

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
HOBBS OCD
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
MAY 20 2013

Form C-103
Revised August 1, 2011

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. 30-025-06442
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <u>Injection</u>		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 3000 Midland, TX 79705		7. Lease Name or Unit Agreement Name West Blinbry Drinkard Unit (WBDU) 737346
4. Well Location Unit Letter <u>G</u> : 1980 feet from the <u>North</u> line and 1980 feet from the <u>East</u> line Section <u>9</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number <u>005</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3488' GL		9. OGRID Number 873
		10. Pool name or Wildcat Eunice; B-T-D, North (22900)

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" 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"/>	COMPLETION <input type="checkbox"/>	PERMANENT PLUG <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: <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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache intends to install a liner and RTI as a Drinkard only injector, per the attached procedure.

WFX = R-12981

Spud Date: <u>7/7/1947</u>	Rig Release Date: <u>9/13/1947</u>
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Reesa Holland Fisher TITLE Sr. Staff Reg Tech DATE 5/17/2013

Type or print name Reesa Holland Fisher E-mail address: Reesa.Holland@apachecorp.com PHONE: 432/818-1062

For State Use Only

APPROVED BY: [Signature] TITLE DRS MGR DATE 5-22-2013

Conditions of Approval: The Operator shall give the OCD District office 24 hours notice before work begins.

CONDITION OF APPROVAL: Notify OCD Hobbs Office 24 hours prior to running MIT Test & Chart.

MAY 23 2013

WBDU 5W Proposed Procedure:

Clean the well out, install and cement a 4-1/2" liner to surface, complete all floodable pay in the Drinkard, and return the well to injection as a Drinkard only injector

Day 1: MIRU. Install BOP. Release 7" packer and POOH w/ 2-3/8" IPC injection tubing and packer.

PU and RIH w/6-1/8" bit and 2-3/8" work string

Day 2: Cont RIH w/6-1/8" bit and 2-3/8" work string. RIH to top of 4-1/2" liner @ +/-6385', POOH.

PU RIH w/tapered mill and 2-3/8" work string

Day 3: Cont. RIH w/tapered mill and 2-3/8" work string. Mill on liner top. POOH

PU and RIH w/3-3/4" bit and 2-3/8" work string

Day 4: Cont. RIH w/3-3/4" bit and 2-3/8" work string. Clean out 4-1/2" liner to +/-6770' PBTD. POOH

Day 5: RU wireline unit. RIH w/ GR/CNL/CBL/CCL, log well from 6770' to surface, POOH (Drinkard perforations to be determined from log)

RIH w/ wireline and set 4-1/2" CIBP @ +/-6425'

Day 6: RU casing crew & equipment

RIH w/lead seal tie-back, 1 jt. shoe track, float collar, and 4-1/2" 11.6# J-55 casing w/ centralizers, marker joint, and stage tool (at +/- 5500')

Land seal tie-back in 4-1/2" liner top @ +/-6385'. Set 15,000# to 20,000# compression down to compress lead seal. DO NOT PICK BACK UP

Perform two stage cement job to surface. WOC

Day 7: RIH w/ 3-3/4" bit on 2-3/8" work string. Drill out stage tool, float collar, seal tie-back, cement and CIBP. Clean well out to +/-6770' PBTD. POOH

Day 8: RU wireline unit. RIH w/CBL/CCL, log well from PBTD to surface. RIH w/perforating guns, perforate the Drinkard as per the log evaluation above at 4 SPF, 90 degree phasing

PU RIH w/4-1/2" treating packer on 2-3/8" work string

Day 9: Cont. RIH w/4-1/2" treating packer on 2-3/8" work string. Set packer @ +/-6400'

Acidize the Drinkard w/10,000 gals 15% HCl-NE-FE BXDX acid w/scale inhibitor and rock salt in 3 equal stages @ +/-10 BPM. Release pkr. Wash out salt

POOH

Day 10: RIH w/4-1/2" injection packer, on-off tool and 2-3/8" work string. Set packer @ +/- 6410'. P/T backside to 500 psi. Release on/off tool and POOH LD 2-3/8" work string

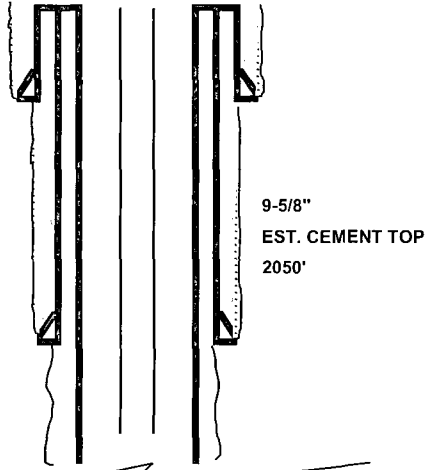
Day 11: RIH w/2-3/8" IPC injection tubing. Latch on to packer @ +/- 6410'. RO

Day 12: Run MIT for NMOCD

Allow injection rates to stabilize, run injection profile and temperature survey

At later date, shut well in and perform injection fall-off test or static gradient

Apache Corporation
WBDU #5W (SOUTHLAND ROYALTY A #1)
WELL DIAGRAM (CURRENT CONFIGURATION)



Blinebry Perfs
(Sq. w/400sx)

5664-78', 88-94'
5704-06', 22-24'
5736-44', 56-58'
5814-16', 38-40'
5868-70'
5902-04', 48-50'

Tubb Perfs
(Sq. w/250sx)

6150-60'
6210-28', 42-55'
6265-75', 92-98'
6347-53', 80-85'

7" EST. CEMENT TOP
5175' (TS)

Blinebry Perfs

5664-78', 88-94'
5704-06', 22-24'
5736-44', 56-58'
5772-84', 5814-26'
5836-46', 66-70'

Liner top @ 6385'

Drinkard Perfs

6450-70', 6508-32'
6640-60'
Tag @ 6536'

PBTD @ 6770'

CIBP @ 6800' w/ 30' cmt

Abo Perfs

6822-28', 32-43'

Liner PBTD: 6930'

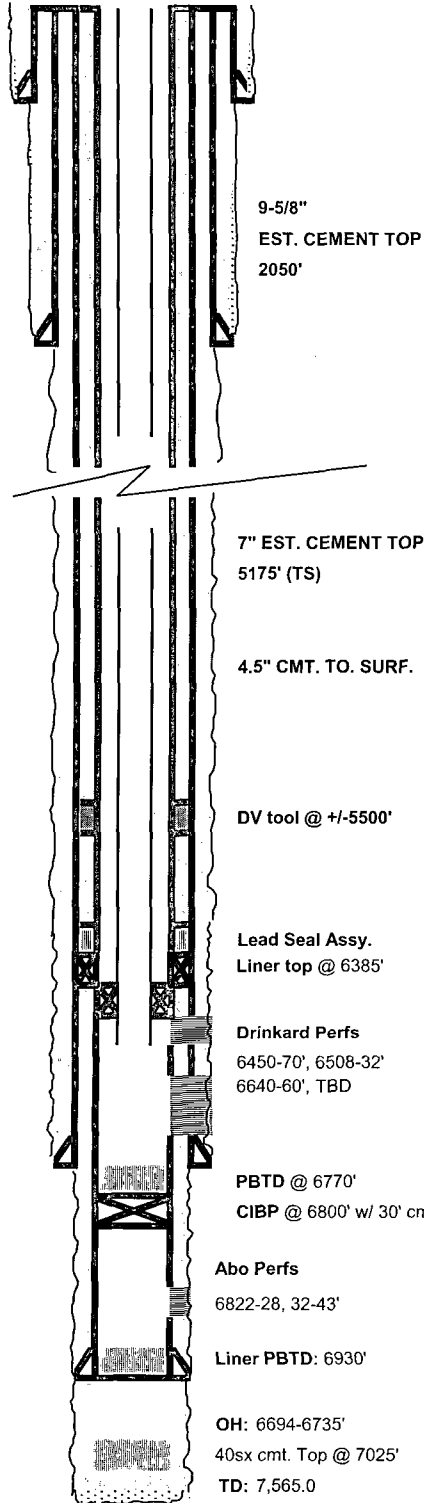
OH: 6694-6735'

40sx cmt. Top @ 7025'

TD: 7,565.0

WELL NAME:		WBDU #5W (SOUTHLAND ROYALTY A #1)		API:		30-025-06442	
LOCATION:		1980°N/1980°E C-SW-NE, Sec. 9, T-21S, R-37E		COUNTY:		Lea Co., NM	
SPUD/TD DATE:		07-07-47 / 08-29-47		COMP. DATE:		9/12/1947	
INJ ORDER DATE:		8/11/2008		INJ. ORDER #:		R-1298/A	
PREPARED BY:		Michael Hunter		DATE:		5/1/2013	
TD:		7,565.0		KB Elev.		3488.00	
PBTD:		6,770.0		Ground Elev.		3478.00	
				KB Dist. H			
				KB to Ground		10.00	
CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)			
Surface Casing	13-3/8" (225sx, circ.)	36/54.5	J-55	0.00	248.00		
	9-5/8" (1500sx, TOC @ 2050')	32/36	J-55	0.00	3,860.00		
Prod. Casing	7" (600sx, TOC @ 5175' TS)	23.00	J-55/N-80	0.00	6,683.00		
Liner	4-1/2" (144sx, circ.)	11.60	K-55	6,385.00	7,000.00		
Tubing	2-3/8"	4.7#	J-55 IPC	0.00	5,610.00		
INJECTION TBG STRING							
ITEM	DESCRIPTION			LENGTH (FT)	Depth (FT)		
1	ON/OFF TOOL				5,589		
2	7" LOK-SET PACKER				5,591		
3	177 JTS 2-3/8" 4.7# J-55 IPC				5,610		
4							
5							
6							
7							
8							
9							
10							
PERFORATIONS							
Zone	Intervals				Density		
Blinebry	5664-78', 88-94', 5704-06', 22-24', 36-44', 56-58', 72-84', 5814-26, 36-46', 66-70' (Active)				1/2 SPF		
	5664-78', 88-94', 5704-06', 22-24', 36-44', 56-58', 5814-16', 38-40', 68-70', 5902-04', 48-50' (Squeezed)				2/4 SPF		
Tubb	6150-60', 66210-28', 42-55', 65-75', 92-98', 6347-53', 80-85' (Squeezed)				4 SPF		
Drinkard	6450-70', 6508-32', 6640-60' (Active)				4 SPF		
Abo	6822-28', 6832-43' (Suspended)				4 SPF		

Apache Corporation
WBDU #5W (SOUTHLAND ROYALTY A #1)
WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:		WBDU #5W (SOUTHLAND ROYALTY A #1)		API:		30-025-06442	
LOCATION:		1980°N/1980°E C-SW-NE, Sec. 9, T-21S, R-37E		COUNTY:		Lea Co., NM	
SPUD/TD DATE:		07-07-47 / 08-29-47		COMP. DATE:		9/12/1947	
INJ ORDER DATE:		8/11/2008		INJ. ORDER #:		R-1298/A	
BPD/PSI:		490/1120					
PREPARED BY:		Michael Hunter		DATE:		5/1/2013	
TD:		7,565.0		KB Elev.		3488.00	
KB Dist. H							
PBTD:		6,770.0		Ground Elev.		3478.00	
KB to Ground		10.00					
CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)			
Surface Casing	13-3/8" (225sx, circ.)	36/54.5	J-55	0.00	248.00		
	9-5/8" (1500sx, TOC @ 2050')	32/36	J-55	0.00	3,860.00		
Prod. Casing	7" (600sx, TOC @ 5175' TS)	23.00	J-55/N-80	0.00	6,683.00		
Liner	4-1/2" (Cmt. to surf.)	11.60	J-55	0.00	6,385.00		
	4-1/2" (144sx, circ.)	11.60	K-55	6,385.00	7,000.00		
Tubing	2-3/8"	4.7#	J-55 IPC	0.00	6,430.00		
INJECTION TBG STRING							
ITEM	DESCRIPTION			LENGTH (FT)	Depth (FT)		
1	ON/OFF TOOL				+/-6408		
2	4-1/2" LOK-SET PACKER				+/-6410		
3	203 JTS 2-3/8" 4.7# J-55 IPC				+/-6430		
4							
5							
6							
7							
8							
9							
10							
PERFORATIONS							
Zone	Intervals				Density		
Blinebry							
Tubb							
Drinkard	6450-70', 6508-32', 6640-60' (Active)				4 SPF		
	TBD				4 SPF		
Abo	6822-28', 6832-43' (Suspended)				4 SPF		