

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

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

SEP 03 2013

INVOCD ARTESIA

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Apache Corporation 303 Veterans Airpark Lane, Suite 3000, Midland, TX 79705		UGRID Number 873
		APT Number 30-015-22527
Property Code 309164	Property Name Empire Abo Unit	Well No. 223

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
F	6	18 S	28 E		2630	N	1930	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name Empire Abo Unit	Pool Code 22040
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Additional Well Information

11. Work Type PB	12. Well Type I	13. Cable/Rotary R	14. Lease Type S	15. Ground Level Elevation 3,644.3
16. Multiple No	17. Proposed Depth 6,250'	18. Formation Abo	19. Contractor	20. Spud Date Upon Approval
Depth to Ground water: >100'		Distance from nearest fresh water well: >1 mile		Distance to nearest surface water: >400'

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	11"	8-5/8"	24	585'	300	GL
Production	7-7/8"	5-1/2"	15.5	6250'	1,140	GL

Casing/Cement Program: Additional Comments

Will convert to gas injector

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
	2,000	2,000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

Brian Wood

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: 8-29-13

Phone: 505 466-8120

OIL CONSERVATION DIVISION

Approved By:

T. C. Shepard

Title:

"Geologist"

Approved Date:

9/4/2013

Expiration Date:

9/4/2015

Conditions of Approval:

C-108 approval required

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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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-22527		² Pool Code 22040		³ Pool Name Empire; Abo	
⁴ Property Code 309164		⁵ Property Name Empire Abo Unit			⁶ Well Number 223
⁷ OGRID No. 873		⁸ Operator Name Apache Corporation			⁹ Elevation 3,644.3' 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
F	6	18 S	28 E		2630	North	1930	West	Eddy

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	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.

¹⁶ 	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 leased 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.			
	Signature Brian Wood		Date 8-29-13	
	Printed Name brian@permitswest.com			
	E-mail Address			
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this 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. Dec. 19, 1977	Date of Survey Signature and Seal of Professional Surveyor: Original survey by John W. West on file with OCD			
	Certificate Number 676			

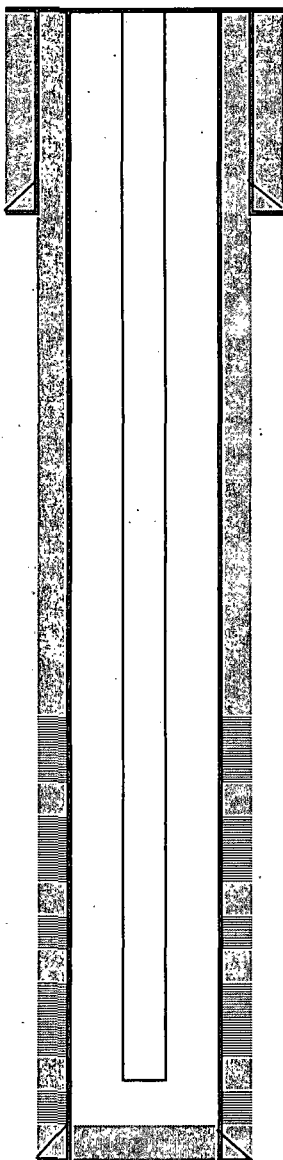
Apache Corp.

GROUP: Permian North
FIELD: Artesia (BP)
LEASE/UNIT: Empire Abo Unit
COUNTY: Eddy
API: 30-015-22527

DATE: Jun. 20, 2013
BY: Hillari J. Gould
WELL: J-223
STATE: New Mexico

Unit Letter F, Section 6, T-18-S, R-28-E
Spud Date: 04/22/78

KB = 10'
GL = 3644'



8 5/8" 24# K-55 Set @ 585'; 11" hole
CMT W/ 300 SX (SURF/CIRC)

TBG @ 6162'

ABO

5/78: Perf & SQZ @ 6031' w/ 150 sx cmt

5/78: Perf @ 6080-6096' w/ 2 JSPF

5/78: Acidized w/ 300 gal 15% NE, 500 gal 10# CaCl, 500 gal LC, 2000 gal 60/40 DAD

2/79: SQZ perfs (6080-6096') w/ 100 sx cmt

ABO

2/79: Perf @ 6177-6197' w/ 2 JSPF

3/94: Perf @ 5990-6128

3/94: Acidized w/ 3000 gals 15% NEFE & Convert to GIW

5/02: Perf @ 5680-84', 5693-98', 5735-39', 5757-59', 5763-69, 5785-96, 5870 w/ 2 JSPF

5/02: Acidized w/ 1600 gals 15% HCL & 110 BS

5 1/2" 15.5# K-55 Set @ 6250'; 7-7/8" hole
CMT W/ 1040 SX (SURF/CIRC)

TD: 6250'
PBTD: 6200'

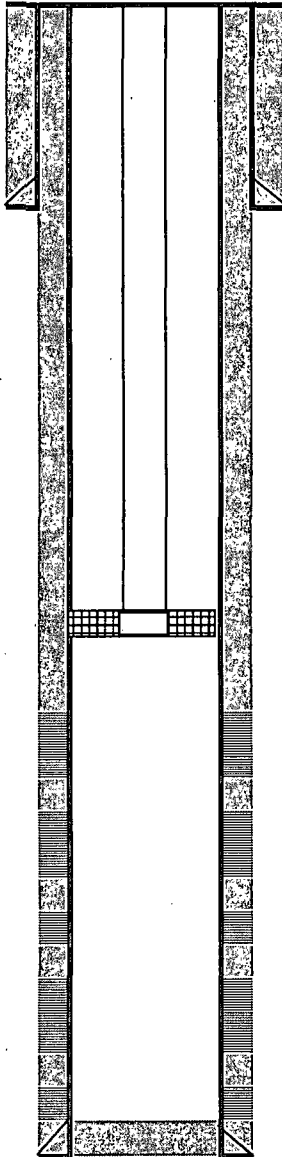
Apache Corp.
Proposed

GROUP: Permian North
FIELD: Artesia (BP)
LEASE/UNIT: Empire Abo Unit
COUNTY: Eddy
API: 30-015-22527

DATE: Jun. 20, 2013
BY: Lucas Emmett
WELL: J-223
STATE: New Mexico

Unit Letter F, Section 6, T-18-S, R-28-E
Spud Date: 04/22/78

KB = 10'
GL = 3644'



8 5/8" 24# K-55 Set @ 585'; 11" hole
CMT W/ 300 SX (SURF/CIRC)

Future
TUBING @ 5580'
2-7/8" x 5-1/2" nickel plated packer @ 5580'

ABO
5/78: Perf & SQZ @ 6031' w/ 150 sx cmt
5/78: Perf @ 6080-6096' w/ 2 JSPF
5/78: Acidized w/ 300 gal 15% NE, 500 gal 10# CaCl, 500 gal LC, 2000 gal 60/40 DAD
2/79: SQZ perfs (6080-6096') w/ 100 sx cmt

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TD: 6250'
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