Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

5. LEASE DESIGNATION AND SERIAL NO.: Jicarilla Contract #47

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Chace Oil Company, Inc.

8. FARM OR LEASE NAME: Jicarilla Tribal Cont. #47

3. ADDRESS OF OPERATOR: 313 Washington SE, Albuquerque, NM 87108

9. WELL NO.: 47-26

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: Unit 'B', 523' FNL & 2149' FEL

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BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

10. FIELD AND POOL, OR WILDCAT: South Lindrith Gallup Dakot

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 14, T23N, R4W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7316' GR

12. COUNTY OR PARISH: Rio Arriba

13. STATE: New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well History attached, 10/23/86 through 10/29/86.

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OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED D.W. Miller TITLE President DATE 11/06/86

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NOV 10 1986

FARMINGTON RESOURCE AREA
BY _____

*See Instructions on Reverse Side

NMOCC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JICARILLA APACHE 47-26 COMPLETION

10/23/86: Rig up Spartan Well Service.

Pick up 2 3/8" tubing.

Tag cement on top of D. V. tool with 88 joints of tubing.

Drill out D. V. @ 3208' KB with 100 joints with a 30.48' stickup.

Tag cement approximately 60' above float collar.

Clean out casing to float collar @ 7459' KB with 231 joints with a 13 1/2' stickup.

10/27/86:

7:40 a.m. Pressure test casing to 4000 PSI.

Circulate casing clean with 104 bbls treatment water.

8:25 a.m. Spot 250 gal 7 1/2% acetic acid from 7333' up hole.

Trip out of hole with tubing.

10:30 a.m. Go in hole with logging tools. Loggers' T. D. = 7441'.

Run CBL and Gamma Ray from

TD - 5750' KB

5350' - 5000' KB

3250' - 2900' KB

1:00 p.m. Perforate Dakota 'D' zone @ 7313', 7315', 7317', 7319', 7321', 7323', 7325', 7327', 7329', 7331', 7333', 4 SPF, 44 holes.

2:00 p.m. Break down Dakota 'D' perforations.

Broke @ 2500 PSI.

Establish rate 40 BPM @ 3700 PSI

ISIP = 1000 PSI

Drop balls; 2 balls/bbl for 33 bbls. (Total of 66 balls)

Increase rate to 40 BPM @ 2800 PSI

Have a ball off @ 4000 PSI.

Go in hole with junk basket. Retrieve balls. Recover 65 balls.

Jicarilla Apache 47-26 Completion (Continued)

5:57 p.m.	Start pad.	51 BPM @ 3320 PSI
6:06 p.m.	Start 1/2 ppg sand	51 BPM @ 3350 PSI
	1/2 ppg sand on formation	49 BPM @ 3620 PSI
6:10 p.m.	Start 1 ppg sand	47 BPM @ 3600 PSI
	1 ppg sand on formation	51 BPM @ 3500 PSI
6:15 p.m.	Shut one pump truck down. (mechanical problem)	
		46 BPM @ 3060 PSI
6:24 p.m.	Start 1 1/2 ppg sand	45 BPM @ 3170 PSI
6:26 p.m.	1 1/2 ppg sand on formation	45 BPM @ 3200 PSI
6:36 p.m.	On 1 1/2 ppg sand	43 BPM @ 3450 PSI
6:47 p.m.	Cut sand. Go to flush	42 BPM @ 3600 PSI

6:50 p.m. Flush away. Shut down.

ISIP = 2200 PSI

Total sand = 90,000 lbs

Total water = 2,298 bbls 5 min = 1900 10 min = 1850

Go in hole with Howco speed-e-line bridge plug.

7:34 p.m. Set plug @ 7226 1/2 ft.

8:00 p.m. Pressure test plug to 4000 PSI.

Trip in hole with tubing.

Spot 300 gal 7 1/2% Hcl from 7170' up hole.

10/28/86:

12:59 a.m. Perforate Tocito zone @ 6758', 6802', 6804', 6822', 6828', 6857', 6867', 6871', 3 SPF, 24 holes.

Perforate Greenhorn @ 7084', 7088', 7091', 7094', 7098', 7103', 3 SPF, 18 holes.

1:28 a.m. Perforate Dakota 'A' zone @ 7156', 7158', 7160', 7162', 7164', 7166', 7168', 7170', 3 SPF, 24 holes.

Jicarilla Apache 47-26 Completion (Continued):

1:47 a.m.	Break down formation.	
	Broke at 1650 PSI.	
	Establish rate	40 BPM @ 3200 PSI
	Shut down. ISIP = 1300 PSI	
1:53 a.m.	Start balls. 3 balls/bbl for 33 bbls.	
	Increase rate to	54 BPM @ 3130 PSI
	Have good ball action, but no ball off.	
	Pressure up to 3400 PSI.	
	Used 234 bbls for breakdown and ball off.	
	Surge balls off perforations.	
	Go in hole with junk basket.	
	Recover 97 balls.	

TOCITO, GREENHORN, AND DAKOTA 'A' FRAC:

2:57 a.m.	Start pad.	53 BPM @ 3400 PSI
	On pad.	55 BPM @ 3260 PSI
3:05 a.m.	Now on	
	1/2 ppg sand	54 BPM @ 3500 PSI
3:07 a.m.	1/2 ppg sand on formation	54 BPM @ 3480 PSI
3:09 a.m.	Start 1 ppg sand	54 BPM @ 3390 PSI
3:11 a.m.	1 ppg sand on formation	55 BPM @ 3340 PSI
3:12 a.m.	A pump truck bites the dust.	
	Rate now	45 BPM @ 2890 PSI
3:22 a.m.	Start 1 1/2 ppg sand	44 BPM @ 3110 PSI
3:25 a.m.	1 1/2 ppg sand on formation	44 BPM @ 3080 PSI
	On 1 1/2 ppg pressure climbing	43 BPM @ 3790 PSI
	Back off sand to approximately 1 1/4 ppg.	

Jicarilla Apache 47-26 Completion Procedure (Continued):

3:32 a.m. Ease sand concentration back to 1 1/2 ppg.

3:34 a.m. On 1 1/2 ppg sand 44 BPM @ 3800 PSI

3:41 a.m. On 1 1/2 ppg sand 44 BPM @ 3780 PSI

3:46 a.m. Cut sand. Go to flush. 44 BPM @ 3810 PSI

3:48 a.m. Flush away. Shut down.

ISIP = 1900 PSI

Total sand = 90,000 lbs

Total fluid = 2,293 bbls

5 min shut in = 1700 PSI

10 min shut in = 1650 PSI

4:47 a.m. Set Baker retrievable bridge plug @ 6358'

Pressure test plug to 3750 PSI.

The BOP blew a seal.

Shut down.

Trip in hole with tubing while waiting for seals for BOP.

Spot 400 gal 7 1/2% Hcl from 6311' up hole.

Trip out of hole with tubing.

9:32 a.m. Perforate Gallup @ 6021', 6026', 6064', 6066', 6076', 6109', 6118', 6122' 6134', 6140', 6163', 4 SPF, 44 holes.

9:55 a.m. Perforate Gallup @ 6166', 6169', 6192', 6196', 6255', 6264', 6267', 6272', 6301', 6303', 6305', 4 SPF, 44 holes.

10:27 a.m. Perforate Gallup @ 6307', 6309', 6311', 4 SPF, 12 holes.

100 total perforations.

11:09 a.m. Break down formation.

Broke at 750 PSI.

Establish rate 71 BPM @ 3750 PSI

Shut down. ISIP = 850 PSI

11:12 a.m.	Start balls. 4 balls/bbl for 40 bbls.	
	Total of 162 balls.	
	Increase rate to	53 BPM @ 1960 PSI
	Have good ball action, but no ball off.	
	Go in hole with junk basket.	
	Recover 82 balls in two runs.	
12:39 p.m.	Start pad	90 BPM @ 3610 PSI
12:46 p.m.	Start 1/2 ppg sand	89 BPM @ 3590 PSI
12:47 p.m.	1/2 ppg sand on formation	89 BPM @ 3630 PSI
12:49 p.m.	Start 1 ppg sand	89 BPM @ 3600 PSI
12:50 p.m.	1 ppg sand on formation	89 BPM @ 3580 PSI
	Well pressured up to 4000 PSI.	
	Slow rate to	68-70 BPM @ 3800 PSI
	Go back to 1/2 ppg sand.	
1:00 p.m.	Pressure back up to 4000 PSI.	
	Slow rate to	63 BPM
1:01 p.m.	At 1795 bbls, increase sand to 1 ppg.	
1:03 p.m.	1 ppg sand on formation	64 BPM @ 3770 PSI
1:06 p.m.	Start 1 1/2 ppg sand	63 BPM @ 3650 PSI
1:08 p.m.	1 1/2 ppg sand on formation	63 BPM @ 3650 PSI
1:09 p.m.	Pressure back up to 4000 PSI.	
	Take another truck off the line.	57 BPM @ 3640 PSI
1:12 p.m.	Running 1 1/4 ppg sand	57 BPM @ 3530 PSI
1:22 p.m.	On 1 1/2 ppg sand	57 BPM @ 3100 PSI
1:23 p.m.	Increase rate to	63 BPM @ 3600 PSI
1:28 P.m.	Increase sand concentration to	
	1 3/4 ppg	63 BPM @ 3350 PSI

Jicarilla Apache 47-26 Completion (Continued):

1:30 p.m. 1 3/4 ppg sand on formation 64 BPM @ 3300 PSI

1:33 p.m. On 1 3/4 ppg sand 64 BPM @ 3140 PSI

1:34 p.m. Cut sand. Go to flush.

Flush away. Shut down.

ISIP = 600 PSI

5 min = 460 PSI

10 min = 420 PSI

Total sand = 125,000 lbs

Total water = 3,678 bbls

4:00 p.m. Open well up. Flow Gallup frac water back.

Pressure on well head = 300 PSI.

Retrieve Baker bridge plug set at 6358' KB.

10/29/86: Mill up Howco Speed-e-line bridge plug set at 7226' KB.

Clean out casing to 7453' KB.

Land 223 joints of production tubing with seating nipple at 7219.61' KB, with a 4' perforated sub and a 32.40' tail joint below seating nipple. End of tubing @ 7256.01' KB.