1s. TYPE OF WELL:

WELL X 2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

At total depth

15. DATE SPUDDED

7/28/84

20. TOTAL DEPTH, MD & TVD

b. TYPE OF COMPLETION:

WORK

Chace Oil Company, Inc.

At top prod. interval reported below

Dakota 'A': 7151'-7174'

26. TYPE ELECTRIC AND OTHER LOGS BUN Induction and Density

SUBMIT IN DUPLICATE. UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

DIFF. RESVR.

14. PERMIT NO.

17. DATE COMPL. (Ready to prod.)

8/22/84

WELL

313 Washington, S.E., Albuquerque, NM 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements).

At surface Unit 'N' 2230' FWL & 747' FSL E

21. PLUG, BACK T.D., MD & TVD

7403' KB 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dakota 'D': 7282'-7318' Greenhorn: 7062'-7086' Ga

Tocito:

WELL COMPLETION OR RECOMPLETION REPORTS

WELL X

16. DATE T.D. REACHED

<u>8/**19**/84</u>

(See other instructions on reverse side)

Other SEP 05 1984

Form approved. Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO. Jicarilla 71

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

	<u> </u>
AND LOG*	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3 W F 100	Jicarilla Apache
	7. UNIT AGREEMENT NAME
- 4 6 []	
SEP OF 100 U	S. FARM OR LEASE NAME
-1 03 1984	Jicarilla Tribal Contract #71
COME	9. WELL NO.
COM DIV	100- 27
DIST. 3	
	10. FIELD AND POOL, OR WILDCAT
quirements)*	South Lindrith Gallup-Dakota
LVED	11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
TO THE COMMET	
	G MO MOON DAW
<u>.</u>	Sec. 10 T23N, R4W
DATE ISSUED	12. COUNTY OR 13. STATE
i i	Rio Arriba New Mexico
18. ELEVATIONS (DF, RKB, R	
7259' GR, 7272	
IPL., 23. INTERVALS	ROTARY TOOLS CABLE TOOLS
DRILLED BY	No 1-0-7445*
/D)*	NO 1 0-7445
Gallup: 5717'-62	
. ,	Yes
	27. WAS WELL CORED
	No
ings set in well)	

28. CASING RECORD (Report all strings set in well) CABING BIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE CEMENTING RECORD AMOUNT PULLED 8 5/8" 24 lb/ft 226' KB 12 1/4" 235 Sks (27**%** CF) None 4 1/2" 7445' KB 11.60 lb/ft 7 7/8" 1450 Sks (2421 CF) None (See attached)

22. IF MULTIPLE COMPL., HOW MANY

6556'-6854'

29.	-	LINER RECORD			30.	TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				-	2 3/8"	7266' KB	None
•						7231' KB SN	
31. PERFORATION R	ECORD (Interval, e	ize and number)		1 20 54	CID GUOT TDA	CONTROL CONTROL CON	DOMESTIC TO STATE OF THE PARTY

ACID. SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED SEE ATTACHED SEE ATTACHED

33.5 PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) 8/23/84 Swabbing Producing DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL-BBL GAS-MCF WATER-BBL. GAS-OIL RATIO TEST PERIOD 2" 8/24/84 24 Hours 122 23 188.5 FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL-BBL GAS-MCF. OIL GRAVITY-API (CORR.) WATER-BBL. 122 165 23 34 43° 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY To be sold, used for fuel <u>Andy Birdsell</u> 35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all avAGDEPETED FOR RECORD SIGNED _ TITLE President

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

ISTRUCTIONS

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.

or Federal office for specific instructions. 14cm 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

for each 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.

It 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, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Su additional interval to be separately produced, showing the additional data pertinent to such interval.

Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Ojo Alamo	37. SUMMARY OF POROUS SHOW ALL IMPORTANT DEPTH INTERVAL TERT	DUS ZONES: TANT ZONES OF 1	MARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; DEPTH INTERVAL TERTED, CUSHION USED, TIME TOOL OPEN, FLOWING	MARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALE; AND ALL DRILL-STEM TESTS, INCLUDING DEFTH INTERVAL TESTED, CUSHION USED, TIME TOOL OFEN, FLOWING AND SHUT-IN FRESSURES, AND RECOVERIES	38. GEOL	GEOLOGIC MARKERS
Alamo 2458' 2916' 2916' 2952' Sand - w/ coal and shale strks - no show 2358' 3396' Shale - w/ sand streaks - no show 4410' 4750' Sand and shale - tite 100kout 5714' 6294' 6294' Sand and shale - oil and gas 1740' 7140' 7140' 7255' 7350' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas 17360' Sand w/ shale streaks - oil and gas	FORMATION	TOP	воттом	DESCRIPTION, CONTENTS, ETC.		TOP
tured Cliffs 2916' 2952' Sand - w/ coal and shale strks cra 3258' 3396' Shale - w/ sand streaks - no sh 4410' 4750' Sand and shale - tite Lookout 5032' 5170' Sand - wet 1up 5714' 6294' Sand and shale - oil and gas enhorn 7040' 7100' Sand and shale - possible shows ota 'A' 7255' 7160' Sand w/ shale streaks - oil and shale rocanyon 7360' Still in at T.D. Sand - wet Sand - wet Sand - wet Sand - wet Sand w/ shale streaks - oil and sha	0.jo Alamo	2458	2624	ı	Z A X d	
3258' 3396' Shale - w/ sand streaks - no she 4410' 4750' Sand and shale - tite 5032' 5170' Sand - wet 5714' 6294' Sand and shale - oil and gas 6734' 6808' Sand and shale - oil and gas 7040' 7100' Sandy lime - oil and gas shows 7140' 7335' Sand w/ shale streaks - oil and 7255' Sand w/ shale streaks - oil and 7360' Still in at T.D. Sand - wet Sand - wet	Pictured Cliffs	2916'	2952	- w/ coal and shale strks -		
tut 5032' 5170' Sand and shale - tite 5032' 5170' Sand - wet 5714' 6294' Sand and shale - oil and gas 6734' 6808' Sand and shale - possible shows 7040' 7100' Sandy lime - oil and gas shows 7140' 7160' Sand w/ shale streaks - oil and 7255' 7335' Sand w/ shale streaks - oil and still in at T.D. Sand - wet	Chacra	3258	33961	e - w/ sand streaks -		-
ut 5032' 5170' Sand - wet 5714' 6294' Sand and shale - oil and gas 6734' 6808' Sand and shale - possible shows 7040' 7160' Sandy lime - oil and gas shows 7140' 7335' Sand w/ shale streaks - oil and 7360' Still in at T.D. Sand - wet	Cliff House	4410'	4750	and shale - tite		•
5714' 6294' Sand and shale - oil and gas 6734' 6808' Sand and shale - possible shows 7040' 7160' Sandy lime - oil and gas shows 7140' 7335' Sand w/ shale streaks - oil and 7360' Still in at T.D. Sand - wet	-	5032	5170'	- wet		
6734' 6808' Sand and shale - possible shows 7040' 7100' Sandy lime - oil and gas shows 7140' 7255' Sand w/ shale streaks - oil and 7360' Still in at T.D. Sand - wet	Gallup	5714'	6294	and shale - oil and		
7040' 7100' Sandy lime - oil and gas shows 7140' 735' Sand w/ shale streaks - oil and 7255' Still in at T.D. Sand - wet	Tocito	6734	6808 '	and shale -		
7140' 7160' Sand w/ shale streaks - oil and yon 7360' Still in at T.D. Sand - wet	Greenhorn	7040'	7100'			
on 7350' Still in at T.D. Sand w/ shale streaks - oil and work still in sand - wet	Dakota 'A'	7140'	7160'	reaks - oil and	*	
on 7360' Still in at T.D. Sand - wet	Dakota 'D'	7255'	7335'	shale streaks - oil and		
Sand -	Burro Canyon	7360	Still in			:
			at T.D.	ı	1	
			- ,- ,		•	:
					profit of the second of the se	

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PERFORATION RECORD

7282', 7286', 7288', 7292', 7294', 7296', 7298', 7304', 7313', 7316', 7318', 4 SPF, 44 holes. Dakota 'D':

7151', 7153', 7157', 7159', 7172', 7174', 4 SPF, Dakota 'A':

24 holes.

Greenhorn: 7062', 7066', 7071', 7076', 7080', 7086', 4 SPF,

24 holes.

6556', 6558', 6580', 6582', 6848', 6850', 6852', Tocito:

6854', 4 SPF, 32 holes.

Gallup:

5717', 5722', 5807', 5820', 5826', 5828', 5830', 5832', 5835', 5846', 5850', 5853', 5866', 5977', 6052', 6054', 6059', 6066', 6068', 6072', 6101', 6110', 6121', 6123', 6127', 6129', 6134', 6157', 6164', 6170', 6173', 6186', 6190', 6206', 6226', 6234', 6242', 6250', 6256', 6274', 6280', 6284', 6286', 6290', 2 SPF, 88 holes.

ACID - FRACTURE

Dakota 'D': 200 gal $7\frac{1}{2}$ % acetic acid

76,000 lbs. 20/40 sand

21,50% bbls. water

Dakota 'A':) 450 gal 7½% Hcl Greenhorn:) 47,650 lbs. 20/40 sand

Tocito:) 1,650 bbls. water

Gallup: 400 gal 7½% Hcl

70,000 lbs. 20/40 sand

21,50% bbls. water

CEMENT:

Cemented with 160 sks (189 CF) Class. B neat, 3% Cacl, 1/4#/sk Flocele. Pumped 75 sks (89 CF) down back side.

Cemented with 1000 sks (1430 CF) of 50/50 pozmix, 1st stage:

2% gel, $6\frac{1}{4}$ lb/sk Gilsonite, 6 lb/sk salt.

Cemented with 400 sks (932 CF) 65/35 pozmix, 2nd stage:

2% gel, 6" lb/sk Gilsonite. Tailed in with 50

sks (59 CF) Class B neat.