

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract #47
2. NAME OF OPERATOR Chace Oil Company, Inc.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
3. ADDRESS OF OPERATOR 313 Washington, SE, Albuquerque, NM 87108	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 338' FNL & 850' FEL Unit 'A', Section 11, T23N,R4W	8. FARM OR LEASE NAME Jicarilla Tribal Cont. #47
14. PERMIT NO.	9. WELL NO. 47-18
15. ELEVATIONS (Show whether BUREAU OF LAND MANAGEMENT or FARMINGTON RESOURCE AREA) 7302' GR	10. FIELD AND POOL, OR WILDCAT South Lindrith Gallup Dakota
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 11, T23N,R4W
	12. COUNTY OR PARISH Rio Arriba
	13. STATE New Mexico

RECEIVED

DEC 12 1985

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(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, 11/29/85 through 12/4/85.

RECEIVED
DEC 16 1985
OIL CON. DIV.
DIST. 3

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

SIGNED D. W. Miller TITLE President

DATE 12/11/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Well: Jicarilla 47-18CHACE OIL COMPANY, INC.
313 Washington S.E.
Albuquerque, New Mexico 87108Page: 6Date: 11/22/85

Day # #13 . Present operation: _____ . Depth today: 7565' TD
24 hour footage: _____ . Formation: _____
Drill Collars: No: _____ Size: _____ Weight: _____ Bore: _____
Rotary: RPM: _____ Weight on bit: _____ Present drilling rate: _____
Pump: Liner size: _____ Pressure: _____ Strokes per minute: _____
Mud: Vis: _____ Wt.: _____ W. L.: _____
Mud additives last 24 hours: _____

Deviation survey: _____

Bit: _____

Break down:	<u>1 1/2 hours</u>	<u>Trip</u>
	<u>5 hours</u>	<u>Lay down drill pipe</u>
	<u>1/2 hour</u>	<u>rig up casers</u>
	<u>4 1/4 hours</u>	<u>run casing</u>
	<u>1 hour</u>	<u>rig up and circulate</u>
	<u>1 1/4 hours</u>	<u>cement 1st stage</u>
	<u>3 hours</u>	<u>circulate</u>
	<u>1 1/4 hours</u>	<u>cement 2nd stage</u>
	<u>1 1/4 hours</u>	<u>nipple down - set slips</u>
	<u>5 hours</u>	<u>rig down</u>

RIG RELEASED AT
12:00 a.m. 11/22/85

Ran 191 joints of 4½", 11.6 lb/ft, N-80 casing set at 7565' KB. Guide shoe at 7564' KB. Float collar at 7522'. D. V. tool at 3377'. Cement baskets at 6825', 5088', 4493', 1831'. First stage: pumped 20 bbls. Flo-chek 21. Cemented first stage with 900 sks (1287 CF) 50/50 pozmix, 2% gel, 6¼ lb/sk Gilsonite, 6 lb/sk salt. Plug down at 6:20 p.m. Opened D. V. tool. Circulated upper stage 3 hours. Second stage: pumped 20 bbls Flo-chek 21. Cemented second stage with 460 sks (975 CF) 65/35 pozmix, 6% gel, 12¼ lb/sk Gilsonite. Tailed in with 50 sks (59 CF) Class B neat. Plug down at 10:45 on 11/21/85. Circulated 8 bbls cement to surface.

Completion procedure

11/29/85: Drill out D. V. tool.
Clean out casing to float collar at 7537' KB, which is 15' lower than casing tally.

12/2/85:

7:00 a.m. Pressure test casing to 4000 PSI.
Circulate casing with 2% Kcl water.
Spot 250 gal 7½% acetic acid from 7440' up hole.
Trip out of hole with tubing.
Run Gamma Ray and bond log from
7512' KB to 5850'
5300' KB to 5100'
3400' KB to 3000'

2:00 p.m. Perforate Dakota 'D' zone at:
7418', 7420', 7422', 7426', 7428', 7430', 7434', 7436', 7438', 7440',
4 SPF, 44 holes.

2:18 p.m. Break down Dakota 'D' perforations:
Broke at 3200 PSI.

Establish rate 47 BPM @ 3000 PSI

Shut down.
ISIP = 1200 PSI

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

Increase rate to 51 BPM @ 2800 PSI

Pressure increases to 4000 PSI. No ball off.
Surge balls off perforations.
Go in hole with junk basket. Recover 67 balls.

Dakota 'D' frac:

3:31 p.m. Start pad 50 BPM @ 3100 PSI

3:41 p.m. Start 1/2 lb/gal sand 50 BPM @ 3300 PSI

3:43 p.m. 1/2 lb/gal sand
on formation 50 BPM @ 3250 PSI

3:44 p.m. Start 1 lb/gal sand 50 BPM @ 3250 PSI

3:46 p.m. 1 lb/gal sand on formation 50 BPM @ 3250 PSI

3:57 p.m. Start 1 1/2 lb/gal sand 50 BPM @ 3250 PSI

3:59 p.m. 1 1/2 lb/gal sand on formation 50 BPM @ 3300 PSI

4:10 p.m. On 1 1/2 lb/gal sand 48 BPM @ 3450 PSI

4:18 p.m. Cut sand. Go to flush 46 BPM @ 3550 PSI

4:21 p.m. Flush away. Shut down.
ISIP = 1650 PSI
5 min = 1450 PSI
10 min = 1400 PSI
15 min = 1375 PSI

Total sand = 85,000 lbs.
Total water = 2,400 bbls

Go in hole with Howco bridge plug.

5:03 p.m. Set plug at 7320' KB.

5:19 p.m. Pressure test plug to 4000 PSI.
Trip in hole with tubing.

Spot 300 gal 7½% Hcl from 7270' up hole.
Trip out of hole with tubing.

8:41 p.m. Perforate Tocito at 6962', 6964', 6969', 3 SPF, 9 holes.

Perforate Greenhorn at 7172', 7176', 7179',
7183', 7186', 7189', 7191', 3 SPF, 21 holes.

9:10 p.m. Perforate Dakota 'A' at 7235', 7237', 7239', 7241', 7255', 7260',
7262', 7264', 7266', 7268', 7270', 3 SPF, 33 holes.

9:30 p.m. Break down perforations.

Broke at 2400 PSI.

Establish rate

55 BPM @ 3100 PSI

Shut down.

ISIP = 1300 PSI

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

Increase rate to

48 BPM @ 2600 PSI.

Have ball off at 4000 PSI.

Go in hole with junk basket.

Recover 97 balls.

Dakota 'A', Greenhorn, Tocito frac:

10:26 p.m. Start pad. 55 BPM @ 3100 PSI

10:35 p.m. Start 1/2 lb/gal sand 56 BPM @ 3200 PSI

10:37 p.m. 1/2 lb/gal sand on formation 54 BPM @ 3100 PSI

10:39 p.m. Start 1 lb/gal sand 54 BPM @ 3050 PSI

10:41 p.m. 1 lb/gal sand on formation 55 BPM @ 3000 PSI

10:50 p.m. Start 1 1/2 lb/gal sand 54 BPM @ 3000 PSI

10:52 p.m. 1 1/2 lb/gal sand on formation 54 BPM @ 3000 PSI

11:00 p.m. On 1 1/2 lb/gal sand 54 BPM @ 3100 PSI

11:10 p.m. Cut sand. Go to flush 53 BPM @ 3100 PSI

11:12 p.m. Flush away. Shut down.

ISIP = 1750 PSI

5 min = 1700 PSI

10 min = 1675 PSI

15 min = 1650 PSI

Total sand = 90,000 lbs

Total water = 2,500 bbls

12/3/85: Go in hole with Baker bridge plug.

12:05 a.m. Set plug at 6460' KB.

12:25 a.m. Pressure test plug to 4000 PSI.

Trip in hole with tubing.
 Spot 400 gal 7½% Hcl from 6413' up hole.
 Trip out of hole with tubing.

- 4:30 a.m. Perforate Gallup at 5942', 5944', 6207', 6225', 6229', 6236', 6246', 6248', 6256', 6262', 6269'.
- 4:56 a.m. Perforate Gallup at 6286', 6288', 6290', 6293', 6322', 6324', 6350', 6352', 6360', 6393', 6395'.
- 5:25 a.m. Perforate Gallup at 6397', 6399', 6401', 6403', 6405', 6409', 6411', 6413'
- 6:10 a.m. Break down Gallup perforations.
 Broke at 1200 PSI.
 Establish rate 69 BPM @ 2600 PSI
 Shut down.
 ISIP = 450 PSI
 Start balls. 4 balls/bbl for 34 bbls. Drop 135 balls.
 Increase rate to 50 BPM @ 2700 PSI.
 Have good ball action up to 3800 PSI. No ball off.
 Surge balls off perforations.
 Go in hole with junk basket.
 Recover 132 balls.

Gallup frac:

- 9:12 a.m. Start pad. 84 BPM @ 3000 PSI
- 9:16 a.m. Start 1/2 lb/gal sand 82 BPM @ 3000 PSI.
- 9:18 a.m. Start 1 lb/gal sand 83 BPM @ 2900 PSI.
- 9:17 a.m. 1/2 lb/gal sand on formation 82 BPM @ 3000 PSI.
- 9:20 a.m. 1 lb/gal sand on formation 83 BPM @ 2900 PSI.
- 9:25 a.m. On 1 lb/gal sand 84 BPM @ 2900 PSI.
- 9:26 a.m. Start 1 1/4 lb gal sand 83 BPM @ 2900 PSI.
- 9:28 a.m. 1 1/4 lb/gal sand on formation 82 BPM @ 3000 PSI.
- 9:29 a.m. Go back to 1 lb/gal sand 80 BPM @ 3350 PSI.
- 9:35 a.m. Pressure increases to 3900 PSI.
 Slow rate to 52 BPM.
- 9:37 a.m. On 1 lb/gal sand 52 BPM @ 3200 PSI.
- 9:38 a.m. Start 1 1/4 lb/gal sand 52 BPM @ 3000 PSI.

9:40 a.m. 1 1/4 lb/gal sand on formation 51 BPM @ 3200 PSI.

9:45 a.m. Cut sand. Run a pad of water.

9:48 a.m. Start 1 lb/gal sand 26 BPM @ 3600 PSI

9:56 a.m. On 1 lb/gal sand 28 BPM @ 3200 PSI

10:09 a.m. Cut sand. Go to flush 30 BPM @ 2550 PSI.

10:12 a.m. Flush away. Shut down.
ISIP = 400 PSI
5 min = 325 PSI
10 min = 300 PSI
15 min = 275 PSI
Total sand = 100,000 lbs
Total fluid = 3,470 bbls

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

5:00 p.m. Retrieve Baker bridge plug.
Drill up Howco bridge plug.

12/4/85: Clean out casing to float collar at 7522' KB.

4:00 a.m. Land production tubing.
224 joints - 2 3/8"
with seating nipple at 7311.15' KB.
with a 4' perforated sub and a 32.5' tail joint below seating nipple.
End of tubing at 7347.69' KB.