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 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
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 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

Form C-103
 Revised July 18, 2013

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

HOBBS OCD
 JAN 17 2017
 RECEIVED

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.)		WELL API NO. 30-025-06643
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Apache Corporation		6. State Oil & Gas Lease No.
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705		7. Lease Name or Unit Agreement Name West Blinbery Drinkard Unit (WBDU) / 37346
4. Well Location Unit Letter <u>N</u> : <u>660</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>17</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number <u>087</u>
		9. OGRID Number 873
		10. Pool name or Wildcat Eunice; B-T-D, North (22900)
		11. Elevation (Show whether DR, RKB, RT; GR, etc.) 3499' GL

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: CONVERT TO INJECTION <input checked="" type="checkbox"/> DEEPEN		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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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 intends to deepen this well, run a liner and convert to a Drinkard injector, per the attached procedure and WBD's.

Spud Date: 11/23/1949 Rig Release Date: 1/3/1950

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 1/11/2017

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 01/21/17
 Conditions of Approval (if any):

WBDU 87: Deepen Well, Run Liner, and Convert Well to Injection in the Drinkard Formation (30-025-016643)

January 10, 2017

Day 0: Prior to start of workover: Schedule and install buried fiberglass injection line.

Day 1/2: MIRU. POOH and LD pump and rods. ND WH and NU BOPs. POOH and LD 2-3/8" production tubing.

Day 3: RIH w/ bit on 2-7/8" work string. Tag cement at 6443' and drill out cement to top of packer at 6460', RU Foam N2 Unit as required. POOH w/ WS and lay down bit. PU washover shoe and RIH to cut out CIBP.

Day 4/5: Continue cutting over CIBP. Latch onto fish, POOH and lay down washover shoe. PU packer milling tool and RIH and tie into packer bore. Begin milling out model D packer.

Day 6/7: Continue to mill out packer/fish tailpipe. POOH w/ packer and tailpipe.

Day 8/9: RIH w/ bit and tag PBSD @ 6659'. Drill to new TD at 6809' (+/- 75' below proposed bottom perf).

Day 10: Complete drilling well out well to new TD at +/- 6809'. Circulate wellbore clean and POOH and LD 2-7/8" work string and bit.

Day 11: RU casing crew and equipment and RIH with 4-1/2" 11.6 lb/ft flush joint casing with float collar and float shoe to +/- 6809'.

RU cement crew, perform single stage cement job to surface consisting of 300 bbl fresh water flush, 80 bbl stop loss spacer, and 181 sacks of TXI Lite cement + additives (weight 12.5 ppg, yield 1.64 cf/sack, volume 52.9 bbl), and 71 sacks of TXI Lite cement + additives (weight 13.2 ppg, yield 1.39 cf/sack, volume 17.6 bbl). Total 150% excess slurry of 70.5 bbl. Displace with 105 bbls fresh water (confirm all volumes).

Day 12: WOC

Day 13: RIH w/ 3-1/4" bit on 2-3/8" work string. Drill out float collar and cement to +/- 6794'. Circulate clean. POOH

Day 14: MIRU WL and RIH w/ GR/CBL/CCL/CNL, 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 15: Cont. RIH w/ treating packer on 2-3/8" work string. Set packer @ +/-6500'

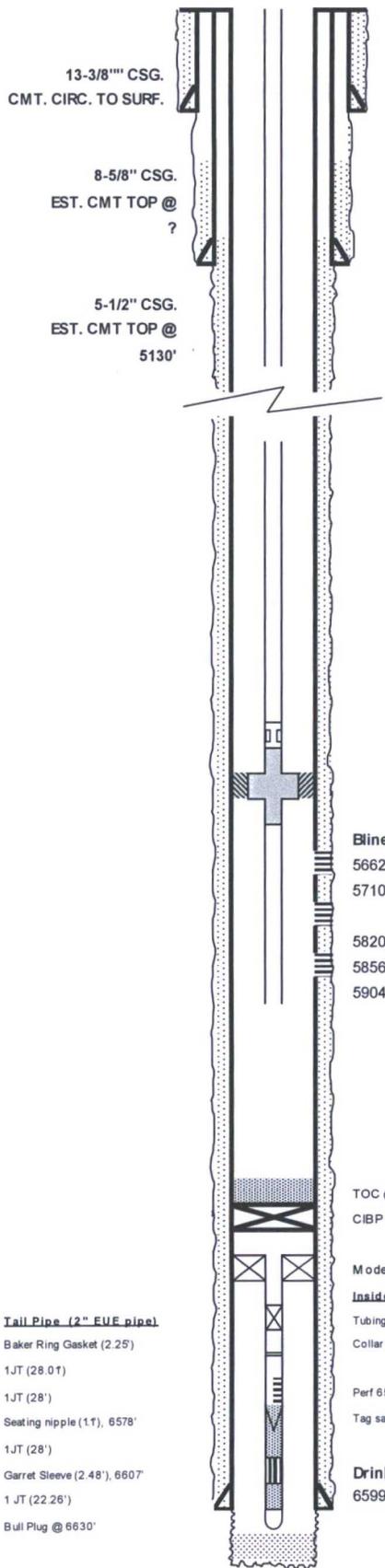
MIRU acid crew. Acidize the Drinkard w/10,000 gals 15% HCl and rock salt in 3 equal stages @ +/- 10 BPM. Release packer. Wash out salt. POOH

Day 16: 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 @ +/-6540'. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" work string

Day 17: 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 18: Perform MIT test for NM OCD. Perform bottom hole static pressure test. Place well on injection.

Apache Corporation
WBDU #87 (Hardy Blinebry Unit #3)
WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU #87 (Hardy Blinebry Unit #3)	API:	30-025-06643
LOCATION:	660' FSL & 1980' FwL. Unit C SE-SW, Sec 17, T-21S, R-37E	COUNTY:	Lea Co., NM
SPUD/TD DATE:	11/23/1949 - 1/4/1950	COMP. DATE:	1/8/1950
PREPARED BY:	Kris Hasselbach	DIAGRAM DATE:	12/19/2016
TD (ft): 6659'	KB Elev. (ft): 3499	KB to Ground (ft)	9
PBTD (ft): 6443'	Ground Elev. (ft): 3490		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)
Surface Casing	13-3/8" (Cmt. w/ 200 sx, Circ.)	48.0		0 194'
Int. Casing	8-5/8" (Cmt. w/ 1500sx, TOC @?)	28.0		0 2842'
Prod. Casing	5-1/2" (Cmt. w/ 300sx, TOC @ 5130', est)	15.5		0 6599'
Tubing	2-3/8"	4.7	J-55	0.00 6,022

PRODUCTION TBG STRING			
ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	193 JTS 2-3/8" 4.7 LB/FT J-55 TBG		
2	TAC		5616.00
3	SN		6022.00
4			
5			
6			
7			
8			
9			
10			

PRODUCTION ROD STRING			
ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	113 JTS 7/8" RODS	2,825.00	
2	126 JTS 3/4" RODS	3,150.00	
3	BHP: 2" X 1-1/4" X 16" RHBC	16.00	
4			
5			
6			
7			
8			
9			
10			

SURFACE EQUIPMENT	
PUMPING UNIT SIZE:	MOTOR HP:
PUMPING UNIT MAKE:	MOTOR MAKE:

PERFORATIONS			
Form.	Intervals	FT	SPF
Blinebry	5662'-78', 5710'-5722'	16,12	4
	5820,33,45,56,6574,88,5904,08,18'	9	1
DKRD (OH)	6599'-6659'		

Blinebry Perfs:
5662'-78'
5710'-22'
5820, 33, 45
5856,65,74,88'
5904,08, 18'

TOC @6443'
CIBP @ 6460' w/ 2 SX
Model D Packer @ 6520'
Inside Tubing
Tubing Plug @ 6542'
Collar Stop @ 6549'
Perf 6576' w/ 2 holes (0.25')
Tag sand/Formseal @ 6578'

Drinkard OH:
6599'-6659'

Tail Pipe (2" EUE pipe)
Baker Ring Gasket (2.25')
1JT (28.01)
1JT (28')
Seating nipple (1.1), 6578'
1JT (28')
Garret Sleeve (2.48'), 6607'
1 JT (22.26')
Bull Plug @ 6630'

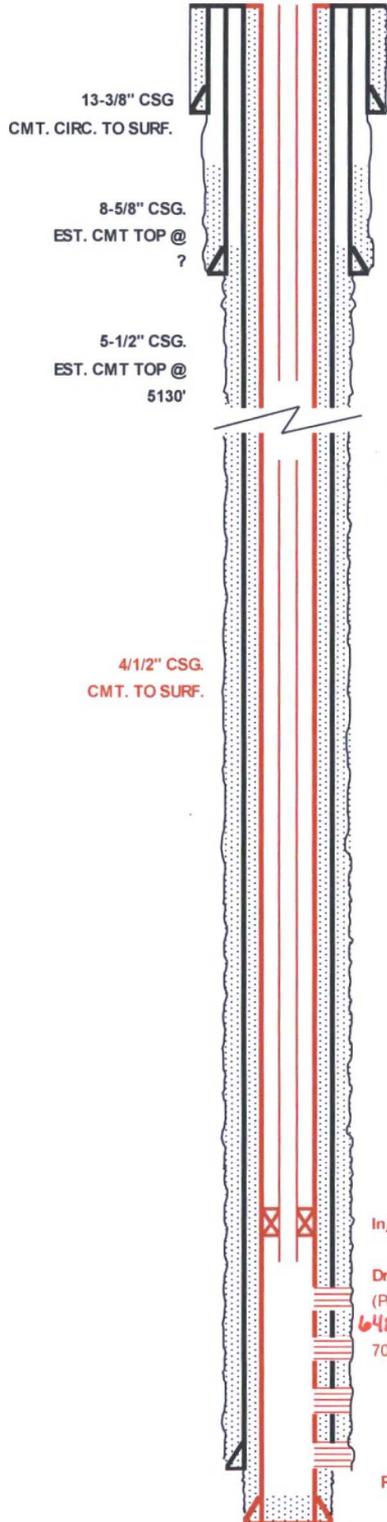
PBTD 6443'
TD: 6659'

Notes:
1/8/1950: Acidize Drinkard OH w/ 1000 gals 15% HCl
6/1958: Perf/Acidize Blinebry f/ 5662'-78' (500 gals BDA + 2000 gals 15% HCl)
Perf/Acidize Blinebry f/ 5710'-22' (500 gals BDA + 2000 gals 15% HCl)
6/25/1958: Frac Blinebry 5662'-5722' w/ 8000 gals 7.5% HCl + 8000# 20/40, 16.7 BPM @2600#
3/4/1983: Perf Blinebry 5820,33,45,56,65,74,88,5904,08,18 w/ 1 SPF. Acidize w/ 1500 gals 15% Frac Blinebry 5662'-5918' w/ 54,000# 20/40 @ 21 BPM, 4000 psi

Apache Corporation
WBDU #87W (Weatherly #1)



WELL DIAGRAM (PROPOSED CONFIGURATION)



WELL NAME: WBDU #87W (Weatherly #1)		API: 30-025-06643		
LOCATION: 660' FSL & 1980' FwL. Unit C SE-SW, Sec 17, T-21S, R-37E		COUNTY: Lea Co., NM		
SPUD/TD DATE: 11/23/1949 - 1/4/1950		COMP. DATE: 1/8/1950		
PREPARED BY: Kris Haselbach		DIAGRAM DATE: 12/19/2016		
TD (ft): 6,809	KB Elev. (ft): 3499	KB to Ground (ft) 9		
PBTD (ft): 6,794	Ground Elev. (ft): 3490			
CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)
Surface Casing	13 3/8" (Cmt. w/ 200sx, Circ.)	48.0		0 282
Int. Casing	8-5/8" (Cmt. w/ 1500sx, TOC @ ?)	28.0		0 2,759
Prod. Casing	5-1/2" (Cmt. w/ 300sx, est. TOC @ 5130')	15.5		0 6,592
Liner	4-1/2" (Cmt. to surf)	11.6	J-55	0.00 6,809
Injection Tubing	2-3/8"	4.7	J-55 IPC	0.00 6,515
INJECTION TBG STRING				
ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)	
1	2-3/8" 4.7 LB/FT J-55 IPC TBG	6,540.00	6540.00	
2	2-3/8" ON/OFF TOOL W/ 1.78 F PROFILE	1.80	6541.80	
3	2-3/8" X 4-1/2" NICKLE PLATED ARROW-SET PKR	6.20	6548.00	
4	2-3/8" 4.7 LB/FT J-55 IPC TBG	8.00	6556.00	
5	2-3/8" PROFILE NIPPLE 1.50 R	0.90	6556.90	
6	2-3/8" 4.7 LB/FT J-55 IPC TBG	6.00	6562.90	
7				
8				
9				
10				
PERFORATIONS				
Form.	Intervals	FT	SPF	
Blinebry				
Tubb				
Drinkard	6574' - 6734' (estimated)	70	4	

Inj. Pkr @ +/-6540'

Drinkard Perfs:
(Proposed)
6482' - 6754' (estimated)
70', 280 shots (estimated)

PBTD: 6,794.0
TD: 6,809.0

Notes:

- 1/8/1950: Acidize Drinkard OH w/ 1000 gals 15% HCl
- 6/1958: Perf/Acidize Blinebry f/ 5662'-78' (500 gals BDA + 2000 gals 15% HCl)
- Perf/Acidize Blinebry f/ 5710'-22' (500 gals BDA + 2000 gals 15% HCl)
- 6/25/1958: Frac Blinebry 5662'-5722' w/ 8000 gals 7.5% HCl + 8000# 20/40, 16.7 BPM @2600#
- 3/4/1983: Perf Blinebry 5820,33,45,56,65,74,88,5904,08,18 w/ 1 SPF. Acidize w/ 1500 gals 15% Frac Blinebry 5662'-5918' w/ 54,000# 20/40 @ 21 BPM, 4000 psi