

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

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 _____		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract #47	
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 #47	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface Unit 'H', 2310' FNL and 800' FEL At top prod. interval reported below At total depth		9. WELL NO. 47-34	
14. PERMIT NO. 30-039-24391		10. FIELD AND POOL, OR WILDCAT South Lindrith Gallup Dakota	
15. DATE SPUDDED 12/18/89		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 14, T23N, R4W	
16. DATE T.D. REACHED 1/7/90		12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 1/26/90		13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7296' GR		19. ELEV. CASINGHEAD 7297'	
20. TOTAL DEPTH, MD & TVD 7425' KB		21. PLUG, BACK T.D., MD & TVD 7378' KB	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-7425' KB	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup: 5804-6286' KB Tocito: 6862-6864' KB Greenhorn: 7046-7068' KB Dakota "A": 7124-7138' KB Dakota "D": 7284-7296' KB		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)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8	24	225' KB	12 1/4"
4 1/2	11.60	7425' KB	7 7/8"
CEMENTING RECORD			
175 sks (206.5 cu ft)			
1900 sks (3069 cu ft)			
AMOUNT PULLED			
none			
none			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
23. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	7271.38' KB	none	
S.N. @	7239.82' KB		
31. PERFORATION RECORD (Interval, size and number) See attached			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) See attached AMOUNT AND KIND OF MATERIAL USED			
33. PRODUCTION			
DATE FIRST PRODUCTION 1/26/90	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) swabbing		WELL STATUS (Producing or shut-in) producing
DATE OF TEST 1/29/90	HOURS TESTED 24	CHOKED SIZE 2"	PROD'N. FOR TEST PERIOD 116
FLOW. TUBING PRESS. -	CASING PRESSURE 390 psi	CALCULATED 24-HOUR RATE 116	GAS—MCF. 54
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold		WATER—BBL. 47	
25. LIST OF ATTACHMENTS		OIL GRAVITY-API (CORR.) 43°	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available data.		TEST WITNESSED BY ACCEPTED FOR	

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

SIGNED

TITLE

Vice President Production

DATE

1/30/90

FARMINGTON RESOURCE

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: "Socks 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			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2513'		Sand - wet			
Fruitland Coal	2698'		Coal - no shows			
Picture Cliffs	2927'		Sand - no shows			
Chacra	3260'		Sand & Shale - no shows			
Cliff House	4446'		Sand & Shale - no shows			
Point Lookout	5032'		Sand - wet			
Gallup	5712'		Sand & Shale - oil and gas shows			
Juana Lopez	6743'		Sand & Shale - oil and gas shows			
Greenhorn	7032'		Sandy limestone - oil and gas shows			
Dakota 'A'	7114'		Sand - oil and gas shows			
Dakota 'D'	7252'		Sand - oil and gas shows			
Burro Canyon	7364'		Sand - wet			

28) Cement Record:

1st stage: 1300 sks (1833 cf) 50/50 pozmix, 2% gel, 6 1/4 lb/sk Gilsonite,
6 lb/sk salt

2nd stage: 550 sks (1177 cf) 65/35 pozmix, 6% gel, 12 1/4 lb/sk Gilsonite

Tail in 50 sks Class 'B' Neat (59 cf)

31) Perforation Record:

Dakota 'D': 7284, 7286, 7288, 7290, 7292, 7294, 7296
2 SPF, 14 holes

Dakota 'A;': 7124, 7126, 7128, 7130, 7132, 7134, 7136, 7138
3 SPF, 24 holes

Greenhorn: 7046, 7062, 7068
2 SPF, 6 holes

Tocito: 6862, 6864
2 SPF, 4 holes

Gallup: 5804, 5806, 5808, 5810, 5844, 5852, 5856, 5916,
6038, 6040, 6046, 6048, 6050, 6052, 6054, 6056,
6058, 6060, 6062, 6064, 6066, 6068, 6070, 6072,
6074, 6076, 7078, 6080, 6082, 6088, 6092, 6134,
6136, 6138, 6150, 6164, 6170, 6180, 6226, 6244,
6276, 6278, 6280, 6282, 6284, 6286
2 SPF, 92 holes

Perforation Size: 0.35 - 0.38 inches

32) Acid Fracture:

Dakota 'D': 500 gal. 7 1/2% acetic acid
Dakota 'A": 120,000 lbs. 20/40 sand
Greenhorn: 3,690 bbls. water
Tocito:

Gallup: 750 gal. 7 1/2% Hcl
120,000 lbs. 20/40 sand
4,484 bbls. water