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.
30-025-09912

5. Indicate Type of Lease
STATE ☑ FEE ☐

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name
Northeast Drinkard Unit (NEDU) / 22503

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Injection

8. Well Number 611

2. Name of Operator
Apache Corporation

9. OGRID Number
873

3. Address of Operator
303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705

10. Pool name or Wildcat
Eunice; B-T-D, North (22900)

4. Well Location
Unit Letter G : 1980 feet from the North line and 1978 feet from the East line
Section 15 Township 21S Range 37E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3430' GL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:		DEEPEN & RUN LINER	☑	OTHER:			☐

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 deepen this well, run a liner and reactivate injection in the Drinkard formation, per the attached.

HOBBS OCD
APR 18 2017
RECEIVED

Spud Date: 8/30/1948 Rig Release Date: 11/1/1948

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 3/30/2017

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

For State Use Only

APPROVED BY: TITLE Petroleum Engineer DATE 04/18/2017

Conditions of Approval (if any):

NEDU 611W: Deepen Well, Run Liner, and Reactivate Injection Well in the Drinkard Formation

(30-025-09912)

Day 1: MIRU. RIH w/ 2-7/8" work string & 4-3/4"bit. Tag cement @ +/-6012 and drill out CIBP @ 5977'. Continue drilling to new TD @ 6779 (+/- 100' from proposed bottom perf).

Day 2: Cont. to drill well out to new TD @ +/-6779'.

Day 3: Cont. to drill well out to new TD @ +/-6779'. Circulate wellbore clean and POOH and LD 2-7/8" work string

Day 4: 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 +/- 6779'

RU cementers, perform single stage cement job to surface consisting of 20 bbl fresh water flush, 80 bbl seal bond LCM spacer, and 70 sacks of TXI Lite cement + additives (weight 12.5 ppg, yield 1.64 cf/sack, volume 17.1 bbls) and 176 sacks of TXI Lite cement + additives (weight 13.2 ppg, yield 1.39 cf/sack, volume 51.3 bbls) Displace with 105 bbls fresh water (confirm all volumes)

Day 5: Wait on cement

Day 6: RIH w/ 3-7/8" bit on 2-3/8" work string. Drill out float collar and cement to +/- 6750'. Circulate clean. POOH

Day 7: MIRU WL and RIH w/ GR/CNL/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 @ 2 SPF, 90 deg phasing (estimated 70', 140 shots), POOH

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

Day 8: Cont. RIH w/ treating packer on 2-3/8" work string while hydrotesting to 7500 psi. Set packer @ +/-50' above top perf.

MIRU acid crew. Acidize the Drinkard w/10,000 gals 15% HCl and using 1.3 SG ball sealers for diversion. Pump between 50-75% excess ball sealers.

- Max Pressure 7500 psi (kickouts set at 6500 psi)
- Max Rate 8 BPM

Release packer and POOH

Day 9: 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 +/- 50' above top perf. Release on/off tool and pressure test casing to 500 psi. POOH and LD 2-3/8" work string

Day 10: PU & RIH w/2-3/8" IPC 1505 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

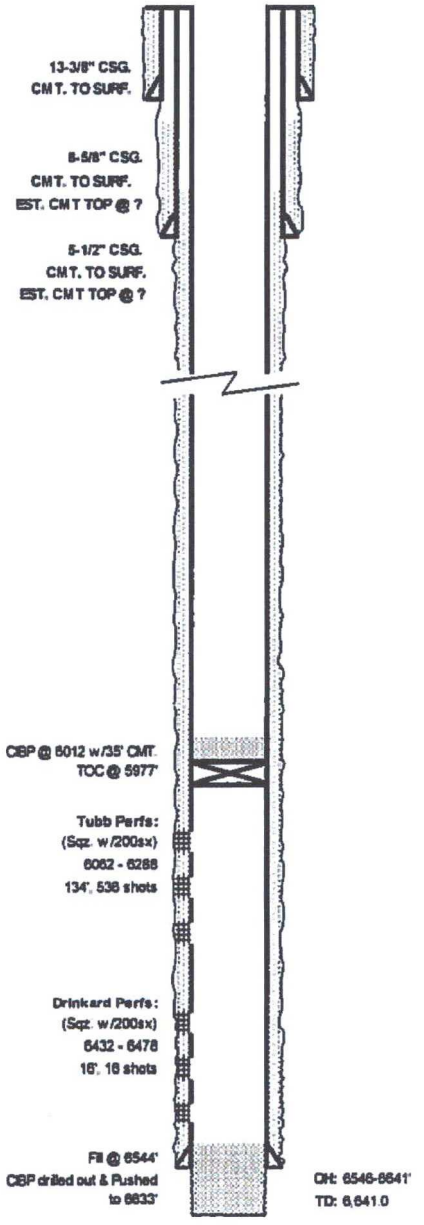
Day 11: Perform MIT test for NM OCD. Place well on injection

Current Wellbore Diagram

Apache Corporation

NEDU #611W (State Section 15 #1)

WELL DIAGRAM (CURRENT CONFIGURATION)



WELL NAME:	NEDU #611W (State Section 15 #1)	**API:**	30-025-09912
LOCATION:	1980' FNL & 1978' FEL Unit G, Sec. 15, T-21S, R-37E	**COUNTY:**	Lea Co., NM
SPUD/TD DATE:	8/30/1948 - 11/1/1948	**COMP. DATE:**	11/6/1948
PREPARED BY:	Michael Hunter	**DATE:**	5/28/2014
TD (ft): 6,641.0	**KB Elev. (ft):** 3441.0	**KB to Ground (ft)**	11.0
PBTD (ft): 5,977.0	**Ground Elev. (ft):** 3430.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" (Cmt. w/ 250sx, Circ.)	32.40	-	0.00	228.00
Int. Casing	8-5/8" (Cmt. w/ 1500sx, Circ.)	32.00	H-40	0.00	2,897.00
Prod. Casing	5-1/2" (Cmt. w/ 1200sx, Circ.)	15.50	J-55	0.00	6,546.00
Openhole	4-3/4"			6,546.00	6,641.00
Tubing					

INJECTION TBG STRING

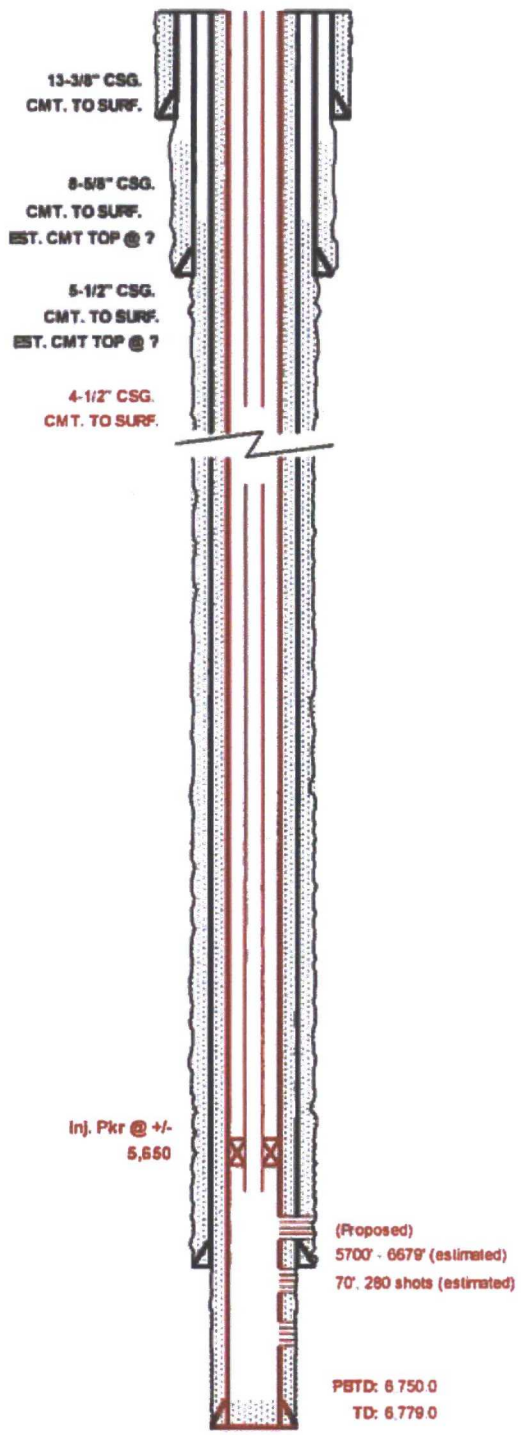
ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

PERFORATIONS

Form.	Intervals	FT	SPF
Blinebry			
Tubb	Sqz w/200sx 6062' – 77', 92' – 6108', 6165' – 72', 82' – 6215', 6225' – 88'	134	4
Drinkard	Sqz w/200sx 6432', 34', 36', 38', 42', 45', 48', 53', 55', 60', 63', 65', 67', 69', 76', 78'	16	1

Proposed Wellbore Diagram

Apache Corporation
NEDU #611W (State Section 15 #1)
WELL DIAGRAM (PROPOSED CONFIGURATION)



WELL NAME:	NEDU #611W (State Section 15 #1)	**API:**	30-025-09912
LOCATION:	1980' FNL & 1978' FEL Unit G, Sec. 15, T-21S, R-37E	**COUNTY:**	Lea Co., NM
SPUD/TD DATE:	8/30/1948 - 11/1/1948	**COMP. DATE:**	11/6/1948
PREPARED BY:	Krist Hasselbach	**DATE:**	3/29/2017
TD (ft): 6,779.0	**KB Elev. (ft):** 3441.0	**KB to Ground (ft)**	11.0
PBTD (ft): 6,750.0	**Ground Elev. (ft):** 3430.0		

CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	13-3/8" (Cmt. w/ 250sx, Circ.)	32.40	-	0.00	228.00
Int. Casing	8-5/8" (Cmt. w/ 1500sx, Circ.)	32.00	H-40	0.00	2,897.00
Prod. Casing	5-1/2" (Cmt. w/ 1200sx, Circ.)	15.50	J-55	0.00	6,546.00
Liner	4-1/2" (Cmt. to surf)	11.60	J-55	0.00	6,779.00
Injection Tubing	2-3/8"	4.70	J-55 IPC 1505	0.00	5,675.90

INJECTION TBG STRING

ITEM	DESCRIPTION	LENGTH (FT)	Depth (FT)
1	2-3/8" 4.7 LB/FT J-55 IPC 1505 TBG	5,642.00	5653.00
2	2-3/8" ON/OFF TOOL W/ 1.78 F PROFILE	1.80	5654.80
3	2-3/8" X 4-1/2" NICKLE PLATED ARROW-SET PKR	6.20	5661.00
4	2-3/8" 4.7 LB/FT J-55 IPC TBG	8.00	5669.00
5	2-3/8" PROFILE NIPPLE 1.50 R	0.90	5669.90
6	2-3/8" 4.7 LB/FT J-55 IPC TBG	6.00	5,675.90
7			
8			
9			
10			

PERFORATIONS

Form.	Intervals	FT	SPF
Blinebry			
Tubb			
Drinkard	5700' - 6679' (estimated)	70	4