

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 ☐

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 State requirements)

At surface Unit "K" 1850' WL and 1850' SL

At top prod. interval reported below

At total depth

14. PERMIT NO. U. S. GEOLOGICAL SURVEY
DATE ISSUED
FARMINGTON, N.M.

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla 70

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 70

9. WELL NO.

11

10. FIELD AND POOL, OR WILDCAT

S. Lindrith Gallup Dakot

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

Sec. 34, T24N, R4W

12. COUNTY OR PARISH

Rio Arriba

New Mexico

13. STATE

15. DATE SPUDDED 10/11/81 16. DATE T.D. REACHED 10/22/81 17. DATE COMPL. (Ready to prod.) 12/20/81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 7042' GR 19. ELEV. CASINGHEAD 7043'

20. TOTAL DEPTH, MD & TVD 7330' 21. PLUG BACK T.D., MD & TVD 7297' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Dakota "C" & "D" - 7222' - 7273'

Gallup - 5974' - 6240'

Dakota "A" & Greenhorn - 7008' - 7100'

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction and density logs

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"	23#	216.36	9-5/8"	160 SXS	
4-1/2"	11.6#	7330'	7-7/8"	1000 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7285'	

31. PERFORATION RECORD (Interval, size and number)

7222' - 7273'

7008' - 7100'

5974' - 6240'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7222'-7273'	frac'd w/ 73,000 gal. slick water & 60,000# 20-40 sand
7008'-7100'	frac'd w/ 67,000 gal. slick water & 65,000# 20-40 sand
5974'-6240'	frac'd w/ 121,000# 20-40 sand & 127,000 gal. slick water

33.*

DATE FIRST PRODUCTION 1/4/82 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Pump

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
1/7/82	24	3/4"		90	200	30	2222
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
	325		90	200	30	44	

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

Vented

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

Ray M. Cary

TITLE

President

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

FARMINGTON DISTRICT

NIMOC

Sam

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. 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Old Alamo	2384	2548	SHAND			
Pictured Cliff	2831	2938	SD - SH			
Chacra	3200	3813	SD - SD SHS			
Cliff House	4391	4479	SD V shale			
Poind Lookout	4941	5140	SD COAL & shale			
Gallup	6040	6267	SD shale + GAS - OIL			
Greenhorn	6985	7046	LMY SD -			
Dakota "A"	7072	7114	SD & SL - OIL & GAS			
Dakota "D"	7214	7278	SD & SL - GAS			

38.

GEOLOGIC MARKERS