District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

HOBBS OCD
DEC 30 2016
RECEIVED

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
Apache Corporation: 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705	873
	3. API Number: 30-025-06672

4. Property Code	5. Property Name	6. Well No.
23117	State CK	001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	19	21S	37E		330	FSL	2209	FWL	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name	Pool Code
Tubb Oil & Gas (Oil)	60240

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
A	O		State	3516'
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
No	6753' TD / 6670' PBTD	Drinkard		Orig 11/23/1961;Add 01/2017

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water

☑ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Existing	12-1/4"	8-5/8"	24#	1225'	650 sx	Surface
Existing	7-7/8"	5-1/2"	14# & 15.5#	6753'	675 sx	2400' CBL

Casing/Cement Program: Additional Comments

Currently in Paddock & Drinkard. See attached to CO/test Paddock; log well, determine adding perfs & acid. Will amend DHC, if needed.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.**	OIL CONSERVATION DIVISION
Signature: Reesa Fisher	Approved By:
Printed name: Reesa Fisher	Title: Petroleum Engineer
Title: Sr Staff Reg Analyst	Approved Date: 01/03/17 — Expiration Date: 01/03/19
E-mail Address: Reesa.Fisher@apachecorp.com	
Date: 12/27/2016 — Phone: (432) 818-1062	Conditions of Approval Attached *

* IF DHC WITH PADDOCK & DRINKARD NEED TO AMEND DHC ORDER

State CK #1 (30-025-06672)

AFE: 11-16-2002

Work Objective: Cleanout well, log well, add pay (pending log results) and acidize. Return to production.

Day 1: RU SU. POOH w/pump and rods.

NOTE: If paraffin is encountered, DO NOT hot water down tubing. Attempt to swab paraffin out of tubing and strip out if necessary. If problems encountered, discuss with Midland engineering. A diesel cleanup may be necessary.

NU BOP. POOH w/tubing. Note scale and paraffin deposits as well as location of deposits on report. Notify Midland engineering of type and amount of scale encountered as soon as tubing is pulled.

Day 2: PU 2-7/8" workstring, bit and scraper. RIH to ±6670' and confirm depth of fill. POOH.

MIRU foam air unit. RIH and cleanout well to PBTD @ 6753'. POOH.

Day 3: MIRU WL Unit. Run GR/CNL log. Send logs to Midland Engineering and SDFN.

RIH w/RBP and packer. Set RBP @ 5200' and packer @ 5115'. Swab test Paddock.

NOTE: Pending results of the Paddock swab test, a squeeze of the Paddock perforations may be conducted. Additionally, it is also possible that, should the Paddock test productive with a high oil cut, an acid job on the Paddock may be performed.

If squeeze is necessary, MIRU cementing crew and squeeze Paddock w/cement volume as determined by collaboration of Midland engineering, the cement service company, and the field personnel. WOC. RIH w/bit and drill out cement. Upon completion, move on to day 4.

If acid job is required, acidize w/1000 gallons of 15% NEFE HCl acid and a small volume of rock salt. Upon completion, move to day 4.

Day 4: Release packer. RIH and latch RBP. Release RBP and POOH.

Perforate well in bypassed Drinkard pay and new Tubb pay pending results of the GR/CNL log w/2 SPF and 180 degree phasing

RIH w/RBP and packer. **Set RBP @ ±35' above topmost Drinkard perforation and packer @ 35' below lowest Drinkard perforation'.** Acidize Drinkard w/3500 gals 15% NEFE HCl and rock salt. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures.

Release packer. RIH and latch RBP. Release RBP and pick up hole. **Set RBP @ ±35' above topmost Tubb perforation and packer @ 35' below lowest Tubb perforation'.** Acidize Tubb w/2500 gals 15% NEFE HCl acid and ball sealers. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures.

Day 5: Release packer. RIH and latch RBP. Release RBP and POOH w/packer and RBP laying down workstring.

Day 6: Test in hole w/2-7/8" tubing. Lay down 225' of 3/4" rods and add 225' of 1-1/2" sinker bars. RIH w/rods and pump. POP.

Apache Corporation

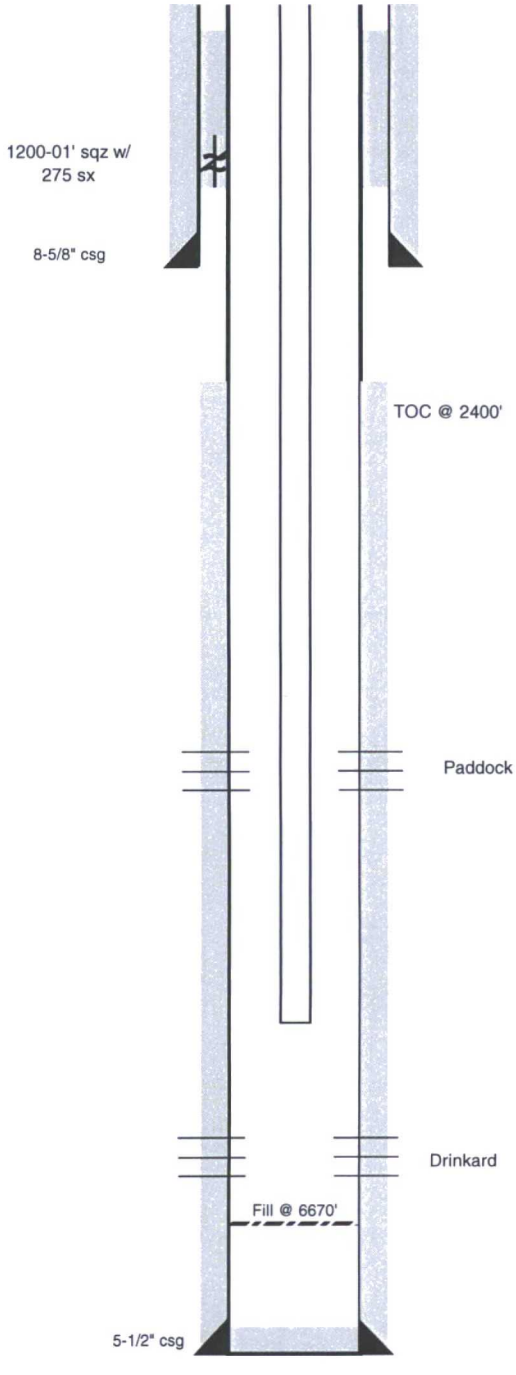
CURRENT

Work Objective _____

Region Office Permian / Midland
District /Field Office NW / Eunice South
AFE Type

Start Date	TBD	End Date	TBD
Lease	State CK	KB	10'
Well Name	State CK	Well No.	#1
Field	Eunice Area	TD @	6753'
County	Lea	PBTD @	6670'
State	New Mexico	ETD @	N/A
AFE #	TBD	API #	30-025-06672
Gross AFE	TBD	Spud Date	11/23/1961
Apache WI	100.000000%	Comp. Date	1/18/1962

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8-5/8"	J-55	24#	1225'	650	Circulated to surface
Inter Csg						
Prod Csg	5-1/2"	J-55	14# & 15.5#	6753'	675	2400' CBL
Casing Liner						



Date	Zone	Actual Perforations	JSPF	Total Perfs
12/31/1961	Drinkard	6631'-54', 6661'-67'	2	
1/4/1962	Paddock	5153'-66'	2	
12/8/1988		Perf 5-1/2" csg @ 1200-01'. Set cmt ret @ 1094'. Squeeze csg w/275 sx cmt. DO cmt 1098' – 1210'.	4	

Date	Zone	Stimulation / Producing Interval	Amount
1/1/1962	Drinkard	Acid Drinkard w/3000 gals 15% HCL. 3 BPM @ 2000 psi. ISIP = 1400 psi.	
1/5/1962	Paddock	Acid Paddock w/500 gals 15% HCL. 0.5 BPM @ 1500-600 psi.	
5/1/1987	Drinkard	Acid Drinkard w/275 gals Super A-Sol + 5000 gals 15% HCL.	
12/8/1992	Drinkard & Paddock	Acidize Drinkard & Paddock perfs w/4500 gals 15% HCL.	

Jts	Feet	Pulled Description	Tubing		Jts	Feet	Ran Description
			PIN JT	#VALUE!			
			PS	#VALUE!			
			SN	#VALUE!			
			IPC	#VALUE!			
			TBG	#VALUE!			
			TAC	#VALUE!			
			TBG	#VALUE!			
				#VALUE!			
				#VALUE!			
			KB	10'	0	0.00	

Jts	Feet	Pulled Description	Rods	Jts	Feet	Ran Description
			Gas Anchor			
			Pump			
			TOOL			
			K-BAR			
			TOOL			
			K-BARS			
			RODS			
			RODS			
			RODS			
			SUBS			
			POLISH			
				0	0.00	

Well History / Failure	

Apache Representative _____ **Contract Rig/Number** _____

Apache Engineer Jacob Bower **Operator** _____

PROPOSED

Apache Corporation

Work Objective _____

Region Office Permian / Midland
District /Field Office NW / Eunice South
AFE Type

Start Date	TBD	End Date	TBD
Lease	State CK	KB	10'
Well Name	State CK	Well No.	#1
Field	Eunice Area	TD @	6753'
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State	New Mexico	ETD @	N/A
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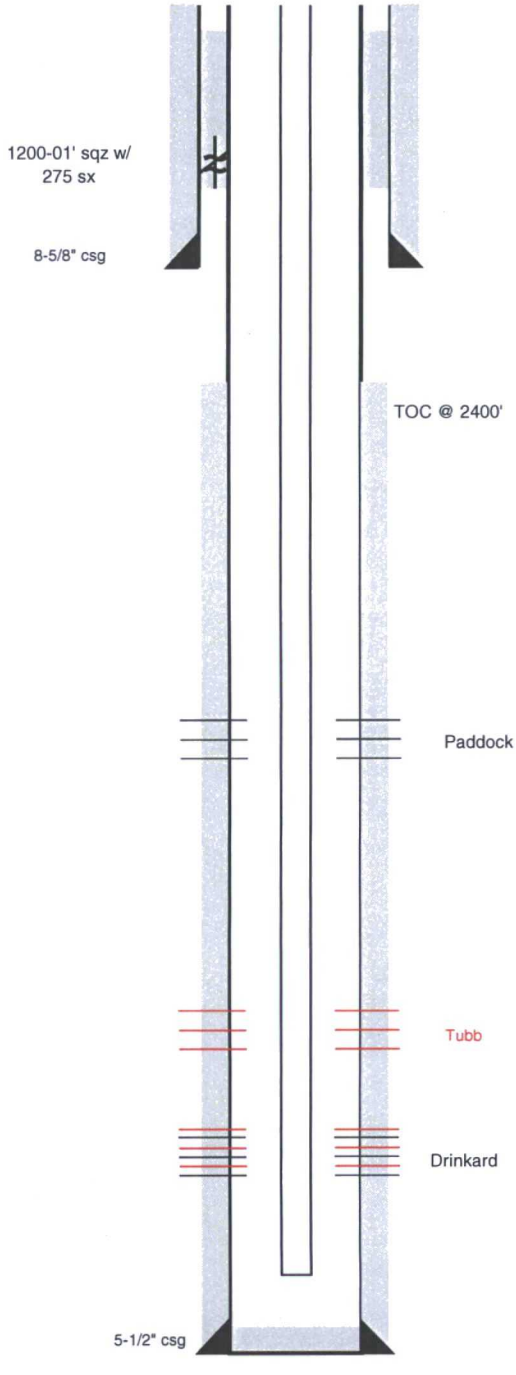
Casing Liner						



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TBD	Paddock	Pending swab results, possibly squeeze perforations		
TBD	Tubb	Pending Log results	2	
TBD	Drinkard	Pending Log results	2	

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12/8/1992	Paddock	Acidize Drinkard & Paddock perfs w/4500 gals 15% HCL.	
TBD	Paddock	Pending swab results, possibly acidize w/1000 gals 15% HCL and rock s	
TBD	Tubb	Acidize w/2500 gals 15% HCl and rock salt	
TBD	Drinkard	Acidize w/3500 gals 15% HCl and rock salt	

Jts	Feet	Pulled Description	Tubing		Jts	Feet	Ran Description
			PIN JT	#VALUE!			
			PS	#VALUE!			
			SN	#VALUE!			
			IPC	#VALUE!			
			TBG	#VALUE!			
			TAC	#VALUE!			
			TBG	#VALUE!			
				#VALUE!			
				#VALUE!			
			KB	10'	0	0.00	

Jts	Feet	Pulled Description	Rods	Jts	Feet	Ran Description
			Gas Anchor			
			Pump			
			TOOL			
			K-BAR			
			TOOL			
			K-BARS			
			RODS			
			RODS			
			RODS			
			SUBS			
			POLISH			
				0	0.00	

Apache Representative _____ **Contract Rig/Number** _____

Apache Engineer Jacob Bower **Operator** _____