

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Ave., Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **HOBBS OCD**  
 Energy, Minerals and Natural Resources

Form C-103  
 June 19, 2008

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

**DEC 22 2015**  
**RECEIVED**

WELL API NO. 2015-06628 ✓
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. BO-1557
7. Lease Name or Unit Agreement Name West Blinebry Drinkard Unit (WBDU) ✓
8. Well Number 060 ✓
9. OGRID Number 873
10. Pool name or Wildcat Eunice; B-T-D, North ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3489' GR

**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  Gas Well  Other: Injection

2. Name of Operator ✓  
Apache Corporation

3. Address of Operator  
303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705

4. Well Location  
 Unit Letter C : 720 feet from the North line and 1980 feet from the West line  
 Section 16 Township 21S Range 37E NMPM County Lea ✓

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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"/>			
OTHER: RC IN DRINKARD <input 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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to deepen this well, run a liner and complete in the Drinkard portion of the formation, per the attached procedure. Current and proposed WBD's are also attached.

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

Spud Date: 05/06/1948

Rig Release Date: 07/14/1948

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 12/16/2015

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 12/23/15

Conditions of Approval (if any):

~~DEC 31 2015~~

1/4/16

cy

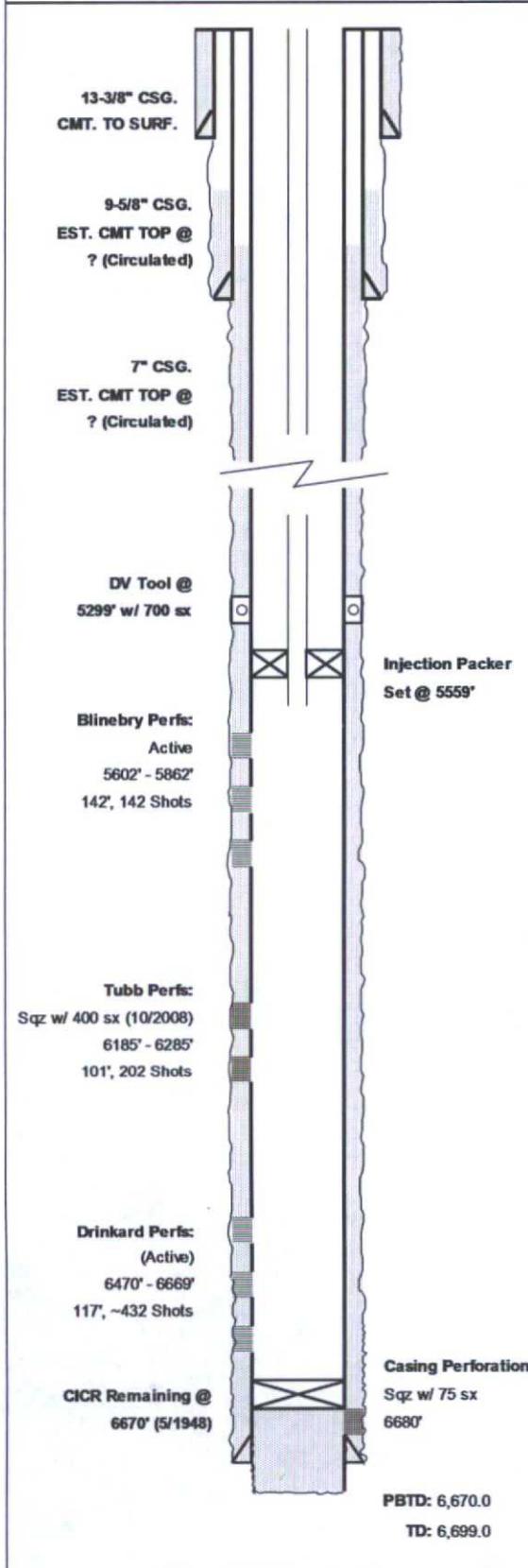
**WBDU 60W (API: 30-25-06628) Proposed Procedure – November 11, 2015**

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

- Day 1:** MIRU. Release packer and POOH w/ 2-3/8" tubing, on/off tool, and packer. PU & RIH w/ 6-1/8" bit on 2-7/8" work string.
- Day 2:** Continue in hole with bit on 2-7/8" work string. Drill out CICR (potentially CIBP) @ +/- 6670'. Continue in hole and drill out well to new TD @ +/- 6765'.
- Day 3:** Continue to drill out well to TD @ +/- 6765'.
- Day 4:** Continue to drill out well to TD @ +/- 6765'. 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 lb/ft LTC 8 RD J-55 casing with DV tool (set at +/- 5500'), float collar, and float shoe to +/- 6765'. Perform two stage cement job to surface as follows:
- Pump first stage consisting of 10 bbl fresh water flush, 40 bbl seal bond LCM spacer, and 214 sacks of 50:50 Fly Ash (Pozzolan):Class C cement + additives (weight 14.2 ppg, yield 1.31 cf/sack, volume 49.8 bbls, 100% excess slurry)
  - 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.
  - Pump second cement stage consisting of 20 bbl fresh water flush, lead slurry of 330 sacks 35:65 Fly Ash (Pozzolan):Class C cement + additives (weight 12.5 ppg, yield 2.13 cf/sack, 125.5 bbl), tail slurry of 100 sacks of class C cement + additives (weight 14.8 ppg, yield 1.33 cf/sack, 23.7 bbl)
  - Drop DV tool plug, displace with 85.4 bbl fresh water (confirm volumes)
- Day 6:** WOC
- Day 7:** RIH w/ 3-1/4" bit on 2-3/8" work string. Drill out DV tool, float collar and cement to +/- 6750'. 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 @ +/-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 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 @ +/-6500'. 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 SR
- Day 12:** Perform MIT test for NM OCD. Place well on injection

Current Wellbore Diagram

Apache Corporation  
 WBDU #60W (State C Tract 12 #6Y)  
 WELL DIAGRAM (CURRENT CONFIGURATION)



<b>WELL NAME:</b>	WBDU #60W (State C Tract 12 #6Y)	<b>API:</b>	30-025-06628
<b>LOCATION:</b>	720' FNL & 1980' FWL Sec 16, T-21S, R-37E	<b>COUNTY:</b>	Lea Co., NM
<b>SPUD/TD DATE:</b>	5/6/1948 - 7/1/1948	<b>COMP. DATE:</b>	7/15/1948
<b>PREPARED BY:</b>	Bret Shapot	<b>DATE:</b>	11/11/2015
<b>TD (ft):</b>	6,699.0	<b>KB Elev. (ft):</b>	3509.0
<b>PBTD (ft):</b>	6,670.0	<b>Ground Elev. (ft):</b>	3499.0
		<b>KB to Ground (ft)</b>	10.0

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" (Cmt. w/ 300sx., Circ.)	36.00	H-40	0.00	297.00
Int. Casing	9-5/8" (Cmt. w/ 1500sx, Circ.)	32 / 34 / 40	H-40	0.00	2,955.00
Prod. Casing	7" (Cmt. w/ 300sx / 700 sx, TOC @ )	23.00	J-55 N-80	0.00	6,694.00

INJECTION TBG STRING			
ITEM	DESCRIPTION	LENGTH (FT)	Btm (FT)
1	171 JTS 2-3/8" IPC Tubing		
2	Baker Lok-set packer w/on-off tool		
3			
4			
5			
6			
7			
8			
9			
10			

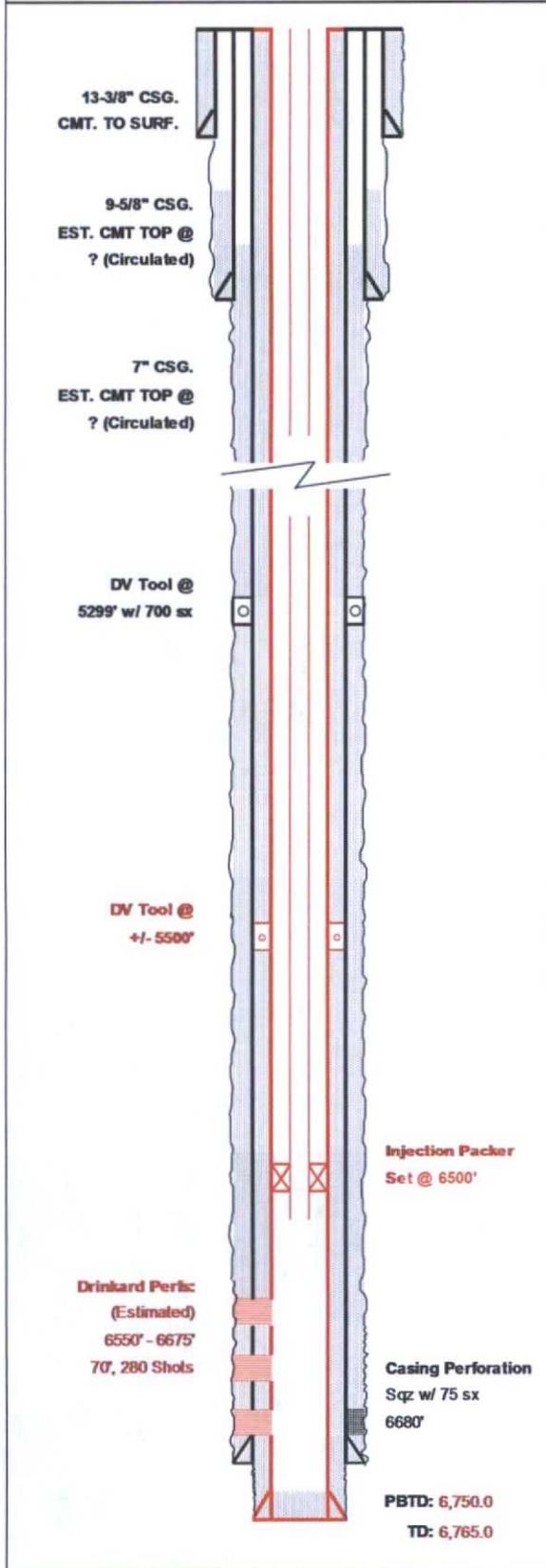
PERFORATIONS			
Form.	Intervals	FT	SPF
Blinebry	5602' - 08', 26'-34', 38'-44', 50'-92', 5718'-32', 90'-5822', 5826'-38', 48'-62'	142	1
Tubb	6185' - 6285'	101	2
Drinkard	6578' - 6604', 6659' - 70'	39	6
	6470' - 88', 6512' - 30'	38	?
	6578'-6604', 6657'-69'	40	4

**Casing Perforation**  
 Sqz w/ 75 sx  
 6680'

**PBTD:** 6,670.0  
**TD:** 6,699.0

Proposed Wellbore Diagram

Apache Corporation  
 WBDU #60W (State C Tract 12 #6Y)  
 WELL DIAGRAM (PROPOSED CONFIGURATION)



<b>WELL NAME:</b>	WBDU #60W (State C Tract 12 #6Y)	<b>API:</b>	30-025-06628
<b>LOCATION:</b>	720' FNL & 1980' FWL Sec 16, T-21S, R-37E	<b>COUNTY:</b>	Lea Co., NM
<b>SPUD/TD DATE:</b>	5/6/1948 - 7/1/1948	<b>COMP. DATE:</b>	7/15/1948
<b>PREPARED BY:</b>	Bret Shapot	<b>DATE:</b>	11/11/2015
<b>TD (ft):</b>	6,765.0	<b>KB Elev. (ft):</b>	3509.0
<b>PBTD (ft):</b>	6,750.0	<b>Ground Elev. (ft):</b>	3499.0
<b>KB to Ground (ft)</b>	10.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)
Surface Casing	13-3/8" (Cmt. w/ 300sx., Circ.)	36.00	H-40	0.00 297.00
Int. Casing	9-5/8" (Cmt. w/ 1500sx., Circ.)	32 / 34 / 40	H-40	0.00 2,955.00
Prod. Casing	7" (Cmt. w/ 300sx / 700 sx, TOC @ ?)	23.00	J-55 N-80	0.00 6,694.00
Liner	4-1/2" Cmt. To surf	11.60	J-55	0.00 6,765.00

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) 6500' - 6675'	70	4

Injection Packer  
Set @ 6500'

Drinkard Perfor.  
(Estimated)  
6550' - 6675'  
70', 280 Shots

Casing Perforation  
Sqz w/ 75 sx  
6680'

PBTD: 6,750.0  
TD: 6,765.0