

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources 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
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-36003	² Pool Code 2260	³ Pool Name Apache Ridge; Bone Spring
⁴ Property Code	⁵ Property Name Federal 6 Com	⁶ Well Number 002
⁷ OGRID No. 162683	⁸ Operator Name CIMAREX ENERGY CO. OF COLORADO	⁹ Elevation 3613' GL

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
G	6	20S	34E		1980	North	1980	East	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

¹² Dedicated Acres 40	¹³ Joint or Infill	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.

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FEDERAL 6 COM #2 BONE SPRING RECOMPLETION

API # 30-025-36003
1980' FNL & 1980' FEL
Section 6, 20S, R-34E
Lea County, New Mexico

GL : 3613' KB : 3633'
 TD DRILLER : 13700' TD LOGGER: 13598'
 SURF CSG : 13-3/8" OD 68/61#/FT J-55 AT 3150' TOC 0' (CIRC)
 INTER CSG: 8-5/8" OD 32 #/FT J-55 @ 4911' DV TOOL AT 3622' TOC 0' (CIRC)
 PROD CSG : 5-1/2" OD 20# P-110 @ 13700' W/ 745 SX.TOC <5000' (CBL)
 ID=4.778", DRIFT=4.653", BURST=12640, CAPACITY=0.9314 GAL/LF
 TUBING: 2-3/8" L-80 WITH OOT AND AS1X PKR AT 13123'
 ID=1.995", DRIFT=1.901", BURST=12860 PSI, CAPACITY=0.1624 GAL/LF
 PERFS: 13198-210' (2 SPF), 13222-228' (3 SPF), 13261-266' (3 SPF), 13288-292 (3 SPF),
 13300-302' (3 SPF), BELOW PLUGS: 13344-354' (6 SPF) 13393-404' (6 SPF)

1. MIRU PU. KILL WELL WITH 2% KCL IF NECESSARY. NIPPLE UP 3K MANUAL BOPS. RELEASE PACKER AND TOH WITH TUBING AND PACKER. TALLY TUBING OUT OF THE HOLE. LAY DOWN 3400' OF TUBING.
2. MIRU WIRELINE. RIH WITH GR/JUNK BASKET TO 13,190'. RIH W/ CAST IRON BRIDGE PLUG TO +/-13150' AND SET. DUMP BAIL 35' CEMENT ON TOP. SET ANOTHER CIBP WITHIN 3000' OF PREVIOUS CIBP (+/-10200'). LOAD HOLE W/ 2% KCL AND TEST CASING AND PLUG TO 3000 PSI. PERFORATE BONE SPRING AIRSTRIP DOLOMITE (3 SPF, 120 DEG PHASING) AS FOLLOWS:

ZONE	INTERVAL		FOOTAGE	HOLES
	TOP	BOTTOM		
Bone Sp	9526.0	9537.0	11	33
Bone Sp	9542.0	9550.0	8	24
Bone Sp	9556.0	9566.0	10	30
Bone Sp	9581.0	9596.0	15	45
Bone Sp	9606.0	9614.0	8	24
Bone Sp	9618.0	9624.0	6	18
TOTAL			58	174

PERFS TO BE CORRELATED TO HALLIBURTON SD/DSN LOG 10/25/2002
 MONITOR FLUID LEVEL IN AND OUT OF HOLE. RDMO WIRELINE.

3. TIH WITH PACKER (WITH BYPASS) ON TUBING. SET PACKER AT 9450'. SPOT 500 GAL 15% NEFE BONE SPRING ACID TO END OF TUBING USING 2% KCL. BREAKDOWN PERFS. ONCE OPEN, RESUME ACID AND BREAKDOWN PERFS WITH 5800 GAL 15% NEFE BONE SPRING ACID AND 300 BALL SEALERS MAXIMIZING RATE AT MAX PRESSURE 4500 PSI. TOTAL ACID 6300 GAL. RECORD ISIP AND ONE-SECOND PRESSURE DATA FOR AN HOUR (UNLESS WELL GOES ON VACUUM). SWAB FOR MAX TWO DAYS TO RECOVER ACID LOAD AND TO SEE IF WELL WILL KICK-OFF FLOWING.
4. CONSULT WITH MIDLAND FOR NEXT STEPS. 1) IF WELL FLOWING, BUT NOT STEADILY, WILL KILL WELL AND TOH WITH TUBING AND PACKER AND EVALUATE PLUNGER LIFT. IF WELL NOT PRODUCING OIL, WILL CALL NMOCD TO SEE IF WELL CAN BE TA'D BY TESTING CASING (WITH PACKER IN THE HOLE).

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