

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 ☐		1b. 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, S.E., Albuquerque, NM 87108			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface Unit 'K', 1890' FWL & 1980' FSL At top prod. interval reported below At total depth			
14. PERMIT NO.		DATE ISSUED OCT 20 1984	
15. DATE SPUDDED 9/22/84	16. DATE T.D. REACHED 10/4/84	17. DATE COMPL. (Ready to prod.) 10/17/84	18. ELEVATIONS (DF, RKE, RT, GR, ETC.)* 7056' GL, 7069' KB
19. ELEV. CASING HEAD 7057'	20. TOTAL DEPTH, MD & TVD 7239' KB		
21. PLUG BACK T.D., MD & TVD 7216' KB	22. IF MULTIPLE COMPL. HOW MANY*	23. INTERVALS DRILLED BY ROTARY TOOLS 0-7239'	CABLE TOOLS None
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dakota 'D': 7076'-7125' Greenhorn: 6876'-6922' Gallup: 5532'-6098' Dakota 'A': 6972' Tocito: 6614'-6666'			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	223' KB	12 1/4"
4 1/2"	11.60	7239' KB	7 7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	7076' KB	None	
	7040' KB S.N.		
31. PERFORATION RECORD (Interval, size and number)			
ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED*	
SEE ATTACHED		SEE ATTACHED	
32. PRODUCTION			
DATE FIRST PRODUCTION 10/18/84		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbing	
DATE OF TEST 10/19/84	HOURS TESTED 24 Hrs.	CHOKE SIZE 2"	PROD'N. FOR TEST PERIOD →
FLOW. TUBING PRESS. 135 PSI	CASING PRESSURE 150 PSI	CALCULATED 24-HOUR RATE →	OIL—BBL. 119
GAS—MCF. 23		WATER—BBL. 36	
OIL GRAVITY-API. (CORE) 43°			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold, used for fuel			
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 D. W. Miller		TITLE President	
DATE 10/22/84			

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

FARMINGTON RESOURCE AREA

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 83, 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 fully the interval reported in item 83. 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.)

87. 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		TOP		
					NAME	MEAS. DEPTH	TRUE VERT. DEPTH		
Qjo Alamo	2238'	2384'	Sand - wet						
Pictured Cliffs	2714'	2784'	Sand - possible show						
Chacra	3488'	3746'	Shale with sand streaks						
Cliff House	4216'	4600'	Sand and shale						
Point Lookout	4852'	4986'	Sand - possible show						
Callup	5517'	6104'	Sand and shale - oil and gas shows						
Locito	6545'	6670'	Sand and shale - possible shows						
Greenhorn	6866'	6928'	Sandy Lime - oil and gas shows						
Dakota A	6972'	7027'	Sand - oil and gas shows						
Dakota D	7070'	7152'	Sand - oil and gas shows						
Buero Canyon	7174'		Sand - wet						
			Still in						
			at T.D.						

31. Perforations

DAKOTA 'D': 7076', 7078', 7084', 7102', 7105', 7108', 7113', 7115', 7119',
7123', 7125', 4 SPF, 44 holes.

DAKOTA 'A': 6972', 4 SPF, 4 holes.

GREENHORN: 6876', 6880', 6894', 6902', 6905', 6908', 6912', 6922', 4 SPF,
32 holes.

TOCITO: 6614', 6622', 6659', 6661', 6663', 6666', 4 SPF, 24 holes.

GALLUP: 5532', 5536', 5541', 5631', 5634', 5638', 5644', 5646', 5651',
5658', 5660', 5663', 5674', 5676', 5678', 5689', 5694', 5696',
5703', 5709', 5716', 5765', 5772', 5781', 5786', 5859', 5906', 5924',
5926', 5928', 5930', 5938', 5974', 5978', 5980', 6047', 6052',
6054', 6082', 6085', 6088', 6091', 6094', 6098', 2 SPF, 86 holes.

32. Acid, Fracture

DAKOTA 'D': 200 gal 7½% Acetic Acid
76,200 lbs. 20/40 sand
2,400 Bbls. water

DAKOTA 'A': 300 gal 7½% Hcl
GREENHORN: 15,100 lbs. 20/40 sand
TOCITO: 1,020 Bbls. water

GALLUP: 400 gal 7½% Hcl
155,000 lbs. 20/40 sand
3,950 Bbls. water

Cementing Information

Spud: Cemented with 175 sks (207 CF) of Class B neat, 1/4 lb/sk Flocele,
3% calcium chloride, without circulating. Pumped 80 sks (94 CF)
down backside.

1st stage: Cemented with 1070 sks (1530 CF) 50/50 pozmix, 2% gel, 6¼ lb/sk
Gilsonite, 6 lb/sk salt.

2nd stage: Cemented with 430 sks (1002 CF) 65/35 pozmix, 12% gel, 6¼ lb/sk
Gilsonite. Tailed in with 50 sks (59 CF) Class B neat.