

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

Form C-103
 Revised July 18, 2013

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

HOBBS OCD
 JAN 11 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. 30-025-06397
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Injection Well		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 Blinebry Drinkard Unit (WBDU) / 37346
4. Well Location Unit Letter <u>I</u> : 1980 feet from the <u>South</u> line and <u>660</u> feet from the <u>East</u> line Section <u>4</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number <u>008</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.) 3470' 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: <u>DEEPEN/RUN LINER</u> <input checked="" type="checkbox"/>		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 conform to the Drinkard, per the attached procedure and WBD's.

Spud Date: Rig Release Date:

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 8: Deepen Well, Run Liner and Conform to Drinkard (30-025-06397)

January 6, 2017

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

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

Day 2: RIH w/ Tungsten Carbide Junk Mill on 2-7/8" work string. Tag and drill out CICR at 6675', RU Foam N2 Unit as required.

Day 3: Continue milling on CICR.

Day 4/5: Continue milling on CICR. If no progress made, POOH and RIH with Cone Buster mill.

Day 6: Continue milling on CICR. If seeing cement in returns, POOH and RIH w/ bit and continue drilling out cement to new TD of +/- 6821'. (+/- 75' below predicted bottom perf).

Day 7: Complete drilling well out well to new TD at +/- 6821'. Circulate wellbore clean and POOH and LD 2-7/8" work string and bit.

Day 8: 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 +/- 6821'.

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 9: WOC

Day 10: RIH w/ 3-1/4" bit on 2-3/8" work string. Drill out float collar and cement to +/- 6806'. Circulate clean. POOH

Day 11: 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 12: Cont. RIH w/ treating packer on 2-3/8" work string. Set packer @ +/-6550'

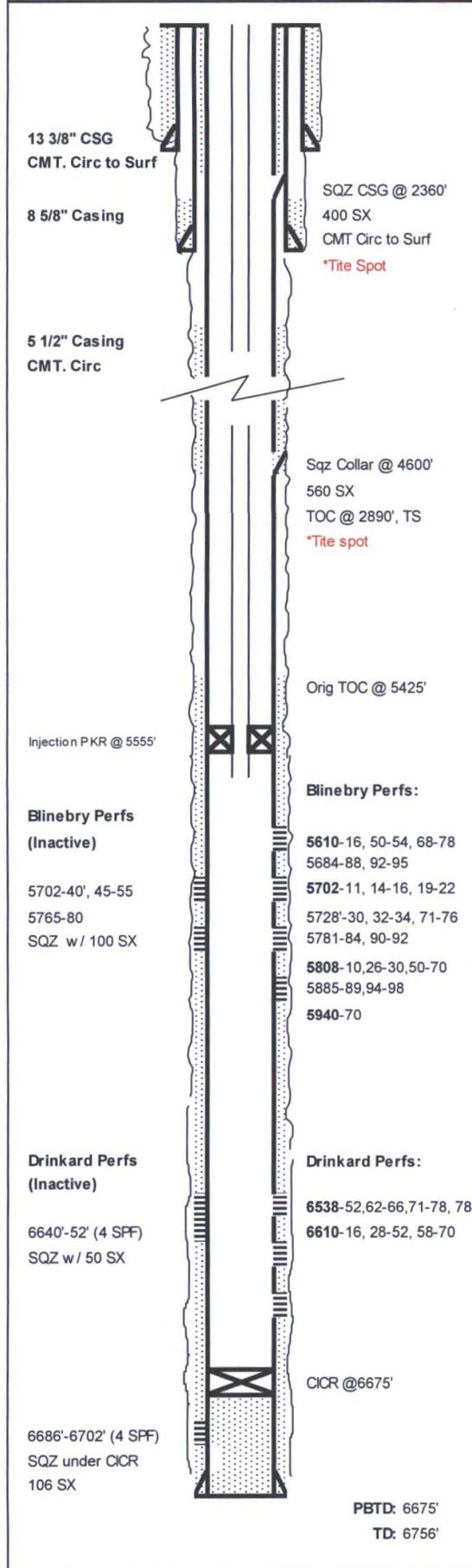
MIRU acid crew. Acidize the Drinkard w/10,000 gals 15% HCl and rock salt in 3 equal stages @ +/- 10 BPM. Release packer. Wash out salt. POOH

Day 13: 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 @ +/-6550'. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" work string

Day 14: 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 15: Perform MIT test for NM OCD. Perform bottom hole static pressure test. Place well on injection.

Apache Corporation
WBDU 8W (Southland Royalty "A" #5)
WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	WBDU 8W (Southland Royalty "A" #5)	API:	30-025-06397
LOCATION:	1980' FSL, 660' FEL, NS-SE, Sec 4, T-21S, R-37E	COUNTY:	Lea Co, NM
SPUD-TD DATE:	10/15/1952-11/16/1952	COMP. DATE:	11/29/1952
PREPARED BY:	Kris Hasselbach	DATE:	12/21/2016
TD (ft): 6756'	KB Elev. (ft): 3,483.0	KB to Ground (ft):	13.00
PBTD (ft): 6675'	Ground Elev. (ft): 3,470.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)
Surface Casing	13-3/8" 300 SX Circ	36.0		0 312
Intermediate	8-5/8" 400 SX	24/32	J-55	0 2,893
Production	5-1/2" 180 SX TOC @ 5425', TS	17.0	J-55	0 6,755

INJECTION TBG STRING			
ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	179 JTS 2 3/8" IPC Tubing		5553.0
2	On/Off tool w/ 1.5" Profile Nipple		5553.0
3	Baker Lok-Set Packer		5555'
4	Lower Profile Nipple		5568'
5	End of Tubing		5574.0
6			
7			
8			
9			
10			

PERFORATIONS			
Form.	Intervals	FT	SPF
Blinebry	5610-16, 50-54, 68-78, 5684-88, 92-95, 5702-11, 14-16, 19-22, 28-30, 32-34, 71-76, 81-84, 90-92, 5808-10, 26-30, 50-70, 85-89, 94-98, 5940-70	129	2
Drinkard	6538-52, 62-66, 71-78, 78-84, 90-97, 6610-16, 28-52, 58-70	76	2

12/3/1984: CIBP fell to 6652'. Unable to CO fill to PBTD @6675'. **Lost 2 cones off bit**

3/11/1987: Tag 6638'. CO 6638'-50 w/ bailer. Bottom 2 joints full of paraffin and NC plugged w/ hard scale. RIH w/ 4 3/4" bit and and bailer. CO 6650-6662'

3/12/1987: RIH w/ impression block. Showed 1" OD Circle in center of block brass and steel in junk basket. **Could not get past 6675' after 20 days milling/drilling**

11/16/2009: CO to PBTD 6675'

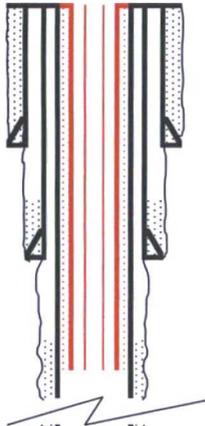
Apache Corporation
WBDU 8W (Southland Royalty "A" #5)
WELL DIAGRAM (PROPOSED CONFIGURATION)



13 3/8" SURF. CSG.
CMT. Circ

8 5/8" Casing

5 1/2" Casing
Orig TOC @5425'



Drinkard Perfs:
Proposed
6530'-6773' (Est.)
70', 280 Shots (Est.)

Inj. Pkr @ +/-6550'

PBTD: 6,806.0
TD: 6,821.0

WELL NAME:	WBDU 8W (Southland Royalty "A" #5)		API:	30-025-06397	
LOCATION:	1980' FSL, 660' FEL, NS-SE, Sec 4, T-21S, R-37E		COUNTY:	Lea Co, NM	
SPUD-TD DATE:	10/15/1952-11/16/1952		COMP. DATE:	11/29/1952	
PREPARED BY:	Kris Hasselbach		UPDATED:	12/21/2016	
TD (ft):	6,821	KB Elev. (ft):	3,483.0	KB to Ground (ft):	13.00
PBTD (ft):	6,806	Ground Elev. (ft):	3,470.0		
CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" 300 SX Circ	36.0		0	312
Intermediate	8-5/8" 400 SX	24/32	J-55	0	2,893
Production	5-1/2" 180 SX TOC @ 5425'	17.0	J-55	0	6,644
Liner	4-1/2" (Cmt. to surf)	11.60	J-55	0.00	6,821.00
Injection Tubing	2-3/8"	4.70	J-55	0.00	6,550.00
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	6,562.90
7					
8					
9					
10					
PERFORATIONS					
Form.	Intervals			FT	SPF
Drinkard	Proposed: 6601'-6746' (estimated)			70	4