

In Lieu of
Form 3160-4
(July 1992)

FEB 03 2016

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 28 2016

SUBMIT IN
DUPLICATE

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.

NMNM028735

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

NMNM132829

8. FARM OR LEASE NAME, WELL NO.

NE Chaco Com #902H

9. API WELL NO.

30-039-31299

10. FIELD AND POOL, OR WILDCAT

Chaco Unit NE HZ

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
SEC 5 23N 6W

12. COUNTY OR

RIO ARriba

13. STATE

New Mexico

19. ELEVATION CASINGHEAD

14. PERMIT NO.

DATE ISSUED

15. DATE
SPUDDED
7/8/15

16. DATE T.D.
REACHED
11/28/15

17. DATE COMPLETED (READY TO PRODUCE)
1/23/16

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6882' GR

20. TOTAL DEPTH, MD & TVD
12720' MD
5405' TVD

21. PLUG, BACK T.D., MD & TVD
12619' MD
5405' TVD

22. IF MULTICOMP.,
HOW MANY

23. INTERVALS
DRILLED BY

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

Chaco Unit NE HZ 6035'-12596' MD

25. WAS DIRECTIONAL SURVEY MADE

YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

No

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#, J-55	330' MD	12-1/4"	101 sx - surface	
7"	23#, J-55	5965' MD	8-3/4"	845 sx- surface	
4-1/2"	11.6#, P-110	12713' MD	6-1/8"	670 sx - surface	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	5796.7'				2.375", 4.7#, J-55 EUE 8rd	5887'	5747'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size, and number)

Chaco Unit NE HZ: 6035'-12596' MD

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

GL 28th - 24, 0.40" holesGL 27th - 24, 0.40" holesGL 26th - 24, 0.40" holesGL 25th - 24, 0.40" holesGL 24th - 24, 0.40" holesGL 23rd - 24, 0.40" holesGL 22nd - 24, 0.40" holesGL 21st - 24, 0.40" holes

6035'-6191' 237,000#, 30/50 PSA Sand

6241'-6393' 230,000#, 30/50 PSA Sand

6447'-6603' 237,500#, 30/50 PSA Sand

6653'-6809' 237,000#, 30/50 PSA Sand

6859'-7015' 237,000#, 30/50 PSA Sand

7065'-7223' 238,000#, 30/50 PSA Sand

7271'-7427' 237,000#, 30/50 PSA Sand

7477'-7633' 237,500#, 30/50 PSA Sand

CONFIDENTIAL

ACCEPTED FOR RECORD

JAN 29 2016

FARMINGTON FIELD OFFICE
BY: *[Signature]*

NMOCDP

<u>GL 20th</u> – 24, 0.40" holes	7683'-7839'	237,500#, 30/50 PSA Sand
<u>GL 19th</u> – 24, 0.40" holes	7889'-8045'	237,500#, 30/50 PSA Sand
<u>GL 18th</u> – 24, 0.40" holes	8092'-8251'	237,000#, 30/50 PSA Sand
<u>GL 17th</u> – 24, 0.40" holes	8301'-8457'	237,000#, 30/50 PSA Sand
<u>GL 16th</u> – 24, 0.40" holes	8507'-8659'	238,000#, 30/50 PSA Sand
<u>GL 15th</u> – 24, 0.40" holes	8713'-8869'	238,000#, 30/50 PSA Sand
<u>GL 14th</u> – 24, 0.40" holes	8922'-9075'	238,000#, 30/50 PSA Sand
<u>GL 13th</u> – 24, 0.40" holes	9125'-9281'	237,500#, 30/50 PSA Sand
<u>GL 12th</u> – 24, 0.40" holes	9331'-9483'	238,500#, 30/50 PSA Sand
<u>GL 11th</u> – 24, 0.40" holes	9537'-9693'	237,500#, 30/50 PSA Sand
<u>GL 10th</u> – 24, 0.40" holes	9758'-9959'	237,000#, 30/50 PSA Sand
<u>GL 9th</u> – 24, 0.40" holes	10024'-10223'	237,000#, 30/50 PSA Sand
<u>GL 8th</u> – 24, 0.40" holes	10290'-10491'	236,500#, 30/50 PSA Sand
<u>GL 7th</u> – 24, 0.40" holes	10556'-10757'	237,500#, 30/50 PSA Sand
<u>GL 6th</u> – 24, 0.40" holes	10832'-11063'	237,500#, 30/50 PSA Sand
<u>GL 5th</u> – 24, 0.40" holes	11138'-11369'	237,500#, 30/50 PSA Sand
<u>GL 4th</u> – 24, 0.40" holes	11444'-11675'	238,000#, 30/50 PSA Sand
<u>GL 3rd</u> – 24, 0.40" holes	11750'-11981'	235,100#, 30/50 PSA Sand
<u>GL 2nd</u> – 24, 0.40" holes	12056'-12287'	231,500#, 30/50 PSA Sand
<u>GL 1st</u> – 18, 0.40" holes RSI TOOL @ 12596'	12362'-12596'	234,500#, 30/50 PSA Sand

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
Will file on delivery sundry							
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - GLF	WATER - BBL.	GAS-OIL RATIO
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - GLF	WATER - BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): non flaring

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

PRINTED NAME LACEY GRANILLO SIGNED

TITLE Permit III

DATE 1/27/16

37. SUMMARY OF POROUS ZONES: (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):

38.GEOLOGIC MARKERS

FORMATION	TOP		BOTTOM		DESCRIPTION, CONTENTS, ETC.	NAME	
							NAME
OJO ALAMO	1498	1483					
KIRTLAND	1811	1790					
PICTURE CLIFFS	2089	2061					
LEWIS	2210	2180					
CHACRA	2553	2515					
CLIFF HOUSE	3687	3622					
MENEFEE	3717	3651					
PT LOOKOUT	4450	4368					
MANCOS	4652	4566					
GALLUP	5068	4975					