

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Apache Contract #71																									
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache																									
2. NAME OF OPERATOR Chace Oil Company, Inc.		7. UNIT AGREEMENT NAME																									
3. ADDRESS OF OPERATOR 313 Washington, SE, Albuquerque, NM 87108		8. FARM OR LEASE NAME Jicarilla Tribal Contract #71																									
4. LOCATION OF WELL (Report location clearly and in accordance with State Requirements) At surface Unit 'D' - 635' FNL & 643' FWL At top prod. interval reported below At total depth		9. WELL NO. JUL 03 1984 OIL CON. DIV. DISC 3 RECEIVED JUN 26 1984																									
14. PERMIT NO.		13. STATE New Mexico																									
15. DATE SPUDDED 5/29/84		10. FIELD AND POOL OR WILDCAT South Lindrieth Gallup Dakota																									
16. DATE T.D. REACHED 6/12/84		11. SEC. T. R. L. OR BLOCK AND SURVEY Section 3 T23N, R4W																									
17. DATE COMPL. (Ready to prod.) 6/21/84		12. COUNTY OR PARISH Rio Arriba																									
18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 7147' GL, 7160' KB		19. ELEV. CASINGHEAD 7148'																									
20. TOTAL DEPTH, MD & TVD 7460' KB		21. PLUG, BACK T.D., MD & TVD 7416' KB																									
22. IF MULTIPLE COMPL., HOW MANY?		23. INTERVALS DRILLED BY 0-7460'																									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dakota 'D': 7288'-7340'; Greenhorn: 7077'-7100'; Gallup: 6008'-6308' Dakota 'A': 7152'-7178'; Tootito: 6858'-6862'		25. WAS DIRECTIONAL SURVEY MADE? Yes																									
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction and Density		27. WAS WELL CORED? No																									
28. CASING RECORD (Report all strings set in well)																											
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>8 5/8"</td><td>24#</td><td>219' KB</td><td>12 1/2"</td><td>175 sks (206 CB)</td><td>None</td></tr><tr><td>4 1/2"</td><td>11.6#</td><td>7460' KB</td><td>7 7/8"</td><td>1700 sks (2823 CB)</td><td>None</td></tr><tr><td colspan="4"></td><td>SEE ATTACHED</td><td></td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	8 5/8"	24#	219' KB	12 1/2"	175 sks (206 CB)	None	4 1/2"	11.6#	7460' KB	7 7/8"	1700 sks (2823 CB)	None					SEE ATTACHED	
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31. PERFORATION RECORD (Interval, size and number)																											
SEE ATTACHED																											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																											
SEE ATTACHED																											
33. PRODUCTION																											
DATE FIRST PRODUCTION 6/22/84																											
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbing																											
DATE OF TEST 6/23/84																											
HOURS TESTED 24																											
CHOKE SIZE 2"																											
PROD'N. FOR TEST PERIOD 108																											
OIL—BBL. 21																											
GAS—MCF. 51																											
WATER—BBL. 195																											
FLOW. TUBING PRESS. 150 PSI																											
CASING PRESSURE 165 PSI																											
CALCULATED 24-HOUR RATE 108																											
OIL—BBL. 21																											
GAS—MCF. 51																											
WATER—BBL. 195																											
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold, used for fuel.																											
35. LIST OF ATTACHMENTS TEST WITNESSES Andy Birdsell																											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. SIGNED <i>D.W. Miller</i> TITLE President																											

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

FARMINGTON RESOURCE AREA
BY *Sm*

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, of 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 38, below regarding separate reports for separate completions. 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 38.

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 38. 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: "Sack 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; CORRELATE INTERVALS (AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION CHSD, TIME TOOL, OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
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018 Alamo	2466'	2620'	Sand - wet
Pictured Cliffs	2920'	3016'	Sand with coal streaks - Poss. show
Chetopa	3278'	3774'	Shale with sand streaks - No show
Cliff House	4452'	4966'	Sand and shale - No show
Poofit Lookout	5056'	5120'	Sand - Poss. show
Gardupit	5575'	6312'	Sand and shale - oil and gas
Toad to	6740'	6866'	Sand and shale - Poss. shows
Greenhorn	7058'	7114'	Sandy lime - oil and gas shows
Dakota	7144'	7170'	Sand - oil and gas
Dakota	7282'	7344'	Sand - oil and gas
Budde Canyon	7388'		Sand - oil and gas

Still in T. D.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
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39. I hereby certify that the foregoing and the information herein contained are true and correct to the best of my knowledge and belief.

40. FIRST OF ATTACHMENTS

41. DATE OF COMPLETION

42. DATE OF REPORT

43. NAME OF OPERATOR

44. ADDRESS OF OPERATOR

45. CITY AND STATE OF OPERATOR

46. NAME OF WELL

47. LOCATION OF WELL

48. DEPTH OF WELL

49. DIRECTION OF WELL

50. TYPE OF WELL

51. PURPOSE OF WELL

52. DATE OF DRILLING

53. DATE OF COMPLETION

54. NAME OF DRILLER

55. ADDRESS OF DRILLER

56. CITY AND STATE OF DRILLER

57. NAME OF CEMENTER

58. ADDRESS OF CEMENTER

59. CITY AND STATE OF CEMENTER

60. NAME OF LOGGERS

61. ADDRESS OF LOGGERS

62. CITY AND STATE OF LOGGERS

63. NAME OF SURVEYOR

64. ADDRESS OF SURVEYOR

65. CITY AND STATE OF SURVEYOR

66. NAME OF TESTER

67. ADDRESS OF TESTER

68. CITY AND STATE OF TESTER

69. NAME OF ANALYST

70. ADDRESS OF ANALYST

71. CITY AND STATE OF ANALYST

72. NAME OF LABORATORY

73. ADDRESS OF LABORATORY

74. CITY AND STATE OF LABORATORY

75. NAME OF CORE ANALYST

76. ADDRESS OF CORE ANALYST

77. CITY AND STATE OF CORE ANALYST

78. NAME OF SAMPLE ANALYST

79. ADDRESS OF SAMPLE ANALYST

80. CITY AND STATE OF SAMPLE ANALYST

81. NAME OF PRESSURE TESTER

82. ADDRESS OF PRESSURE TESTER

83. CITY AND STATE OF PRESSURE TESTER

84. NAME OF DIRECTIONAL SURVEYOR

85. ADDRESS OF DIRECTIONAL SURVEYOR

86. CITY AND STATE OF DIRECTIONAL SURVEYOR

87. NAME OF FORMATION TESTER

88. ADDRESS OF FORMATION TESTER

89. CITY AND STATE OF FORMATION TESTER

90. NAME OF CORE ANALYST

91. ADDRESS OF CORE ANALYST

92. CITY AND STATE OF CORE ANALYST

93. NAME OF SAMPLE ANALYST

94. ADDRESS OF SAMPLE ANALYST

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198. NAME OF SAMPLE ANALYST

199. ADDRESS OF SAMPLE ANALYST

200. CITY AND STATE OF SAMPLE ANALYST

JICARILLA APACHE 71-17Y

CEMENTING: Spud - 175 sks (206 CF) Class B neat, 1/4 lb/sk Flocele,
3% calcium chloride.

1st stage - 1200 sks (1716 CF) 50/50 pozmix, 2% gel, 6¼ lb/sk
Gilsonite, 6 lb/sk salt.

2nd stage - 450 sks (1048 CF) 65/35 pozmix, 12% gel, 6¼ lb/sk
Gilsonite. Tailed in with 50 sks (59 CF) Class
B neat.

PERFORATION RECORD:

Dakota 'D': 7288', 7319', 7321', 7324', 7328', 7330', 7334', 7336', 7338', 7340',
4 SPF, 40 holes.

Dakota 'A': 7152', 7154', 7156', 7158', 7160', 7163', 7167', 7170', 7174', 7178',
3 SPF, 30 holes.

Greenhorn: 7077', 7080', 7085', 7088', 7090', 7094', 7096', 7100', 3 SPF, 24 holes

Tocito: 6858', 6860', 6862', 3 SPF, 9 holes.

Gallup: 6008', 6052', 6062', 6081', 6124', 6128', 6142', 6190', 6192', 6220',
6254', 6258', 6266', 6268', 6291', 6293', 6297', 6299', 6301', 6303',
6305', 6308', 3 SPF, 66 holes.

ACID FRACTURE:

Dakota 'D':	200 gal. 7½% acetic acid 66,750 lbs 20/40 sand 2,300 bbls water
Dakota 'A')	300 gal 7½% Hcl
Greenhorn)	70,000 lbs 20/40 sand
Tocito)	2,478 bbls water
Gallup:	300 gal 7½% Hcl 89,750 lbs 20/40 sand 2,800 bbls water