

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
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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. 30-025-06397	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name West Blinbry Drinkard Unit (WBDU) / 37346	
8. Well Number 008	
9. OGRID Number 873	
10. Pool name or Wildcat Eunice; B-T-D, North (22900)	
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 type="checkbox"/> Other Injection Well	
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>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>	
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:		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: <u>DEEPEN/RUN LINER</u> <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 intends to deepen this well, run a liner and conform to the Drinkard, per the attached procedure and WBD's.

Spud Date:

4/1/1954

Rig Release Date:

4/16/1954

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

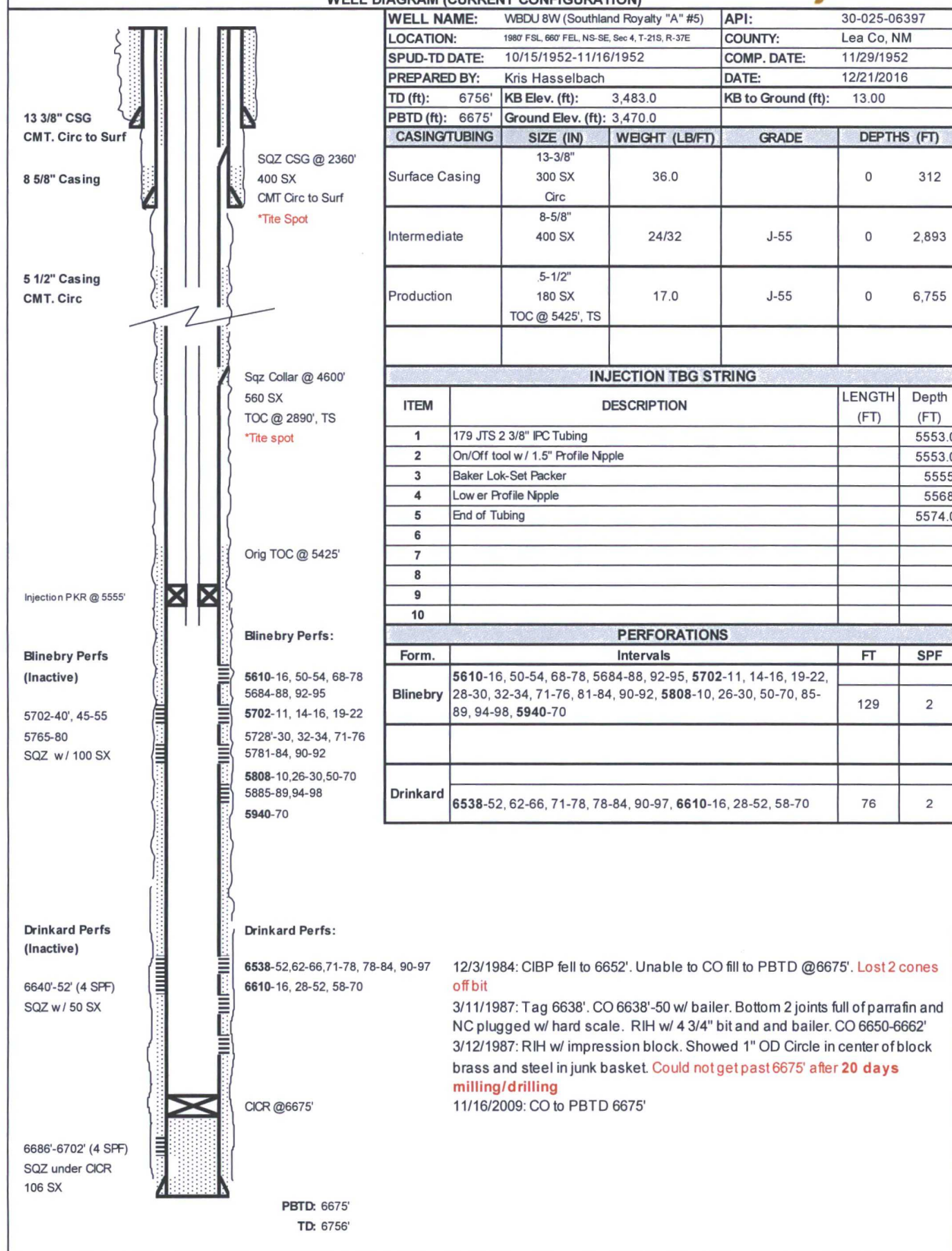
**Day 13:** PU and RIH with 4-1/2" injection packer with 2-3/8" IPC tubing subs, upper and lower profile nipples, and on/off tool on 2-3/8" work string. Set packer @ +/-6550'. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" work string

**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)**



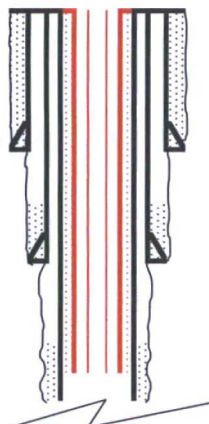
**Apache Corporation**  
**WBDU 8W (Southland Royalty "A" #5)**  
**WELL DIAGRAM (PROPOSED CONFIGURATION)**



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

8 5/8" Casing

5 1/2" Casing  
Orig TOC @5425'



<b>WELL NAME:</b>	WBDU 8W (Southland Royalty "A" #5)	<b>API:</b>	30-025-06397
<b>LOCATION:</b>	1980' FSL, 660' FEL, NS-SE, Sec 4, T-21S, R-37E	<b>COUNTY:</b>	Lea Co, NM
<b>SPUD-TD DATE:</b>	10/15/1952-11/16/1952	<b>COMP. DATE:</b>	11/29/1952
<b>PREPARED BY:</b>	Kris Hasselbach	<b>UPDATED:</b>	12/21/2016
<b>TD (ft):</b>	6,821	<b>KB Elev. (ft):</b>	3,483.0
<b>PBTD (ft):</b>	6,806	<b>Ground Elev. (ft):</b>	3,470.0
<b>KB to Ground (ft):</b>	13.00		

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**

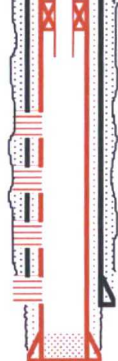
ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	2-3/8" 4.7 LB/FT J-55 IPC TBG	6,540.00	6540.00
2	2-3/8" ON/OFF TOOL W/ 1.78 F PROFILE	1.80	6541.80
3	2-3/8" X 4-1/2" NICKLE PLATED ARROW-SET PKR	6.20	6548.00
4	2-3/8" 4.7 LB/FT J-55 IPC TBG	8.00	6556.00
5	2-3/8" PROFILE NIPPLE 1.50 R	0.90	6556.90
6	2-3/8" 4.7 LB/FT J-55 IPC TBG	6.00	6562.90
7			
8			
9			
10			

**PERFORATIONS**

Form.	Intervals	FT	SPF
Drinkard	Proposed: 6601'-6746' (estimated)	70	4

Inj. Pkr @ +/-6550'

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



PBTD: 6,806.0  
TD: 6,821.0