



# Wellbore Schematic

Well Name: MARINER FEE 23 28 20 WA 14H

State/Province NEW MEXICO	Prospect Area MALAGA	Field Name PURPLE SAGE	Well Subtype	Lat/Long Datum NAD27	Latitude (°) 32.283974	Longitude (°) -104.113120
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status DRILLING	Ground Elevation (ft) 3,075.00	KB-Ground Distance (ft) 26.50		

## HORIZONTAL - MARINER FEE 23 28 20 WA 14H, 5/21/2018 9:24:23 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)	
-5.5	-5.6	0.0		
-4.3	-4.3	0.0		
18.0	18.0	0.0		
25.5	26.6	0.1		
29.2	29.2	0.1		
146.7	146.7	0.3		
404.2	404.2	1.2	No.1; Des: Conductor 1; OD: 20.000 in; ID: 19.000 in; Depth MD: 26.5-146.5 ftKB; Length: 120.00 ft	
405.5	405.5	1.2	No.2; Des: Surface; OD: 13.375 in; ID: 12.615 in; Depth MD: 26.5-490.0 ftKB; Length: 463.50 ft	
488.5	488.5	1.3		
490.1	490.1	1.3		
2,311.8	2,311.8	2.1	No.3; Des: Intermediate 1; OD: 9.625 in; ID: 8.835 in; Depth MD: 26.5-2,398.0 ftKB; Length: 2,371.50 ft	
2,313.5	2,313.5	2.1		
2,395.1	2,395.1	1.4		
2,396.4	2,396.4	1.4	No.4; Des: Intermediate 2; OD: 7.000 in; ID: 6.184 in; Depth MD: 26.5-9,643.0 ftKB; Length: 9,616.50 ft	
2,408.5	2,408.5	1.4		
2,418.4	2,418.4	1.4		
8,771.0	8,771.0	1.4	No.5; Des: Liner 1; OD: 4.500 in; ID: 3.920 in; Depth MD: 8,771.0-14,226.0 ftKB; Length: 5,455.05 ft	
8,784.5	8,784.5	1.4		
9,413.1	9,413.1	59.9		
9,414.0	9,414.0	60.0		
9,452.4	9,452.4	70.6		
9,453.1	9,453.1	70.8		
9,497.2	9,497.2	92.0		
9,495.5	9,495.5	92.2		
9,495.4	9,495.4	92.2		
9,493.6	9,493.6	92.3		
9,493.5	9,493.5	92.3		
9,493.5	9,493.5	92.3		
9,491.6	9,491.6	92.3		
9,491.5	9,491.5	92.3		

Directions to Well: FROM THE INTERSECTION OF U.S. HIGHWAY 62/WEST GREENE STREET AND U.S. 180 W./U.S. 62 W/S. CANAL STREET IN CARLSBAD, NEW MEXICO, TRAVEL SOUTH ON U.S. 62 W/S. CANAL STREET TOWARD W. TANSILL STREET FOR 2.0 MILES TO SLIGHT LEFT ONTO U.S.-285 SOUTH. TRAVEL SOUTH ON U.S.-285 SOUTH FOR 10.4 MILES TO JAYDERS ROAD/CO. RD. 730 ON THE RIGHT. TRAVEL WEST ON JAYDERS ROAD/CO. RD. 730 FOR 0.7 MILES TO PROPOSED WELLS 233 FEET ON THE RIGHT.