Form 3160-4 (March 2012)

UNITED STATES DEPARTMENT OF THE INTERIOR

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FORM APPROVED OMB NO. 1004-0137

BUREAU OF LAND MANAGEMENT Expires: October 31, 2014 WELL COMPLETION OR RECOMPLETION REPORT AND LogMOCD AR English Settled No. NMLC029395B la Type of Well ✓ Oil Well Gas Well 6 If Indian, Allottee or Tribe Name Dry Other New Well Work Over Deepen Plug Back Diff. Resvr, Type of Completion 7 Unit or CA Agreement Name and No Other: 2 Name of Operator Apache Corporation (873) 8. Lease Name and Well No. Lee Federal #47 (308720) 3a. Phone No. (include area code) (432) 818-1015 9. API Well No. 3 Address 303 Veterans Airpark Ln , Ste 3000 Midland, TX 79705 30-015-40033 10 Field and Pool or Exploratory 4. Location of Well (Report location clearly and in accordance with Federal requirements)* Cedar Lake; Glorieta-Yeso (96831) 885' FSL & 1740' FEL, Sec 20, T.17S, R 31E, UL:O 11 Sec., T, R, M, on Block and At surface Survey or Area Sec 20, T 17S, R 31E, UL O 12 County or Parish 13 State At top prod interval reported below Eddy NM At total depth 14 Date Spudded 15. Date T D Reached Date Completed 17. Elevations (DF, RKB, RT, GL)* □D&A Ready to Prod 07/12/2012 07/23/2012 3720' 18 Total Depth: MD 19. Plug Back T D .: MD 6375 20. Depth Bridge Plug Set: 6412' MD TVD TVD Yes (Submit analysis) 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Was well cored? ☐ No Yes (Submit report) Was DST run? ☐ No CN/Hi-Res LL/BHC/HNG/CAL Yes (Submit copy) Directional Survey? □ No 23 Casing and Liner Record (Report all strings set in well) Stage Cementer No of Sks & Slurry Vol Hole Size Size/Grade Wt. (#/ft) Top (MD) Bottom (MD) Cement Top* Amount Pulled Depth Type of Cement 384 17-1/2" 13-3/8" 48# 400 sx Class C Surface 11" 8-5/8" 32# 3500 1420 sx Class C Surface 7-7/8" 5-1/2" 17# 6412' 1100 sx Class C 500' **Tubing Record** Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 2-7/8" 6341' 25. Producing Intervals 26 Perforation Record Formation Top Bottom Perforated Interval Size No Holes Perf. Status A) Lower Blinebry 5412' 6046'-6305' 1 SPF 20 Producing B) Upper Blinebry 5412' 5454'-5970' 29 1 SPF Producina C) Glorieta/Paddock 4803'/4878' 4814'-5333' 1 SPF 29 Producing D) 27. Acid, Fracture, Treatment, Cement Squeeze, etc Depth Interval Amount and Type of Material 114,250 gals 20#, 147,546# sand, 4500 gals acid, 4830 gals gel 6046'-6305' 151,034 gals 20#, 194,245# sand, 8502 gals acid, 4242 gals gel 5454'-5970' 4814'-5333' 166,100 gals 20#, 221,836# sand, 3906 gals acid, 4704 gals gel 28. Production - Interval A Date First Test Date Test Water Oil Gravity Hours Production Method Gas Production BBL MCF BBL Produced Tested Corr. API Gravity Pump 09/12/12 10/07/12 24 65 82 333 37.1 Choke Tbg. Press. Csg. 24 Hr. Oil Water Gas Gas/Oil Producing CEPTED FOR RECORD Size Flwg Rate BBL MCF BBL Ratio 1262 28a. Production - Interval B Date First Test Date Oil Water Hours Gas Oil Gravity Gas Production Method Produced Tested Production BBL MCF BBL OCT 28 2012 Corr. API Gravity

*(See instructions and spaces for additional data on page 2)

24 Hr.

Rate

Oil

BBL

Gas

MCF

Water

BBL.

Gas/Oil

Ratio

Well Status

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Csg.

Press

Choke

Size

Tbg. Press.

Flwg.

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		Test	Oil	Gas	Water	Oıl Gı	ravity	Gas	Production Method		
	Tested	Production	BBL	MCF	BBL	Corr	API	Gravity			
		24 Hr. Rate	Oıl BBL	Gas MCF	Water BBL	Gas/C Ratio	ગો	Well Status			
						I					
	Hours Tested	Test Production	Oıl BBL	Gas MCF	Water BBL			Gas Gravity	Production Method		
	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL			Well Status			
sition of Gas	Solid, u	sed for fuel, v	ented, etc.)	1		-	t			
30 Summary of Porous Zones (Include Aquifers)									31. Formation (Log) Markers		
ng depth int	t zones of erval teste	porosity and o	contents the	nereof: Cored pol open, flow	intervals and all ing and shut-ın p	drill-ster	n tests, and				
mation	Тор	Bottom		Des	Descriptions, Contents, etc				Name	Top Meas Depth	
	1							Rustler Yates		321' 1569'	
								Seven Rivers Bowers - SD		1875' 2270'	
								Queen Grayburg		2494' 2849'	
								San Andres Glorieta		3255' 4803'	
								Paddock Yeso		4878' 4878'	
								Blinebry Tubb		5412' 6354'	
tional remar	ks (includ	e plugging pr	ocedure)								
ronal formal	, co (morae	e hogeme b	0000000								
cate which it	ems have	been attached	by placin	g a check in th	ne appropriate bo	oxes					
 ✓ Electrical/Mechanical Logs (1 full set req'd) ☐ Geologic Report ☐ Sundry Notice for plugging and cement verification ☐ Core Analysis 									☑ Directional Survey C-102, C-104, Frac Disclosu	re	
		·				ect as det					
					proto una com				records (see attached instructions)	,	
Signature Signature						11110		,			
	Tbg. Press Flwg. SI Tog. Press Flwg. SI sition of Ga: mary of Poro all important ing depth int ries mation tional remark	Tog. Press Csg Flwg. SI uction - Interval D Test Date Hours Tested Tbg. Press SI sition of Gas (Solid, unitary of Porous Zones all important zones of ling depth interval testeries mation Top tional remarks (include andry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been certical/Mechanical Logardry Notice for plugging the press cate which items have been considered the press	Tog. 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Press Rate BBL Sil Sil BBL Sition of Gas (Solid, used for fuel, vented, etc., mary of Porous Zones (Include Aquifers) all important zones of porosity and contents thing depth interval tested, cushion used, time to ries mation Top Bottom Top Bottom Top Bottom Tate which items have been attached by placing ectrical/Mechanical Logs (1 full set req'd) mary Notice for plugging and cement verification indry Notice for plugging and cement verification individual	Tested Production BBL MCF Tbg. Press Csg Press Rate BBL MCF Itorion - Interval D Test Date Hours Test Production BBL MCF Tbg. Press Csg 24 Hr. Oil Gas MCF Tbg. Press Csg 24 Hr. 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Oil Gas Water BBL Ratio SII SI Sition of Gas (Solid, used for fuel, vented, etc.) mary of Porous Zones (Include Aquifers) all important zones of porosity and contents thereof: Cored intervals and all drill-stering depth interval tested, cushion used, time tool open, flowing and shut-in pressures ries mation Top Bottom Descriptions, Contents, etc Descriptions, Contents, etc which items have been attached by placing a check in the appropriate boxes between the plugging and cement verification Geologic Report and ty Notice for plugging and cement verification Geologic Report and correct as detection of Core Analysis eby certify that the foregoing and attached information is complete and correct as detection of the correct as	Test Press Csg	Tested Production BBL MCF BBL Corr API Gravity Tbg. Press Csg. Press Rate BBL MCF BBL Ratio Test Date Rouse Production BBL MCF BBL Ratio Test Date Rouse Production BBL MCF BBL Corr API Gravity Tog. Press Csg. Press Rate BBL MCF BBL Corr API Gravity Tog. Press Csg. Ratio Dil Gas Water Gas/Oil Gravity Gas Gravity Tog. Press Csg. Ratio BBL MCF BBL Corr API Gravity Tog. Press Csg. Ratio BBL MCF BBL Corr API Gravity Tog. Press Csg. Ratio BBL MCF BBL Ratio Tog. Press Csg. Ratio BBL MCF BBL Ratio Tog. Press Rate BBL MCF BBL Ratio Tog. Press Csg. Ratio BBL Ratio Tog. Press Csg. Ratio BBL MCF BBL Ratio Tog. Press Csg. Ratio BBL	Test Production 1981. MCF 1981. Corr API Gravity	

(Continued on page 3) (Form 3160-4, page 2)