.M.P.M				42'	NORTH	962'	EAS'	Т	LEA	
12 Dedicated A	Dedicated Acres 13 Joint or Infill 14 Consolidation Code										
160	1	Defining									



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 <u>District III</u> 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

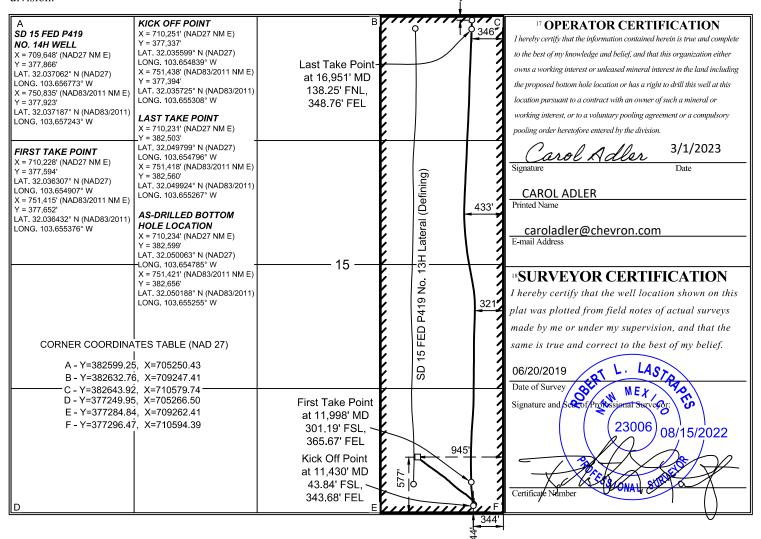
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	1 API Num	ıber	² Pool Co	ode	³ Pool Name							
	30-025-46	5732	98065	5		WC-025 G	6-08 S263205N	; Upper Wo	olfcamp			
⁴ Proper	ty Code			5 P1	roperty Name				⁶ Well Number			
326	868		SD 15 FED P419						14H			
⁷ OGR1	ID No.			8 O	perator Name			,	⁹ Elevation			
433	23			CHEVR	ON U.S.A. IN	C.			3160'			
				10 Sur	face Locat	ion						
UL or lot no.	Section	Township	Ownship Range Lot Idn Feet from the North/South line Feet from the East/West line				Сог	ınty				
		2 (0 0 1 1771	22 5 4 6 5 3 3 4 5 3 4			0.0117711	0.451	E	_ I	T T 4		

577' 26 SOUTH 32 EAST, N.M.P.M. SOUTH **EAST** LEA ¹¹ Bottom Hole Location If Different From Surface Range UL or lot no. Feet from the North/South line Feet from the East/West line County Section Township 15 26 SOUTH 32 EAST, N.M.P.M. 42' **NORTH** 346' **EAST LEA** 12 Dedicated Acres 13 Joint or Infill Consolidation Code 15 Order No. 160 Infill



HOBBS OCD

SEP 2 1 2015

HOBBS OCD
Phone: (575) 393-616: District II

811 S. Find St. Artesia, NM 88210 EC 0 5 2016

Energy, Minerals & Natural Resources Department

OIL CONSED VA TION

District III Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office Phone: (505) 334-6178 Fax: (515) 4-6 (a) EIVED 1220 South St. Francis Dr. -AMENDED REPORT Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fc, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT SD WE 14 FED P5 2H ^a Operator Name Elevation CHEVRON U.S.A. INC 3157 Surface Location UL or lot no. Section Township Range Feet from the North/South line East/West line Feet from the County M 26 SOUTH 32 EAST, N.M.P.M. 673 WEST LEA "Bottom Hole Location If Different From Surface UL or lot no Township Lot Idn Feet from the East/West line County 26 SOUTH 32 EAST, N.M.P.M NORTH WEST LE.A Dedicated Acres 13 Joint or Infill Consolidation Code 316 971 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. OPERATOR CERTIFICATION by certify that the information contained herein is true and comp PROPOSED BOTTOM HOLE COCATION 711,570 NAD 27 best of my knowledge and belief, and that this organization either ing interest or unleased mineral interest in the hand including Y= 382,370 m hole location or has a right to drill this well at this LAT. 32,049411 Proposed Last Take LONG 103.650477 nu to a contract with an owner of such a mineral o **Point** 752,757 330' FNL, 987' FWL Y= 382,427 LAT. 32.049536 LONG. 103.650947 Proposed Producing Interval 03°25'47"E 5,067.42' CORNER COORDINATES TABLE (NAD 27) recamurillo acheuronitam A - Y=382643.92, X=710579.74 B - Y=382652.25, X=711907.34 C-Y=378633.33, X=710590.73 "SURVEYOR CERTIFICATION D - Y=378643.30, X=711921.56 E - Y=377296.47, X=710594.39 I hereby certify that the well location shown on this F-Y=377306.99, X=711926.30 plat was plotted from field notes of actual surveys made by me or under my supervision, and that the SD WE 14 FED P5 2H WELL 711,267 D 377,312 C Y= Proposed First Take LAT 32.035512 **Point** LONG 103.651558 330' FSL, 693' FWL 752,455 X= NAD83 Y= 377,369 LAT. 32.035637 LONG. 103.652028 POFESSIONA ELEVATION +3157' NAVD 88

HOBBS OCE State of New Mexico HOBBS OCD Form C-102
Energy, Minerals & Natural Resources Department District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 <u>District fl</u> 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 Submit one copy to appropriate OCT 0 6 OIL CONSERVATION DIVISION 1220 South St. Francis Dr. FEB 2 9 2016 District Office District III os Road, Aztec, NM 37410 1000 Rio B Phone: (505) 334-6178 Fux: (505) 334-6170 Santa Fe, NM 87505 ENDED REPORT District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 RECEIVED Phone: (505) 476-3460 Pax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number -4308 SD WE 14 FED P7 3H 8 Operator Name Elevation CHEVRON U.S.A. INC. 3165 Surface Location Range Feet from the North/South line Feet from the East/West line County UL or lot no. Section Township 32 EAST, N.M.P.M. 26 SOUTH 215 SOUTH EAST LEA "Bottom Hole Location If Different From Surface East/West line Lot Idn Feet from the Feet from the UL or lot go. Section Township Range North/South line County 180 26 SOUTH 32 EAST, N.M.P.M. NORTH 990 EAST 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 101 No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the "OPERATOR CERTIFICATION POSED BOTTOM HOLE certify that the information contained herein is true and co 714,901 NAD 27 est of my knowledge and belief, and that this organization either 382,491 Y= LAT. 32 049685 Proposed Last Take LONG 103.639725 Point 756,088 NAD83 χ= 382,548 330' FNL, 981' FEL Y= LAT. 32.049810 LONG 103,640195 03°43'18"W 4,953.44" Producing Interval CORNER COORDINATES TABLE (NAD 27) murillo & cheurin, com A - Y=382668.90, X=714562.55 B - Y=382677.22, X=715890.15 C - Y=378663.24, X=714583.23 SURVEYOR CERTIFICATION D - Y=378673.21, X=715914.07 E - Y=377328.02, X=714590.12 hereby certify that the well location shown on this F-Y=377338.54, X=715922.04 plat was plotted from field notes of actual surveys ade by me or under my supervision, and that the SO WE 14 FED P7 3H WELL 715,223 NAD 27 377.548 D Y= Proposed First Take LAT. 32.036092 **Point** LONG. 103.638790 330' FSL, 705' FEL 756,410 NAD83 X= Y= 377,605 LAT. 32.036217 PROFESSIONA 103.639259 ELEVATION +3165' NAVD 88 698

HOBBS OCD

OCT 06 2016

HOBBS OCD District 1

1623 N. Freech Dr., Hobbs. NM 8870 FC ELEGY, Minerals & Natural Resources Department 9 2016

Phone: (575) 393-6161 Fax: (575) 393-6700 Form C-102 Revised August 1, 2011 District II 811 S, First St., Artesia, NM 88210 Submit one copy to appropriate OIL CONSERVATION DIVISION Phone: (575) 748-1283 Fax: (575) 748-9720 RECEIVED District Office District UI 1220 South St. Francis Dr. azos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 Santa Fe, NM 87505 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT ennin Property Name SD WE 14 FED P7 4H Operator Name Elevation CHEVRON U.S.A. INC. 3165 Surface Location Lot Idn Feet from the North/South line Feet from the East/West line County UL or lot no. Section Township Rnnye 26 SOUTH 32 EAST, N.M.P.M. EAST LEA "Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South line UL or lot no. Feet from th East/West line County Township 26 SOUTH 32 EAST, N.M.P.M. LEA Dedicated Acres D Joint or Infill Consolidation Code 15 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. "OPERATOR CERTIFICATION certify that the infor PROPOSED BOTTOM HOLE 715.561 NAD 27 382,495 Y= or has a right to drill this well at this LAT. 32,049685 Proposed Last Take LONG 103 637595 tract with an owner of such a mineral or Point 756,748 NAD83 382,552 330' FNL, 340' FEL Y= 32,049810 LAT 103 638065 LONG. Proposed Producing Interval 03°20'15"E 4,955.14' CORNER COORDINATES TABLE (NAD 27) A - Y=382668.90, X=714562.55 B - Y=382677.22, X=715890:15 C - Y=378663.24, X=714583.23 SURVEYOR CERTIFICATION D-Y=378673.21, X=715914.07 E-Y=377328.02, X=714590.12 I hereby certify that the well location shown on this F-Y=377338,54, X=715922.04 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. SO WE 14 FED P7 4H WELL 715,273 NAD 27 377,548 Proposed First Take LAT 32,036092 Point 103.638626 LONG 330' FSL, 641' FEL 756,460 NAD83 WEGISTERE! 377,606 LAT. 32.036217 LONG. 103.639098 ELEVATION +3185 NAVD 88 PROFESSIONA

District II 811 S. First St., Arte Phone: (575) 748-12 District III	esia, NM 88210 283 Fax: (575) 74 pad, Aztec, NM 87 178 Fax: (505) 33 Dr., Santa Fc, NM	FEB 0	WELL LOC	OIL	1220 Sou Santa	Natura RVAT oth St. Fe, NI	I Res ION Fran M 87	DIVISION cis Dr.		Submit one co	Form C-102 ad August 1, 2011 py to appropriate District Office NDED REPORT
Propert	y Code	1361	5 71	80	5 Pr	operty N	lame	ngs, up	per Don	e Spring	ell Number
317	407				SD W	E 15 FE	ED P12				1H
'OGRI	D No.		,			perator N					
40							U.S.A. INC, 3149'				3149'
	0 .: 2		P			face L			T C	F (N/)	0
UL or lot no.	Section To		Range		Lot Idn	Feet fre			Feet from the	East/West line	County
N	15 20	SOUTH	32 EAST, N.M		1 7	52'	_	SOUTH	1385'	WEST	LEA
UL or lot no.	Section	Township	Range	om H	Lot Idn			North/South line	Feet from the	East/West line	County
D D		SOUTH		DM	Lot Idii	181		NORTH	343'	WEST	LEA
12 Dedicated Ac			32 EAST, N.M Consolidation Co		Order No.	101		NORTH	343	WEST	LEA
343	cing Interval	at 1 346	Take Point 3,781' MD 5.87' FNL, 9.82' FWL	X= Y= LAT.	705,591 382,255 32,049198 6, 103,669776 746,778 382,313 32,049323 6, 103,670247 FIRST TAKE POIN	NAD 27	Y= LAT. LONG, X= Y= LAT. LONG.	TOCATION 705,594 NAD 2 382,421 32.049654 103.669763 746,781 NAD 6 382,478 32.049779 103.670234 E 15 FED P12 1H WELL	to the best of n owns a workin the proposed I location pursu working intere pooling order	i that the information contained by knowledge and helief, and the g interest or unleased mineral in the souton hole location or has a right ant to a contract with an owner sst, or to a voluntary pooling ag theretofore entered by the division	at this organization either interest in the land including that to drill this well at this of such a mineral or reement or a compulsory
	Proposed Produc			X= Y= LAT. LONG X=	705,575 377,768 32,036864 3. 103.669918	NAD 27	X= Y= LAT,	706,651 NAD 2 377,314 32.035597 103.666454 747,838 NAD8	Dull Printed Name	se Pinike	Date TON COM
				Y= LAT. LONG	377,826 32.036989 6. 103.670389			377,371 32.035722 103.666924 ATION +3149' NAVD 88	E-mail Addres	58	
			1	5		1		BLE (NAD 27)	I hereby ce plat was pe made by m	EYOR CERTI crify that the well loc lotted from field notes e or under my supervi the and correct to the b	of actual surveys
		9 51	Take Point at ,287' MD 5.65' FSL, 9.91' FWL	 F	B - Y=38 C - Y=37 D - Y=37 E - Y=37	82599.25 82610.42 77249.95 77261.58 78598.79 78610.31 77273.21	2, X=70 5, X=70 8, X=70 9, X=70 1, X=70	6582.76 05266.50 — 06598.47 06594.54 7926.60	Date of Surv Signature and	The state of the s	MEXION PRINCIPLES

District I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393 0720
Pittrict II
811 S First St., Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748 9720
Pittrict III
1000 Rio Brazas Road, Aziec, NM 87410
Phone. (505) 334-6178 Fax (505) 334-6170
Pittrict IV
1220 S St. Francis Dr., Sanss 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

**LAMENDED REPORT "as distilled."

30-025-4	3594	9 Pool	838	Denn	ings Up	Pool Nam	Dorma	Male	
Property Code			1 P	roperty Name	0			Well Number	
217401	1		SD W	VE 15 FED P	12			2H	
OGRID No.		_	.0	perator Name		·—·- ·- ·-·		Elevation	
4525			CHEV	RON U.S.A.	INC.			3147	
			<u> </u>	face Loca	ition				
UL or lot no. Section	Township	Range	Lot Ida	Feet from ti	ne North/South line	Feet from the	East/West line	County	
N 15	26 SOUTH 3	2 EAST, N.M.P.M.		52'	SOUTH	1410'	WEST	LEA	
		<u>" Bottom l</u>	Hole Loca	tion If Di	fferent From S	Surface			
UL or lot na. Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County	
D 15	26 SOUTH 3	2 EAST, N.M.P.M.		177'	NORTH	1234'	WEST	LEA	
12 Dedicated Acres 13 Join	t or Infill 14 C	onsolidation Code	13 Order No						
160								j	
No allowable will be		is completion up	til all interes	to have here	annelideted or				
division.	assigned to th	its combienou un	III WII INICICZ	IS HAVE DEEL	i consolidated of	a non-standard	i unit has been a	рргочеа ву ине	
division.									
~	<u> </u>		LAST TAKE POIN	π AS	DRILLEO BOTTOM HOLE LOCATION	11	ERATOR CER	-	
1234'	3 †	X=	706,485	NAD 27 X=	706,485 NAD 2	7 1	-	ed herein is true and complete	
	[] [Y=	382,267	Y=	382,433	10		that this organization either il interest in the land including	
L L Tales Daise at	13	LAT LON	. 32.049214 IG. 103.656889	LAT.	32.049670 3. 103.666889	12	stom hole location or has a		
Last Take Point at 13,706' MD	13	 	747,673	NAD83 X=	747,672 NADE	. 1 11	ni to a contract with an own	•	
342.87' FNL,	. 7.	Y=	382,324	Υ=	382,490	,	t or to a valuetary paoling	=	
1,234.49' FWL	1	LAT		LAT.	32.049795	111	egyzjare entered by the div	_	
<u> </u>	1 —	LON	IG. 103.667360 FIRST TAKE POR		3. 103.667359 WE 15 FED P12 2N WELL		() i i i	12/14/2017	
Ł	[3]	χ -	706,501	NAD 27 X=	708,676 NAD 2		S) WICHOUGH	Date	
E	:3	Y≃	377,776	Υs	377,314	11.7	- 0	L &	
Ł	1	LAT		LAT.	32.035597	III	se PINKE	iciola	
E	'1	X=	IG. 103,666929 747,688	NAD83 X=	5. 103.666373 747,863 NADE	Printed Name	والمصاد		
E	13	Y•	377,833	Y=	377,372	~ Leake_	معالاتا نصابي	ECN. Com	
E	1	LAT		LAT.	32.035723	E-mail Address			
<u> </u>	<u> 1</u>		IG. 103.667399		3. 103.666843 EVATION +3147 NAVD 68	╢			
Į.	ij i					"SURVI	EYOR CERT	TFICATION	
E	12	I		ı		1		cation shown on this	
E	13	1 15				11.		es of actual surveys	
E	12	15		 		11		vision, and that the	
Ł	13			1	ABLE (NAD 27)	same is true	and correct to the	best of my belief.	
E	ıZ	I	A - Y=382599.25, X=705250.43						
	12 E	If_	B - Y=382610.42, X=706582.76 C - Y=377249.95, X=705268.50				Date of Survey		
First Take Point at	1		D · Y=377261.58, X=705268.50				Signature and Seal of Professional Surveyor:		
9,211' MD	1	ı		/8598.79, X=7		المالة على المالة ا	STEE ST. CONTESSION STE		
515.36 FSL	' ' }		F - Y=37	'8610.31, X=7	07926.60	<u>.</u>			

G-Y=377273.21, X=707930.44

Certificate Number

1,236.35' FWL

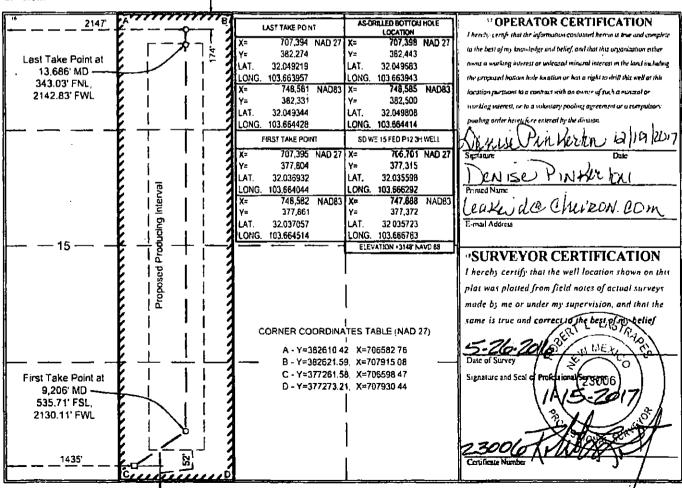
State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

			WEDE BOOKIN	O11 1 11 11 11 11 11 11 11 11 11 11 11 1	TORLING	L DEDICAL	10111 2717	·				
30-02	1 API NUM 25 - 4	3595	7 97838°	ode	Denne	ngs Bin	er Prool Name	. ا ا	ile			
Proper	ty Code	1	<u> </u>	1 Pa	operty Name	0- ,	· •	U^{\prime}	Well Number			
3170	407	<u> </u>		SD W	E 15 FED P12				3H			
'OGR	ID No.	T		Operator Name					Elevation			
4	<i>525</i>	l		CHEVR	CHEVRON U.S.A. INC. 3148							
	Surface Location											
UL or lat no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feel from the	East/West lin	c County			
N	15	26 SOUTH	32 EAST, N.M.P.M.]	52'	SOUTH	1435'	WEST	LEA			
			" Bottom H	ole Locat	ion If Diff	erent From S	Surface		·			
UL or lot no.	Section	Township	Range	Loi lan	Feet from the	North/South line	Feet from the	East/West line	County			
С	15	26 SOUTH	32 EAST, N.M.P.M.		174'	NORTH	2147	WEST	LEA			
Dedicated A	eres 13 Join	ni ar Infili	¹⁴ Consolidation Code 11	Order No.								



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 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

1220 S. St. Francis Dr., Santa Fc, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico

Energy, Minerals & Natural Resources Destruent
OIL CONSERVATION DATES ON

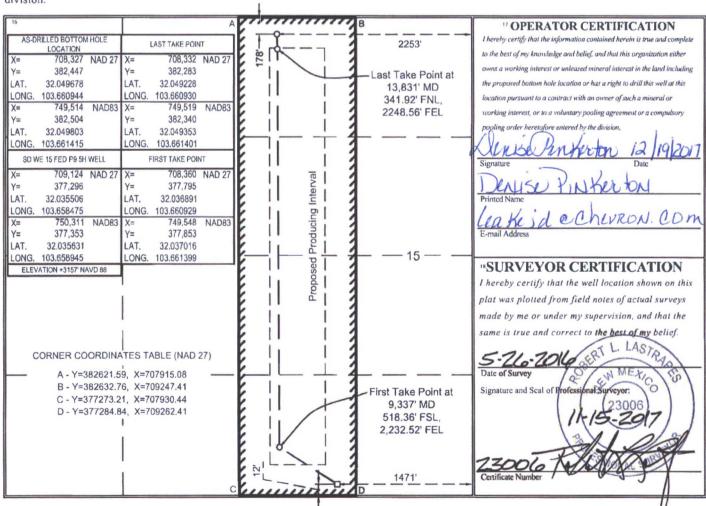
1220 South St. Francis Dr DEC 26 2017 Santa Fe, NM 87505 Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

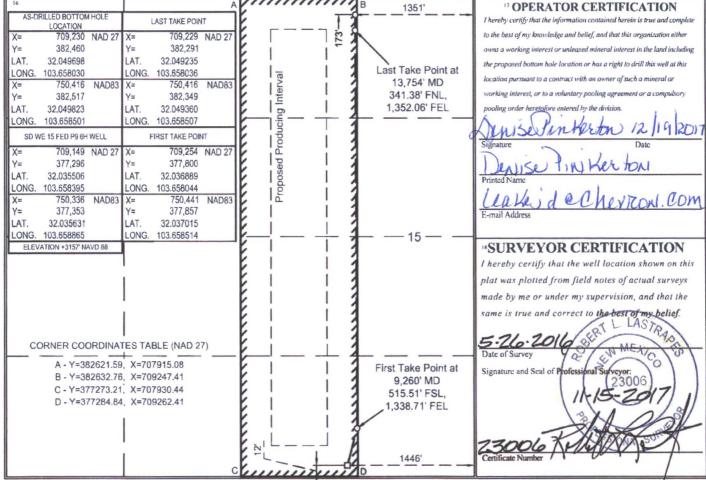
WELL LOCATION AND ACREAGE DEDICATION PLAT

30-C	API Number) 25 - 4	3640	9783	97838 Gennings Upper Bone Spry							le
4 Propert	y Code			5 Property Name						Well Numbe	r
3111	156	SD WE 15 FED P9								5H	
'OGRII	D No.		⁸ Operator Name						9	Elevation	
432	33			CHEVR	ON U.S.A. IN	C.		/		3157'	
	□ Surface Location										
UL or lot no.	Section To	wnship	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/	West line		County

26 SOUTH 32 EAST, N.M.P.M. SOUTH 12 1471' EAST LEA Bottom Hole Location If Different From Surface North/South line Feet from the Lot Idn Feet from the UL or lot no Section Township East/West line County 1781 26 SOUTH 22531 32 EAST, N.M.P.M. NORTH EAST LEA 12 Dedicated Acres 13 Joint or Infill Consolidation Code Order No. 160



District I 1625 N, French Dr., Ilobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-9720 Phone: (575) 393-6161 Fax: (575) 393-9720 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Azice, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 South St. Francis Dr. Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT												
30-025 143 317456 30-025 100 317456 3000 No. 4323			SD V 8 C CHEVE	Property Name WE 15 FED P9 Operator Name RON U.S.A. IN	igs; Uppe	3 Pool Nar Done		9 1	Shale fell Number 6H Elevation 3157'			
UL or lot no. Section T	ownship	Range	lo Sur	Feet from the		Feet from the	East/	West line	County			
O 15 2	EA	ST	LEA									
		" Bottom	Hole Loca	tion If Diff	erent From S	urface						
UL or lot no. Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/\	West line	County			
B 15 2	6 SOUTH	32 EAST, N.M.P.N	1.	173'	NORTH	1351'	EA	ST	LEA			
Dedicated Acres 19 Joint	or Infill	⁴ Consolidation Code	15 Order No.									
No allowable will be a division.	ssigned to	this completion un	ntil all interes	ts have been o	consolidated or	a non-standar	d unit ha	s been app	proved by the			
AS-DRILLED BOTTOM HOLE LOCATION X= 709,230 NAD 27 Y= 382,460 LAT. 32,049698 LONG. 103,658030 X= 750,416 NAD83 Y= 382,517 LAT. 32,049823	7 X= Y= LAT. 33 LONG. 103 8 X= Y= LAT. 33	A TAKE POINT 709,229 NAD 27 382,291 2.049235 3.658036 750,416 NAD83 382,349 2.949860 3.658607	ng Interval	1	1351' st Take Point at 13,754' MD 341,38' FNL, 1,352.06' FEL	I hereby certify to the best of m owns a working the proposed b location pursue working interes	that the informacy knowledge a g interest or un cottom hole loca ant to a contra	mation contained and belief, and tha nleased mineral in ation or has a rig act with an owner	IFICATION I herein is true and complete at this organization either interest in the land including ght to drill this well at this of such a mineral or reement or a compulsory on.			



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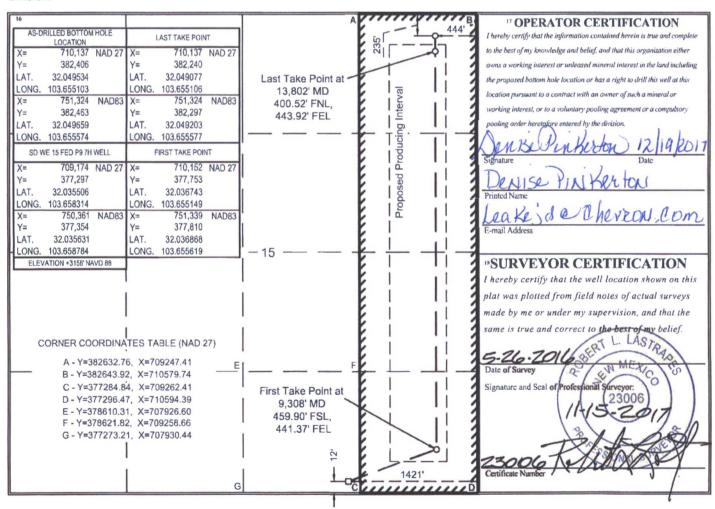
State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

10 05 Lyrilled "

Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT API Numbe Property Name Property Code SD WE 15 FED P9 7H 8 Operator Name OGRID No. ⁹ Elevation CHEVRON U.S.A. INC. 3158 10 Surface Location Feet from the UL or lot no Section Township Range North/South line Feet from the East/West line County 0 26 SOUTH 32 EAST, N.M.P.M. SOUTH 1421' EAST LEA "Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South line Feet from the UL or lot no. East/West line Section Township County 26 SOUTH 32 EAST, N.M.P.M. 235' NORTH 444 **EAST** LEA 12 Dedicated Acres Joint or Infill Consolidation Code 10



District [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 Lax (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax. (505) 334-6170

1220 S St Tranc's Dr., Santa Fe, NM 87505 Phone (505) 476-3460 Fax (505) 476-3462

Property Code

API Number

5-43466

District IV

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

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

1 Pool Name

AMENDED REPORT

Well Number

WELL LOCATION AND ACREAGE DEDICATION PLAT

Property Name

Pool Code

Santa Fe, NM 87505

3170	168	SD WE 23 FED P25										1H				
OGRI	ID No.			⁸ Operator Name										⁹ Elevation		
4	200				CHEVRON U.S.A. INC.									3121'		
					+6	Sur	face I	_ocati	on			-				
UL or lot no.	Section	Township	Range		L	ot Idn	Feet f	rom the	North	South line	Fe	et from the	East/	West line	C	ounty
N	23	26 SOUTH	32 EAST, N.N.	1.P.M			26	0,	SC	HTU		2603'	WE	EST	LEA	
			" Bott	om	Hole L	ocat	ion If	Diffe	rent	From	Sur	face				
UL or lot no.	Section	Township	Range	-	L	oi Idn	Feet fre	om the	North/	South line	Fc	et from the	East/	West line	C	ounty
C	14	26 SOUTH	32 EAST, N.N.	1.P.M			19	3'	NO	DRTH		1810	WE	EST	LEA	
12 Dedicated A	eres 11 Join	or Infill	14 Consolidation C		15 Order N	lo.									1	
320)															
0100																
No allowabl	le will be	assigned to	this completion	on un	til all in	teres	ts have	been c	onsol	idated or	an	on-standar	d unit ha	is been ap	proved by t	ne
division.						1.										
16				1,,	A. V.	777	1111	B'N 89	°38'27	E 5,310.	52'	17 O.I	PERATO	DR CERT	TIFICATIO	N
SD WE 23 FED	P25 1H WELL	TOP	PERF POINT	1 1	1810'	1-0			-+		1				d herein is true and	
X= 713	3,232 NAD 2		712,425 NAD 27	1		193					17	to the best of m	n) knowledge a	and belief, and t	hat this organization	either
H .	2,222	Y=	372,520					- 5-11		Daint -	12				interest in the land	-
LAT. 32.02 LONG. 103.64			2.022319 3.647921	1		1			m Perf	5' FWL	1.1				ight to drill this well	
X= 754	4,419 NAD8	3 X=	753,612 NAD83	1		- 1		(M	D 19,0	04')	,338.78	-			r of such a mineral or greement or a comp	
H	2,279	Y= LAT. 3	372,577 2,022444	1					1		5,33			ered by the dive		шчну
LAT. 32.02 LONG, 103.64	4	1	4 —		-	-		W.	1		1 1	00/	j			
ELEVATION +3				5,347							20.3	MIKIS	Pens	erton	08 103	1201
BOTTOM PE	ERF POINT	ACTUAL BOT	TOM HOLE LOCATION	184		- 1					S 00°2	Signature	-	. 1	Date 1	
	2,396 NAD 2	7 X= Y=	712,391 NAD 27	00.09'25" W							S	LENIS	Se P	MKer	ton	
Y= 382 LAT. 32.04	2,271 9124	1	382,463 2,049652	8		1					7	Printed Name		a l	, ,	
LONG. 103.64			3.647828	Z							1	Leake	sde	Chevia	ON Con	1
	3,583 NAD8 2,328	3 X= Y=	753,578 NAD63 382,520	E		1					1	E-mail Addre	SS			
LAT. 32.04	9249	LAT. 3	2.049777	-		-			-		Н	CALIDA	TYLOD	ODDA	TOTAL A POYCE	
LONG. 103.64	8285	LONG. 10	3.648298	E							1				IFICATIO	
											1				cation shown o	
				351.06		. 1					.88				s of actual sur	
SA	LADO DR	AW FIELD	RULES	5,35							359				vision, and tha	
				¥ 5.							E 5	same is tru	ie ana cori		best of my bel	
CORNE	ER COORD	INATES TAB	LE (NAD 27)	00.23.10					1		3.21	2.8-2	2011	aT	L. LASTRA	
Α-	- Y=38265	2.25, X=71	1907.34	12	2	3-			-		51	Date of Surv	су	18/	J MEX	6
II .		0.57, X=71		Z					Perf		S	Signature and	d Seal of Pro	lessional Sur	veror:	1
		3.82, X=71 2.12, X=71		1		:			MD 92	98' FWL 28')	1 1		. (1 2	23006	1
				11							1 1		1	9-9	2-2911	1.1
				-			1.				17			TO A	1/2	8
				1			260'				1 1	2300	10 1	NACAS.	SUN SEURY	A
				EL	_2603'		-1-		_		1	Certificate Nu	mber			T
				60	ALL C			D. S 89	°38'32	" W 5,313	.29				1	/

District I	Hobbs NM X	8740			State	of Ne	w Me	exico				Form C-10	2
Phone. (575) 393-(5161 Fax: (575	393-0720	3 OCTOTES	y, Mi	nerals &	Natura	Revised August 1, 2011						
811 S. First St., Ar	tesia, NM 8821	BB	30000	OIL	CONSE	RVA	TION	DIVISION	1		Submit o	one copy to appropriat	
District III	283 Pax: (73	OBP	-17 1		1220 So	ith St	Fran	ncis Dr				District Offic	e
Phone: (505) 334-6 District IV	oad, Aztec, NN 5178 Fax: (505)	334-6 70 6	4 20.		Santa						1	AMENDED REPORT	Γ
1220 S St. Francis Phone: (505) 476-3	Dr., Santa Fe, 1 8460 Fax: (505)	NM 87505) 476-3462	WELL LO								11 /1	3 Axilled	,
		REC	WELL LO	CATI	ON AND	ACR	EAG	E DEDICA	TIC	ON PLAT	Γ	30 y jacoure	
7	API Num	iber :	- Ch	² Pool (ode					³ Pool Nan		0.	1
30-0	25-4 ty Code	13461	19	15	~ 0	Toperty	NNI	NGS:U	ρρι	er Bun	Je SPRIA	og ShALE	
-7	1068					VE 23 F		, ,	,			2H	
7OGR	ID No.					perator	_					9 Elevation	
4	323				CHEVE	RON U.	S.A. IN	C.				3122'	
					10 Sun	face I	Locat	ion					
UL or lot no.	Section	Township	Range		Lot Idn	Feet f	rom the	North/South lin	e Fe	et from the	East/West l	ine County	
N	23	26 SOUTH	32 EAST, N.A	И.Р.М.		26	0'	SOUTH		2628'	WEST	LEA	
			" Bott	om F	lole Loca	tion If	Diffe	erent From	Sur	face			
UL or lot no.	Section	Township	Range		Lot Idn	Feet fre	om the	North/South line	Fee	et from the	East/West li	ine County	
С	14	26 SOUTH	32 EAST, N.N	-		12	.8'	NORTH		2585'	WEST	LEA	
Dedicated A	cres '' Join	it or Infill	¹⁴ Consolidation C	ode	Order No.								
JAC													
	le will be	assigned to	this completi-	on unti	I all interes	ts have	been o	consolidated o	r a n	on-standard	d unit has bee	en approved by the	
division						1							
16				1777	A 2500	1110	B'N 8	9°38'27" E 5,310.	.52'	17 OP	ERATOR C	ERTIFICATION	
SD WE 23 FED	P25 2H WELL	ТОР	PERF POINT	E	2585	28' _			1	Thereby certify	that the information co	ontained herein is true and complete	ě.
H	3,257 NAD 2	100	713,206 NAD 27	E		72			13			, and that this organization either	
Y= 372 LAT. 32.02	2,222 1486	Y= LAT. 3:	372,531 2.022336	-			Botto	om Perf Point -	14			nineral interest in the land including has a right to drill this well at this	
LONG. 103.64		LONG. 10	THE RESERVE AND ADDRESS OF THE PARTY OF THE	1		1		NL, 2589' FWL ID 18,921')	18.			n owner of such a mineral or	
11	4,444 NAD8 2,279	33 X= Y=	754,394 NAD83 372,588	4!			(1)	10 10,921)	338.	working interes	t, or to a voluntary poo	oling agreement or a compulsory	
LAT. 32.02	21611	LAT. 3	2.022461	2					E 5,	pooling order h	eretofore entered by th	ne division.	
LONG. 103.64 ELEVATION +3		LONG. 10	3.645868	47.4	14				32"	ATMUS	E Penike	8 hm 108 63 to	
воттом ре		ACTUAL BOT	TOM HOLE LOCATION	W 5,3					00.50	Signature		Date	-2
	3,170 NAD 2		713.165 NAD 27	00°09'25" W					S	DENI	Se P11	NKerton	
Y= 382 LAT. 32.04	2,296 9179	Y= LAT. 3	382,532 2.049828	.60.0		1			1	Printed Name			
LONG. 103.64		LONG. 10	AND DESCRIPTION OF THE PARTY OF	Z					1	Leat	se sale	Cherran.Co.	n
H	4,357 NADE 2,353	33 X= Y=	754,352 NAD83 382,589	E		ı			1	E-mail Address			
LAT. 32.04 LONG. 103.64		LA ⁺ . 3: LONG. 10:	2.049953	-	_				+1	aCI IDVI	EVOD CEI	RTIFICATION	
LONG. 103.64	3700	LONG. 10.	3.043/30	Fi		1			1			ell location shown on this	
				19		-			100			notes of actual surveys	
ISA	I ADO DR	AW FIELD	RULES	151					359.88	made by me	or under my su	upervision, and that the	
07	ICADO DI	THE PLANT OF THE PARTY OF THE P	ROLLO	V 5,		1			S	same is true	and correct to	the best of my belief.	
CORNE	ER COORD	INATES TAB	E (NAD 27)	10.		1			11 E	00.	2011/	RT L. LASTRA	
II .		2.25, X=71		N 00°23'10" W 5,351.06		l			13.6	Date of Surve	2010	the best of my belief. LASTRAD	
11		0.57, X=71		Z					S 00		Seal of Professiona	al Surveyor:	1
H		3.82, X=71		1		I		p Perf Point SL, 2580' FWL	13			(23006)	1
D.	- T=3/196	2.12, X=71	3281.04	EI		1	1	MD 9,144')	13		10	2-22-2017	
				1			/	<u></u>	1		2	11/000	1
				6		.09	/		11	000-	VI-TI	STORES !	

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>
811 S. First SL, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
<u>District III</u>
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
<u>District IV</u>
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resome Energy
OIL CONSERVATION DIVISION
1220 South St. Francis DAUG 2 1 2017

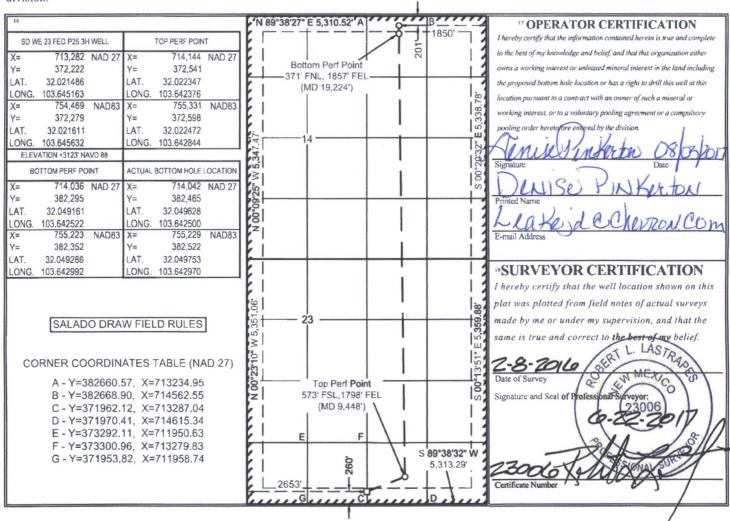
Santa Fe, NM 87505 **RECEIVED**

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

Mamended Report
11 Q5 Axilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

3)70(8 SD WE 23 FED P25 OGRID No. Operator Name 'El	3H levation											
OGRID No. Operator Name PER STATE OF THE PROPERTY OF THE PRO	levation											
1/773												
//373	11221											
4560 CHEVRON U.S.A. INC.	3123'											
□ Surface Location												
UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line	County											
N 23 26 SOUTH 32 EAST, N.M.P.M. 260' SOUTH 2653' WEST	LEA											
" 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											
B 14 26 SOUTH 32 EAST, N.M.P.M. 201' NORTH 1850' EAST	LEA											
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.												



District I 1625 N. French Dr., Hobbs, N.M. 88240		State	of New Me	exico			Form C-102	
Phone: (575) 393-6161 Fax: (575) 393-0720	OBBS R. S	Amerals &	Natural Re	sources Depa	artment		ised August 1, 2011	
811 S. First St., Artesia, NM 88210	DEC 0 5 2016	IL CONSE	RVATION	DIVISION	HOBBS OCE	Submit one	copy to appropriate	
Phone: (575) 748-1283 Fax: (575) 748-9720 District III	DEC 0 5 2016	1220 So	uth St. Frai	ncis Dr			District Office	
1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170		1220 00	Fe, NM 8	icis Di.	SEP 2 1 201	S DIAN	MENDED REPORT	
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	RECEIVE	D	i i c, ivivi o	7505	OLI B			4
Phone: (505) 476-3460 Fax: (505) 476-3462					ororn/en		13 drilled)
	WELL LOCA	TION AND	ACREAC	E DEDICAT	TIONPEGETVED			
30-026-4280	2 Po	ol Sode	-		3 Pool Name		Shala	
Property Code	0- 11105	00	Denni	igs; Upp	per bonie:	JOIILA	Share	l
3/527/			Property Name WE 23 FED P5				1H	
OGRID No.			Operator Name				*Elevation	
4323		CHEV	RON U.S.A. IN	IC.			3157'	
		10 Su	rface Locat	ion				1
UL or lot no. Section Township	Range	Lot Idn	Feet from the	North/South line	Feet from the E	ast/West line	County	
M 14 26 SOUT	H 32 EAST, N.M.P.M	И.	10'	SOUTH	648'	WEST	LEA	
	" Bottom	Hole Local	ion If Diffe	erent From S	urface			1
UL or lot no. Section Townshi	Range	Lot Idn	Feet from the	North/South line	Feet from the B	st/West line	County	ı
M 23 26 SOUT	H 32 EAST, N.M.P.N	1.	280'	SOUTH	330'	WEST	LEA	
12 Dedicated Acres 13 Joint or Infill	14 Consolidation Code	15 Order No.	2001		2/-11	11/29/21	216 - 1	2
1160			209		364	nited	Penkey on	ı
No allowable will be seen at	45.	411 111 1		1:1.4.1				H
No allowable will be assigned division.	o this completion ut	itii ali interest	s nave been c	onsolidated of a	non-standard unit	ias been app	proved by the	
arrioron.				****				
16					1		TIFICATION	
SD WE 23 FED PS 1H WEL							d herein is true and complete hat this organization either	
X= 711,242 NA							interest in the land including	
Y= 377,312					the proposed bottom hol	location or has a	right to drill this well at this	ı
LAT. 32.035512 LONG. 103.651639					location pursuant to a co	ntract with an own	er of such a mineral or	ŀ
X= 752,430 NA	D83				1		reenent or a compulsory	ļ.
Y≈ 377,369 LAT. 32.035637			14		pooling order heretofore	ritered by the divisi	00.	
LONG. 103.652109	_				Lindy No	nera-1	Mullo 4271	15
ELEVATION +3157' NAVD 8	8				Signature		Murillo sacheuroncon	ı
	A	В			Linas He	rera-	Murillo	H
PROPOSED BOTTOM HOL	E				A I	./1	1	1
X= 710.959 NA Y= 372,228	D 27	10.		İ	Cherreran	MUPILLE	sa Cheuron Con	
LAT. 32.021541	64	8.		1	D-Itlatt Attaces			
LONG. 103.652658 X= 752,146 N/	(D83) C	0			"SURVEYO	R CERT	IFICATION	
X= 752.146 N/ Y= 372.285	1003		Proposed Firs	Take Point		7	cation shown on this	
LAT. 32.021666	1 1	88	330' FNL, 6		plat was plotted fi	om field note	es of actual surveys	
LONG. 103.653127	→ 片	1808			made by me or un	ler my super	vision, and that the	
	£ 1	W 5.			same is true and o	orrect to the	hest of my helief.	
CORNER COORDINATES TAE	1 E (NAD 27)	24.		- 1	16.29.10	1	DANIE	I
A - Y=378633.33, X=710		15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23		Date of Survey	· Mr.		
B - Y=378643.30, X=711	Se I	Solution	Ī		Signature and Syl of	rucssional Sa	H WET CHE	
C - Y=377296.47, X=710	L '	Bugu			W-	1	10000	
D - Y=377306.99, X=711 E - Y=371945.53, X=710	630.44	E I	1			121	130/8	1
F - Y=371953.82, X=711	958.74		Proposed Last			12/		
	958.74 364	11 1 1	330' FSL, 3	33' FWL	V I	TO PO	15078 S	
	-76	4 1 5	30		Certifiente Number	-	7 E331UM	
	E	ute F			1775	074		
						-		1

District 1 1625 N. French Dr.,	, Hobbs, N	IM 882/	10				St	tate o	of Ne	w Me	exico		OFD 9	1 2015		Form C-10	
District 1 1625 N. French Dr., Phone: (575) 393-6 District II 811 S. Finst St., Arte	161 Fax:	(575) 39	HOB	BSED	rgy	Mi	nerals	8 1	Vatura	al Res	sourc	es Depa	artment *	C1		sed August 1, 201	
811 S First St , Arte Phone: (575) 748-11	esia, NM 8 283 Fax: (88210 575) 74				OIL	CON	ISEI	RVA	TION	DIV	ISION	net	EIVED	omit one	copy to appropriate District Office	
District III 1000 Rio Brazos Ro	оад, Алес,	, NM 87	DEC	0 5 2016	ĵ		1220	Sou	th St	. Fran	icis I	Or.	#«E	olal V Sale	11		
Phone: (505) 334-6 District IV							S	anta	Fe, N	M 87	7505				AM	IENDED REPORT	
1220 S. St. Francis Phone: (505) 476-36	Dr., Santa 460 Fax: (:	Fe, NM 505) 47	6-3462	EIVE											"Q3,	Delled	"
				WELL I	LOC	CATI	ON A	AND	ACE	EAG	E DE	EDICAT	TION PLA	ATTA			
30.0	API 1			3 9	70	Pool C	ode		T	210.0	100	. 110	Pool	Name ANI = 4	C 001	a Shala	
⁴ Proper			100		10	100		, b	roperty	Name	740	, UP	per D	DIVE	Shri	Werl Number	-
319	27	7/						SD V	VE 23 F	FED P5						2Н	
U'OGRI	ID No.	•					0		perator					1		*Elevation	
CHEVRON U.S.A. INC. 3156' Surface Location											3156						
UI. or lot no.	Sect	tion T	ownship	Ran	ge			ot Idn		from the	_	h/South line	Feet from the	East	/West line	County	
М	14	2	6 SOUTH	32 EAST,	N.M.	P.M.			1	0'	SC	OUTH	698'	w	EST	LEA	/
				n F	otto	m H	lole L	ocat	ion If	Diffe	erent	From S	urface				
UL or lot no.	Sect	ion	Township	Ran	gc		L	ot ldn		/	North	South line	Feet from the	East	West line	County	
M	23		6 SOUTH	32 EAST,	_				28		SC	HTUC	990'	W	EST	LEA	
Dedicated A	cres	Joint	or Infill	⁴ Consolidati	on Co	de	Order 1	No.	20	13			1066	, R	11-64	2016	7
160		_												OVS	Moe	SINKERTO	n
No allowabl division.	e will	be as	ssigned to	this comp	letion	until	all int	erests	have	been co	onsoli	dated or a	non-stand	ard unit has	been app	roved by the	
ln ln									the State of				1 11	DDD 4 70	D OPPO	CIPICATION .	7
				_		ĺ							B4			CIFICATION d herein is true and complete	
	SDW	E 23 FE	D P5 2H WELL								- }		to the hest of	fun knowledge d	nd helief, and th	at this organization either	
	X= Y=		11,292 NAD 2 77,312	27									owns a working interest or totleased mineral interest in the land including the proposed hottom hole location or has a right to drill this well at this				
	LAT.	32.0	35512								1		1			rr of such a mineral or	
1 1	LONG.		51478 52,480 NADE	13									working in	erest, or to a volu	nary pooling ag	reement or a computsory	
i i	Y= LAT.		77,369 35637	1					1	4			pooling and	er heretofore enk	red by the divis	ion A . I	
1	LONG.	103.6	51947						ĺ		- 1		Center	Hone	ne-M	willo 4.	2745
Į l	ELEV	ATION -	-3156' NAVD 88	_									Signature	11-		Date	
				_	Α			В					Primad No	y HEM	era-	Murillo Ocheuron.	-1
		LOC	BOTTOM HOLE										Chan	SO M WA	.01110	acho m	1
	X= Y=		11,619 NAD 2 72,232	27			-10				1		E-mail Add	ress	טוווט	WORKSTON.	SPILL
	LAT. LONG.		21541			698'		_									
1	X=	75	2,806 NAD	83	С	-	-	D					II .			IFICATION	
	Y= LAT.		72,289 21666			5 090.74	113			sed Firs						cation shown on this	
l	LONG.	103.6	50997							O THE,	10 1 W		N .		•	es of actual surveys vision, and that the	
						H-BC-OV	111						1			hest of my helief.	
				- 4145 07		1									1	DANIE	
			ATES TABLE				111		2	3			10.2	1114	241.3	WE CO	-
1			33, X=71059 30, X=71192			Interval	11						Signature a	rvey and Scal of Pro	Ess Oct Sa	WET CE	
			47, X=71059			In Bu	11 3		İ							5079	
			99, X=71192 53, X=71063			oducing	13							7		181	
F	- Y=37	1953.8	32, X=71195	8.74		d pe	In ?				T		1	X	- Jan		
				1061	ò	sodo		/		sed Last 0' FSL, 9					PROF	SSIONAL	_{
				99	0'_ E	- la	4	E					Certificate	Technol		5078 CSSIONAL SUFFERENCE SERVICE SERVI	
					E	"	1	-						4	547	5	
													4				

					*	
District	OCD SI	ate of New M	[exico			Form C-102
District 1625 N. French Dr., Hubbs, NM 88240 1625 N. French Dr., Hubbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0726 B				artment	Revise	ed August 1, 2011
District II 811 S. First St., Artesia, NM 88210	nergy, Minerals	ICEDVATIO	N DIVISION		Submit one co	ppy to appropriate
Phone: (575) 748-1283 Fax: (575) 748-9720 District III	1 TO FOIL COL	SERVATIO	A DI VISIO	BS OC		District Office
1000 Rio Brazos Road, Aztoc. NM 87410	7 20 6 IL COM	South St. Fra	ancis Dr."		(
Phone: (505) 334-6178 Fee: (505) 334-6170 <u>District IV</u>	EINERS	anta Fe, NM 8	37505 FF	B 2 9 2016	AME	ENDED REPORT
1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fee: (505) 476-3462			1.0		11/1	5 Avelled
WEL	L LOCATION A	ND ACREA	GE DEDICA	TIONERWAT	D	o ryunare
API Number	Popl Coden	4	1 7	- Street Change or Co	9 - 100-	. 1
30-021-43088	11838	Demi	nas: Up	per 1301	IE SPRIM	16. Shale
⁴ Property Code		Property Name			• w	ell Number
316011		SD WE 23 FED P	7			3H
17 OGRID No.	1000	* Operator Name				Elevation
7325		HEVRON U.S.A. I				3165'
		Surface Loca				
		ot Idn Feet from th			East/West line	County
	ST, N.M.P.M.	215'	SOUTH	673'	EAST	LEA
	Bottom Hole L		Y			
	lange Lo	it Idn Feet from the	North/South line	Feet from the	East/West line	County
	ST, N.M.P.M.	180	SOUTH	990'	EAST	LEA /
12 Dedicated Acres 13 Joint or Infill 14 Consolid	lation Code 15 Order N	o. 100°		ara	A	10/04/4016
1001		109		428	NINA	selfin Her to
Y= 377,548 LAT. 32.036092 LONG. 103.638709 X= 756,435 NAD83 Y= 377,605 LAT. 32.036217 LONG. 103.639178 ELEVATION +3165 NAVO 88 PROPOSED BOTTOM HOLE LOCATION X= 744.953 NAD 27 Y= 372,153 LAT. 32.021265 LCNG. 103.639772 X= 756,140 NAD83		14	A 55 57 57 57 57 57 57 57 57 57 57 57 57	bocation persuant territories for the profits order he signment the profits of the profits order he signment the profits of th	to a controct with an owner or to a voluntary pooling age reposers entered by the divided of the control of the	of such a mineral or reament or a comprehery Live 20073-15 Murillo O O Cheuran . Co
Y= 372,210	Propos	ed First Take Point -	150	7	tify that the well loca	
LAT. 32 021390 LCNG. 103.640241		FNL, 705 FEL	403.75	plat was plot	tted from field notes	of actual surveys
and, resemble				made by me	or under my supervis	ion, and that the
		1	40.W	ame is true	and correct to the be	
CORNER COORDINATES TABLE (NAD 2	7)		03.07	12.24.	15 13.	DANIE
A - Y=378663.24, X=714583.23		23	1 8	Date of Survey	A A	MELLE
B - Y=378673.21, X=715914.07			its val	Signature au S	sent of Potession Avec	18/2
C - Y=377328.02, X=714590.12			ا ا	14	 3 1	5078
D - Y=377338.54, X=715922.04 E - Y=371970.41, X=714615.34	200	1002	्री, है।	1		9078
F - Y=371978.70, X=715943.63	1		1 3	1	THE C	181
	Bronne	d Last Take Point	990' 1 8	4	10	- 5
					Pan	AMOUNT
		FSL, 981' FEL	1 2 2	Contraction	PROF	53510MN-308

Phone: (575) 393-6161 Fax: (575) 393-0720 District []	EIVED	CONSE 1220 Sou Santa	ith St. Fra Fe, NM 8	esources Dep N DIVISION ncis Dr. 7505 F	BBS O	Submit one of	Form C-102 sed August 1, 2011 copy to appropriate District Office ENDED REPORT
	WELL LOCATI	ON AND	ACREAG	E DEDICA	TION PLAT	<u> </u>	
Property Code	9183	8	Jenn Toperty Name	ings; Up	per Bo		ING Shale
316011			VE 23 FED P7				4H
112 OGRID No.			perator Name				Elevation
4025			face Locat	***************************************			3165'
UI. or lot no. Section Township	Range	Lot Idn	Feet from the		Feet from the	East/West line	County
P 14 26 SOUTH	32 EAST, N.M.P.M.		215'	SOUTH	623'	EAST	LEA
	" Bottom H	lole Locat	ion If Diff	erent From S	Surface		
UL or lot no. Section Township	Range	Lot Idn		North/South line	/	East/West line	County
P 23 26 SOUTH	32 EAST, N.M.P.M. Consolidation Code 15	Order No.	180'	SOUTH	33,0°	EAST	LEA,
160	Consolidation Code	Older No.	102'		301	Denise	Pickerton
No allowable will be assigned to	this completion unti	I all interest	s have been o	consolidated or	a non-standar	d unit has been ap	proved by the
division.							
16					H	ERATOR CERT that the information contains	
SD WE 23 FEO P7 4H WELL	7				1	knowledge and belief, and t	
X= 715,298 NAD 2 Y= 377,549	27					interest or unleased minera	
LAT. 32,036092						ttom hole location or has a r nt to a contract with an own	
LONG. 103.638548 X= 756,485 NAD8	3					t, or to a voluntary pooling u	
Y= 377,606 LAT. 32,036217			14		pooling order he	1	1
LONG. 103.639017	1				Signature (Nenne-11	Includ 13 -15
ELEVATION +3165' NAVO 88	١ ١					Herrera-N	weilla !
PROPOSED BOTTOM HOLE	, <u> </u>			A	B Printed Name	BIGGI	(011110
1.0CATION X= 715,613 NAD 2	77			215	Chorca	ramurillo	D cheuron, com
Y= 372,157 LAT. 32.021265				1062	E-mail Address		
LONG. 103.637643	_		0711 68	T		YOR CERTI	FICATION
X= 756,800 NAD8 Y= 372,214	13	Proposed Firs	t Take Point		POKAT	tify that the well loc	
LAT. 32.021390 LONG. 103.638111		330° FNL,		401.18	7	tted from field notes	
					1	or under my superv	
	.			03.20.42	same is true	and correct to the	DANIE!
CORNER COORDINATES TABL				18 8	Date of Survey	12 34	ME ME
A - Y=378663.24, X=71450 B - Y=378673.21, X=71591		1 1 1 1	23	1 1 1	Signatury and	Seal o Prifession II	(S)
C - Y=377328.02, X=71459				1 18	1	Seal o Policisional Sur	15078
D - Y=377338.54, X=71592 E - Y=371970.41, X=71461			NA ACT	David I	1/	131	
F - Y=371978.70, X=71594		Proposed Last	Take Poice	E E	1(ノ	TO .	189
		330' FSL, 3		330	1	- A	15078 S
					Certificate Num	15070	
					4	1010	

RECEIVED:	REVIEWER:	TYPE:	APP NO:	
	- Geologi	ABOVE THIS TABLE FOR OCCI CO OIL CONSERV Cal & Engineering rancis Drive, Sant	ATION DIVISION g Bureau –	
		RATIVE APPLICAT		
THIS	CHECKLIST IS MANDATORY FOR A REGULATIONS WHICH R	ALL ADMINISTRATIVE APPLIC EQUIRE PROCESSING AT TH		
Applicant <u>: CHE</u>				RID Number: <u>4323</u>
	NE 14 FEDERAL P5 #11			30-025-42800
OOI: UPPER WO	LFCAMP/BONE SPRIN	<u>IG</u>	P00	Code: <u>98065/97838</u>
SUBMIT ACCUR	ATE AND COMPLETE IN	FORMATION REQUINDICATED BELO		THE TYPE OF APPLICATION
A. Location	ICATION: Check those 1 – Spacing Unit – Simu NSL	Itaneous Dedicatio	-]sd
[1] Com [one only for [1] or [11] Imingling – Storage – N DHC	PLC PC (ure Increase – Enh	- -	ery FOR OCD ONLY
A. Offse B. Roya C. Appli D. Notifi E. Notifi F. Surfa G. For a	N REQUIRED TO: Check toperators or lease ho lty, overriding royalty of cation requires publish cation and/or concurr cation and/or concurr ce owner I of the above, proof of otice required	lders owners, revenue ov led notice ent approval by SI ent approval by B	vners LO LM	Notice Complete Application Content Complete
administrative understand the	N: I hereby certify that a approval is accurate nat no action will be to are submitted to the Di	and complete to ken on this applic	the best of my kr	
N	ote: Statement must be compl	eted by an individual with	h managerial and/or s	upervisory capacity.
			06/14/2023	
Cindy Herrera-Muri	lo		Date	
Print or Type Name			575-263-0431	
			Phone Number	er
Cindy Herrera Signature	-Murillo		eeof@chevror e-mail Addres	

From: McClure, Dean, EMNRD on behalf of Engineer, OCD, EMNRD

To: Van Curen, Jennifer; Herrera-Murillo, Cindy O; Adler, Carol; Harrison, John [Alltech Systems]

Cc: McClure, Dean, EMNRD; Kautz, Paul, EMNRD; Wrinkle, Justin, EMNRD; Powell, Brandon, EMNRD; Paradis, Kyle O; Walls,

Christopher

Subject:Approved Administrative Order PC-1384-ADate:Friday, September 22, 2023 9:22:29 AM

Attachments: PC1384A Order.pdf

NMOCD has issued Administrative Order PC-1384-A which authorizes Chevron USA, Inc. (4323) to surface commingle or off-lease measure, as applicable, the following wells:

30-025-42800 SD WE 14 Federal P5 #1H W/2 W/2 14-26S-32E 97838 30-025-42801 SD WE 14 Federal P5 #2H W/2 W/2 14-26S-32E 97838 30-025-42802 SD WE 23 Federal P5 #1H W/2 W/2 23-26S-32E 97838 30-025-42803 SD WE 23 Federal P5 #2H W/2 W/2 23-26S-32E 97838 30-025-43086 SD WE 14 Federal P7 #3H E/2 E/2 14-26S-32E 97838 30-025-43087 SD WE 14 Federal P7 #4H E/2 E/2 14-26S-32E 97838 30-025-43088 SD WE 23 Federal P7 #3H E/2 E/2 23-26S-32E 97838 30-025-43089 SD WE 23 Federal P7 #4H E/2 E/2 23-26S-32E 97838 30-025-43640 SD WE 15 Federal P9 #5H W/2 E/2 15-26S-32E 97838 30-025-43641 SD WE 15 Federal P9 #6H W/2 E/2 15-26S-32E 97838 30-025-43642 SD WE 15 Federal P12 #1H W/2 W/2 15-26S-32E 97838 30-025-43594 SD WE 15 Federal P12 #3H E/2 W/2 15-26S-32E 97838 30-025-43595 <td< th=""></td<>
30-025-42802 SD WE 23 Federal P5 #1H W/2 W/2 23-26S-32E 97838 30-025-42803 SD WE 23 Federal P5 #2H W/2 W/2 23-26S-32E 97838 30-025-43086 SD WE 14 Federal P7 #3H E/2 E/2 14-26S-32E 97838 30-025-43087 SD WE 14 Federal P7 #4H E/2 E/2 14-26S-32E 97838 30-025-43088 SD WE 23 Federal P7 #3H E/2 E/2 23-26S-32E 97838 30-025-43089 SD WE 23 Federal P7 #4H E/2 E/2 23-26S-32E 97838 30-025-43640 SD WE 15 Federal P9 #5H W/2 E/2 15-26S-32E 97838 30-025-43641 SD WE 15 Federal P9 #6H W/2 E/2 15-26S-32E 97838 30-025-43642 SD WE 15 Federal P9 #7H W/2 E/2 15-26S-32E 97838 30-025-43613 SD WE 15 Federal P12 #1H W/2 W/2 15-26S-32E 97838 30-025-43594 SD WE 15 Federal P12 #3H E/2 W/2 15-26S-32E 97838 30-025-43602 Kiehne Ranch 15 26 32 USA #1H W/2 W/2 15-26S-32E 97838 30-025-45867
30-025-42803 SD WE 23 Federal P5 #2H W/2 W/2 23-26S-32E 97838 30-025-43086 SD WE 14 Federal P7 #3H E/2 E/2 14-26S-32E 97838 30-025-43087 SD WE 14 Federal P7 #4H E/2 E/2 14-26S-32E 97838 30-025-43088 SD WE 23 Federal P7 #3H E/2 E/2 23-26S-32E 97838 30-025-43089 SD WE 23 Federal P7 #4H E/2 E/2 23-26S-32E 97838 30-025-43640 SD WE 15 Federal P9 #5H W/2 E/2 15-26S-32E 97838 30-025-43641 SD WE 15 Federal P9 #6H W/2 E/2 15-26S-32E 97838 30-025-43642 SD WE 15 Federal P12 #1H W/2 W/2 15-26S-32E 97838 30-025-43613 SD WE 15 Federal P12 #1H W/2 W/2 15-26S-32E 97838 30-025-43594 SD WE 15 Federal P12 #2H W/2 W/2 15-26S-32E 97838 30-025-43595 SD WE 15 Federal P12 #3H E/2 W/2 15-26S-32E 97838 30-025-40602 Kiehne Ranch 15 26 32 USA #1H W/2 W/2 15-26S-32E 97838 30-025-45867
30-025-43086 SD WE 14 Federal P7 #3H E/2 E/2 14-26S-32E 97838 30-025-43087 SD WE 14 Federal P7 #4H E/2 E/2 14-26S-32E 97838 30-025-43088 SD WE 23 Federal P7 #3H E/2 E/2 23-26S-32E 97838 30-025-43089 SD WE 23 Federal P7 #4H E/2 E/2 23-26S-32E 97838 30-025-43640 SD WE 15 Federal P9 #5H W/2 E/2 15-26S-32E 97838 30-025-43641 SD WE 15 Federal P9 #6H W/2 E/2 15-26S-32E 97838 30-025-43642 SD WE 15 Federal P9 #7H W/2 E/2 15-26S-32E 97838 30-025-43613 SD WE 15 Federal P12 #1H W/2 W/2 15-26S-32E 97838 30-025-43594 SD WE 15 Federal P12 #2H W/2 W/2 15-26S-32E 97838 30-025-43595 SD WE 15 Federal P12 #3H E/2 W/2 15-26S-32E 97838 30-025-45867 SD 14 23 Federal P18 #9H W/2 W/2 15-26S-32E 97838 30-025-45867 SD 14 23 Federal P18 #9H W/2 W/2 14-26S-32E 97838
30-025-43087 SD WE 14 Federal P7 #4H E/2 E/2 14-26S-32E 97838 30-025-43088 SD WE 23 Federal P7 #3H E/2 E/2 23-26S-32E 97838 30-025-43089 SD WE 23 Federal P7 #4H E/2 E/2 23-26S-32E 97838 30-025-43640 SD WE 15 Federal P9 #5H W/2 E/2 15-26S-32E 97838 30-025-43641 SD WE 15 Federal P9 #6H W/2 E/2 15-26S-32E 97838 30-025-43642 SD WE 15 Federal P9 #7H W/2 E/2 15-26S-32E 97838 30-025-43613 SD WE 15 Federal P12 #1H W/2 W/2 15-26S-32E 97838 30-025-43594 SD WE 15 Federal P12 #2H W/2 W/2 15-26S-32E 97838 30-025-43595 SD WE 15 Federal P12 #3H E/2 W/2 15-26S-32E 97838 30-025-40602 Kiehne Ranch 15 26 32 USA #1H W/2 W/2 15-26S-32E 97838 30-025-45867 SD 14 23 Federal P18 #9H W/2 W/2 14-26S-32E 98065
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30-025-45867 SD 14-23 Federal P18 #9H 98065
50-025-4500/ 5D 14 25 rederal P10 #9H
W/2 W/2 23-26S-32E
20 025 45910 SD 14 22 Federal D19 #1011 W/2 W/2 14-26S-32E
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30-025-45820 SD 14 23 Federal P18 #11H E/2 W/2 14-26S-32E 98065
30-025-45820 SD 14 23 Federal P18 #11H E/2 W/2 23-26S-32E 98065
20 025 45921 SD 14 23 Federal D19 #1211 E/2 W/2 14-26S-32E 09065
30-025-45821 SD 14 23 Federal P18 #12H E/2 W/2 23-26S-32E 98065
30-025-45706 SD 14 23 Federal P19 #17H W/2 E/2 14-26S-32E 98065
30-025-45/00 SD 14 25 Federal F19 #1/H W/2 E/2 23-26S-32E 98005
30-025-45825 SD 14 23 Federal P19 #18H W/2 E/2 14-26S-32E 98065
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30-025-45826 SD 14 23 Federal P19 #20H E/2 E/2 14-26S-32E 98065
50-025-43626 SD 14 23 Federal 1 19 #2011 E/2 E/2 23-26S-32E 96003
30-025-43460 SD WE 23 Federal P25 #5H E/2 W/2 14-26S-32E 97838
50-025-45400 SD WE 25 Federal F25 #5H E/2 W/2 23-26S-32E 97656
30-025-43461 SD WE 23 Federal P25 #6H E/2 W/2 14-26S-32E 97838
50-025-45401 SD WE 25 Federal P25 #0H E/2 W/2 23-26S-32E 97858
30-025-43462 SD WE 23 Federal P25 #7H W/2 E/2 14-26S-32E 97838
30-025-43402 SD WE 23 Federal F25 #/H W/2 E/2 23-26S-32E 97838
30-025-46726 SD 15 Federal P418 #8H W/2 W/2 15-26S-32E 98065
30-025-46728 SD 15 Federal P418 #9H E/2 W/2 15-26S-32E 98065
30-025-46729 SD 15 Federal P418 #10H E/2 W/2 15-26S-32E 98065

30-025-46730	SD 15 Federal P419 #11H	W/2 E/2	15-26S-32E	98065
30-025-46731	SD 15 Federal P419 #12H	W/2 E/2	15-26S-32E	98065
30-025-46810	SD 15 Federal P419 #13H	E/2 E/2	15-26S-32E	98065
30-025-46732	SD 15 Federal P419 #14H	E/2 E/2	15-26S-32E	98065
30-025-49785	SD 14 23 Federal P343 #421H	W/2	14-26S-32E	97903
30-023-49763	SD 14 23 Federal 1 343 #42111	W/2	23-26S-32E	91903
30-025-49786	SD 14 23 Federal P343 #422H	W/2	14-26S-32E	97903
30-023-49760	SD 14 23 Federal I 343 #42211	W/2	23-26S-32E	91903
30-025-49787	SD 14 23 Federal P343 #423H	W/2	14-26S-32E	97903
30-023-49707	SD 14 23 Federal 1 343 #42311	W/2	23-26S-32E	71703
30-025-49788	SD 14 23 Federal P344 #424H	E/2	14-26S-32E	97903
30-023-49700	SD 14 25 Federal I 344 #42411	E/2	23-26S-32E	91903
30-025-49789	SD 14 23 Federal P344 #425H	E/2	14-26S-32E	97903
30-023-49769	SD 14 25 Federal I 344 #42511	E/2	23-26S-32E	91903
30-025-49790	SD 14 23 Federal P344 #426H	E/2	14-26S-32E	97903
3U-U43- 4 777U	5D 14 25 FEUCIAI I 344 #420H	E/2	23-26S-32E	71703

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

<u>District I</u> 1625 N. French Drive, Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

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

co Form C-107-B purces Department Revised August 1, 2011

OIL CONSERVATION DIVISION

1220 S. St Francis Drive Santa Fe, New Mexico 87505 Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICA	ATION FOR SURFACE	COMMINGLING	(DIVERSE O	OWNERSHIP)		
OPERATOR NAME:	Chevron USA Inc					
OPERATOR ADDRESS:	6301 Deauville Blvd Midland	, TX 79706				
APPLICATION TYPE:						
Pool Commingling Lease	Pool Commingling Lease Commingling Dool and Lease Commingling Off-Lease Storage and Measurement (Only if not Surface Commingled)					
LEASE TYPE: Fee State Federal						
Is this an Amendment to existing Order? Yes \(\) No \(\) If "Yes", please include the appropriate Order No. \(\) PC-1384 Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling \(\) Yes \(\) No \(\) BLM only. No State minerals.						
		OL COMMINGLING ts with the following in				
(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes	
Upper Wolfcamp (98065)	48.6 API/2200 BTU	COMMINGLED GRAVITY/		N/A		
Jennings Upper Bone Spring (97	7838) 45.6 API/2200 BTU	BTU CONTENT 47 API/ 2200 BTU				
(2) Are any wells producing a	at top allowables? ☐Yes ☒No					
	Metering X Other (Specify) Well se the value of production? Yes		be why comminglin	ng should be approved		
		SE COMMINGLIN				
Please attach sheets with the following information (1) Pool Name and Code. (2) Is all production from same source of supply?						
(C) POOL and LEASE COMMINGLING						
Please attach sheets with the following information						
(1) Complete Sections A and	(1) Complete Sections A and E.					
	(D) OFF-LEASE STORAGE and MEASUREMENT Please attached sheets with the following information					
(1) Is all production from sam	11.	lo				
(2) Include proof of notice to	all interest owners.					
(E) ADDITIONAL INFORMATION (for all application types) Please attach sheets with the following information						
(2) A plat with lease boundari	acility, including legal location. ies showing all well and facility locat Well Numbers, and API Numbers.			te lands are involved.		
I hereby certify that the informat	tion above is true and complete to the	e best of my knowledge an	d belief.			
SIGNATURE: Cindy H	errera-Murillo T	ITLE: Sr HSE Regulatory	affairs Coordinator	DATE:06/1	14/2023	
TYPE OR PRINT NAME C	indy Herrera-Murillo		TELE	EPHONE NO.: 575-26	63-0431	
E-MAIL ADDRESS: eeof@	@chevron.com					



Chevron North America Exploration and Production Company (A Chevron U.S.A. Inc. Division) 6301 Deauville Blvd Midland, TX 79706

September 1, 2023

Exhibit K - Interest Owner Name & Address/ Proof of Notification / Publication

Interest Owner Names & Addresses:

SD Kiehne Ranch Pad – W/2 W/2 Section 15 (Pool Code: 97838) Well Name: Kiehne Ranch 15 26 32 USA #001H

SD Pad 5 – W/2 W/2 Section 14 (Pool Code: 97838); W/2 W/2 Section 23 (Pool Code: 97838) Well Names: SD WE 14 Federal P5 001H & 002H; SD WE 23 Federal P5 001H & 002H

SD Pad 7 – E/2 E/2 Section 14 (Pool Code: 97838); E/2 E/2 Section 23 (Pool Code: 97838) Well Names: SD WE 14 Federal P7 003H & 004H; SD WE 23 Federal P7 003H & 004H

SD Pad 9 – W/2 E/2 Section 15 (Pool Code: 97838); E/2 E/2 Section 15 (Pool Code: 97838) Well Names: SD WE 15 Federal P9 005H, 006H, 007H

SD Pad 12 – W/2 W/2 Section 15 (Pool Code: 97838); E/2 W/2 Section 15 (Pool Code: 97838) Well Names: SD WE 15 Federal P12 001H, 002H, 003H

SD Pad 18 – W/2 Section 14 & 23 (Pool Code: 98065) Well Names: SD 14 23 Federal P18 009H, 0010H, 0011H, 0012H

SD Pad 19 – E/2 Section 14 & 23 (Pool Code: 98065) Well Names: SD 14 23 Federal P19 0017H, 0018H 0019H, 0020H

SD Pad 25 – E/2 W/2 Section 14 & 23 (Pool Code: 97838) W/2 E/2 Section 14 & 23 (Pool Code: 97838) Well Names: SD WE 23 Federal P25 005H, 006H, 007H

SD Pad 418 – W/2 W/2 Section 15 (Pool Code: 98065); E/2 W/2 Section 15 (Pool Code: 98065) Well Names: SD 15 Federal P418 008H, 009H, 010H

SD Pad 419 – W/2 E/2 Section 15 (Pool Code: 98065); E/2 E/2 Section 15 (Pool Code: 98065) Well Names: SD 15 FEDERAL P419 011H, 012H, 013H, 014H

SD Pad 343 – W/2 Section 14 & 23 (Pool Code: 97903) Well Names: SD 14 23 FEDERAL P343 421H, 422H, 423H

SD Pad 344 – E/2 Section 14 & 23 (Pool Code: 97903) Well Names: SD 14 23 FEDERAL P343 424H, 425H, 426H

Interest	Name	Address	City	State	Zip Code
WI	CHEVRON USA INC	PO BOX 4791	HOUSTON	TX	77210-4791
RI	BUREAU OF LAND MANAGEMENT/ONRR	PO BOX 25627	DENVER	CO	80225-0627
	BUREAU OF LAND MANAGEMENT/ONRR	301 DINOSAUR TR	SANTA FE	NM	87508

APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY

Chevron U.S.A. Inc.

Salado Draw CTB #23 and Satellite #14 and 15

Certified Mailing Numbers:

Name	Certified Mail Number		
Chevron U.S.A. Inc.	N/A		
Bureau of Land Management	7020 1290 0001 5982 3360		
Office of Natural Resource Revenue	7020 1290 0001 5982 3384		

Landman Statement:

All of the wells covered by this commingle application are located on a single Federal lease, being NMNM 118722, and the ownership interest are identical in those wells. In the subject wells, Chevron holds a 100% working interest, the United States of America has a 12.5% royalty interest, and there are no overriding royalty interest owners.

Katelyn Halfey

Land Representative

Harrison, John [Alltech Systems] McClure, Dean, FMNRD

Subject: RE: [EXTERNAL] RE: Action ID: 227587; PC-1384-A Monday, September 11, 2023 8:33:56 PM image001.png Date:

Mr. McClure,

The correct BTU for pool 97903 is 1269 BTU/cuft

From: McClure, Dean, EMNRD < Dean. McClure@emnrd.nm.gov>

Sent: Monday, September 11, 2023 5:04 PM

To: Harrison, John [Alltech Systems] < JohnHarrison@chevron.com>

Subject: [**EXTERNAL**] RE: [EXTERNAL] RE: Action ID: 227587; PC-1384-A

Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button

John,

Please respond to this email with the corrected BTU to make it easier to upload the correspondence for this application as a single email chain.

Dean McClure

Petroleum Engineer, Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department

From: Harrison, John [Alltech Systems] < JohnHarrison@chevron.com>

Sent: Monday, September 11, 2023 3:37 PM

To: McClure, Dean, EMNRD < Dean.McClure@emnrd.nm.gov> Subject: RE: [EXTERNAL] RE: Action ID: 227587; PC-1384-A

Sure enough, I missed those 6.

97903 - 48.4 API / 269 BTU per cuft

John

From: McClure, Dean, EMNRD < Dean.McClure@emnrd.nm.gov>

Sent: Monday, September 11, 2023 3:28 PM

To: Harrison, John [Alltech Systems] < JohnHarrison@chevron.com

Subject: [**EXTERNAL**] RE: [EXTERNAL] RE: Action ID: 227587; PC-1384-A

	email and contents are expected. If there a SD 14 23 Federal P343	W/2	14-26S-32E	
-025-49785	#421H	W/2	23-26S-32E	97903
0.025.40706	SD 14 23 Federal P343	W/2	14-26S-32E	07002
30-025-49786 #422H	#422H	W/2	23-26S-32E	97903
20.025.40505	SD 14 23 Federal P343	W/2	14-26S-32E	97903
30-025-49787	#423H	W/2	23-26S-32E	
0.025.40700	SD 14 23 Federal P344	E/2	14-26S-32E	07002
30-025-49788	#424H	E/2	23-26S-32E	97903
30-025-49789	SD 14 23 Federal P344	E/2	14-26S-32E	07002
	#425H	E/2	23-26S-32E	97903
-025-49790	SD 14 23 Federal P344	E/2	14-26S-32E	97903
1-043-49/90	#426H	E/2	23-26S-32E	9/903

Dean McClure

Petroleum Engineer, Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department

From: Harrison, John [Alltech Systems] < <u>JohnHarrison@chevron.com</u>>

Sent: Monday, September 11, 2023 2:54 PM

To: McClure, Dean, EMNRD < Dean.McClure@emnrd.nm.gov> Subject: RE: [EXTERNAL] RE: Action ID: 227587; PC-1384-A

I thought the comingled pools were both on the revised 107 I sent earlier...

Upper Wolfcamp (98065) - 48.6 API / 2200 BTU

sing the Report Phishing butt

Jennings Upper BS (97838) - 45.6 API / 2200 BTU

Commingled 0 47 API / 2200 BTU.

I may have missed the 97903... running it down for you also...

John

From: McClure, Dean, EMNRD < Dean.McClure@emnrd.nm.gov>

Sent: Monday, September 11, 2023 2:10 PM

To: Harrison, John [Alltech Systems] < JohnHarrison@chevron.com> Subject: [**EXTERNAL**] RE: [EXTERNAL] RE: Action ID: 227587; PC-1384-A

Be aware this external email contains an attachment and/or link.

Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button.

Thank you Sir. I think the only other thing I am needing is the estimated or known gravity and BTU for the production from pool 97903.

Dean McClure

Petroleum Engineer, Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department

(505) 469-8211

From: Harrison, John [Alltech Systems] < JohnHarrison@chevron.com>

Sent: Monday, September 11, 2023 1:04 PM

To: McClure, Dean, EMNRD < Dean.McClure@emnrd.nm.gov>

Subject: [EXTERNAL] RE: Action ID: 227587; PC-1384-A

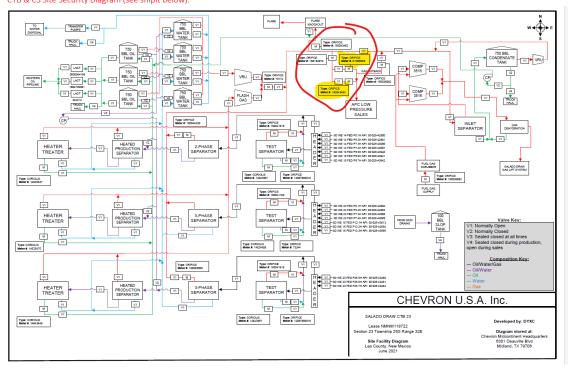
CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. McClure,

Please find attached and included below answers to your additional information request and other associated documents. If you need additional information please advise and I will seek to resolve your request quickly.

Please provide additional information regarding the following:

• Where is the gas sales meter located at for this commingling project? The gas sales meter is located at the CTB 23 facility. Exhibit C – Section 23 CTB $narrative\ describes\ the\ location\ of\ the\ sales\ meter\ in\ the\ paragraph\ titled\ "Gas\ Processing\ \&\ Metering"\ and\ further\ illustrated\ in\ Exhibit\ E-Section\ 23$ CTB & CS Site Security Diagram (see snipit below).



The following 7 wells which were approved under PC-1384 are not included within this proposed commingling project. Was that done purposefully? The following 7 wells were permitted, but never drilled by Chevron. The wells were omitted from the proposed commingle project because we have no future plans to drill these wells.

30-025-43596	SD WE 15 Federal P12 #4H	E/2 W/2	15-26S-32E	97838
20 025 45922	SD 14 23 Federal P18 #13H	W/2 W/2	14-26S-32E	98065
30-025-45822		W/2 W/2	23-26S-32E	

30-025-45823	SD 14 23 Federal P18 #14H	E/2 W/2 E/2 W/2	14-26S-32E 23-26S-32E	98065
30-025-45705	SD 14 23 Federal P19 #15H	E/2 W/2 E/2 W/2	14-26S-32E 23-26S-32E	98065
30-025-45824	SD 14 23 Federal P19 #16H	W/2 E/2 W/2 E/2	14-26S-32E 23-26S-32E	98065
30-025-43463	SD WE 23 Federal P25 #4H	W/2 E/2 W/2 E/2	14-26S-32E 23-26S-32E	97838
30-025-46725	SD 15 Federal P418 #7H	W/2 W/2	15-26S-32E	98065

Regards,

John Harrison

From: McClure, Dean, EMNRD < Dean.McClure@emnrd.nm.gov>

Sent: Friday, September 8, 2023 5:31 PM

To: Herrera-Murillo, Cindy <<u>CHerreraMurillo@chevron.com</u>>; Adler, Carol <<u>caroladler@chevron.com</u>>; Harrison, John [Alltech Systems] <<u>JohnHarrison@chevron.com</u>>

Cc: Van Curen, Jennifer < jennifer.vancuren@chevron.com >

Subject: [**EXTERNAL**] Action ID: 227587; PC-1384-A

Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button

To whom it may concern (c/o Cindy Herrera-Murillo for Chevron USA, Inc.),

The Division is reviewing the following application:

Action ID	227587
Admin No.	PC-1384-A
Applicant	Chevron USA, Inc. (4323)
Title	Salado Draw CTB 23
Sub. Date	8/24/2023

Please provide the following additional supplemental documents:

- An amended form C-107B with the following corrections
 - \circ Pool 97903 should be added including the estimated gravity and btu of the production derived from it.
 - The measurement type should be corrected to indicate that the measurement type is done via well test rather than by metering. Check the box next to "other" and then specify after it.
 - Check the box indicating that this is an amendment to an existing order and indicate that it is an amendment to PC-1384.

Please provide additional information regarding the following:

- Where is the gas sales meter located at for this commingling project?
- The following 7 wells which were approved under PC-1384 are not included within this proposed commingling project. Was that done purposefully?

	30-025-43596	SD WE 15 Federal P12 #4H	E/2 W/2	15-26S-32E	97838
	30-025-45822	SD 14 23 Federal P18 #13H	W/2 W/2	14-26S-32E	98065
			W/2 W/2	23-26S-32E	
	30-025-45823	SD 14 23 Federal P18 #14H	E/2 W/2	14-26S-32E	98065
		SD 14 23 Federal F18 #14H	E/2 W/2	/2 W/2 23-26S-32E 9800	98005
	30-025-45705	SD 14 23 Federal P19 #15H	E/2 W/2	14-26S-32E	98065
			E/2 W/2	23-26S-32E	
	30-025-45824	SD 14 23 Federal P19 #16H	W/2 E/2	14-26S-32E	98065
		SD 14 23 Federal F19 #10H	W/2 E/2	23-26S-32E	98005
	30-025-43463	SD WE 23 Federal P25 #4H	W/2 E/2	14-26S-32E	97838
		SD WE 25 Federal F25 #4H	W/2 E/2	23-26S-32E	
	30-025-46725	SD 15 Federal P418 #7H	W/2 W/2	15-26S-32E	98065

Additional notes:

All additional supplemental documents and information may be provided via email and should be done by replying to this email. The produced email chain will be uploaded to the file for this application.

Please note that failure to take steps to address each of the requests made in this email within 10 business days of receipt of this email may result in the Division rejecting the application requiring the submittal of a new application by the applicant once it is prepared to address each of the topics raised.

Dean McClure

Petroleum Engineer, Oil Conservation Division

New Mexico Energy, Minerals and Natural Resources Department

(505) 469-8211

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATION FOR SURFACE COMMINGLING SUBMITTED BY CHEVRON USA, INC.

ORDER NO. PC-1384-A

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having considered the application and the recommendation of the OCD Engineering Bureau, issues the following Order.

FINDINGS OF FACT

- 1. Chevron USA, Inc. ("Applicant") submitted a complete application to surface commingle the oil and gas production from the pools, leases, and wells identified in Exhibit A ("Application").
- 2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
- 3. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that the ownership in the pools, leases, and wells to be commingled is identical as defined in 19.15.12.7.B. NMAC.
- 4. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.
- 5. Applicant certified the commingling of oil and gas production from the pools, leases, and wells will not in reasonable probability reduce the value of the oil and gas production to less than if it had remained segregated.
- 6. Applicant in the notice for the Application stated that it sought authorization to prospectively include additional pools, leases, and wells in accordance with 19.15.12.10.C.(4)(g) NMAC.
- 7. Applicant stated that it sought authorization to surface commingle and off-lease measure, as applicable, oil and gas production from wells which have not yet been approved to be drilled, but will produce from a pool and lease identified in Exhibit A.

CONCLUSIONS OF LAW

- 8. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, 19.15.12. NMAC, and 19.15.23. NMAC.
- 9. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10.A.(2) NMAC, 19.15.12.10.C.(4)(c) NMAC, and 19.15.12.10.C.(4)(e) NMAC, as applicable.

Order No. PC-1384-A Page 1 of 4

- 10. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9.A.(5) NMAC and 19.15.23.9.A.(6) NMAC, as applicable.
- 11. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.10.B.(1) NMAC or 19.15.12.10.C.(1) NMAC, as applicable.
- 12. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10.B.(3) NMAC and 19.15.12.10.C.(4)(h) NMAC.
- 13. Applicant satisfied the notice requirements for the subsequent addition of pools, leases, and wells in the notice for the Application, in accordance with 19.15.12.10.C.(4)(g) NMAC. Subsequent additions of pools, leases, and wells within Applicant's defined parameters, as modified herein, will not, in reasonable probability, reduce the commingled production's value or otherwise adversely affect the interest owners in the production to be added.
- 14. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

- 1. Applicant is authorized to surface commingle oil and gas production from the pools, leases, and wells identified in Exhibit A.
 - Applicant is authorized to surface commingle oil and gas production from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A.
- 2. This Order supersedes Order PC-1384.
- 3. The allocation of oil and gas production to wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A shall be determined in the same manner as to wells identified in Exhibit A that produce from that pool and lease, provided that if more than one allocation method is being used or if there are no wells identified in Exhibit A that produce from the pool and lease, then allocation of oil and gas production to each well not included in Exhibit A shall be determined by OCD prior to commingling production from it with the production from another well.
- 4. The allocation of oil and gas production shall be based on the production life of each well as measured for three periods: (a) the initial production period shall be measured from the first production until the earlier of either the peak production rate or thirty (30) days after the first production; (b) the plateau period shall be measured from the end of the initial production period to the peak decline rate; and (c) the decline period shall be measured from the end of the plateau period until the well is plugged and abandoned.

During the initial production period, the oil and gas production for each well identified in Exhibit A shall be allocated using a production curve calculated from a minimum of ten (10) well tests per month, except that any day in which a well test cannot achieve an accurate result due to a temporary change in oil and gas production shall not be included in the

Order No. PC-1384-A Page 2 of 4

computation of time determining the well test schedule. The production curve shall be calculated by interpolating daily production for each day using the known daily production obtained by well tests and shall use a method of interpolation that is at minimum as accurate as maintaining a constant rate of change for each day's production between the known daily production values.

During the plateau period, the oil and gas production for each well identified in Exhibit A shall be allocated using a minimum of three (3) well tests per month.

During the decline period, the oil and gas production for each well identified in Exhibit A shall be allocated as follows: (a) a minimum of three (3) well tests per month when the decline rate is greater than twenty-two percent (22%) per month; (b) a minimum of two (2) well tests per month when the decline rate is between twenty-two percent (22%) and ten percent (10%) per month; and (c) a minimum of one (1) well test per month when the decline rate is less than ten percent (10%) per month.

Upon OCD's request, Applicant shall submit a Form C-103 to the OCD Engineering Bureau that contains the decline rate curve and other relevant information demonstrating the production life of a well.

Applicant shall conduct a well test by separating and metering the oil and gas production from that well for either (a) a minimum of twenty-four (24) consecutive hours; or (b) a combination of nonconsecutive periods that meet the following conditions: (i) each period shall be a minimum of six (6) hours; and (ii) the total duration of the nonconsecutive periods shall be a minimum of eighteen (18) hours.

The well test requirements of this Order shall be suspended for any well shut-in for a period that continues for more than fifteen (15) days until the well commences production.

- 5. Applicant shall measure and market the commingled oil at a central tank battery described in Exhibit A in accordance with this Order and 19.15.18.15. NMAC or 19.15.23.8. NMAC.
- 6. Applicant shall measure and market the commingled gas at a well pad, central delivery point, central tank battery, or gas title transfer meter described in Exhibit A in accordance with this Order and 19.15.19.9. NMAC, provided however that if the gas is vented or flared, and regardless of the reason or authorization pursuant to 19.15.28.8.B. NMAC for such venting or flaring, Applicant shall measure or estimate the gas in accordance with 19.15.28.8.E. NMAC.
- 7. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10.C.(2) NMAC.
- 8. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Applicant fails to submit

Order No. PC-1384-A Page 3 of 4

- a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
- 9. Applicant may submit an application to amend this Order to add pools, leases, and subsequently drilled wells with spacing units adjacent to or within the tracts commingled by this Order by submitting a Form C-107-B in accordance with 19.15.12.10.C.(4)(g) NMAC, provided the pools, leases, and subsequently drilled wells are within the identified parameters included in the Application.
- 10. If a well is not included in Exhibit A but produces from a pool and lease identified in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form C-103 shall reference this Order and identify the well, proposed method to determine the allocation of oil and gas production to it, and the location(s) that commingling of its production will occur.
- 11. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
- 12. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
- 13. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

DATE: 9/21/2023

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

DYLANM. FUGE

DIRECTOR

Order No. PC-1384-A Page 4 of 4

State of New Mexico Energy, Minerals and Natural Resources Department

Exhibit A

Order: PC-1384-A

Operator: Chevron USA, Inc. (4323)

Central Tank Battery: Salado Draw Section 23 Central Tank Battery

Central Tank Battery Location: UL N, Section 23, Township 26 South, Range 32 East

Central Tank Battery: Salado Draw Section 14 Satellite

Central Tank Battery Location: UL C, Section 14, Township 26 South, Range 32 East

Central Tank Battery: Salado Draw Section 15 Satellite

Central Tank Battery Location: UL J, Section 15, Township 26 South, Range 32 East

Central Tank Battery: Salado Draw Section 23 Compressor Station

Central Tank Battery Location: UL N, Section 23, Township 26 South, Range 32 East Gas Title Transfer Meter Location: UL N, Section 23, Township 26 South, Range 32 East

Pools

Pool Name	Pool Code
JENNINGS; UPPER BONE SPRING SHALE	97838
WC-025 G-08 S253235G; LWR BONE SPRIN	97903
WC-025 G-08 S263205N; UPPER WOLFCAMP	98065

Leases as defined in 19.15.12.7(C) NMAC

	()		
Lease	UL or Q/Q	S-T-R	
	All	14-26S-32E	
NMNM 105384720 (118722)	All	15-26S-32E	
	All	23-26S-32E	

Wells				
Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-025-42800	SD WE 14 Federal P5 #1H	W/2 W/2	14-26S-32E	97838
30-025-42801	SD WE 14 Federal P5 #2H	W/2 W/2	14-26S-32E	97838
30-025-42802	SD WE 23 Federal P5 #1H	W/2 W/2	23-26S-32E	97838
30-025-42803	SD WE 23 Federal P5 #2H	W/2 W/2	23-26S-32E	97838
30-025-43086	SD WE 14 Federal P7 #3H	E/2 E/2	14-26S-32E	97838
30-025-43087	SD WE 14 Federal P7 #4H	E/2 E/2	14-26S-32E	97838
30-025-43088	SD WE 23 Federal P7 #3H	E/2 E/2	23-26S-32E	97838
30-025-43089	SD WE 23 Federal P7 #4H	E/2 E/2	23-26S-32E	97838
30-025-43640	SD WE 15 Federal P9 #5H	W/2 E/2	15-26S-32E	97838
30-025-43641	SD WE 15 Federal P9 #6H	W/2 E/2	15-26S-32E	97838
30-025-43642	SD WE 15 Federal P9 #7H	W/2 E/2	15-26S-32E	97838
30-025-43613	SD WE 15 Federal P12 #1H	W/2 W/2	15-26S-32E	97838
30-025-43594	SD WE 15 Federal P12 #2H	W/2 W/2	15-26S-32E	97838
30-025-43595	SD WE 15 Federal P12 #3H	E/2 W/2	15-26S-32E	97838
30-025-40602	Kiehne Ranch 15 26 32 USA #1H	W/2 W/2	15-26S-32E	97838
30-025-45867	CD 14 22 Federal D10 #0H	W/2 W/2	14-26S-32E	98065
30-023-4300/	67 SD 14 23 Federal P18 #9H	W/2 W/2	23-26S-32E	70005

30-025-45819	SD 14 23 Federal P18 #10H	W/2 W/2 W/2 W/2	14-26S-32E 23-26S-32E	98065
20.025.45020	CD 4442 F. J. J. D40 //44W	E/2 W/2	14-26S-32E	0006
30-025-45820	SD 14 23 Federal P18 #11H	E/2 W/2	23-26S-32E	98065
20 025 45021	CD 14 22 Federal D10 #12H	E/2 W/2	14-26S-32E	00065
30-025-45821 SD 14 23 Federal P18 #12H	E/2 W/2	23-26S-32E	98065	
30-025-45706	SD 14 23 Federal P19 #17H	W/2 E/2	14-26S-32E	98065
30-023-43700	SD 14 23 Federal 1 19 #1/11	W/2 E/2	23-26S-32E	70003
30 025 45825	0-025-45825 SD 14 23 Federal P19 #18H W/2 E/2 W/2 E/2	14-26S-32E	98065	
30-023-43023		W/2 E/2	23-26S-32E	70003
30-025-45707	SD 14 23 Federal P19 #19H	E/2 E/2	14-26S-32E	98065
30-023-43707	3D 14 23 Federal 1 17 #1711	E/2 E/2	23-26S-32E	70003
30-025-45826	SD 14 23 Federal P19 #20H	E/2 E/2	14-26S-32E	98065
30-023-43020		E/2 E/2	23-26S-32E	70003
30-025-43460	SD WE 23 Federal P25 #5H	E/2 W/2	14-26S-32E	97838
30-025-45400	5D WE 25 Federal 1 25 #511	E/2 W/2	23-26S-32E	77050
30-025-43461	SD WE 23 Federal P25 #6H	E/2 W/2	14-26S-32E	97838
00 023 45401	SD WE 25 I cucian 125 Hom	E/2 W/2	23-26S-32E	77050
30-025-43462	SD WE 23 Federal P25 #7H	W/2 E/2	14-26S-32E	97838
30-025-45402		W/2 E/2	23-26S-32E	77050
30-025-46726	SD 15 Federal P418 #8H	W/2 W/2	15-26S-32E	98065
30-025-46728	SD 15 Federal P418 #9H	E/2 W/2	15-26S-32E	98065
30-025-46729	SD 15 Federal P418 #10H	E/2 W/2	15-26S-32E	98065
30-025-46730	SD 15 Federal P419 #11H	W/2 E/2	15-26S-32E	98065
30-025-46731	SD 15 Federal P419 #12H	W/2 E/2	15-26S-32E	98065
30-025-46810	SD 15 Federal P419 #13H	E/2 E/2	15-26S-32E	98065
30-025-46732	SD 15 Federal P419 #14H	E/2 E/2	15-26S-32E	98065
30-025-49785	SD 14 23 Federal P343 #421H	W/2	14-26S-32E	97903
30-023-47703	SD 14 23 Federal 1 343 #42111	W/2	23-26S-32E	71703
30-025-49786	SD 14 23 Federal P343 #422H	W/2	14-26S-32E	97903
30-023-49760	SD 14 23 Federal F343 #422H	W/2	23-26S-32E	91903
30 025 40797	SD 14 23 Federal P343 #423H	W/2	14-26S-32E	97903
30-025-49787	SD 14 23 Federal F343 #423H	W/2	23-26S-32E	91903
30-025-49788	SD 14 22 Endored D244 #424H	E/2	14-26S-32E	97903
30-025-49700	SD 14 23 Federal P344 #424H	E/2	23-26S-32E	97903
20 025 40790	SD 14 23 Federal P344 #425H	E/2	14-26S-32E	07002
30-025-49789 SD 1		E/2	23-26S-32E	97903
20 025 40700	0500 CD 1422 E 1 1 D244 H42/H	E/2	14-26S-32E	07002
30-025-49790	SD 14 23 Federal P344 #426H	E/2	23-26S-32E	97903

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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 227587

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	227587
	Action Type:
	[C-107] Surface Commingle or Off-Lease (C-107B)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	9/22/2023