

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR
Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR
313 Washington, SE, Albuquerque, NM 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any requirements)*
At surface Unit 'E' - 460' FWL & 1750' FNL

At top prod. interval reported below

At total depth

14. PERMIT NO. _____

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FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.

Tribal Contract #47

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Tribal Contract #47

9. WELL NO.

4-4

10. FIELD AND POOL, OR WILDCAT

S. Lindrith Gallup Dakota

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

Sec. 11, T23N, R4W

12. COUNTY OR PARISH

13. STATE

Rio Arriba New Mexico

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

6/2/83 6/15/83 6/29/83 7372' GR 7386' KB 7373'

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

7650' KB 7609' KB 0-7650'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

Dakota 'D': 7511-7539'; Greenhorn: 7245-7301'; Gallup: 5934-6562';

Dakota 'A': 7345-7393'; Tocito: 7046-7054'.

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

Induction - Density Logs No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	213' KB	12 1/4"	SEE ATTACHED	NONE
4 1/2"	11.6	7650' KB	7 7/8"	SEE ATTACHED	NONE

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6602' KB	NONE

31. PERFORATION RECORD (Interval, size and number)

SEE ATTACHED

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

SEE ATTACHED

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DIST. 3

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

6/30/83 Swabbing Producing

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

7/1/83 24 2" 145 20 34 138

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

160 190 145 20 34 43

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

Used for fuel and vented - to be sold Frank Welker

35. LIST OF ATTACHMENTS

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

SIGNED B.C. Miller TITLE President DATE July 5, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

FARMINGTON DISTRICT

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2677	2850	Sand - wet				
Pic. Cliffs	3097	3177	Sand - w/ coal and shale strks - no show				
Chacra	3447	4070	Shale w/ sd streaks - no show				
Cliff House	4664	4767	Sand and shale - tite				
Pt. Lookout	5249	5463	Sand - wet				
Upr Gallup	5910	6057	Sand and shale - oil and gas				
Mid Gallup	6057	6250	Sand and shale - oil and gas				
Gallup Main	6250	6506	Sand and shale - oil and gas				
Tocito	6926	7057	Sand and shale - poss. shows				
Greenhorn	7242	7305	Sandy lime - oil and gas shows				
Dakota 'A'	7334	7394	Sand w/ sh strks - oil and gas				
Dakota 'D'	7476	7564	Sand w/ sh strks - oil and gas				
Burro Canyon	7583	-	Sand - wet				

Jicarilla Apache 47-47-JV:

#29. Cementing Record:

8 5/8" surface: 170 sks, (200 CF) Class B, 3% calcium chloride, 1/4 lb/sk Flocele.

4 1/2" long string: 1st stage:

1250 sks, (1788 CF) 50/50 pozmix, 2% gel, 6 1/4 lb/sk Gilsonite,
6 lbs/sk salt

2nd stage:

450 sks, (1048 CF) 65/35 pozmix, 12% gel, 6 1/4 lb/sk Gilsonite

Tailed in with 50 sks. (60 CF) Class B neat

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Squeeze:

Squeeze cemented perforated interval 5236-5270' with 300 sks. (354 CF) Class B,
2% calcium chloride.

#31. Perforation Record:

Menefee: 5236', 5240', 5256', 5251', 5266', 5270' - 4 SPF, 24 holes.

Gallup: 5934', 6026', 6033', 6259', 6273', 6283', 6314', 6318', 6325', 6332',
6336', 6354', 6357', 6360', 6362', 6364', 6367', 6379', 6383', 6396',
6400', 6409', 6413', 6421', 6425', 6427', 6431', 6435', 6437', 6440',
6462', 6467', 6470', 6489', 6488', 6492', 6562'. 3 SPF, 111 holes

Tocito: 7046', 7048', 7050', 7052', 7054', 4 SPF, 20 holes.

Greenhorn: 7245', 7251', 7255', 7273', 7285', 7298', 7260', 7279', 7291', 7301',
4 SPF, 40 holes.

Dakota 'A': 7345', 7347', 7349', 7353', 7355', 7357', 7359', 7361', 7392', 7393',
4 SPF, 40 holes.

Dakota 'D': 7511', 7515', 7519', 7522', 7524', 7527', 7529', 7531', 7535', 7537', 7539',
4 SPF, 44 holes.

#32. Acid Fracture:

Dakota 'D': 250 gal. 7½% acetic acid
60,000 lbs. 20/40 sand
1,780 bbls. water

Dakota 'A') 400 gal. 7½% Hcl
Greenhorn) 80,000 lbs. 20/40 sand
Tocito) 2,260 bbls. water

Gallup: 450 gal. 7½% Hcl
150,000 lbs. 20/40 sand
3,735 bbls. water

Menefee: 200 gal. 7½% Hcl
40 bbls. water

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JUL 18 1983
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DIST. 3