

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
HobbsFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018HOEBS OCD
APR 1 2017
RECEIVED**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM118722
2. Name of Operator CHEVRON USA INC		6. If Indian, Allottee or Tribe Name
Contact: DENISE PINKERTON E-Mail: leakejd@chevron.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 1616 W. BENDER BLVD HOBBS, NM 88240	3b. Phone No. (include area code) Ph: 432-687-7375	8. Well Name and No. SD WE 24 FED P23 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T26S R32E SESW 260FSL 1358FWL		9. API Well No. 30-025-43298-00-X1
		10. Field and Pool or Exploratory Area WC025G06S263319P-BONE SPRING
		11. County or Parish, State LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Production Start-up
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleting in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COMPLETION REPORT FOR NEW OIL PRODUCER:

12/10/2016: MIRU.

12/11/2016: Test production casing 9500 psi for 30 minutes.

5 minute ISIP: 1900 psi. Equalize well. Bled pressure down to 1000psi.

12/21/2016 through 01/16/2017 Perforate 9457 - 18,543' in 46 stages

Frac w/TOTAL PROPPANT: 12,913,600 lbs, TOTAL CLEAN VOLUME: 350,624 bbls,

TOTAL SLURRY VOLUME: 364,554 bbls.

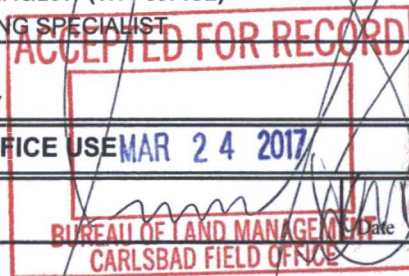
*****SEE ATTACHED DETAILED REPORT FOR PERF & FRAC OPERATIONS*****

01/26/2017: TIH with GR/JB to KOP @ 8635'.

Set packer @ 8573'.

TOC is below intermediate
Shoe. Does not meet
COAs. contact BLM

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #369714 verified by the BLM Well Information System For CHEVRON USA INC, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 03/15/2017 (17PP0371SE)	
Name (Printed/Typed) DENISE PINKERTON	Title PERMITTING SPECIALIST
Signature (Electronic Submission)	Date 03/14/2017
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By	Title
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	
Office	



Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #369714 that would not fit on the form

32. Additional remarks, continued

02/10/2017: First Production

02/13/2017: Set 2 7/8" tubing @ 8588'.

02/15/2017: RIG DOWN.

03/07/2017: On 24 hour OPT: FLOWING 422 oil, 642 gas, & 2428 water.

TOC - 5010
TBG PSI: 1020
CSG PSI: 575
CHOKE: 26/64



Directional Survey

Well Name SALADO DRAW WE 24 FED P23 004H		Lease	Field Name JENNINGS	Business Unit Mid-Continent	
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Wellbore Name Original Hole		Parent Wellbore Original Hole		Min Kick Off Depth (ftKB) 8,600.0		Vertical Section Direction (°) 359.71	
Northing (Y) (ft)		Easting (X) (ft)		UTM Grid Zone			
Date 9/7/2016		Definition? N		Description MWD		Planned? N	
MD Tie In (ftKB)		TVD Tie In (ftKB)		Inclination Tie In (°)		Azimuth Tie In (°)	
						NSTie in (ft)	
						EW Tie in (ft)	

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
0	0.00	360.00	0.00	0.00	0.00	0.00	0.00	Magn MS		0.00	0.00	0.00	N
162	0.60	30.30	162.00	0.73	0.43	0.73	0.37	Magn MS		0.37	0.85	-	N
205	0.40	320.30	205.00	1.04	0.45	1.04	1.39	Magn MS		-0.47	1.13	674.42	N
237	0.40	318.30	236.99	1.21	0.30	1.21	0.04	Magn MS		0.00	1.25	-6.25	N
298	0.50	33.30	297.99	1.59	0.30	1.59	0.91	Magn MS		0.16	1.62	-	N
346	0.10	209.30	345.99	1.73	0.40	1.73	1.25	Magn MS		-0.83	1.78	366.67	N
385	0.40	317.30	384.99	1.80	0.29	1.80	1.13	Magn MS		0.77	1.83	276.92	N
445	0.30	100.30	444.99	1.93	0.30	1.93	1.11	Magn MS		-0.17	1.95	-	N
476	0.30	332.30	475.99	1.99	0.34	1.98	1.74	Magn MS		0.00	2.01	748.39	N
530	0.20	287.30	529.99	2.14	0.19	2.14	0.39	Magn MS		-0.19	2.15	-83.33	N
621	0.60	220.30	620.99	1.82	-0.27	1.82	0.61	Magn MS		0.44	1.84	-73.63	N
801	0.99	190.21	800.97	-0.43	-1.16	-0.42	0.31	Magn MS	Baker Hughes	0.22	1.23	-16.72	N
983	2.41	120.58	982.90	-3.92	1.86	-3.93	1.24	Magn MS	Baker Hughes	0.78	4.34	-38.26	N
1,165	5.13	102.89	1,164.50	-7.68	13.09	-7.75	1.61	Magn MS	Baker Hughes	1.49	15.18	-9.72	N
1,347	5.65	103.72	1,345.69	-11.62	29.72	-11.77	0.29	Magn MS	Baker Hughes	0.29	31.92	0.46	N
1,525	8.22	101.84	1,522.37	-16.31	50.69	-16.57	1.45	Magn MS	Baker Hughes	1.44	53.25	-1.06	N
1,701	8.66	104.18	1,696.47	-22.14	75.85	-22.53	0.32	Magn MS	Baker Hughes	0.25	79.02	1.33	N
1,878	8.55	108.61	1,871.48	-29.61	101.24	-30.12	0.38	Magn MS	Baker Hughes	-0.06	105.48	2.50	N
2,054	9.71	96.66	2,045.26	-35.50	128.39	-36.15	1.26	Magn MS	Baker Hughes	0.66	133.21	-6.79	N
2,231	10.07	100.86	2,219.63	-40.15	158.41	-40.95	0.46	Magn MS	Baker Hughes	0.20	163.42	2.37	N
2,408	10.20	103.62	2,393.87	-46.76	188.84	-47.71	0.28	Magn MS	Baker Hughes	0.07	184.54	1.56	N
2,586	11.04	94.86	2,568.83	-51.91	221.14	-53.03	1.02	Magn MS	Baker Hughes	0.47	227.15	-4.92	N
2,763	11.71	84.17	2,742.37	-51.52	255.90	-52.82	1.25	Magn MS	Baker Hughes	0.38	261.04	-6.04	N
2,940	11.47	86.00	2,915.77	-48.47	291.33	-49.94	0.25	Magn MS	Baker Hughes	-0.14	295.33	1.03	N
3,117	10.41	90.99	3,089.55	-47.52	324.87	-49.16	0.80	Magn MS	Baker Hughes	-0.60	328.33	2.82	N
3,295	10.40	97.23	3,284.63	-49.82	356.89	-51.62	0.63	Magn MS	Baker Hughes	-0.01	360.35	3.51	N
3,472	9.74	104.75	3,438.91	-55.64	387.22	-57.60	0.83	Magn MS	Baker Hughes	-0.37	391.20	4.25	N
3,649	8.76	117.17	3,613.62	-65.61	413.69	-67.70	1.25	Magn MS	Baker Hughes	-0.56	418.86	7.02	N
3,827	10.47	123.66	3,789.12	-80.76	439.22	-82.99	1.14	Magn MS	Baker Hughes	0.96	446.58	3.65	N
4,004	11.32	121.77	3,962.93	-98.82	467.37	-101.19	0.52	Magn MS	Baker Hughes	0.48	477.71	-1.07	N
4,180	13.05	99.76	4,135.05	-111.30	501.66	-113.83	2.80	Magn MS	Baker Hughes	0.98	513.86	-12.51	N
4,357	14.38	99.96	4,307.00	-118.48	543.01	-121.23	0.75	Magn MS	Baker Hughes	0.75	555.78	0.11	N
4,546	12.28	96.74	4,490.90	-124.90	586.09	-127.87	1.18	Magn MS	Baker Hughes	-1.11	599.25	-1.70	N
4,708	10.37	98.28	4,649.74	-129.03	617.63	-132.15	1.19	Magn MS	Baker Hughes	-1.18	630.96	0.95	N
4,885	9.77	98.69	4,824.01	-133.59	648.24	-136.87	0.34	Magn MS	Baker Hughes	-0.34	661.86	0.23	N
5,062	9.53	97.41	4,998.51	-137.75	677.61	-141.18	0.18	Magn MS	Baker Hughes	-0.14	691.47	-0.72	N
5,238	9.18	97.31	5,172.17	-141.41	705.99	-144.98	0.20	Magn MS	Baker Hughes	-0.20	720.01	-0.06	N
5,416	8.86	96.66	5,347.96	-144.81	733.68	-148.52	0.19	Magn MS	Baker Hughes	-0.18	747.84	-0.37	N
5,594	8.24	95.11	5,523.99	-147.54	760.00	-151.38	0.37	Magn MS	Baker Hughes	-0.35	774.19	-0.87	N
5,771	7.07	95.01	5,699.41	-149.62	783.49	-153.58	0.66	Magn MS	Baker Hughes	-0.66	797.65	-0.06	N
5,948	6.52	93.45	5,875.16	-151.17	804.37	-155.24	0.33	Magn MS	Baker Hughes	-0.31	818.45	-0.88	N
6,125	8.73	100.08	6,050.59	-154.13	827.63	-158.32	1.34	Magn MS	Baker Hughes	1.25	841.86	3.75	N
6,302	8.32	98.06	6,225.63	-158.28	853.54	-162.59	0.29	Magn MS	Baker Hughes	-0.23	868.09	-1.14	N
6,478	7.78	95.86	6,399.90	-161.28	877.99	-165.72	0.35	Magn MS	Baker Hughes	-0.31	892.68	-1.25	N
6,632	6.14	100.41	6,751.28	-167.14	920.45	-171.80	0.49	Magn MS	Baker Hughes	-0.46	935.51	1.29	N
7,009	5.33	100.03	6,927.39	-170.29	937.86	-175.03	0.46	Magn MS	Baker Hughes	-0.46	953.19	-0.21	N
7,186	4.92	94.57	7,103.69	-172.32	953.52	-177.15	0.36	Magn MS	Baker Hughes	-0.23	968.97	-3.08	N
7,362	2.29	90.78	7,279.32	-172.97	964.56	-177.85	1.50	Magn MS	Baker Hughes	-1.49	979.95	-2.15	N



Directional Survey

Well Name SALADO DRAW WE 24 FED P23 004H		Lease	Field Name JENNINGS		Business Unit Mid-Continent	
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation			Mud Line Elevation (ft)	Water Depth (ft)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
7.541	1 97	87.06	7.458.20	-172.86	971.21	-177.78	0.19	Magn MS	Baker Hughes	-0.18	986.47	-2.08	N
7.613	1 66	83.46	7.530.16	-172.68	973.48	-177.61	0.46	Magn MS	Baker Hughes	-0.43	988.68	-5.00	N
7.789	0 16	87.19	7.706.14	-172.38	976.26	-177.32	0.85	Magn MS	Baker Hughes	-0.85	991.36	2.12	N
7.966	0 38	122.19	7.883.13	-172.68	977.00	-177.62	0.15	Magn MS	Baker Hughes	0.12	992.15	19.77	N
8.143	5 50	284.28	8.059.88	-170.90	969.27	-175.80	3.31	Magn MS	Baker Hughes	2.89	984.22	91.58	N
8.320	0 51	251.93	8.236.58	-169.05	960.30	-173.91	2.87	Magn MS	Baker Hughes	-2.82	975.06	-18.28	N
8.497	0 20	289.17	8.413.58	-169.19	959.26	-174.05	0.21	Magn MS	Baker Hughes	-0.18	974.06	21.04	N
8.674	9 75	354.52	8.589.72	-154.14	957.53	-158.98	5.46	Magn MS	Baker Hughes	5.40	969.86	36.92	N
8.763	18 47	352.13	8.675.95	-132.63	954.88	-137.46	9.82	Magn MS	Baker Hughes	9.80	964.04	-2.69	N
8.851	28 39	345.16	8.756.61	-98.50	947.59	-103.30	11.69	Magn MS	Baker Hughes	11.27	952.70	-7.92	N
8.940	36 57	338.81	8.831.65	-53.24	932.56	-57.96	9.95	Magn MS	Baker Hughes	9.19	934.07	-7.13	N
9.029	43 85	344.19	8.899.59	1.23	914.54	-3.40	9.06	Magn MS	Baker Hughes	8.18	914.54	6.04	N
9.117	52 70	351.71	8.958.15	65.37	901.16	60.81	11.90	Magn MS	Baker Hughes	10.06	903.52	8.55	N
9.206	64 17	355.78	9.004.67	140.62	893.07	136.10	13.46	Magn MS	Baker Hughes	12.89	904.08	4.57	N
9.294	75 24	359.63	9.035.16	222.95	889.87	218.44	13.23	Magn MS	Baker Hughes	12.58	917.38	4.38	N
9.383	85 65	4 79	9.049.92	310.50	893.31	305.97	13.02	Magn MS	Baker Hughes	11.70	945.74	-	N
											398.70		
9.472	90 77	6 61	9.052.70	398.98	902.15	394.41	6.10	Magn MS	Baker Hughes	5.75	986.43	2.04	N
9.560	90 74	7 40	9.051.54	486.31	912.88	481.69	0.90	Magn MS	Baker Hughes	-0.03	1,034. 33	0.90	N
9.649	90 86	4 34	9.050.30	574.83	921.98	570.15	3.44	Magn MS	Baker Hughes	0.13	1,086. 50	-3.44	N
9.737	90 77	5 14	9.049.05	662.52	929.25	657.81	0.91	Magn MS	Baker Hughes	-0.10	1,141. 24	0.91	N
9.826	92 16	5 07	9.046.77	751.13	937.17	746.38	1.56	Magn MS	Baker Hughes	1.56	1,201. 03	-0.08	N
9.915	91 76	4 19	9.043.73	839.79	944.35	835.00	1.09	Magn MS	Baker Hughes	-0.45	1,263. 74	-0.99	N
10.004	91 35	4 40	9.041.31	928.51	951.01	923.68	0.52	Magn MS	Baker Hughes	-0.46	1,329. 11	0.24	N
10.092	89 38	359.60	9.040.75	1,016.42	954.08	1,011.58	5.90	Magn MS	Baker Hughes	-2.24	1,394. 05	403.64	N
10.181	89 17	355.64	9.041.88	1,105.32	950.38	1,100.50	4.46	Magn MS	Baker Hughes	-0.24	1,457. 72	-4.45	N
10.269	90 37	357.41	9.042.23	1,193.15	945.05	1,188.35	2.43	Magn MS	Baker Hughes	1.36	1,522. 08	2.01	N
10.358	88 86	354.48	9.042.83	1,281.92	938.76	1,277.15	3.70	Magn MS	Baker Hughes	-1.70	1,588. 89	-3.29	N
10.446	96 54	354.18	9.038.69	1,369.32	930.08	1,364.60	8.73	Magn MS	Baker Hughes	8.73	1,655. 32	-0.34	N
10.535	94 56	0 21	9.030.07	1,457.75	925.76	1,453.05	7.10	Magn MS	Baker Hughes	-2.22	1,726. 87		N
											397.72		
10.624	91 02	3 92	9.025.74	1,546.56	928.96	1,541.84	5.76	Magn MS	Baker Hughes	-3.98	1,804. 11	4.17	N
10.715	90 55	3 10	9.024.49	1,637.38	934.53	1,632.63	1.04	Magn MS	Baker Hughes	-0.52	1,885. 30	-0.90	N
10.806	94 35	1 06	9.020.60	1,728.22	937.83	1,723.45	4.74	Magn MS	Baker Hughes	4.18	1,966. 28	-2.24	N
10.897	91 45	1 42	9.016.00	1,819.07	939.80	1,814.29	3.21	Magn MS	Baker Hughes	-3.19	2,047. 49	0.40	N
10.988	86 83	358.58	9.017.36	1,910.02	939.80	1,905.24	5.96	Magn MS	Baker Hughes	-5.08	2,128. 71	392.48	N
11.079	87.97	355.45	9.021.49	2,000.79	935.07	1,996.03	3.66	Magn MS	Baker Hughes	1.25	2,208. 51	-3.44	N
11.170	88 03	355.51	9.024.67	2,091.46	927.90	2,086.73	0.09	Magn MS	Baker Hughes	0.07	2,288. 05	0.07	N
11.261	87.90	356.30	9.027.90	2,182.16	921.41	2,177.47	0.88	Magn MS	Baker Hughes	-0.14	2,368. 72	0.87	N
11.352	90 43	358.56	9.029.23	2,273.05	917.33	2,268.38	3.73	Magn MS	Baker Hughes	2.78	2,451. 17	2.48	N



Directional Survey

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			Water Depth (ft)

Survey Data

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11,443	90.46	356.45	9,028.52	2,363.96	913.37	2,359.30	2.32	Magn MS	Baker Hughes	0.03	2,534.27	-2.32	N
11,534	90.06	356.33	9,028.11	2,454.77	907.64	2,450.15	0.46	Magn MS	Baker Hughes	-0.44	2,617.20	-0.13	N
11,623	89.85	356.22	9,028.18	2,543.59	901.85	2,538.99	0.27	Magn MS	Baker Hughes	-0.24	2,698.74	-0.12	N
11,712	89.97	355.22	9,028.32	2,632.34	895.21	2,627.77	1.13	Magn MS	Baker Hughes	0.13	2,780.40	-1.12	N
11,800	92.28	355.73	9,026.59	2,720.04	888.27	2,715.51	2.69	Magn MS	Baker Hughes	2.63	2,861.41	0.58	N
11,889	91.97	357.56	9,023.29	2,808.82	883.07	2,804.32	2.08	Magn MS	Baker Hughes	-0.35	2,944.37	2.06	N
11,977	93.27	0.88	9,019.26	2,896.71	881.87	2,892.21	4.05	Magn MS	Baker Hughes	1.48	3,027.97	-405.32	N
12,065	92.19	1.70	9,015.07	2,984.58	883.85	2,980.07	1.54	Magn MS	Baker Hughes	-1.23	3,112.70	0.93	N
12,154	90.37	2.08	9,013.09	3,073.51	886.78	3,068.98	2.09	Magn MS	Baker Hughes	-2.04	3,198.88	0.43	N
12,242	89.69	2.19	9,013.04	3,161.45	890.06	3,156.90	0.78	Magn MS	Baker Hughes	-0.77	3,284.35	0.13	N
12,331	89.72	1.94	9,013.50	3,250.39	893.27	3,245.83	0.28	Magn MS	Baker Hughes	0.03	3,370.90	-0.28	N
12,419	87.62	3.29	9,015.54	3,338.27	897.28	3,333.68	2.84	Magn MS	Baker Hughes	-2.39	3,456.75	1.53	N
12,508	85.14	4.14	9,021.16	3,426.89	903.04	3,422.28	2.95	Magn MS	Baker Hughes	-2.79	3,543.88	0.96	N
12,596	85.68	3.70	9,028.20	3,514.41	909.03	3,509.76	0.79	Magn MS	Baker Hughes	0.61	3,630.07	-0.50	N
12,685	84.95	2.52	9,035.47	3,602.98	913.84	3,598.30	1.56	Magn MS	Baker Hughes	-0.82	3,717.06	-1.33	N
12,773	85.59	1.45	9,042.73	3,690.62	916.88	3,685.99	1.41	Magn MS	Baker Hughes	0.73	3,802.81	-1.22	N
12,862	87.97	2.84	9,047.73	3,779.41	920.21	3,774.70	3.10	Magn MS	Baker Hughes	2.67	3,889.82	1.56	N
12,951	86.89	4.34	9,051.72	3,868.14	925.78	3,863.41	2.08	Magn MS	Baker Hughes	-1.21	3,977.38	1.69	N
13,039	86.28	3.80	9,056.96	3,955.76	932.01	3,951.00	0.93	Magn MS	Baker Hughes	-0.69	4,064.08	-0.61	N
13,128	86.95	3.23	9,062.21	4,044.44	937.46	4,039.64	0.99	Magn MS	Baker Hughes	0.75	4,151.67	-0.64	N
13,216	85.00	1.87	9,068.39	4,132.13	941.36	4,127.31	2.70	Magn MS	Baker Hughes	-2.22	4,238.00	-1.55	N
13,305	85.11	1.73	9,076.06	4,220.76	944.15	4,215.92	0.20	Magn MS	Baker Hughes	0.12	4,325.07	-0.16	N
13,394	85.20	0.50	9,083.58	4,309.42	945.87	4,304.58	1.38	Magn MS	Baker Hughes	0.10	4,412.00	-1.38	N
13,482	86.36	359.32	9,090.06	4,397.18	945.74	4,392.33	1.88	Magn MS	Baker Hughes	1.32	4,497.73	407.75	N
13,571	82.46	355.65	9,098.73	4,485.64	941.86	4,480.81	6.00	Magn MS	Baker Hughes	-4.38	4,583.45	-4.12	N
13,659	90.77	355.09	9,103.92	4,573.12	934.77	4,568.33	9.46	Magn MS	Baker Hughes	9.44	4,667.68	-0.64	N
13,748	90.95	356.49	9,102.58	4,661.87	928.24	4,657.11	1.59	Magn MS	Baker Hughes	0.20	4,753.38	1.57	N
13,836	90.92	357.72	9,101.15	4,749.74	923.80	4,745.00	1.40	Magn MS	Baker Hughes	-0.03	4,838.74	1.40	N
13,925	90.92	357.37	9,099.72	4,838.65	919.98	4,833.93	0.39	Magn MS	Baker Hughes	0.00	4,925.33	-0.39	N
14,014	90.99	359.34	9,098.23	4,927.59	917.43	4,922.89	2.21	Magn MS	Baker Hughes	0.08	5,012.27	2.21	N



Directional Survey

Well Name SALADO DRAW WE 24 FED P23 004H		Lease	Field Name JENNINGS	Business Unit Mid-Continent	
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
14,102	91 11	359 54	9,096.62	5,015.58	916.57	5,010.87	0.27	Magn MS	Baker Hughes	0.14	5,098.64	0.23	N
14,192	91 02	359.73	9,094.95	5,105.56	916.00	5,100.86	0.23	Magn MS	Baker Hughes	-0.10	5,187.08	0.21	N
14,280	90 92	358.58	9,093.46	5,193.53	914.70	5,188.84	1.31	Magn MS	Baker Hughes	-0.11	5,273.47	-1.31	N
14,369	92 56	358.88	9,090.76	5,282.47	912.73	5,277.78	1.87	Magn MS	Baker Hughes	1.84	5,360.74	0.34	N
14,457	91 05	358.57	9,087.98	5,370.40	910.77	5,365.72	1.75	Magn MS	Baker Hughes	-1.72	5,447.08	-0.35	N
14,546	91 02	358.10	9,086.38	5,459.35	908.18	5,454.68	0.53	Magn MS	Baker Hughes	-0.03	5,534.37	-0.53	N
14,634	90 15	358.96	9,085.48	5,547.31	905.93	5,542.66	1.39	Magn MS	Baker Hughes	-0.99	5,620.80	0.98	N
14,723	89 91	3 65	9,085.43	5,636.26	907.95	5,631.60	5.28	Magn MS	Baker Hughes	-0.27	5,708.93	399.22	N
14,811	90 68	358.41	9,084.98	5,724.22	909.54	5,719.54	6.02	Magn MS	Baker Hughes	0.88	5,796.03	403.14	N
14,899	89 78	359.91	9,084.62	5,812.20	908.25	5,807.53	1.99	Magn MS	Baker Hughes	-1.02	5,882.74	1.70	N
14,988	90 03	0 65	9,084.77	5,901.20	908.68	5,896.53	0.88	Magn MS	Baker Hughes	0.28	5,970.75	403.66	N
15,076	90 09	2 30	9,084.68	5,989.17	910.95	5,984.48	1.88	Magn MS	Baker Hughes	0.07	6,058.05	1.88	N
15,165	89 41	2 49	9,085.07	6,078.09	914.66	6,073.38	0.79	Magn MS	Baker Hughes	-0.76	6,146.53	0.21	N
15,253	89 41	0 33	9,085.97	6,166.05	916.83	6,161.33	2.45	Magn MS	Baker Hughes	0.00	6,233.84	-2.45	N
15,342	89 38	359.51	9,086.91	6,255.05	916.71	6,250.33	0.92	Magn MS	Baker Hughes	-0.03	6,321.87	403.57	N
15,430	90 40	355.58	9,087.08	6,342.95	912.94	6,338.25	4.61	Magn MS	Baker Hughes	1.16	6,408.31	-4.47	N
15,519	89 57	355.59	9,087.11	6,431.68	906.09	6,427.02	0.93	Magn MS	Baker Hughes	-0.93	6,495.19	0.01	N
15,607	78 94	354.79	9,095.90	6,518.81	898.76	6,514.18	12.11	Magn MS	Baker Hughes	-12.08	6,580.47	-0.91	N
15,695	80 50	356.80	9,111.61	6,605.16	892.42	6,600.55	2.86	Magn MS	Baker Hughes	1.77	6,665.17	2.28	N
15,784	90 09	3 18	9,118.91	6,693.71	892.43	6,689.10	12.92	Magn MS	Baker Hughes	10.78	6,752.94	397.33	N
15,873	92 43	3 73	9,116.95	6,782.52	897.80	6,777.89	2.70	Magn MS	Baker Hughes	2.63	6,841.68	0.62	N
15,961	92 40	0 96	9,113.24	6,870.36	901.39	6,865.71	3.15	Magn MS	Baker Hughes	-0.03	6,929.24	-3.15	N
16,050	92 13	357.63	9,109.72	6,959.27	900.30	6,954.62	3.75	Magn MS	Baker Hughes	-0.30	7,017.26	400.75	N
16,138	92 59	356.10	9,106.10	7,047.06	895.49	7,042.44	1.81	Magn MS	Baker Hughes	0.52	7,103.73	-1.74	N
16,226	92 65	358.58	9,102.08	7,134.86	891.41	7,130.26	2.82	Magn MS	Baker Hughes	0.07	7,190.33	2.82	N
16,315	92 68	358.93	9,097.94	7,223.75	889.48	7,219.15	0.39	Magn MS	Baker Hughes	0.03	7,278.30	0.39	N
16,403	92 25	358.80	9,094.15	7,311.65	887.74	7,307.06	0.51	Magn MS	Baker Hughes	-0.49	7,365.34	-0.15	N
16,492	92 46	359.43	9,090.50	7,400.56	886.36	7,395.98	0.75	Magn MS	Baker Hughes	0.24	7,453.45	0.71	N
16,580	91 69	358.65	9,087.31	7,488.49	884.89	7,483.92	1.25	Magn MS	Baker Hughes	-0.87	7,540.59	-0.89	N
16,668	90 12	356.63	9,085.92	7,576.40	881.27	7,571.84	2.91	Magn MS	Baker Hughes	-1.78	7,627.48	-2.30	N



Directional Survey

Well Name SALADO DRAW WE 24 FED P23 004H	Lease	Field Name JENNINGS	Business Unit Mid-Continent
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)

Survey Data

MD (RKB)	Incl (°)	Azm (°)	TVD (RKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
16,758	90.00	357.07	9,085.83	7,666.26	876.32	7,661.73	0.51	Magn MS	Baker Hughes	-0.13	7,716.18	0.49	N
16,848	90.25	0.11	9,085.63	7,756.22	874.11	7,751.70	3.39	Magn MS	Baker Hughes	0.28	7,805.32	396.62	N
16,936	90.15	1.98	9,085.32	7,844.20	875.71	7,839.67	2.13	Magn MS	Baker Hughes	-0.11	7,892.93	2.13	N
17,025	89.48	1.35	9,085.61	7,933.16	878.30	7,928.62	1.03	Magn MS	Baker Hughes	-0.75	7,981.64	-0.71	N
17,113	89.57	357.65	9,086.34	8,021.14	877.53	8,016.60	4.21	Magn MS	Baker Hughes	0.10	8,069.00	404.89	N
17,202	89.57	355.53	9,087.01	8,109.98	872.24	8,105.46	2.38	Magn MS	Baker Hughes	0.00	8,156.75	-2.38	N
17,290	89.91	358.22	9,087.41	8,197.84	867.44	8,193.34	3.08	Magn MS	Baker Hughes	0.39	8,243.60	3.06	N
17,379	89.63	3.19	9,087.76	8,286.80	868.53	8,282.30	5.59	Magn MS	Baker Hughes	-0.31	8,332.19	398.91	N
17,468	89.97	4.93	9,088.08	8,375.58	874.84	8,371.04	1.99	Magn MS	Baker Hughes	0.38	8,421.14	1.96	N
17,556	89.82	4.55	9,088.24	8,463.27	882.11	8,458.70	0.46	Magn MS	Baker Hughes	-0.17	8,509.12	-0.43	N
17,645	89.78	0.82	9,088.55	8,552.16	886.28	8,547.56	4.19	Magn MS	Baker Hughes	-0.04	8,597.96	-4.19	N
17,733	89.66	357.91	9,088.98	8,640.14	885.30	8,635.55	3.31	Magn MS	Baker Hughes	-0.14	8,685.38	405.78	N
17,822	90.55	359.04	9,088.81	8,729.11	882.93	8,724.53	1.62	Magn MS	Baker Hughes	1.00	8,773.65	1.27	N
17,910	90.46	359.67	9,088.04	8,817.10	881.94	8,812.52	0.72	Magn MS	Baker Hughes	-0.10	8,861.10	0.72	N
17,999	89.85	1.45	9,087.80	8,906.09	882.81	8,901.51	2.11	Magn MS	Baker Hughes	-0.69	8,949.74	402.49	N
18,087	90.74	2.74	9,087.34	8,994.03	886.03	8,989.43	1.78	Magn MS	Baker Hughes	1.01	9,037.57	1.47	N
18,176	90.34	359.48	9,086.51	9,083.00	887.75	9,078.39	3.69	Magn MS	Baker Hughes	-0.45	9,126.28	400.83	N
18,265	89.60	0.21	9,086.55	9,171.99	887.51	9,167.39	1.17	Magn MS	Baker Hughes	-0.83	9,214.83	403.67	N
18,353	90.65	359.85	9,086.36	9,259.99	887.56	9,255.38	1.26	Magn MS	Baker Hughes	1.19	9,302.43	408.68	N
18,442	90.49	359.93	9,085.48	9,348.99	887.39	9,344.38	0.20	Magn MS	Baker Hughes	-0.18	9,391.01	0.09	N
18,530	89.41	356.35	9,085.55	9,436.93	884.53	9,432.33	4.25	Magn MS	Baker Hughes	-1.23	9,478.29	-4.07	N
18,619	89.60	358.61	9,086.32	9,525.83	880.62	9,521.25	2.55	Magn MS	Baker Hughes	0.21	9,566.45	2.54	N
18,709	89.60	358.61	9,086.95	9,615.80	878.44	9,611.23	0.00	Extrap	Baker Hughes	0.00	9,655.84	0.00	N

Stimulation Intervals

UWI	Well Name	Start Date	Interval Number	Top (ftKB)	Btm (ftKB)	P Breakdown (psi)	Avg Treat Rate (bbl/min)	Avg Treat Pressure (psi)
3002543298	SD WE 24 P23 004H	12/21/2016	1	18,357.00	18,543.00	9,121.00	85.12	6,049.00
3002543298		12/21/2016	2	18,157.00	18,319.00	6,144.00	84.75	6,694.00
3002543298		12/22/2016	3	17,957.00	18,119.00	5,813.00	84.7	7,215.00
3002543298		12/22/2016	4	17,757.00	17,919.00	6,017.00	84.3	6,662.00
3002543298		12/23/2016	5	17,557.00	17,719.00	6,662.00	84.61	6,911.00
3002543298		12/23/2016	6	17,357.00	17,519.00	6,517.00	84.85	6,941.00
3002543298		12/24/2016	7	17,157.00	17,319.00	5,469.00	83.58	6,987.00
3002543298		12/24/2016	8	16,957.00	17,119.00	7,073.00	84.35	6,664.00
3002543298		12/25/2016	9	16,757.00	16,919.00	5,639.00	86.2	6,977.00
3002543298		12/26/2016	10	16,557.00	16,719.00	6,994.00	82.39	6,807.00
3002543298		12/26/2016	11	16,357.00	16,519.00	5,881.00	82.03	7,141.00
3002543298		12/27/2016	12	16,157.00	16,319.00	8,411.00	79.53	7,020.00
3002543298		12/27/2016	13	15,957.00	16,119.00	37.4	83.78	6,204.00
3002543298		12/28/2016	14	15,757.00	15,919.00	5,697.00	84.4	6,812.00
3002543298		12/29/2016	15	15,557.00	15,719.00	6,460.00	84.44	6,707.00
3002543298		12/29/2016	16	15,357.00	15,519.00	6,198.00	85.4	6,921.00
3002543298		12/30/2016	17	15,157.00	15,319.00	5,981.00	85.37	6,795.00
3002543298		12/30/2016	18	14,957.00	15,119.00	5,534.00	85.3	6,708.00
3002543298		12/31/2016	19	14,757.00	14,919.00	5,979.00	84.7	6,777.00
3002543298		1/1/2017	20	14,557.00	14,719.00	6,461.00	85.9	6,900.00
3002543298		1/1/2017	21	14,357.00	14,519.00	6,994.00	78.43	6,498.00
3002543298		1/2/2017	22	14,157.00	14,319.00	5,434.00	84.31	6,808.00
3002543298		1/3/2017	23	13,957.00	14,119.00	5,357.00	87.2	6,869.00
3002543298		1/3/2017	24	13,757.00	13,919.00	5,731.00	81.21	6,335.00
3002543298		1/4/2017	25	13,557.00	13,719.00	5,599.00	85.1	6,648.00
3002543298		1/4/2017	26	13,357.00	13,519.00	5,378.00	80.23	5,924.00
3002543298		1/5/2017	27	13,157.00	13,319.00	5,732.00	80.52	5,988.00
3002543298		1/5/2017	28	12,957.00	13,119.00	5,575.00	85.4	7,020.00
3002543298		1/6/2017	29	12,757.00	12,919.00	4,683.00	84.9	6,724.00
3002543298		1/7/2017	30	12,557.00	12,719.00	5,791.00	84.2	7,017.00
3002543298		1/8/2017	31	12,357.00	12,519.00	6,668.00	84.4	6,986.00
3002543298		1/8/2017	32	12,157.00	12,319.00	5,571.00	89.84	6,295.00

3002543298	1/9/2017	33	11,957.00	12,119.00	5,715.00	84.3	6,445.00
3002543298	1/9/2017	34	11,757.00	11,919.00	5,074.00	85.47	6,328.00
3002543298	1/10/2017	35	11,557.00	11,719.00	5,441.00	85.2	6,382.00
3002543298	1/10/2017	36	11,357.00	11,519.00	4,849.00	85.25	6,131.00
3002543298	1/11/2017	37	11,157.00	11,319.00	4,429.00	85.9	6,066.00
3002543298	1/11/2017	38	10,957.00	11,119.00	5,028.00	85.28	6,111.00
3002543298	1/12/2017	39	10,757.00	10,919.00	6,048.00	88	6,689.00
3002543298	1/12/2017	40	10,557.00	10,719.00	4,831.00	85.2	5,940.00
3002543298	1/13/2017	41	10,357.00	10,519.00	5,685.00	85.47	5,891.00
3002543298	1/14/2017	42	10,157.00	10,319.00	6,819.00	89.5	6,300.00
3002543298	1/14/2017	43	9,957.00	10,119.00	5,717.00	85.19	6,077.00
3002543298	1/15/2017	44	9,757.00	9,919.00	5,350.00	89.59	5,701.00
3002543298	1/15/2017	45	9,557.00	9,719.00	5,406.00	89.6	6,360.00
3002543298	1/16/2017	46	9,357.00	9,519.00	5,486.00	89.09	6,352.00

Max Treat Rate (bbl/min)	Max Treat Pressure (psi)	Post-Treat ISIP (psi)	Total Clean Volume (bbl)	Total Slurry Vol (bbl)	Proppant In Formation (lb)
86.9	9,122.00	1,751.00	7,883.38	8,185.42	279,980.00
85.56	8,522.00	2,131.00	7,720.21	8,022.83	280,559.00
86.76	9,031.00	2,120.00	7,782.00	8,083.51	279,509.00
85.66	7,944.00	2,121.00	7,784.81	8,087.46	280,606.00
85.83	8,440.00	2,361.00	7,735.76	8,038.82	280,941.00
85.8	8,962.00	2,397.00	7,673.14	7,975.72	280,507.00
85.83	8,881.00	2,841.00	7,697.98	7,998.54	278,609.00
85.67	9,131.00	2,373.00	7,695.05	7,997.33	280,197.00
91.48	8,916.00	2,757.00	7,736.17	8,041.70	283,246.00
85.15	8,210.00	2,326.00	7,651.88	7,954.51	280,543.00
84.95	8,988.00	2,360.00	8,052.02	8,354.33	280,237.00
87.68	8,930.00	2,765.00	7,956.05	8,258.51	280,493.00
86.9	8,569.00	2,669.00	7,827.64	8,129.93	280,211.00
85	8,037.00	2,553.00	7,707.93	8,009.31	279,379.00
85.44	8,116.00	2,679.00	7,631.93	7,936.17	282,094.00
85.9	8,373.00	2,473.00	7,692.52	7,995.21	280,627.00
85.79	8,228.00	2,654.00	7,678.24	7,984.13	283,578.00
85.9	7,884.00	2,460.00	7,619.19	7,921.21	279,981.00
85.4	8,243.00	2,583.00	7,713.21	8,014.74	279,535.00
86.5	8,330.00	2,614.00	7,710.33	8,012.74	280,401.00
80.79	8,583.00	2,611.00	7,599.40	7,902.87	281,377.00
85.65	8,649.00	2,677.00	7,662.31	7,967.17	282,686.00
89.1	8,048.00	2,321.00	7,574.90	7,876.49	279,659.00
85.29	8,477.00	2,782.00	7,649.38	7,954.08	282,477.00
86	8,613.00	2,335.00	7,543.07	7,846.58	281,340.00
80.6	8,733.00	2,549.00	7,542.60	7,847.07	282,260.00
84.66	8,960.00	2,469.00	7,728.38	8,032.41	281,820.00
86	8,929.00	2,446.00	7,639.36	7,942.38	280,909.00
85.9	8,272.00	2,524.00	7,527.60	7,830.45	280,742.00
85.5	8,199.00	2,696.00	7,523.55	7,825.82	280,215.00
85.6	8,722.00	2,498.00	7,452.17	7,754.79	280,507.00
90.78	8,297.00	2,400.00	7,645.14	7,951.50	283,987.00

85.2	8,991.00	2,487.00	7,516.52	7,819.44	280,834.00
86.22	8,698.00	2,394.00	7,563.67	7,867.20	281,421.00
86.1	8,948.00	2,498.00	7,413.17	7,715.46	280,210.00
85.95	8,446.00	2,397.00	7,618.43	7,920.24	279,772.00
86.6	8,920.00	2,505.00	7,383.19	7,683.19	278,072.00
85.64	8,899.00	2,419.00	7,452.98	7,756.10	280,990.00
88.7	8,663.00	2,412.00	7,425.19	7,727.62	280,324.00
86.49	8,952.00	2,587.00	7,409.64	7,712.21	280,453.00
85.9	8,335.00	2,430.00	7,664.67	7,967.55	280,762.00
90.4	7,753.00	2,415.00	7,378.57	7,681.65	280,954.00
85.8	7,995.00	2,717.00	7,456.67	7,759.24	280,473.00
89.84	9,051.00	2,734.00	7,471.62	7,773.83	280,134.00
90.4	8,850.00	2,441.00	7,410.72	7,712.16	279,418.00
89.62	8,594.00	2,558.00	7,421.57	7,724.25	280,571.00
			350,623.91	364,553.87	12,913,600.00