

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 07 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079363 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. San Juan 28-6 Unit DIST 2	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Surf: Unit E (SWNW), 2410' FNL & 1025' FWL Surf: Latitude 36.574932 N Longitude 107.424115 W	9. Well Number #179N 10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 13, T27N, R6W API # 30-039- 30570	
14. Distance in Miles from Nearest Town 49.8 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1025'		
16. Acres in Lease 2560.420	17. Acres Assigned to Well 320.00 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 708' from SJ 28-6 #426 - FC		
19. Proposed Depth 7481'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6309' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>10/6/08</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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.

Example Master Plan Type

This action is subject to technical and procedural review pursuant to 43 CFR 316 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

15 and NMB-000089
THIS APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

OCT 22 2008

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rjo Brazos Rd., Aztec, NM 87410

District IV

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

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30570		² Pool Code 71599/72319		³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
⁴ Property Code 7462		⁵ Property Name SAN JUAN 28-6 UNIT			⁶ Well Number 179N
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6309

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
E	13	27-N	6-W		2410	NORTH	1025	WEST	RIO ARriba

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
E									

¹² Dedicated Acres 320.00 (W)	¹³ Joint or Infill (2)	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶ BLM 1955 S 89°36'34" W S 89°49' W 2607.3' (M) 2611.3' (R) 2410' N 0°02'36" E N 0°12' E 1025'	W/2 DEDICATED ACREAGE USA SF-079363 SECTION 13 T-27-N, R-6-W	BLM 1955 WELL FLAG NAD 83 LAT: 36.574932° N LONG: 107.424115° W NAD 27 LAT: 36°34.495376° N LONG: 107°25.410750° W	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Crystal Tafoya</i> 5/14/08 Signature Crystal Tafoya Printed Name Regulatory Technician Title and E-mail Address May 16th, 2008 Date
	USA SF-079365		
	FEE		Certificate Number: NM 11393

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PDO8.57

WELL NAME

SAN JUAN 28 - 6 # 179 N

DATE

3/29/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

E 13

27 N

6 W

36 34'29.13" N

107 25'28.41" W

COUNTY

RIO ARRIBA

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

480 V METER POLE

D C CABLES

A C CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

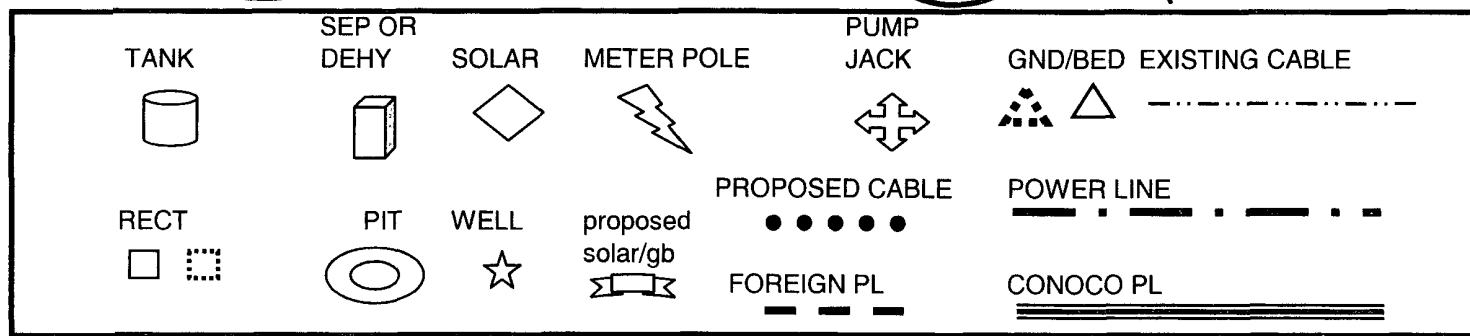
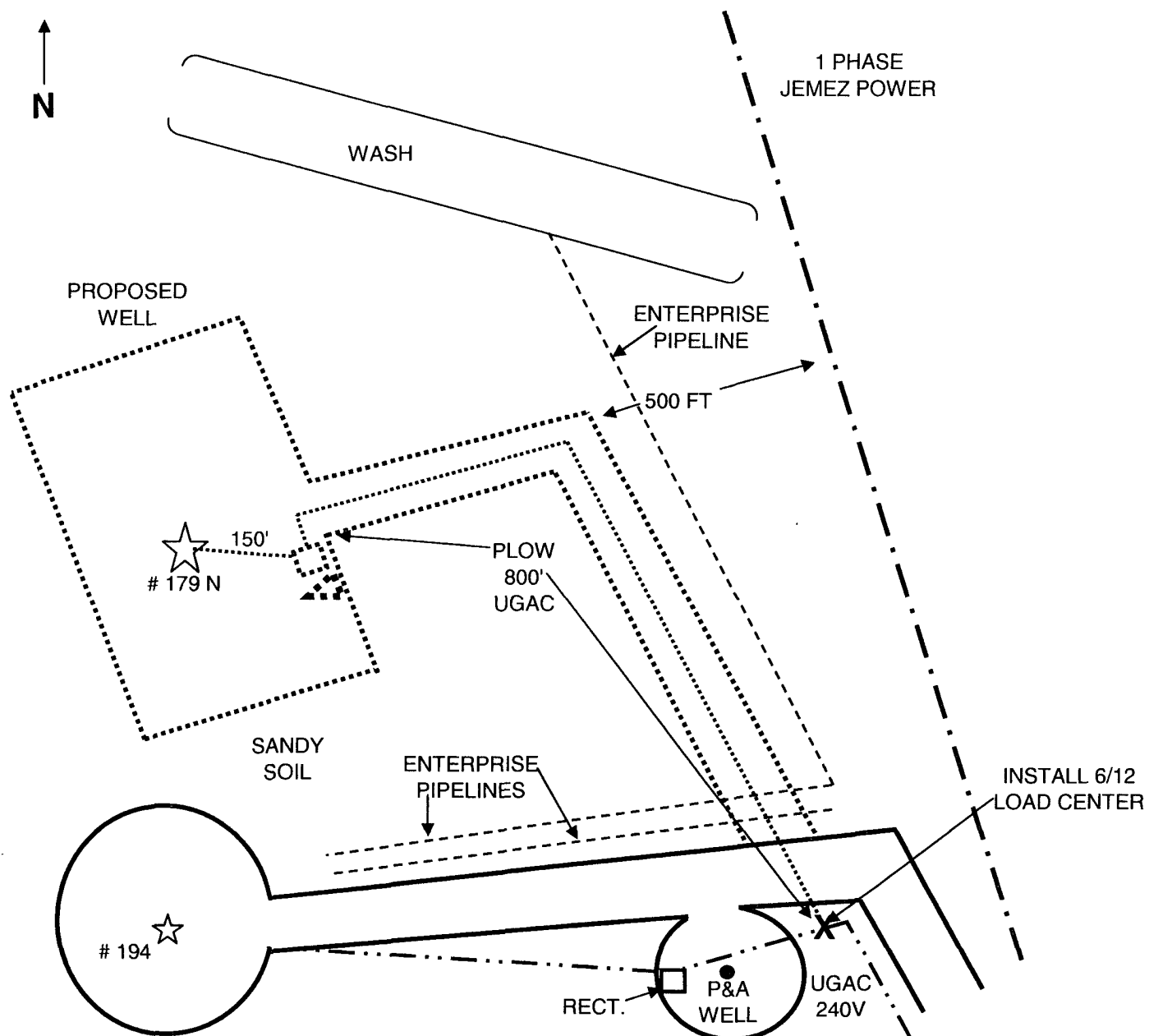
WATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
# 8	200'			
# 8	900'			
			JEMEZ	
			800'	

COMMENTS

INSTALL LOAD CENTER AT ENTRANCE TO P & A WELL - PLOW UGAC TO LOC
(800 FT) - SANDY AREA - INSTALL RECTIFIER SYSTEM

WELL NAME	SAN JUAN 28 - 6 # 179 N
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 179N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8055		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Johnson, David		Phone: +1 505-324-6169	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Datum Code: NAD 27

Latitude: 36.574923	Longitude: -107.423512	X:	Y:	Section: 13	Range: 006W
Footage X: 1025 FWL	Footage Y: 2410 FNL	Elevation: 6309	(FT)	Township: 027N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6321 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6121	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	2318	4003	<input type="checkbox"/>			
KIRTLAND	2509	3812	<input type="checkbox"/>			
FRUITLAND	2697	3624	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3042	3279	<input type="checkbox"/>			
LEWIS	3251	3070	<input type="checkbox"/>			
Intermediate Casing	3351	2970	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 563 ⁷⁸⁵ cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3592	2729	<input type="checkbox"/>			
CHACRA	3997	2324	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4683	1638	<input type="checkbox"/>	588		Gas
MENEFEE	4800	1521	<input type="checkbox"/>			
POINT LOOKOUT	5194	1127	<input type="checkbox"/>			
MANCOS	5684	637	<input type="checkbox"/>			
GALLUP	6384	-63	<input type="checkbox"/>			
GREENHORN	7145	-824	<input type="checkbox"/>			
GRANEROS	7209	-888	<input type="checkbox"/>			
TWO WELLS	7238	-917	<input type="checkbox"/>	2600		Gas
CUBERO	7359	-1038	<input type="checkbox"/>			
LOWER CUBERO	7398	-1077	<input type="checkbox"/>			
ENCINAL	7481	-1160	<input type="checkbox"/>			
Total Depth	7481	-1160	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 755 ⁸⁶³ cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-6 179	
Production	SJ 28-6 181	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 179N

DEVELOPMENT

Production	SJ 28-6 179M	
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Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

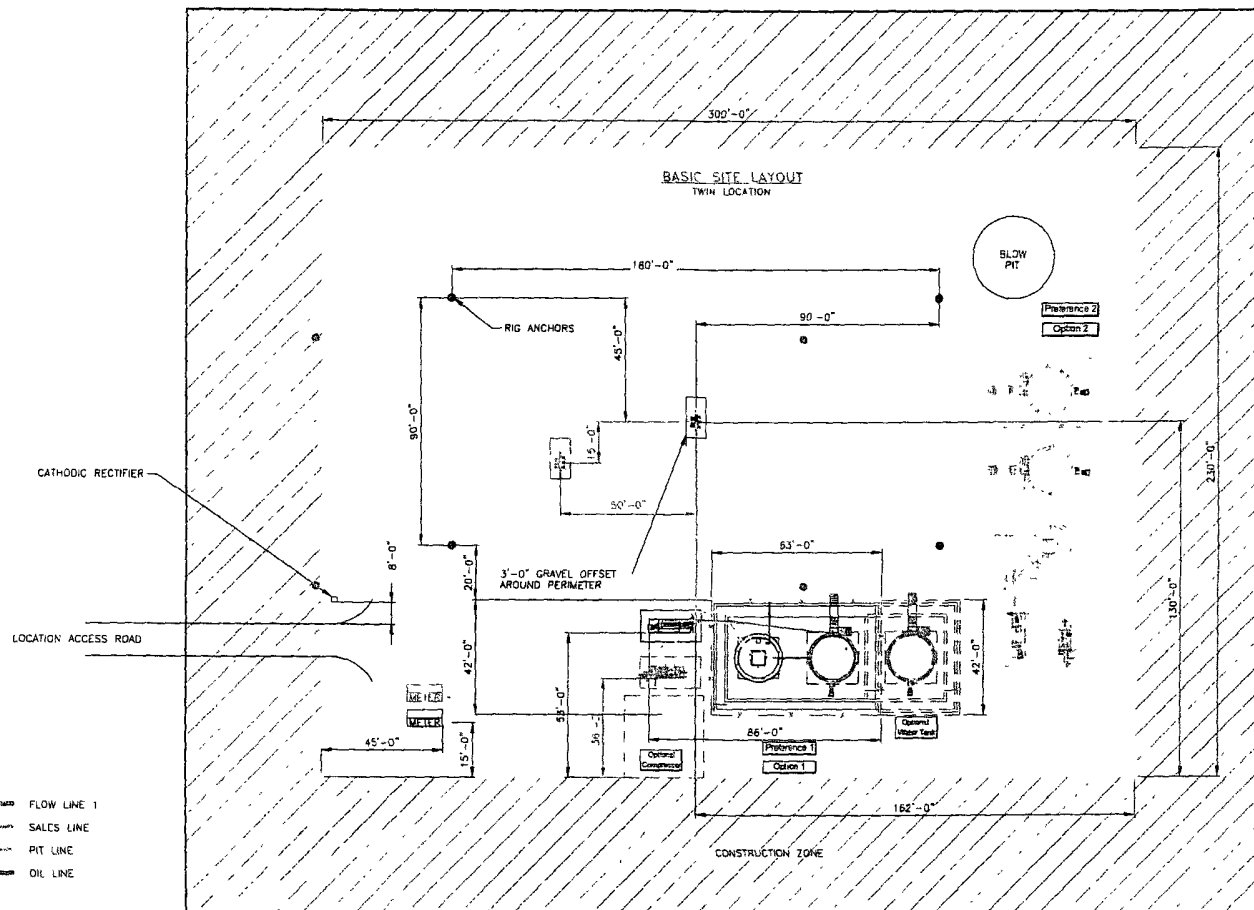
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL. TD at top of ENCN. Bott perf 15' above TD.

Additional Information:


Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MV/DKNM027N006W13NW2 - Avoid C. twin #104 - also see F.D. 5-10-08



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		 CONOCOPhillips		CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DATE	REVIEWED	DATE	NO.	DESCRIPTION			CLIENT NO.	CLIENT NAME	ASPIR. DATE	
										PROJECT							SCALE	1	5	4
										MECHANICAL										
										Piping										
										ELECTRICAL										
										I & C										
										CIVIL/STRUCTURAL										
										PROJECT										
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-6 UNIT #179N

2410' FNL, 1025' FWL

SECTION 13, T-27-N, R-6-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.574932° N LONG.: 107.424115° W

ELEV.: 6309 NAVD88

NEW ACCESS ROAD 49.7'

DRIVING FROM BLOOMFIELD, NEW MEXICO AT THE INTERSECTION OF HWY 550 AND HWY 64. TRAVEL EAST ON HWY 64 FOR 36.4 MILES (MILE POST 101.1) AND TURN RIGHT NEAR GOBERNADOR SCHOOL.

- Go: 4.5 MILES SOUTH ON CR #366 (GENERAL AMERICAN ROAD) AND CROSS INTERSECTION OF CR#495 AND GENERAL AMERICAN ROAD. CONTINUE SOUTH ON MAIN ROAD.
- GO: 5.3 MILES SOUTHERLY ON GENERAL AMERICAN. TURN RIGHT (AT "GRASS HOPPER") HEADING WEST.
- GO: 0.6 MILES WEST. TURN LEFT (SOUTH).
- GO: 1.5 MILES SOUTH. TURN RIGHT NEAR WELL LOCATION.
- GO: 0.9 MILES SOUTH & WEST. TURN LEFT (SOUTH TOWARDS WASH CROSSING).
- GO: 0.4 MILES SOUTH, ACROSS CARRIZO WASH, TURN RIGHT.
- GO: 1.0 MILES WEST. TURN RIGHT, HEADING NORTH WEST ALONG WEST SIDE OF CARRIZO CANYON.
- GO: 1.1 MILES NORTH WEST ALONG WEST CARRIZO WASH.
- BEGIN NEW ACCESS FOLLOWING PIPELINE TRAIL TO THE NORTH WEST FOR 400 FEET, TURNING LEFT, WEST 49.7 FEET TO STAKED WELL PAD.