

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse 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 ☐ GAS WELL ☐ 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.*
See also space 17 below.)
At surface
Unit 'L', 2284' FSL & 855' FWL

RECEIVED

NOV 29 1985

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7285' GR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

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

9. WELL NO.
47-22

10. FIELD AND POOL, OR WILDCAT
South Lindrieth, Gallup, Dakota

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

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:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

(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, 11/15/85 through 11/20/85.

RECEIVED
DEC 04 1985
OIL CON. DIV.
DIST. 3

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

SIGNED D.W. Miller TITLE President

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE 11/27/85

ACCEPTED FOR RECORD

DATE DEC 04 1985

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

NMOCC

CHACE OIL COMPANY, INC.
313 Washington S.E.
Albuquerque, New Mexico 87108

Jicarilla 47-22 Well

Page 5

Ran 185 joints of 4 1/2", 11.6 lb/ft N-80 casing set at 7438' KB. Guide shoe at 7437' KB. Float collar at 7394'. D. V. tool at 3219'. Cement baskets at 6712', 4787', 4385', 1735'. First stage: pumped 20 bbls Flo-chek 21. Cemented first stage with 895 sks (1280 CF) 50/50 pozmix, 2% gel, 6 1/4 lb/sk Gilsonite, 6 lb/sk salt. Plug down at 10:49 p.m. Opened D. V. tool. Circulated upper stage 3 hours. Second stage: pumped 20 bbls Flo-chek 21. Cemented second stage with 420 sks (890 CF) 65/35 pozmix, 6% gel, 12 1/4 lb/sk Gilsonite. Tailed in with 50 sks (59 CF) Class B neat. Plug down at 3:08 a.m. on 11/9/85. Circulated 2 bbls to surface.

11/15/85:

Drill out D. V. tool at 3219' KB.
Clean out casing to float collar at 7394' KB.
Shut down for the weekend.

11/18/85:

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

8:14 a.m. Circulate casing with 2% KCl water.
Spot 250 gal 71 1/2% acetic acid from 7309' up hole.
Trip out of hole with tubing.

11:25 a.m. Go in hole with logging tools.
Log from float collar at 7394' KB to 5700' - CBL and correlation
and from 5300' to 5000' KB
and from 3250' to 2800' KB.

2:56 p.m. Perforate Dakota 'D' zone at:

7290', 7292', 7294', 7297', 7299', 7301', 7303', 7305', 7307',

7309', 4 SPF, 40 holes.

3:52 p.m. Break down Gallup perforations.

Broke at 2400 PSI.

Establish rate 49 BPM @ 2800 PSI

Shut down. ISIP = 1100 PSI.

Start balls - 2 balls/bbl for 33 bbls (Total of 65 balls)

Increase rate to 50 BPM @ 2800 PSI

Have a ball off at 4000 PSI.

Surge balls off perforations.

Go in hole with junk basket.

Recover 64 balls.

5:02 p.m.	Start pad.	53 BPM @ 3100 PSI	
5:11 p.m.	Start 1/2 lb/gal sand	52 BPM @ 3450 PSI	
5:13 p.m.	1/2 lb/gal sand on formation	52 BPM @ 3450 PSI	
5:14 p.m.	Start 1 lb/gal sand	52 BPM @ 3450 PSI	
5:16 p.m.	1 lb/gal sand on formation	52 BPM @ 3350 PSI	
5:25 p.m.	On 1 lb/gal sand	52 BPM @ 3375 PSI	
5:26 p.m.	Start 1 1/2 lb/gal sand	52 BPM @ 3400 PSI	
5:28 p.m.	1 1/2 lb/gal sand on formation	51 BPM @ 3450 PSI	
5:31 p.m.	On 1 1/2 lb/gal sand	50 BPM @ 3600 PSI	
5:34 p.m.	Have a sand out. Pressure went to 4600 PSI before shut down. Have 50,000 lbs sand away when well sanded off. Flow sand back off perforations.		
6:10 p.m.	Start pad	34 BPM @ 3400 PSI	
6:15 p.m.	Start 1 lb/gal sand	41 BPM @ 3200 PSI	
6:17 p.m.	1 lb/gal sand on formation	46 BPM @ 3300 PSI	
6:19 p.m.	Start 1 1/2 lb/gal sand	46 BPM @ 3350 PSI	1955 bbls.
6:21 p.m.	1 1/2 lb/gal sand on formation	46 BPM @ 3350 PSI	
6:26 p.m.	Cut sand. Go to flush.	39 BPM @ 3500 PSI	
6:29 p.m.	Flush away. Shut down.		
	ISIP = 1900 PSI		
	5 min = 1600 PSI		
	10 min = 1500 PSI		
	Total sand = 69,100 lbs		
	Total water = 2,252 bbls		
	Start in hole with Howco bridge plug.		
7:10 p.m.	Set plug at 7200' KB.		
7:25 p.m.	Pressure test plug to 4000 PSI. Trip in hole with tubing. Spot 300 gal 7 1/2% Hcl from 7152' up hole. Trip out of hole with tubing.		

11/19/85:

12:14 a.m. Perforate Tocito zone at:

6842', 6844', 6846', 6850', 3 SPF, 12 holes.

Perforate Greenhorn at:

7046', 7053', 7059', 7062', 7066', 7070', 7074', 7078', 3 SPF, 24 holes.

12:46 a.m. Perforate Dakota 'A' zone at:

7134', 7136', 7138', 7140', 7142', 7144', 7146', 7148', 7150', 7152',

3 SPF, 30 holes.

1:56 a.m. Break down formations.

Broke at 1000 PSI.

Establish rate 50 BPM @ 3500 PSI

Shut down. ISIP = 1250 PSI.

Start balls. 3 balls/bbl for 33 bbls. Total of 100 balls.

Increase rate to 38 BPM @ 2400 PSI.

Have ball off at 4000 PSI.

Surge balls off perforations.

Go in hole with junk basket.

Recover 100 balls.

DAKOTA 'A', GREENHORN, TOCITO FRAC:

3:12 a.m. Start pad. 52 BPM @ 3200 PSI.

3:18 a.m. On pad 54 BPM @ 3400 PSI.

3:21 a.m. Start 1/2 lb/gal sand 54 BPM @ 3575 PSI.

3:23 a.m. 1/2 lb/gal sand on formation 53 1/2 BPM @ 3650 PSI

3:24 a.m. Start 1 lb/gal sand 53 BPM @ 3675 PSI

3:26 a.m. 1 lb/gal sand on formation 53 BPM @ 3650 PSI

3:35 a.m. Start 1 1/2 lb/gal sand 52 BPM @ 3650 PSI

3:37 a.m.	1 1/2 lb sand on formation	51 BPM @ 3800 PSI	
3:38 a.m.	1385 bbls away. Go to 1 lb/gal sand	50 BPM @ 3750 PSI	
3:40 a.m.	1 lb/gal sand on formation	47 BPM @ 3575 PSI	
3:42 a.m.	Start 1 1/2 lb/gal sand	47 BPM @ 3600 PSI	1600 bbls
3:44 a.m.	1 1/2 lb/gal sand on formation	46 BPM @ 3600 PSI	
3:50 a.m.	On 1 1/2 lb/gal sand	46 BPM @ 3650 PSI	
3:56 a.m.	Cut sand. Go to flush.	47 BPM @ 3500 PSI	
3:58 a.m.	Flush away. Shut down.		

11/19/85:

ISIP = 2100 PSI

5 min = 1900 PSI

10 min = 1875 PSI

15 min = 1800 PSI

Total sand = 87,200 lbs

Total water = 2,310 bbls

4:10 a.m. Try to start in hole with bridge plug. Won't go down.
Wellhead, equilizer lines, and lubricator is frozen.

7:06 a.m. Start in hole with Baker bridge plug.

7:36 a.m. Set plug at 6330' KB.

8:05 a.m. Pressure test plug to 4000 PSI.
Spot 400 gal 7 1/2% Hcl from 6276' up hole.

12:30 p.m. Rig broke down.

2:45 p.m. Perforate Gallup zone at:
5752', 5756', 6089', 6095', 6097', 6125', 6147', 6150', 6154', 6161',
6174', 3 SPF, 33 holes.

3:17 p.m. Perforate Gallup at:
6216', 6224', 6226', 6230', 6232', 6234', 6236', 6238', 6240', 6256',
6264', 3 SPF, 33 holes.

3:40 p.m. Perforate Gallup at:
6266', 6268', 6270', 6272', 6274', 6276', 3 SPF, 18 holes.

3:54 p.m. Break down Gallup perforations.
Broke at 1200 PSI.
Establish rate 65 BPM @ 3200 PSI.
Shut down. ISIP = 500 PSI.
Start balls. 4 balls/bbl for 33 bbls. Total of 130 balls.
Increase rate to 59 BPM @ 2900 PSI.
Pressure increased to 3850 PSI. No ball off.
Go in hole with junk basket. Recover 127 balls.

4:51 p.m. GALLUP FRAC:
Start pad. 77 BPM @ 3700 PSI
335 bbls away, have a leak at the wellhead.

4:57 p.m. Shut down. ISIP = 500 PSI.

5:10 p.m. Waiting on frac head.

8:30 p.m. Replace frac head.

8:37 p.m. Start pad. 80 BPM @ 3500 PSI

8:43 p.m. Start 1/2 lb/gal sand 80 BPM @ 3500 PSI

8:44 p.m. 1/2 lb/gal sand on formation 80 BPM @ 3575 PSI

8:45 p.m. Start 1 lb/gal sand 81 BPM @ 3550 PSI

8:46 p.m. 1 lb/gal sand on formation 79 BPM @ 3700 PSI

8:51 p.m. On 1 lb/gal sand 71 BPM @ 3650 PSI

8:59 p.m. On 1 lb/gal sand 72 BPM @ 3400 PSI

9:02 p.m. Start 1 1/2 lb/gal sand 73 BPM @ 3350 PSI

9:03 p.m. 1 1/2 lb/gal sand on formation 73 BPM @ 3400 PSI

9:08 p.m. Frac head washing out. Slow rate to 50 BPM.

9:13 p.m. Frac head washed out. Shut down.

Bull plug one side of frac head.

9:16 p.m. Start pumping 50 BPM @ 2450 PSI
on 1 lb/gal sand

9:22 p.m. Go to 1 1/2 lb/gal sand 50 BPM @ 2400 PSI

9:28 p.m. Cut sand. Go to flush. 50 BPM @ 2600 PSI

9:31 p.m. Flush away. Shut down.

ISIP = 400 PSI

5 min = 375 PSI

10 min = 350 PSI

15 min = 350 PSI

Total sand = 111,100 lbs.

Total fluid = 3,331 bbls.

11/20/85:

12:00 a.m. Open well up. Flow Gallup formation back.

1:30 a.m. Go in hole with retrieving head and string float.

3:00 p.m. Retrieve Baker bridge plug set at 6330' KB.

4:15 p.m. Drill up Howco bridge plug set at 7200' KB.

7:45 p.m. Clean out casing to float collar @ 7394' KB.

Land production tubing (222 joints of 2 3/8") at 7238.28' KB.
Seating nipple at 7203.43' KB.