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

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-39494
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name West Blinbry Drinkard Unit (WBDU) / 37346
8. Well Number 110
9. OGRID Number 873
10. Pool name or Wildcat Eunice; B-T-D, North (22900)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3468' GL

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Apache Corporation	
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705	
4. Well Location Unit Letter <u>P</u> : <u>140</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>East</u> line Section <u>04</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3468' GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☒	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: CO/ADD PAY/ACIDIZE ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to CO, add pay and acidize the Drinkard, per the attached.

Spud Date:

10/7/2009

Rig Release Date:

10/13/2009

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

SIGNATURE

Reesa Fisher

TITLE Sr. Staff Reg Analyst

DATE 2/8/2017

Type or print name Reesa Fisher

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

PHONE: (432) 818-1062

For State Use Only

APPROVED BY:

[Signature]

TITLE

Petroleum Engineer

DATE

02/10/17

Conditions of Approval (if any):

WBDU 110 (API: 30-25-39494) Proposed Procedure

Clean out, add pay, and acid stimulate Drinkard

- Day 1:** MIRU. NU HBOP. POOH w/pump and rods. Scan out of hole w/ 2-7/8" tubing. PU and RIH w/bit and drill collars on 2-7/8" work string.
- Day 2:** RU and break circulation with foam nitrogen unit. Clean out well to PBTD. Circulate clean. POOH and LD bit and drill collars.
- Day 3:** MIRU WL. RIH correlate depths to CNL/GR/CCL log run 10/13/2009.
Perforate Drinkard as per the attached sheet w/ 3-1/8" slick guns loaded w/ Owen SDP charges @ 2 SPF, 90 deg phasing (total 65', 130 shots). POOH.
- Day 4:** RIH w/ 2-7/8" work string and treating packer. Set packer at +/- 6,570'. Acidize the Drinkard formation down 2-7/8" work string w/10000 gal of 15% HCl acid w/scale inhibitor and rock salt @ +/- 10 BPM (max pressure = 4,000 psi). Release packer. Wash out salt.
POOH w/ 2-7/8" work string, packer, and RBP. LD 2-7/8" work string.
- Day 5:** RIH w/ 2-7/8" tubing and SN to +/- 6,780'. Swab well for approximately 4 hours to flow back any scale and/or insoluble iron. RIH w/ pump and rods. Place well on production. RDMO.

WBDU 110 Perforations					
Guns: 3-1/8" TAG w/SDP Charges					
Zone	Top	Bottom	Feet	SPF	Shots
Drinkard	6611	6629	19	2	38
Drinkard	6633	6637	5	2	10
Drinkard	6643	6648	6	2	12
Drinkard	6660	6666	7	2	14
Drinkard	6673	6684	12	2	24
Drinkard	6692	6697	6	2	12
Drinkard	6700	6709	10	2	20
Total			65		130

Current Wellbore Diagram



Downhole Well Profile w Cement

Well Name: WBDU 110

Reference Datum: KB

API/UVI 3002539494	Surface Legal Location 140' FSL, 330' FEL, Unit P, Sec 4, T-21S, R-37E	Field Name EUNICE AREA (WBDU)	State/Province New Mexico	Well Purpose Production
Spud Date 10/7/2009 18:00	Original Drilling Rig Release 3,479.0	Ground Elevation (ft) 3,468.0	KB-Ground Distance (ft) 11.0	Casing Flange Elevation (ft)
PSTD (ft) (ftKB) Original Hole - 6,823		Total Depth All (TVD) (ftKB)		

Production - WEST BLINEBRY DRINKARD UNIT 110 - Original Hole, 1/11/...		Casing Strings				
MD (ftKB)	Vertical schematic (actual)	Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
		Surface	8 5/8	24.00	K-55	1,293.00
		Prod 1	5 1/2	17.00	K-55	6,867.00
		Cement				
		String Surface, 1,293.00ftKB	Description PRIM CMT 1ST STAGE	Top Depth (ftKB) 11.00	Bottom Depth (ftKB) 1,293.00	Top Meas Meth Returns at Surface
		String Prod 1, 6,867.00ftKB	Description Cement Plug	Top Depth (ftKB) 6,823.00	Bottom Depth (ftKB) 6,867.00	Top Meas Meth Tag
		String Prod 1, 6,867.00ftKB	Description PRIM CMT 1ST STAGE	Top Depth (ftKB) 200.00	Bottom Depth (ftKB) 6,867.00	Top Meas Meth Log
		Perforations				
Date	Type	Top (ftKB)	Bot (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Open or Closed
10/21/2009	Blindbry	5,633	5,633	2.0	2	
10/21/2009	Blindbry	5,640	5,640	2.0	2	
10/21/2009	Blindbry	5,652	5,652	2.0	2	
10/21/2009	Blindbry	5,656	5,656	2.0	2	
10/21/2009	Blindbry	5,662	5,662	2.0	2	
10/21/2009	Blindbry	5,669	5,669	2.0	2	
10/21/2009	Blindbry	5,684	5,684	2.0	2	
10/21/2009	Blindbry	5,691	5,691	2.0	2	
10/21/2009	Blindbry	5,697	5,697	2.0	2	
10/21/2009	Blindbry	5,753	5,753	2.0	2	
10/21/2009	Blindbry	5,757	5,757	2.0	2	
10/21/2009	Blindbry	5,762	5,762	2.0	2	
10/21/2009	Blindbry	5,769	5,769	2.0	2	
10/21/2009	Blindbry	5,780	5,780	2.0	2	
10/21/2009	Blindbry	5,783	5,783	2.0	2	
10/21/2009	Blindbry	5,795	5,795	2.0	2	
10/21/2009	Blindbry	5,837	5,837	2.0	2	
10/21/2009	Blindbry	5,846	5,846	2.0	2	
10/21/2009	Blindbry	5,857	5,857	2.0	2	
10/21/2009	Blindbry	5,865	5,865	2.0	2	
10/21/2009	Blindbry	5,871	5,871	2.0	2	
10/21/2009	Blindbry	5,887	5,887	2.0	2	
10/21/2009	Blindbry	5,936	5,936	2.0	2	
10/21/2009	Blindbry	5,958	5,958	2.0	2	
10/21/2009	Tubb	6,142	6,142	2.0	2	
10/21/2009	Tubb	6,146	6,146	2.0	2	
10/21/2009	Tubb	6,165	6,165	2.0	2	
10/21/2009	Tubb	6,169	6,169	2.0	2	
10/21/2009	Tubb	6,205	6,205	2.0	2	
10/21/2009	Tubb	6,213	6,213	2.0	2	
10/21/2009	Tubb	6,220	6,220	2.0	2	
10/21/2009	Tubb	6,240	6,240	2.0	2	
10/21/2009	Tubb	6,250	6,250	2.0	2	
10/21/2009	Tubb	6,256	6,256	2.0	2	
10/21/2009	Tubb	6,262	6,262	2.0	2	
10/21/2009	Tubb	6,267	6,267	2.0	2	
10/21/2009	Tubb	6,272	6,272	2.0	2	
10/21/2009	Tubb	6,279	6,279	2.0	2	
10/21/2009	Tubb	6,283	6,283	2.0	2	
10/21/2009	Tubb	6,287	6,287	2.0	2	
10/21/2009	Tubb	6,295	6,295	2.0	2	
10/21/2009	Tubb	6,298	6,298	2.0	2	
10/21/2009	Tubb	6,318	6,318	2.0	2	



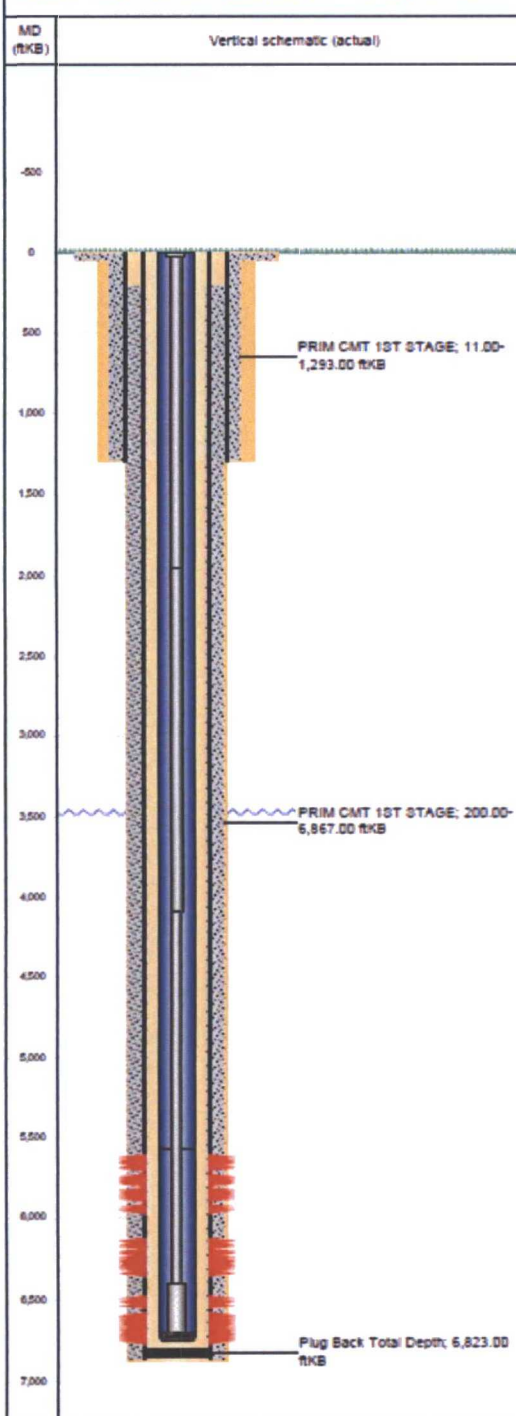
Downhole Well Profile w Cement

Well Name: WBDU 110

Reference Datum: KB

API/UVI 3002539494	Surface Legal Location 140' FSL, 330' FEL, Unit P, Sec 4, T-21S, R-37E	Field Name EUNICE AREA (WBDU)	State/Province New Mexico	Well Purpose Production
Spud Date 10/7/2009 18:00	Original Drilling Rig Release	Original KB Elevation (ft) 3,479.0	Ground Elevation (ft) 3,468.0	KB-Ground Distance (ft) 11.0
FBTD (ft) (ftKB) Original Hole - 8,823		Total Depth All (TVD) (ftKB)		

Production - WEST BLINERY DRINKARD UNIT 110 - Original Hole, 1/11/...



Perforations

Date	Type	Top (ftKB)	Botm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Open or Closed
10/21/2009	Tubb	6,344	6,344	2.0	2	
10/19/2009	Drinkard	6,498	6,498	2.0	2	
10/19/2009	Drinkard	6,516	6,516	2.0	2	
10/19/2009	Drinkard	6,536	6,536	2.0	2	
10/19/2009	Drinkard	6,598	6,598	2.0	2	
10/19/2009	Drinkard	6,603	6,603	2.0	2	
10/19/2009	Drinkard	6,614	6,614	2.0	2	
10/19/2009	Drinkard	6,619	6,619	2.0	2	
10/19/2009	Drinkard	6,627	6,627	2.0	2	
10/19/2009	Drinkard	6,636	6,636	2.0	2	
10/19/2009	Drinkard	6,645	6,645	2.0	2	
10/19/2009	Drinkard	6,662	6,662	2.0	2	
10/19/2009	Drinkard	6,678	6,678	2.0	2	
10/19/2009	Drinkard	6,683	6,683	2.0	2	
10/19/2009	Drinkard	6,694	6,694	2.0	2	
10/19/2009	Drinkard	6,702	6,702	2.0	2	
10/19/2009	Drinkard	6,710	6,710	2.0	2	
10/19/2009	Drinkard	6,716	6,716	2.0	2	
10/19/2009	Drinkard	6,720	6,720	2.0	2	
10/19/2009	Drinkard	6,732	6,732	2.0	2	
10/19/2009	Drinkard	6,734	6,734	2.0	2	
10/19/2009	Drinkard	6,744	6,744	2.0	2	
10/19/2009	Drinkard	6,752	6,752	2.0	2	

Tubing Strings

Tubing Description		Run Date		String Length (ft)		Set Depth (ft/B)	
Tubing - Production		6/18/2013		6,742.25		6,753.3	
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing			T&C Upset	2 7/8	6.50	J-55	5,573.14
Anchor/catcher				5 1/2			2.70
Tubing			T&C Upset	2 7/8	6.50	J-55	1,132.83
Blast Joint				2 7/8	6.50	J-55	32.48
Seat Nipple				2 7/8			1.10

Rod Strings

Rod Description		Run Date	String Length (ft)		Set Depth (ft)(B)		
Rod		6/18/2013	6,729.9		6,729.9		
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Polished Rod SM		Norris	Stainless Steel	1 1/2			26.00
Pony Rod w/ SSMH Cplg				1	2.90	KD	4.00
Sucker Rod w/ SSMH Cplg		Norris	Grade 40	1	2.90	KD	1,925.00
Sucker Rod w/ SMFH Cplg		Norris	Grade 40	7/8	2.22	KD	2,125.00
Sucker Rod w/ SMFH Cplg		Norris	Grade 40	3/4	1.63	KD	2,325.00
Sinker Bar w/ 7/8" Pin		Norris		1 1/2	6.01		300.00
No Tap Tool w 3/4" Pin				1			0.85
Rod Pump 2 1/2" x1 1/2"x24' RHBC				2 1/2			24.00
Rod Description		Run Date	String Length (ft)		Set Depth (ft)(B)		
Rod		9/27/2016	6,727.8		6,727.8		
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Polished Rod	1		Sprayloy	1 1/2	6.10	PRS	26.00
Pony Rod	1		Slim	1	4.28	KD	4.00



Downhole Well Profile w Cement

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Reference Datum: KB

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Spud Date 10/7/2009 18:00	Original Drilling Rig Release	Original KB Elevation (ft) 3,479.0	Ground Elevation (ft) 3,468.0	KB-Ground Distance (ft) 11.0
PSTD (All) (ftKB) Original Hole - 6,823		Total Depth All (TVD) (ftKB)		

Production - WEST BLINEBRY DRINKARD UNIT 110 - Original Hole, 1/11/...		Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
MD (ftKB)	Vertical schematic (actual)	Sucker Rod	77		S87 W/SM CPLG/Slim	1	2.88	KD	1,925.00
		Sucker Rod	85		S87 W/SM CPLG/FULL	7/8	2.15	KD	2,125.00
		Sucker Rod	93		S87 W/SM CPLG/Slim	3/4	1.60	KD	2,325.00
		Sinker Bar	12			1 1/2	6.01	K	300.00
		Rod Guide	1			1	2.88	KD	2.00
		Right Hand Release	1						0.60
		Rod Insert Pump	1						20.00

Other In Hole

Description	OD (in)	Top (ftKB)	Run Date
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Plug Back Total Depths

Date	Type	Depth (ftKB)	Depth (TVD) (ftKB)
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Comments

Comment

