

District I
1636 N French Ct., 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
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

ARTESIA DISTRICT
MAR 29 2017
RECEIVED
☐ AMENDED REPORT

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

Operator Name and Address Apache Corporation: 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705		OGRIID Number 873
Property Code 309175		API Number 30-015-22465
Property Name WASHINGTON 33 STATE		Well No #030

Surface Location

UL - Lot P	Section 33	Township 17S	Range 28E	Lot Idn	Feet from 750	N/S Line SOUTH	Feet From 1150	E/W Line EAST	County EDDY CO, NM
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Proposed Bottom Hole Location

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

Pool Name EMPIRE :YATES SEVEN RIVERS,EAST	Pool Code 22260
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Additional Well Information

Work Type PLUG BACK-P	Well Type OIL	Cable/Rotary	Lease Type STATE	Ground Level Elevation 3662 GL
Multiple NO	Proposed Depth	Formation SEVEN RIVERS	Contractor	Spud Date 04/12/1978
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

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

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
	11	8 5/8	24 K-55	600	300	CIRC TO SURF
	7-7/8	5 1/2	14# K-55	6000'		
			15.5 K-55	6370	1750	CIR TO SURF

Casing/Cement Program: Additional Comments

ABANDON-SAN ANDRES PERFS W/CIBP + 35 SX, ADD SEVEN RIVERS PERFS. IF SUCESSFUL,DHC SEVEN RIVERS W/ QUEEN
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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> if applicable. Signature: Printed name: Emily Follis Title: Reg Analyst E-mail Address: Emily.follis@apachecorp.com Date: 3/29/17 Phone: (432) 818-1801		OIL CONSERVATION DIVISION Approved By: Title: Geologist Approved Date: 3-29-2017 Expiration Date: 3-29-2019 Conditions of Approval Attached	
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March 2, 2017

Washington 33 State # 30
API # 30-015-22465
Eddy County, NM

Production Casing: 5-1/2" 15.5# K-55 Set @ 6,262'
Current Producing Interval: 1,658-2,978' in the Artesia; Queen-Grayburg-San Andres (3230)

Objective:

Isolate San Andres completion and add perfs in the Seven Rivers. Evaluate Seven Rivers production. If successful, pull RPB and downhole commingle pre-existing Queen perfs with Seven Rivers. If necessary a DHC application will be filed at that time.

Procedure:

1. POOH with rods and tbg
2. Scan tbg and mark junk pipe
3. Set CIBP @ 2,430' and dump bail 35' of cmt to abandon San Andres
4. Perf (4 spf, 60° phasing) in the Seven Rivers:
 - 1,144-48'
 - 1,179-86'
 - 1,199-207'
 - 1,219-31'
5. RIH testing tbg, pick up RBP w/ ball catcher and tension set packer
6. Set RBP @ 1,380' to temporarily isolate Queen perfs
7. Set tension set packer @ 1,100'
8. Acidize perfs with 900 gallons of 15%
9. Use balls for diversion
10. Swab test well for 2 days
11. Run production equipment as needed to produce Seven Rivers

Future Activity:

If Seven Rivers is productive Apache will request downhole commingle authority for Queen and Seven Rivers, upon approval, RBP will be removed and production will be from the combined Queen and Seven Rivers formations. ✓

RWP

Apache Corp.

GROUP:	Permian North	DATE:	Mar. 29, 2017
FIELD:	Empire (BP)	BY:	MM
LEASE/UNIT:	Washington 33 State	WELL:	#30
COUNTY:	Eddy	STATE:	New Mexico
API:	30-015-22465		
LOCATION:	Section 33, Unit P, T-17-S, R-28-E, 750' FSL, 1150' FEL		

Spud Date: 3/28/1978

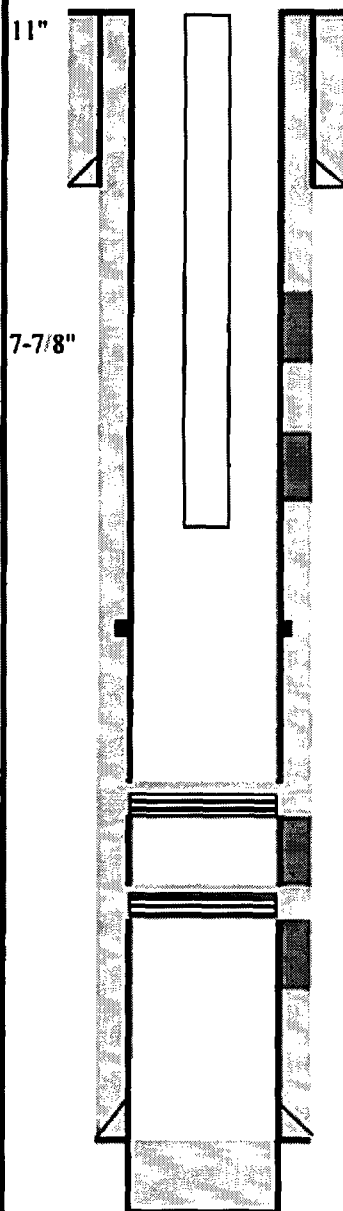
KB = 10'

Rig Release Date: 4/12/1978

GL = 3662'

TA'd: 6/19/1991

RWTP: 9/8/1998



8-5/8" 24# K-55 Set @ 600'
CMT W/ 300 SX circ to surface

QUEEN

2/1999: 1658'-2266' W/1 JSPF, 39 holes

8/1999: 2256'-2270' w/2 JSPF, 15 holes

SAN ANDRES

9/1998: 2480'-2978' w/1 SPF, 51 holes

2-7/8" tbg @ 2987'

DVT @ 3009'

6/1991: CIBP @ 6147' w/ 35' cmt

ABO

4/1978: 6150'-6160' W/2 JSPF, 20 holes

4/1978: CIBP @ 6190' w/35' cmt

ABO

4/1978: 6214'-6230' w/2 JSPF

5-1/2" 15.5# K-55 Set @ 6262'

CMT W/ 1275 SX circ to surface

4/1978: CR @ 6250'

4/1978: Sq'd OH (6262'-6290') w/175 sx cmt

PBTD: 6094'

TD: 6290'

Note: not to scale

Raw

Apache Corp.

Proposed

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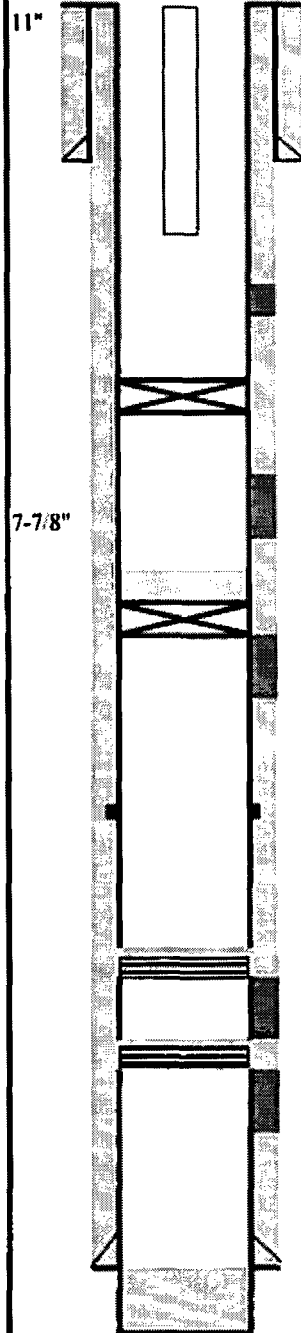
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SEVEN RIVERS - PROPOSED PERFS
1,144-48', 1,179-86', 1,199-207', 1,219-31' - 4 SPF

Proposed RBP @ 1,380'

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2/1999: 1658'-2266' w/1 JSPF, 39 holes
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