

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions 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 instructions on reverse side) At surface - 1850' NL & 1850' WL - Unit At top prod. interval reported below At total depth						5. LEASE DESIGNATION AND SERIAL NO. Contract #15 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache 7. UNIT AGREEMENT NAME Chace Apache 8. FARM OR LEASE NAME Chace Apache 9. WELL NO. 15-3 10. FIELD AND POOL, OR WILDCAT Chaceon Dakota Undesignated Gallup 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 20, T23N, R3W 12. COUNTY OR PARISH Sandoval 13. STATE NM									
15. DATE SPUNDED 8-2-77		16. DATE T.D. REACHED 8-16-77		17. DATE COMPL. (Ready to prod.) 12-16-82		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 7257 GR		19. ELEV. CASINGHEAD 7259' GR							
20. TOTAL DEPTH, MD & TVD 7525'		21. PLUG, BACK T.D., MD & TVD 7459'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY → 0-7525'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Greenhorn: 7055'-7074' Tocito: 6759'-6876 Gallup: 6052'-6215'							
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		CEMENTING RECORD		AMOUNT PULLED					
8 5/8"		26		239		12 1/2		200 sks		none					
4 1/2"		11.6		7459		7 7/8		500 sxs		none					
29. LINER RECORD															
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		TUBING RECORD					
2 3/8"		7280'		None											
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 12-16-82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump - 1 1/2"						WELL STATUS (Producing or shut-in) Producing							
DATE OF TEST 1-14-83		HOURS TESTED 24		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD →		OIL—BBL. 8.5		GAS—MCF. 10		WATER—BBL. 3		GAS-OIL RATIO 1176	
FLOW. TUBING PRESS. 68		CASING PRESSURE 155		CALCULATED 24-HOUR RATE →		OIL—BBL. 8.5		GAS—MCF. 10		WATER—BBL. 3		OIL GRAVITY-API (CORR.) 43			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold										TEST WITNESSED BY Andy Birdsell - 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 JAN 2 1983		TITLE President						DATE 1-26-83							

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

[illegible][illegible]

Section	Feet	Notes
Plattin	2908	Sand - gaseous
Cliff	2960	Shale
Levis Shale	5020	Sandy shale w/ coal streaks
Petite Lookout	6118	hd sand and shale
Gallus	7050	ls and shale
Greenhorn	7104	Sand w/ shale (oil and gas)
Dakota "A"	7292	hd sand (gas)
Dakota "D"	7360	Sand
Bufo Canyon		

Perforate Dakota "A", and Greenhorn formations.

- 10:19 P. M. Perforate Dakota "B" zone @ 7150, 7152, 7154, 7156', 7158, 7210', 7212', 7214', 7216', 7218', 7220' - 4 SPF. 44 holes.
- 10:51 P. M. Perforate Dakota "A" zone @ 7106', 7108', 7110', 7112', 7114', 7119', 7123', 7125', 7127', 7129' - 4 SPF - 40 holes.
- 11:30 P. M. Perforate Greenhorn zone @ 7055', 7057', 7061', 7063', 7066', 7068', 7070', 7072', 7074' - 4 SPF - 36 holes.

12/9/82:

12:00 A. M. Go in hole with 2 7/8" tubing and RTTS packer.

4:45 A. M. On bottom with tubing and packer - 6515'.

6:15 A. M. Western pressure tests lines.

4:22 P. M. Perforate Tocito formation @ 6876', 6874', 6872', 6870', 6868', 6866', 6864', 6854', 6852', 6849' 6846' - 4 SPF.

4:52 P. M. Perforate Tocito formation @ 6827', 6825', 6821', 6805', 6803', 6801', 6783', 6776', 6773', 6767', 6759' - 4 SPF
Total 88 holes

10:20 A. M. Go in hole with perforating gun.

10:29 A. M. Perforate Gallup formation @ 6215', 6213', 6208', 6206', 6204', 6200', 6193', 6191', 6189', 6187', 6175'.
4 SPF - 44 holes

10:44 A. M. Go in hole with perforating gun.

10:56 A. M. Perforate Gallup formation @ 6173', 6171', 6169', 6167', 6165', 6163', 6085', 6081', 6073', 6054', 6052' - 4 SPF - 44 holes

11:25 A. M. Go in hole with RTTS packer and tubing.

12:35 P. M. Set packer @ 5700'.

12:50 P. M. Pressure up to 1000 PSI on casing.

GALLUP FRAC:

12:58 P. M. Break down. Broke @ 1300 PSI and 3200 PSI
Establish rate 18 BPM @ 3200 PSI
ISIP = 300 PSI

1:01 P. M. Start acid (7½% HCl) - 6 bbls. with 6 balls/bbl
Run 5 bbls. H₂O with 6 balls/bbl - 6 BPM @ 1000 PSI
Run 10 bbl H₂O spacer 6 BPM @ 1000 PSI
Run 5 bbl H₂O with 6 balls/bbl 12 BPM @ 1300 PSI
Total: 96 balls
Increase rate to 10 BPM @ 2500 PSI
Have ball action 9 BPM @ 2600 PSI
Balls hit 2 BPM @ 3700 PSI