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.)

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

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

1 OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2 NAME OF OPERATOR: Chace Oil Company, Inc.

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

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

9. WELL NO.: 16

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: Unit 'F', 1761' FWL & 1873' FNL

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 13, T23N, R4W

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FARMINGTON RESOURCE AREA

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7375' 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.)*

See Well History attached, 6/14/85 through 6/19/85.

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OIL CON. DIV.
DIST. 3

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

SIGNED D. W. Mueller TITLE President DATE June 28, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD
JUL 1985
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.

47-16 Completion

6/14/85: Drill out D. V. tool at 3187' KB.

Clean out casing to 7549' KB.

6/17/85:

7:15 a.m. Pressure test casing to 4000 PSI.
Circulate casing with 2% Kcl water.
Spot 250 gal 7 1/2% acetic acid from 7400' up hole.
Trip out of hole with tubing.

10:30 a.m. Run CBL and correlation log (Logger's TD: 7495').
From TD to 5800'
5450'-5100'
3200'-2850'.

1:20 p.m. Perforate Dakota 'A' zone at:

7229', 7231', 7233', 7235', 7237', 7239', 7241', 4 SPF, 28 holes.

1:25 p.m. Perforate Dakota 'D' zone at:

7392', 7394', 7398', 7400', 4 SPF, 16 holes.

1:49 p.m. Break down Dakota perforations.

Broke at 3000 PSI.

Establish rate 36 BPM @ 3900 PSI.

Shut down. ISIP = 900 PSI.

Start balls. 2 balls/bbl for 36 bbls. Total of 72 balls.

Increase rate to 45 BPM @ 2900 PSI.

Have ball off at 4200 PSI.

Surge balls off perforations.

Go in hole with junk basket.

Recover 71 balls.

DAKOTA 'A' AND 'D' FRAC:

2:50 p.m. Start pad. 50 BPM @ 3200 PSI.

2:58 p.m. On pad. 49 BPM @ 3500 PSI.

3:03 p.m. Start 1/2 lb/gal sand 47.5 BPM @ 3400 PSI.

1/2 lb/gal sand
on formation 44 BPM @ 3000 PSI.

3:05 p.m.	Start 1 lb/gal sand	46 BPM @ 3100 PSI.
3:09 p.m.	1 lb/gal sand on formation	49 BPM @ 3100 PSI.
3:16 p.m.	On 1 lb/gal sand	48.5 BPM @ 3000 PSI.
3:34 p.m.	Start 1 1/2 lb/gal sand	50 BPM @ 3300 PSI.
3:36 p.m.	1 1/2 lb/gal sand on formation	50 BPM @ 3300 PSI.
3:41 p.m.	On 1 1/2 lb/gal sand	46 BPM @ 3000 PSI.
3:48 p.m.	On 1 1/2 lb/gal sand	43 BPM @ 3500 PSI.
3:54 p.m.	Shut down. Repair pressure transducers.	
4:00 p.m.	Start back on 1 1/2 lb sand	40 BPM @ 3100 PSI.
4:03 p.m.	Ball gun starts leaking.	
	Cut sand. Go to flush.	
	Flush away. Shut down.	
	ISIP = 1600 PSI	
	5 min = 1550 PSI	
	10 min = 1525 PSI	
	Total sand = 110,000 lbs	
	Total fluid = 3,300 bbls	
4:52 p.m.	Set Howco bridge plug at 7200' KB.	
5:12 p.m.	Pressure test plug to 4000 PSI.	
	Trip in hole with tubing.	
	Spot 300 gal of 7 1/2% Hcl from 7169' up hole.	
	Run in hole with perforating gun.	
10:00 p.m.	Perforate Tocito at:	
	6941', 6943', 6945', 6947', 4 SPF, 16 holes.	
10:02 p.m.	Perforate Greenhorn at:	
	7152', 7157', 7160', 7163', 7165', 7169', 4 SPF, 24 holes.	
10:20 p.m.	Break down perforations.	

Broke at 1200 PSI.

Establish rate. 40 BPM @ 3000 PSI.

Shut down. ISIP = 1500 PSI.

10:24 p.m. Start balls. 2 balls/bbl for 30 bbls. Total of 60.

Increase rate 42 BPM @ 3000 PSI. Have ball off at 4000 PSI.

Go in hole with junk basket. Recover 51 balls.

GREENHORN, TOCITO FRAC:

11:38 p.m.	Start pad.	48 BPM @ 3400 PSI.
11:44 p.m.	Start 1/2 lb/gal sand	46 BPM @ 3400 PSI.
11:47 p.m.	1/2 lb/gal sand on formation	48 BPM @ 3400 PSI.
11:49 p.m.	Start 1 lb/gal sand	46 BPM @ 3450 PSI.
11:51 p.m.	1 lb/gal sand on formation	47 BPM @ 3300 PSI.
11:57 p.m.	Start 1 1/2 lb/gal sand	46 BPM @ 3350 PSI.
11:59 p.m.	1 1/2 lb/gal sand on formation	46 BPM @ 3400 PSI.

6/18/85:

12:00 a.m.	At 1017 go to 1 lb/gal sand.	35 BPM @ 3600 PSI.
12:02 a.m.	At 3800 PSI, cut sand. Go to flush.	
12:15 a.m.	Flush away. Shut down.	

ISIP = 2200 PSI
5 min = 1600 PSI
10 min = 1525 PSI

Total sand = 31,500 lbs.

Total fluid = 1,300 bbls.

Go in hole with Baker bridge plug.

1:00 a.m. Set plug at 6430' KB.

Jicarilla Apache 71-42 Completion:

1:18 a.m. Pressure test plug to 4000 PSI.

Spot 400 gal 7 1/2% Hcl from 6376' up hole

5:30 a.m. Perforate Gallup zone at:

6134', 6142', 6228', 6244', 6248', 6252', 6254', 6256', 6258',

6260', 6262', 3 SPF, 33 holes.

Perforate Gallup zone at:

6271', 6273', 6276', 6283', 6329', 6331', 6340', 6342',

6344', 6346', 3 SPF, 30 holes.

Break down Gallup perfs

7:40 a.m. Broke at 1000 PSI.

Establish rate 70 BPM @ 3100 PSI.

Shut down. ISIP = 600 PSI.

Start balls. 3 balls/bbl for 33 bbls.

Increase rate to 60 BPM @ 2500 PSI.

Have a ball off at 4000 PSI.

8:00 a.m. Go in hole with junk basket.

Recover 98 balls.

Trip in hole with tubing and packer.

Set packer at 6000'.

Swab Gallup perfs to clean up drilling mud.

Have good oil and gas show.

Pull tubing out of hole.

Gallup frac:

4:04 p.m. Start pad. 73 BPM @ 3550 PSI.

4:14 p.m. Start 1/2 lb/gal sand 74 BPM @ 3650 PSI.

Jicarilla Apache 47-16 Completion:

4:15 p.m.	1/2 lb/gal sand on formation	73 BPM @ 3700 PSI.
4:16 p.m.	Start 1 lb/gal sand	74 BPM @ 3600 PSI.
4:17 p.m.	1 lb/gal sand on formation	73 BPM @ 3650 PSI.
4:18 p.m.	Pressure climbs to 3900 PSI. Slow rate to	20 BPM @ 3700 PSI.
	Cut sand. Try to clean up perfs.	
4:22 p.m.	Pressure climbs to 4000 PSI. Shut down.	
	Flow sand and water back.	
	Trip in hole with tubing. Wash out 4 stands of sand.	
	Trip out of hole with tubing.	

Gallup frac attempt #2:

10:02 p.m.	Start pad	50 BPM @ 3800 PSI.
10:07 p.m.	Start 1/2 lb/gal sand	54 BPM @ 3600 PSI.
10:09 p.m.	1/2 lb/gal sand on formation	56 BPM @ 3300 PSI.
10:10 p.m.	Start 1 lb/gal sand	56 BPM @ 3300 PSI.
10:11 p.m.	1 lb/gal sand on formation	56 BPM @ 3300 PSI.
10:14 p.m.	On 1 lb/gal sand	44 BPM @ 3700 PSI
10:18 p.m.	On 1 lb/gal sand	26 BPM @ 3900 PSI
	On flush	27 BPM @ 3900 PSI.
	Slow rate to	23 BPM @ 3800 PSI.
10:23 p.m.	Start 1/2 lb/gal sand	22 BPM @ 3750 PSI
10:27 p.m.	1/2 lb/gal sand on formation	22 BPM @ 3650 PSI
10:32 p.m.	Pressure reaches 4000 PSI. Shut down.	
	Pressure falls to 1000 PSI.	
	Start pumping.	7 BPM @ 3800 PSI
		6 BPM @ 3900 PSI

Jicarilla Apache 47-16 Completion:

10:34 p.m. Shut down.

ISIP = undetermined.

5 min = 300 PSI

total sand = 35,300 lbs

total fluid = 1,350 bbls

11:00 p.m. Flow Gallup formation back.

6/19/85: Go in hole with tubing. Retrieve Baker bridge plug.

Mill up Howco drillable bridge plug.

Clean out casing to 7507' KB.

Land production tubing, seating nipple at 7326' KB.

Have a 4' perforated sub and a 32' tail jt. of tubing below seating nipple.

End of tubing at 7362' KB.