

**CONFIDENTIAL**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

5. Lease Serial No. Jicarilla Apache Lease 424									
6. If Indian, Allottee or Tribe Name Jicarilla Apache Nation									
7. Unit or CA Agreement Name and No.									
8. Lease Name and Well No. Logos #702H									
9. API Well No. 30-043-21219 - 0051									
10. Field and Pool or Exploratory WC 22N5W7; Wildcat Gallup									
11. Sec., T., R., M., on Block and Survey or Area Sec. 8, T22N, R5W									
12. County or Parish Sandoval					13. State NM				
14. Date Spudded 05/18/2014									
15. Date T.D. Reached 06/04/2014									
16. Date Completed 07/01/2014 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.									
17. Elevations (DF, RKB, RT, GL)* 6961' GL									
18. Total Depth: MD 11221' TVD 5390'									
19. Plug Back T.D.: MD 11177' TVD									
20. Depth Bridge Plug Set: MD TVD									
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL									
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" K-55	36	0	520'	N/A	320 sks	63 bbls	surface	30 bbls
8-3/4"	7" J-55	23	0	6171'	4481'	530 sks	174 bbls	3350'	0 bbls
6-1/8"	4-1/2" P-110	11.6	5298'	11221'	N/A	470sks	119 bbls	surface	35 bbls
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	not yet								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Gallup	4188'	11221	6213'-11004'	0.38"	534	open			
B)									
C)									
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
10912'-11004'	1427bbls 70Q Foam, 24755# 20/40 Brown, 269680# 12/20 Brown Sand, 2.7mmcsf N2								
10637'-10856'	1596bbls 70Q Foam, 24097# 20/40 Brown, 277180# 12/20 Brown Sand, 2.7mmcsf N2								
10361'-10581'	1523bbls 70Q Foam, 25580# 20/40 Brown, 279500# 12/20 Brown Sand, 2.6mmcsf N2								
** see attachment for remaining stages									
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→	0	0	0			Flowtest will be reported on 1st Delivery.
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
		0	→	0	0	0			
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

AV

OIL CONS. DIV DIST. 3

JUL 14 2014

Logos 702H  
API# 30-043-21219  
Wildcat Gallup  
Logos Operating, LLC  
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<b>27. Acid, Fracture, Treatment, Cement Squeeze, etc. (cont)</b>		
Depth Interval	Stage	Amount and Type of Material
10088'-10305'	#4	1419bbbls 70Q Foam, 20280# 20/40 Brown, 273700# 12/20 Brown Sand, 2.4mmmscf N2
9809'-10029'	#5	1475bbbls 70Q Foam, 24890# 20/40 Brown, 274120# 12/20 Brown Sand, 2.4mmmscf N2
9533'-9753'	#6	1457bbbls 70Q Foam, 24700# 20/40 Brown, 270202# 12/20 Brown Sand, 2.5mmmscf N2
9257'-9477'	#7	1478bbbls 70Q Foam, 25470# 20/40 Brown, 276960# 12/20 Brown Sand, 2.7mmmscf N2
8981'-9201'	#8	1487bbbls 70Q Foam, 24660# 20/40 Brown, 273280# 12/20 Brown Sand, 1.6mmmscf N2
8704'-8925'	#9	1425bbbls 70Q Foam, 25000# 20/40 Brown, 276580# 12/20 Brown Sand, 2.4mmmscf N2
8429'-8649'	#10	1302bbbls 70Q Foam, 24740# 20/40 Brown, 276920# 12/20 Brown Sand, 2.3mmmscf N2
8153'-8373'	#11	1424bbbls 70Q Foam, 24600# 20/40 Brown, 273060# 12/20 Brown Sand, 2.5mmmscf N2
7877'-8097'	#12	1397bbbls 70Q Foam, 26440# 20/40 Brown, 272200# 12/20 Brown Sand, 2.2mmmscf N2
7601'-7821'	#13	1345bbbls 70Q Foam, 26260# 20/40 Brown, 272080# 12/20 Brown Sand, 2.5mmmscf N2
7324'-7545'	#14	1290bbbls 70Q Foam, 23740# 20/40 Brown, 271940# 12/20 Brown Sand, 2.4mmmscf N2
7049'-7269'	#15	1358bbbls 70Q Foam, 27700# 20/40 Brown, 266060# 12/20 Brown Sand, 2.4mmmscf N2
6773'-6993'	#16	1248bbbls 70Q Foam, 24084# 20/40 Brown, 275260# 12/20 Brown Sand, 2.1mmmscf N2
6497'-6717'	#17	1491bbbls 70Q Foam, 24084# 20/40 Brown, 268120# 12/20 Brown Sand, 2.3mmmscf N2
6213'-6434'	#18	2329bbbls 70Q Foam, 24084# 20/40 Brown, 277620# 12/20 Brown Sand, 2.5mmmscf N2

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo Kirtland	1359 1488				
Fruitland Pictured Cliffs	-- 1896				
Chacra Cliff House	2311 3399				
Menefee Point Lookout	3415 4039				
Mancos Gallup	4188 5216				
Greenhorn Graneros					
Dakota					

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tamra SessionsTitle Operations TechnicianSignature Tamra SessionsDate 07/11/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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