

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-06619 ✓	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. B0-0085-0016	
7. Lease Name or Unit Agreement Name West Blinbry Drinkard Unit ✓	
8. Well Number 078 ✓	
9. OGRID Number 873	
10. Pool name or Wildcat Eunice; BLI-TU-DR, North (22900)	
4. Well Location Unit Letter <u>I</u> ; 1980 feet from the <u>South</u> line and 660 feet from the <u>East</u> line Section <u>16</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3455 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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injection 2. Name of Operator Apache Corporation ✓ 3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: Work over <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 work over as per attached.

*MUST RUN MIT PRIOR TO
RETURNING WELL TO INJECTION KB*

Spud Date:

08/12/1947

Rig Release Date:

09/24/1947

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:

[Signature]

TITLE

Petroleum Engineer

DATE

12/23/15

Conditions of Approval (if any):

~~DEC 31 2015~~

1/4/16

jm

WBDU 78W Proposed Procedure (API: 30-025-06619)

Deepen Well, Run 4.5" Liner, Re-Perforate and Stimulate

November 5, 2015

Day 1: MIRU. Install BOP. Release 5-1/2" packer and POOH w/ 2-3/8" IPC injection tubing and packer.

Day 2: PU & RIH w/ bit on 2-7/8" work string. Clean out well bore to TD @ +/- 6641'.

Continue in hole to drill well out to new TD @ +/-6770'.

Day 3: Cont. to drill well out to new TD @ +/-6770'.

Day 4: Cont. to drill well out to new TD @ +/- 6770'. Circulate wellbore clean and POOH and LD 2-7/8" work string

Day 5: RU casing crew and equipment and RIH with 4-1/2" 11.6 lbft flush joint casing with float collar and float shoe to +/- 6770'

RU cement crew, perform single stage cement job to surface consisting of 20 bbl fresh water flush, 40 bbl seal bond LCM spacer, and 189 sacks of Class C cement + additives (weight 13.5 ppg, yield 1.66 cf/sack, volume 55.9 bbls, 100% excess slurry). Displace with 104 bbls fresh water (confirm all volumes)

Day 6: WOC

Day 7: RIH w/ 3-1/4" bit on 2-3/8" work string. Drill out float collar and cement to +/- 6755'. Circulate clean. POOH

Day 8: 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 9: Cont. RIH w/ treating packer on 2-3/8" work string. Set packer @ +/-6450'

MIRU acid crew. Acidize the Drinkard w/10,000 gals 15% HCl and rock salt in 3 equal stages @ +/- 8 BPM. Release packer. Wash out salt. POOH

Day 10: 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 @ +/-6450'. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" work string

Day 11: 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.

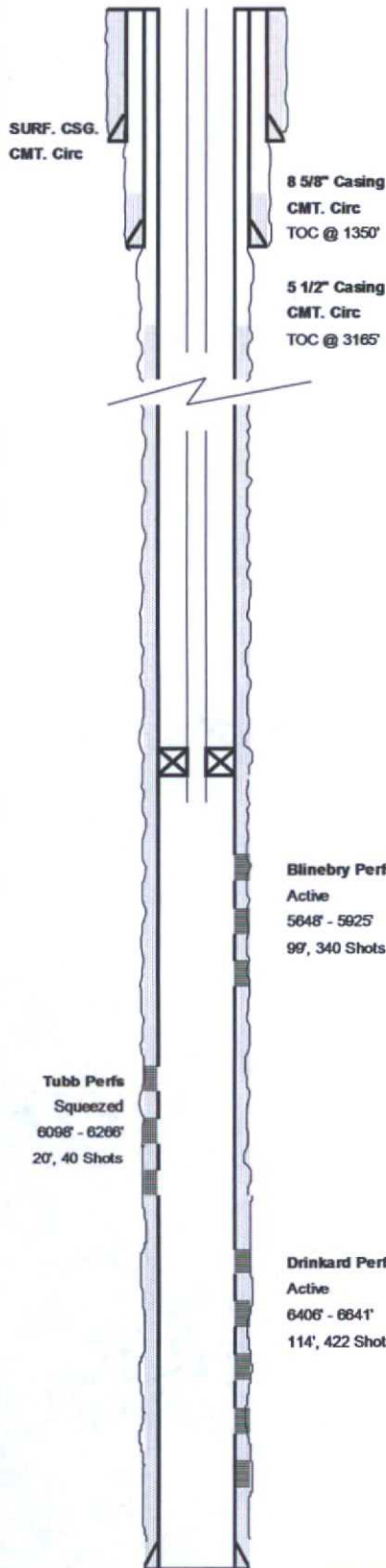
Day 12: Perform MIT test for NM OCD. Place well on injection

Current Wellbore Diagram

Apache Corporation
WBDU 78W



WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU 78W	API:	30-025-06340
LOCATION:	1807 FSL, 6607 FEL, Sec 16, T-21S, R-37E	COUNTY:	Lea Co, NM
SPUD-TD DATE:	8/12/1947 - 9/13/1947	COMP. DATE:	9/23/1947
PREPARED BY:	Bret Shapot	DATE:	8/12/2015
TD (ft):	6,644	KB Elev. (ft):	3,474.0
PBTD (ft):	6,641	Ground Elev. (ft):	3,466.0
KB to Ground (ft):	8.00		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)
Surface Casing	13-3/8" 200 sx Circ	36 / 48	H-40	0 213
Intermediate	8-5/8" 1550 sx Circ	32 / 36	J-55	0 2,807
Production	5-1/2" 500 sx Circ	17.0	J-55	0 6,644

INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	Lok-Set PKR @ 5578'		
2	172 JTS 2-3/8" IPC tbg		
3			
4			
5			
6			
7			
8			
9			
10			

PERFORATIONS

Form.	Intervals	FT	SPF
	5648' - 5718'	71	4
Blinebry	5724', 30', 33', 48', 51', 65', 70', 74', 79', 85', 96', 5801', 08', 13', 20', 23', 29', 39', 46', 50', 66', 76', 86', 94', 5908', 12', 20', 25'	28	2
Tubb	(Squeezed) 6098' - 6102', 6190' - 94', 6216' - 20', 6262' - 66'	20	2
	6528' - 82', 6600' - 41'	97	4
Drinkard	6406', 16', 20', 26', 40', 44', 50', 54', 60', 66', 70', 74', 80', 88', 92', 96', 6501'	17	2

Blinebry Perfs
Active
5648' - 5925'
99', 340 Shots

Tubb Perfs
Squeezed
6098' - 6266'
20', 40 Shots

Drinkard Perfs
Active
6406' - 6641'
114', 422 Shots

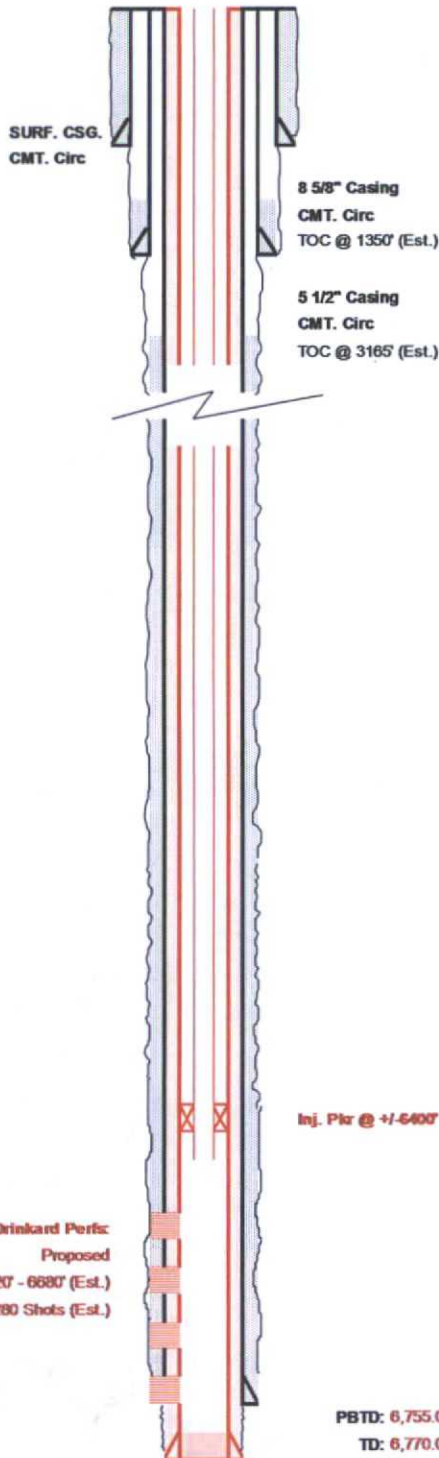
PBTD: 6,641.0
TD: 6,644.0

Proposed Configuration

Apache Corporation WBDU 78W



WELL DIAGRAM (PROPOSED CONFIGURATION)



WELL NAME:		WBDU 78W		API:		30-025-06619	
LOCATION:		1987 FSL, 687 FEL, Sec 18, T-26S, R-37E		COUNTY:		Lea Co, NM	
SPUD-TD DATE:		8/12/1947 - 9/13/1947		COMP. DATE:		9/23/1947	
PREPARED BY:		Bret Shapolt		UPDATED:		11/5/2015	
TD (ft): 6,770		KB Elev. (ft): 3,474.0		KB to Ground (ft):		8.00	
PBTD (ft): 6,755		Ground Elev. (ft): 3,466.0					
CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)			
Surface Casing	13-3/8" 200 sx Circ	36 / 48	H-40	0	213		
Intermediate	8-5/8" 1550 sx Circ	32 / 36	J-55	0	2,807		
Production	5-1/2" 500 sx Circ	17.0	J-55	0	6,644		
Liner	4-1/2" (Cmt. to surf)	11.60	J-55	0.00	6,740.00		
Injection Tubing	2-3/8"	4.70	J-55	0.00	6,450.00		
INJECTION TBG STRING							
ITEM	DESCRIPTION			LENGTH (FT)	Depth (FT)		
1	2-3/8" 4.7 LB/FT J-55 IPC TBG			6,395.00	6395.00		
2	2-3/8" ON/OFF TOOL W/ 1.78 F PROFILE			1.80	6396.80		
3	2-3/8" X 4-1/2" NICKLE PLATED ARROW-SET PKR			6.20	6403.00		
4	2-3/8" 4.7 LB/FT J-55 IPC TBG			8.00	6411.00		
5	2-3/8" PROFILE NIPPLE 1.50 R			0.90	6411.90		
6	2-3/8" 4.7 LB/FT J-55 IPC TBG			6.00	6,417.90		
7							
8							
9							
10							
PERFORATIONS							
Form.	Intervals			FT	SPF		
Drinkard	Proposed: 6420 - 6680' (estimated)			70	4		