Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
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

HOBBS OCD
DEC 22 2015
RECEIVED

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-06623 ✓

5. Indicate Type of Lease STATE ☑ FEE ☐

6. State Oil & Gas Lease No. B0-1732-0001

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.)

7. Lease Name or Unit Agreement Name: West Blinebry Drinkard Unit ✓

1. Type of Well: Oil Well ☐ Gas Well ☑ Other Injection

8. Well Number 057 ✓

2. Name of Operator: Apache Corporation ✓

9. OGRID Number: 873

3. Address of Operator: 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705

10. Pool name or Wildcat: Eunice; BLI-TU-DR, North (22900)

4. Well Location
Unit Letter A : 660 feet from the FNL line and 660 feet from the FEL line
Section 16 Township 21S Range 37E NMPM County Lea ✓

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3475 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: Recompletion	☑			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 perform recompletion as per attached.

MUST RUN MIT PRIOR TO RETURNING WELL TO INJECTION

Spud Date: 09/25/1948

Rig Release Date: TD Reached: 11/04/1948

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

SIGNATURE Isabel Hudson TITLE Reg Analyst DATE 12/16/2015

Type or print name Isabel Hudson E-mail address: Isabel.hudson@apachecorp.com PHONE: (432) 818-1142

For State Use Only

APPROVED BY: TITLE Petroleum Engineer DATE 12/23/15

Conditions of Approval (if any):

DEC 31 2015 1/4/16

WBDU 57W (API: 30-25-06623) Proposed Procedure – November 10, 2015

Deepen Well, Run Liner, and recomplete in the Drinkard Formation

Day 1: MIRU. PU & RIH w/ 6-1/8" bit on 2-7/8" work string. Drill out CBP @ +/- 5538'. Continue in hole w/bit to tag RBP set @ +/- 5720'. POOH w/ bit and work string.

Day 2: PU & RIH w/ washover shoe with diamond inserts on 2-7/8" work string and wash pipe. Wash over and cut top slips of RBP @ +/- 5720'.

Day 3: Continue to cut top slips of RBP. Wash over RBP and capture RBP inside shoe and wash pipe. POOH w/ RBP, 2-7/8" work string, and washover shoe.

Day 4: RIH w/ bit on 2-7/8" work string. RU foam N2 unit as required. Drill out CIBP @ +/- 6675. Drill out CIBP @ +/- 6680'.

Day 5: Continue to drill out CIBPs. Drill out well to new TD @ +/- 6775'.

Day 6: Continue to drill out well to TD @ +/- 6775'. Circulate wellbore clean and POOH and LD 2-7/8" work string.

Day 7: RU casing crew and equipment and RIH with 4-1/2" 11.6 lb/ft LTC 8 RD J-55 casing with DV tool w/packer (set at +/- 5500'), float collar, and float shoe to +/- 6775'. Perform two stage cement job to surface as follows:

a. Pump first stage consisting of 10 bbl fresh water flush, 40 bbl seal bond LCM spacer, and 216 sacks of 50:50 Fly Ash (Pozzolan):Class C cement + additives (weight 14.2 ppg, yield 1.31 cf/sack, volume 50.4 bbls, 100% excess slurry)
b. Drop plug, displace with 105 bbl fresh water (confirm volumes) and bump plug. Drop dart. Open DV tool and set packer to isolate first stage cement.
c. Pump second cement stage consisting of 20 bbl fresh water flush, lead slurry of 190 sacks 35:65 Fly Ash (Pozzolan):Class C cement + additives (weight 12.5 ppg, yield 2.13 cf/sack, 71.9 bbl), tail slurry of 200 sacks of class C cement + additives (weight 14.8 ppg, yield 1.33 cf/sack, 47.3 bbl)
d. Drop DV tool plug, displace with 85 bbl fresh water (confirm volumes)

Day 8: WOC

Day 9: RIH w/ 3-1/4" bit on 2-3/8" work string. Drill out DV tool, float collar and cement to +/- 6760'. Circulate clean. POOH

Day 10: MIRU WL and RIH w/ GR/CBL/CCL, log well from TD to surface, POOH

PU and RIH w/ 3-1/8" TAGs loaded with SDP charges and perforate the Drinkard @ 4 SPF, 90 deg phasing (estimated 70', 280 shots), POOH

PU and RIH w/ treating packer on 2-3/8" work string

Day 11: Cont. RIH w/ treating packer on 2-3/8" work string. Set packer @ +/-6500'

MIRU crew. Acidize the Drinkard w/10,000 gals 15% HCl and rock salt in 3 equal stages @ +/- 10 BPM. Release packer. Wash out salt. POOH

Day 12: PU and RIH with 4-1/2" injection packer with 2-3/8" IPC tubing subs, upper and lower profile nipples, and on/off tool on 2-3/8" work string. Set packer @ +/-6500'. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" work string

Day 13: PU & RIH w/2-3/8" IPC injection tubing and on/off tool. Circulate packer fluid and latch onto packer with on/off tool. ND BOPs and NU WH. Pressure test casing to 500 psi. RDMO

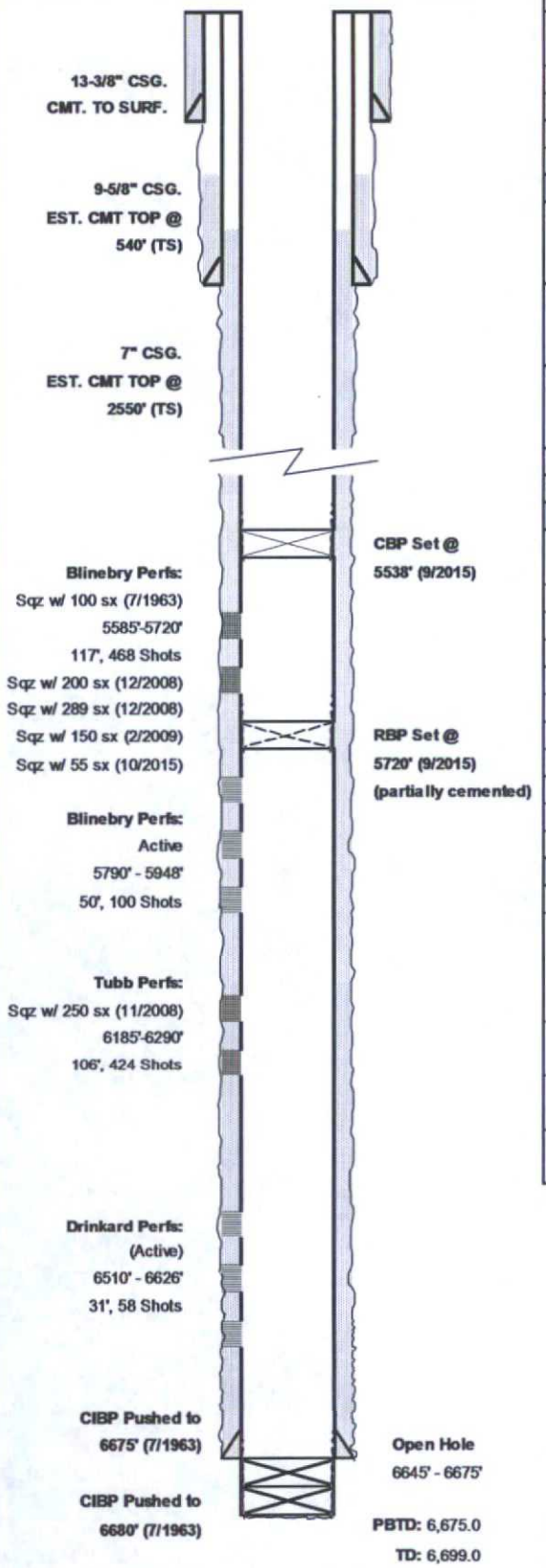
Day 14: Perform MIT test for NM OCD. Run pressure and temperature surveys. Place well on injection

Current Wellbore Diagram

Apache Corporation

WBDU #57W (Harry Leonard NCT-E #4)

WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU #57W (Harry Leonard NCT-E #4)	**API:**	30-025-06623
LOCATION:	660' FNL / 660' FEL, Sec 16, T-21S, R-37E	**COUNTY:**	Lea Co., NM
SPUD/TD DATE:	9/25/1948 - 11/4/1948	**COMP. DATE:**	11/22/1948
PREPARED BY:	Bret Shapot	**DATE:**	11/10/2015
TD (ft): 6,699.0	**KB Elev. (ft):** 3486.0	**KB to Ground (ft)**	11.0
PBTD (ft): 6,675.0	**Ground Elev. (ft):** 3475.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" (Cmt. w/ 300sx., Circ.)	48.00	H-40	0.00	297.00
Int. Casing	9-5/8" (Cmt. w/ 1300sx, TOC @ 540')	36.00	H-40	0.00	2,800.00
Prod. Casing	7" (Cmt. w/ 700sx, TOC @ 2550')	23.00	J-55	0.00	6,645.00
Openhole	6-1/8"			6,645.00	6,675.00
Tubing					

INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

PERFORATIONS

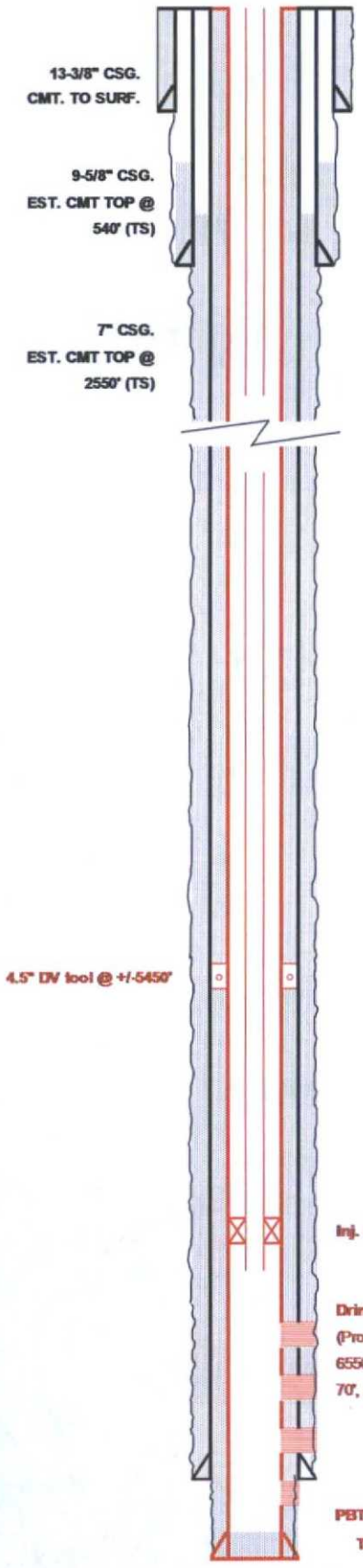
Form.	Intervals	FT	SPF
Blinebry	(Squeezed) 5585' - 5640', 5660' - 5720'	117	4
	5793', 5828', 53', 88'	4	1
	5915', 45'	2	4
	5790'-96', 5824'-32', 50'-55', 85'-90', 5918'-26', 42'-48'	44	2
Tubb	(Squeezed) 6185' - 6290'	106	4
Drinkard	6565', 88', 6604', 24'	4	1
	6510'-20', 54'-60', 6618'-26'	27	2
Open Hole	6645' - 6675'		

Proposed Wellbore Diagram

Apache Corporation

WBDU #57W (Harry Leonard NCT-E #4)

WELL DIAGRAM (PROPOSED CONFIGURATION)



WELL NAME:	WBDU #57W (Harry Leonard NCT-E #4)	**API:**	30-025-06623
LOCATION:	660' FNL / 660' FEL, Sec 16, T-21S, R-37E	**COUNTY:**	Lea Co., NM
SPUD/TD DATE:	9/25/1948 - 11/4/1948	**COMP. DATE:**	11/22/1948
PREPARED BY:	Bret Shapot	**DATE:**	11/10/2015
TD (ft): 6,775.0	**KB Elev. (ft):** 3486.0	**KB to Ground (ft)**	11.0
PBTD (ft): 6,760.0	**Ground Elev. (ft):** 3475.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" (Cmt. w/ 300sx., Circ.)	48.00	H-40	0.00	297.00
Int. Casing	9-5/8" (Cmt. w/ 1300sx, TOC @ 540')	36.00	H-40	0.00	2,800.00
Prod. Casing	7" (Cmt. w/ 700sx, TOC @ 2550')	23.00	J-55	0.00	6,645.00
Liner	4-1/2" Cmt. To surf	11.60	J-55	0.00	6,775.00
Tubing	2-7/8"	6.50	J-55	0.00	6,515.00

INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	2-3/8" 4.7 LB/FT J-55 IPC TBG	6,492.00	6492.00
2	2-3/8" ON/OFF TOOL W/ 1.78 F PROFILE	1.80	6493.80
3	2-3/8" X 4-1/2" NICKLE PLATED ARROW-SET PKR	6.20	6500.00
4	2-3/8" 4.7 LB/FT J-55 IPC TBG	8.00	6508.00
5	2-3/8" PROFILE NIPPLE 1.50 R	0.90	6508.90
6	2-3/8" 4.7 LB/FT J-55 IPC TBG	6.00	6,514.90
7			
8			
9			
10			

PERFORATIONS

Form.	Intervals	FT	SPF
Drinkard	(Estimated) 6550' - 6685'	70	4