

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

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

5. LEASE DESIGNATION AND LEASE NO.

NMSF-078360

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Chaco 2307-13L #174H

9. API WELL NO.

30-039-31197

10. FIELD AND POOL, OR WILDCAT
LYBROOK GALLUP

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
SEC 13 23N 7W

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR

RIO ARriba

13. STATE

New Mexico

15. DATE
SPUDDED
2/6/14

16. DATE T.D.
REACHED
2/23/14

17. DATE COMPLETED (READY TO PRODUCE)
4/24/14

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
7046' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
10501' MD 5519' TVD

21. PLUG, BACK T.D., MD & TVD
10370' MD 5519' 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)*
LYBROOK GALLUP: 6156'- 10387' 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	432' MD	12-1/4"	230 sx - surface	
7"	23#, J-55	6014' MD	8-3/4"	660 sx - surface	
4-1/2"	11.6#, N-80	5847' (TOL)	6-1/8"	None - this is a temporary tie back string used for stimulation. It will be removed when artificial lift is installed	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	5847'	10485' MD	470 sx-		2-3/8", 4.7#, J-55 EUE 8rd	5740'	

31. PERFORATION RECORD (Interval, size, and number)
LYBROOK GALLUP: 6156'- 10387' MD

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH
INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

GALLUP 14th - 24, 0.40" holes

GALLUP 13th - 24, 0.40" holes

GALLUP 12th - 24, 0.40" holes

GALLUP 11th - 24, 0.40" holes

GALLUP 10th - 24, 0.40" holes

GALLUP 9th - 24, 0.40" holes

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6156'-6362' 266,556#, 20/40 PSA Sand

6478'-6688'- 263,350#, 20/40 PSA Sand

6784'-6994' 268,514#, 20/40 PSA Sand

7096'-7290' - 262,915#, 20/40 PSA Sand

7388'-7578' 211,951#, 20/40 PSA Sand

7680'-7860' 218,498#, 20/40 PSA Sand

ACCEPTED FOR RECORD

MAY 02 2014

FARMINGTON FIELD OFFICE
BY: SM

NMOC DTV

GALLUP 8th - 24, 0.40" holes

GALLUP 7th - 24, 0.40" holes

GALLUP 6th - 24, 0.40" holes

GALLUP 5th - 24, 0.40" holes

GALLUP 4th - 24, 0.40" holes

GALLUP 3rd - 24, 0.40" holes

GALLUP 2nd - 24, 0.40" holes

GALLUP 1st - 18, 0.40" holes RSI TOOL @ 10387'

7960'-8174'	214,248# , 20/40 PSA Sand
8264'-8470'	206,037# , 20/40 PSA Sand
8558'-8782'	207,978# , 20/40 PSA Sand
8890'-9100'	208,907# , 20/40 PSA Sand
9242'-9449'	235,043# , 20/40 PSA Sand
9556'-9751'	214,829# , 20/40 PSA Sand
9868'-10058'	214,775 # 20/40 PSA Sand
10172'-10387'	204,902 # 20/40 PSA Sand

33. PRODUCTION

DATE OF FIRST PRODUCTION		TESTED				WELL STATUS (PRODUCING OR SI)	
4/24/14		24 HRS				SI	
DATE OF TEST	CASING PRESSURE	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
4/22/14	600	48/64"		566	2030	218	
FLOW TBG PRESS	TEST WITNESSED BY:	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
0							

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

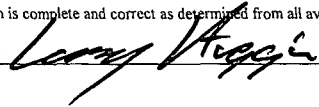
TEST WITNESSED BY:

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 Larry Higgins

SIGNED



TITLE Regulatory Spec SR

DATE 5/1/14

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	1375	1370					
Kirtland	1701	1694					
Picture Cliffs	2016	2007					
Lewis	2123	2113					
Chacra	2434	2422					
Cliff House	3520	3507					
Menefee	3545	3532					
Point Lookout	4318	4305					
GALLUP	4481	4468					
Gallup	4893	4880					

Chaco 2307-13L #174H
LYBROOK GALLUP Horizontal
 (page 1)

Spud: 2/6/14
 Completed: 4/22/14

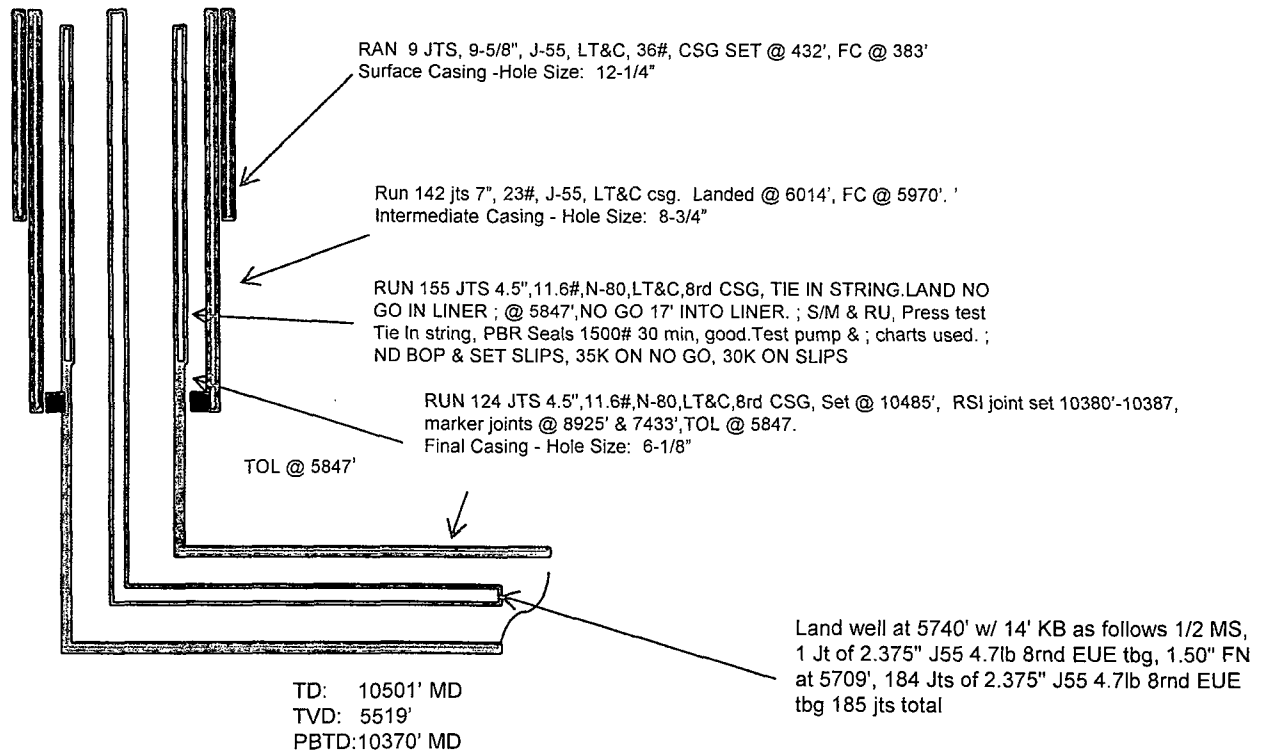
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SHL: 1519' FSL & 90' FWL
 NW/4 SW/4 Section 13 (L), T23N, R7W

BHL: 1524' FSL & 267' FWL
 NW/4 SW/4 Section 14 (L), T23N, R 7W

Rio Arriba., NM
Elevation: 7046'
API: 30-039-31197

<i>Tops</i>	<i>MD</i>	<i>TVD</i>
Ojo Alamo	1375'	1370'
Kirtland	1701'	1694'
Pictured Cliffs	2016'	2007'
Lewis	2123'	2113'
Chacra	2434'	2422'
Cliff House	3520'	3507'
Menefee	3545'	3532'
Point Lookout	4318'	4305'
Mancos	4481'	4468'
Gallup	4893'	4880'

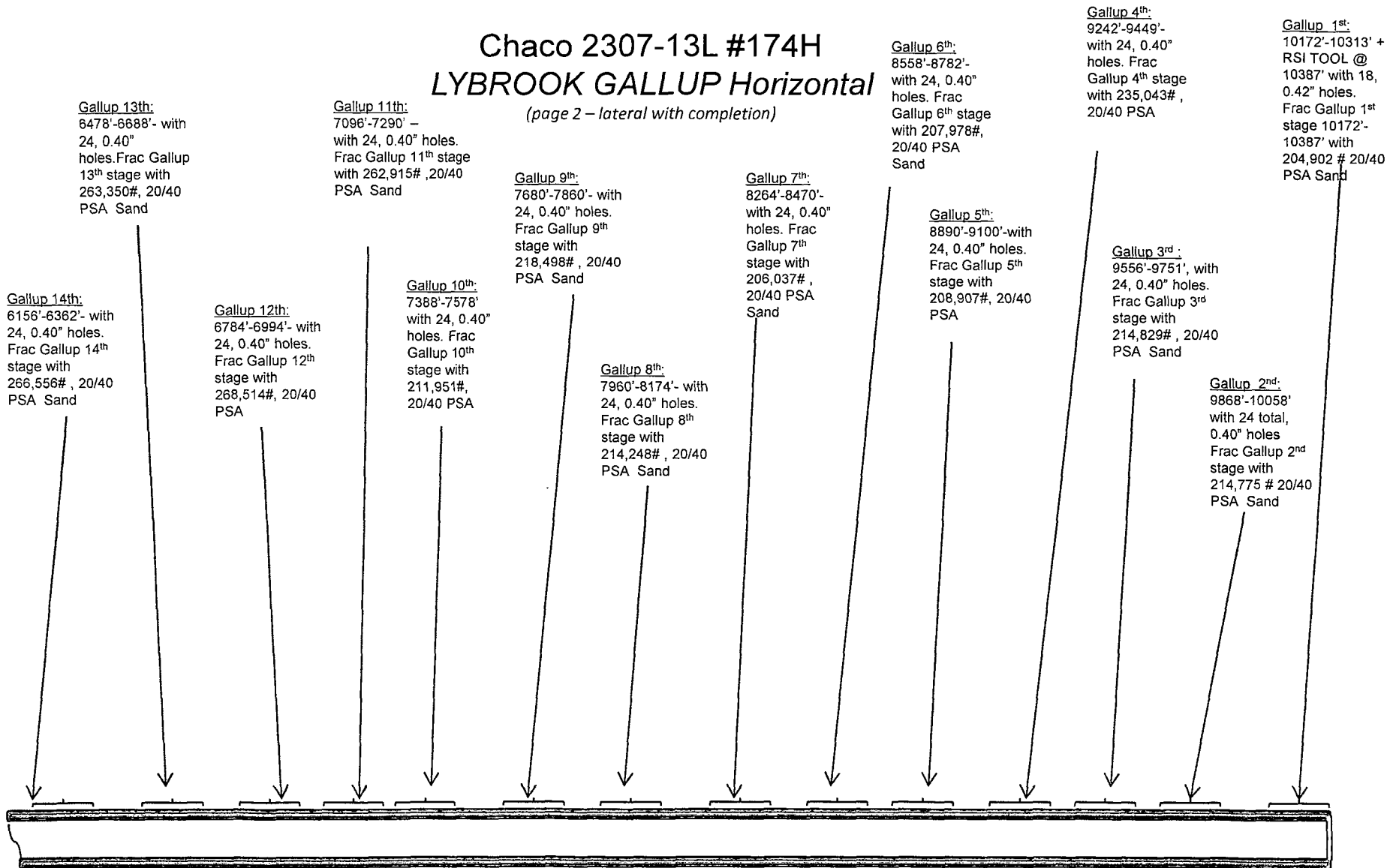


HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	230 sx	265 cu.ft.	Surface
8-3/4"	7"	660 sx	947 cu. ft.	toc 401
6-1/8"	4-1/2"	470 sx	524 cu. ft.	5847 (TOL)

Lg 5/1/14

Chaco 2307-13L #174H LYBROOK GALLUP Horizontal

(page 2 – lateral with completion)



See page 1 for upper portion of hole

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