

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**Energy Minerals and Natural Resources****Oil Conservation Division**

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

HOBBS OGD**NOV 14 2014****RECEIVED**
☐ AMENDED REPORT
APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address Apache Corporation: 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705		2. OGRID Number 873
		3. API Number 30-025-06376
4. Property Code 23116	5. Property Name State Section 2	6. Well No. 010

7. Surface Location

UL - Lot L	Section 2	Township 21S	Range 37E	Lot Idn	Feet from 2310	N/S Line S	Feet From 988	E/W Line W	County Lea
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8. 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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9. Pool Information

Pool Name Eunice; B-T-D, North	Pool Code 22900
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Additional Well Information

11. Work Type P	12. Well Type O	13. Cable/Rotary	14. Lease Type S	15. Ground Level Elevation 3474'
16. Multiple No	17. Proposed Depth 7985'	18. Formation Hare Simpson	19. Contractor	20. Spud Date 12/05/1951
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

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17-1/4"	13-3/8"	48#	211'	250 sx Class C	Circ to Surface
Interm	11"	8-5/8"	32#	3152'	1800 sx Class C	Circ to Surface
Prod	7-7/8"	5-1/2"	15.5/17#	7984'	870 sx Class C	Circ

Casing/Cement Program: Additional Comments

Apache would like to recomplete this well to the Blinbry-Tubb-Drinkard & reactivate as unit well #371 in the Northeast Drinkard Unit.

22. 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 ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature: *Reesa Fisher*

Printed name: Reesa Fisher

Title: Sr Staff Reg Analyst

E-mail Address: Reesa.Fisher@apachecorp.com

Date: 11/6/2014

Phone: (432) 818-1062

OIL CONSERVATION DIVISION

Approved By:

Title: *Petroleum Engineer*

Approved Date: *11/17/14*

Expiration Date: *11/17/16*

E-PERMITTING - - New Well _____

Comp _____ P&A _____ TA _____

CSNG _____ Loc Chng _____

ReComp _____ Add New Well _____

Cancl Well _____ Create Pool _____

NOV 18 2014

State Section 2 #10 (Proposed NEDU #371, API: 30-025-06376)

Proposed Workover Procedure: Reactivate Well and Recomplete in the Blinebry, Tubb, & Drinkard Formations

Day 1: MIRU SR, NU BOPs. PU & RIH w/ 3-1/2" L-80 work string and casing scraper to +/-6,800'. P/T tubing to 8,000 psi

Day 2: Cont. to RIH w/ 3-1/2" w/ 3-1/2" L-80 work string and casing scraper to +/-6,800'. POOH

Day 2: RU WL and run GR/CCL/CBL under 1,000 psi of pressure from PBTD to surface. Correlate depths to McCullough GR-Neutron log run 4/29/1963, POOH & RD WL

Confirm acceptable top of cement and adequate cement quality across proposed perforation intervals before proceeding

RIH w/WL & perforate Stage 1 according to the attached sheet w/ 3-1/8" slick guns loaded w/ Owen TAG-3375-311SL Charges (19g, 0.34" EHD), or equivalent @ 1 SPF, 180 degree phasing (total 22 feet, 22 shots), POOH & RD WL

PU & RIH w/treating packer on 3-1/2" work string to +/-6,330'

Day 3: MIRU frac equipment. Spot acid across perforations & PUH and set packer @ +/-6,330'

Acidize Stage 1 perforations w/2,000 gals 15% HCl and ball sealers @ +/-10 BPM. Release packer and run through perfs to knock off balls. PUH and re-set packer @ +/-6,330'

Frac Stage 1 w/190,000 lbs 20/40 proppant down 3-1/2" tubing @ 35 – 40 BPM (pressure permitting, max pressure is 7,500 psi) in 25# XL gel as per frac program

SWI until pressure bleeds off, release packer & POOH w/ 3-1/2" tubing

Day 4: Cont. POOH w/ 3-1/2" tubing

MIRU WL, RIH & set CBP @ +/- 6340', PUH & perforate Stage 2 according to the attached sheet w/ 3-1/8" slick guns loaded w/ Owen TAG-3375-311SL Charges (19g, 0.34" EHD), or equivalent @ 1 SPF, 180 degree phasing (total 22 feet, 22 shots), POOH & RD WL

PU & RIH w/treating packer on 3-1/2" work string to +/-5,950'

Day 5: MIRU frac equipment. Spot acid across perforations & PUH and set packer @ +/- 5,950'

Acidize the Stage 2 perforations w/ 2,000 gals 15% HCl and ball sealers @ +/- 10 BPM. Release packer and run through perfs to knock off balls. PUH and re-set packer @ +/-5,950'

Frac Stage 2 w/180,000 lbs 20/40 proppant down 3-1/2" tubing @ 35 – 40 BPM (pressure permitting, max pressure is 7,500 psi) in 25# XL gel as per frac program

SWI until pressure bleeds off, release packer & POOH w/ 3-1/2" tubing

Day 6: Cont. to POOH w/3-1/2" tubing

PU & RIH w/4-3/4" bit on 2-7/8" tubing

Day 7: Cont. RIH w/4-3/4" bit on 2-7/8" tubing

MIRU nitrogen unit. Clean well out to CBP. Drill out CBP and clean well out to PBTD @ +/-6,840', circulate well clean & POOH w/2-7/8" tubing

Day 8: Cont. POOH w/ 2-7/8" tubing.

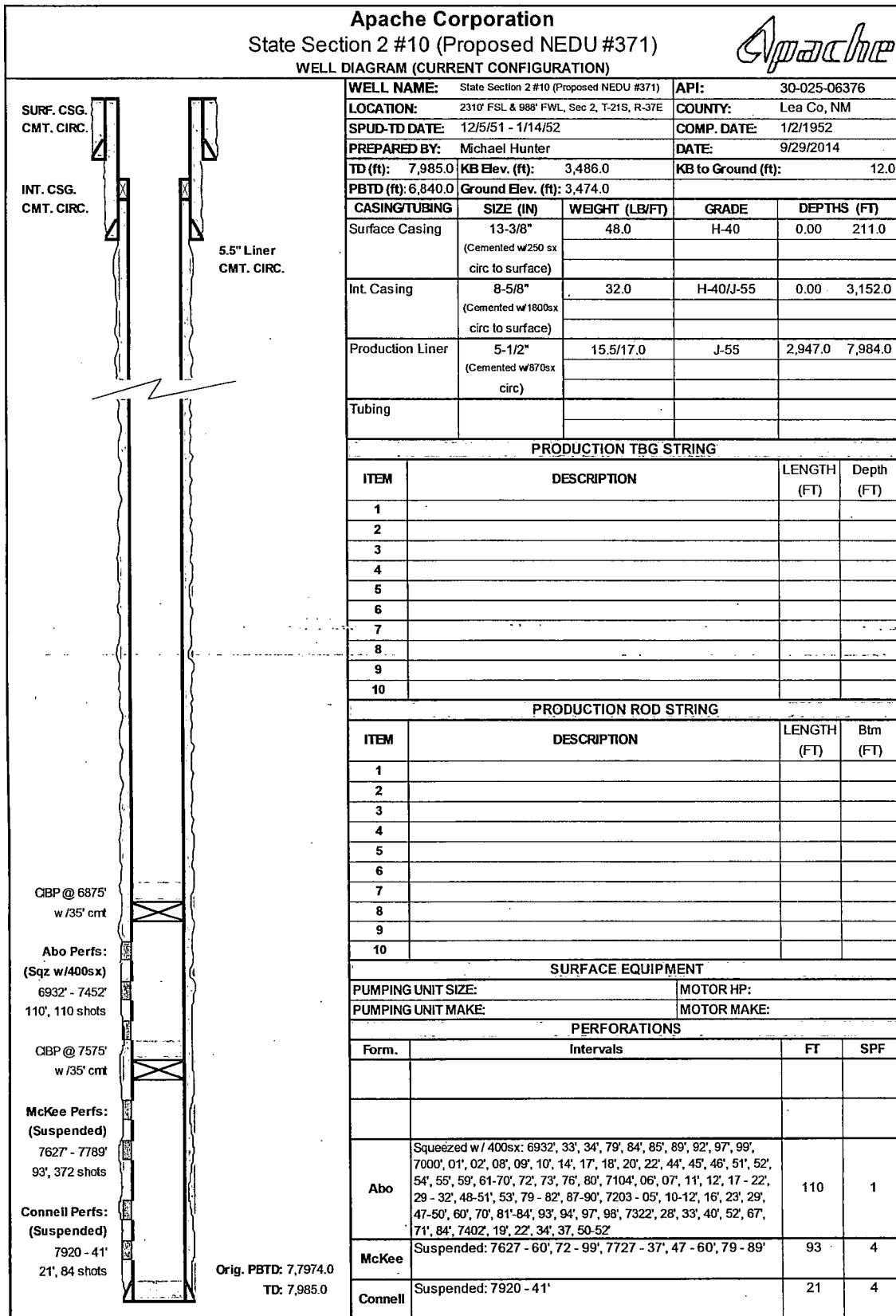
RIH w/ 2-7/8" production tubing to +/- 6800'

Day 9: RIH w/ 1-1/2" pump and rods. Place well on production. Place well in test

State Section 2 #10 (Proposed NEDU #372) Stage 1 Perforation Intervals							
Guns: 3-1/8" slick guns w/ Owen TAG-3375-311SL Charges (19g, 0.34" EHD), or equivalent							
Stage	Zone	Top	Bottom	Ft	SPF	Shots	Phasing
1	Tubb	6361	6361	1	1	1	180
1	Tubb	6375	6375	1	1	1	180
1	Tubb	6387	6387	1	1	1	180
1	Tubb	6420	6420	1	1	1	180
1	Tubb	6433	6433	1	1	1	180
1	Tubb	6441	6441	1	1	1	180
1	Tubb	6458	6458	1	1	1	180
1	Tubb	6465	6465	1	1	1	180
1	Tubb	6497	6497	1	1	1	180
1	Tubb	6519	6519	1	1	1	180
1	Tubb	6537	6537	1	1	1	180
1	Tubb	6547	6547	1	1	1	180
1	Tubb	6559	6559	1	1	1	180
1	Drinkard	6604	6604	1	1	1	180
1	Drinkard	6615	6615	1	1	1	180
1	Drinkard	6627	6627	1	1	1	180
1	Drinkard	6642	6642	1	1	1	180
1	Drinkard	6652	6652	1	1	1	180
1	Drinkard	6707	6707	1	1	1	180
1	Drinkard	6720	6720	1	1	1	180
1	Drinkard	6732	6732	1	1	1	180
1	Drinkard	6741	6741	1	1	1	180

State Section 2 #10 (Proposed NEDU #372) Stage 2 Perforation Intervals							
Guns: 3-1/8" slick guns w/ Owen TAG-3375-311SL Charges (19g, 0.34" EHD), or equivalent							
Stage	Zone	Top	Bottom	Ft	SPF	Shots	Phasing
2	Bliebry	6001	6001	1	1	1	180
2	Bliebry	6009	6009	1	1	1	180
2	Bliebry	6017	6017	1	1	1	180
2	Bliebry	6025	6025	1	1	1	180
2	Bliebry	6037	6037	1	1	1	180
2	Bliebry	6044	6044	1	1	1	180
2	Bliebry	6057	6057	1	1	1	180
2	Bliebry	6134	6134	1	1	1	180
2	Bliebry	6145	6145	1	1	1	180
2	Bliebry	6150	6150	1	1	1	180
2	Tubb	6171	6171	1	1	1	180
2	Tubb	6183	6183	1	1	1	180
2	Tubb	6194	6194	1	1	1	180
2	Tubb	6212	6212	1	1	1	180
2	Tubb	6223	6223	1	1	1	180
2	Tubb	6231	6231	1	1	1	180
2	Tubb	6239	6239	1	1	1	180
2	Tubb	6266	6266	1	1	1	180
2	Tubb	6282	6282	1	1	1	180
2	Tubb	6289	6289	1	1	1	180
2	Tubb	6299	6299	1	1	1	180
2	Tubb	6311	6311	1	1	1	180

Current Wellbore Diagram



Proposed Wellbore Diagram

