Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well [X] 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. See space 17 below.)
AT SURFACE: Unit 'F' - 1980' FNL and
AT TOP PROD. INTERVAL: 1980' FWL
AT TOTAL DEPTH:

5. LEASE
Tribal Contract #71

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla Tribal Contract #71

9. WELL NO.
#-18

10. FIELD OR WILDCAT NAME
S. Lindrith Gallup Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 3, T23N, R4W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7227 GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	[ ]		[ ]
FRACTURE TREAT	[ ]		[ ]
SHOOT OR ACIDIZE	[ ]		[ ]
REPAIR WELL	[ ]		[ ]
PULL OR ALTER CASING	[ ]		[ ]
MULTIPLE COMPLETE	[ ]		[ ]
CHANGE ZONES	[ ]		[ ]
ABANDON*	[ ]		[ ]
(other)			

RECEIVED
JUL 28 1983
OIL CON. DIV.
DIST. 3
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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 - 7/11/83 through 7/13/83.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED D. W. Miller TITLE President DATE July 27, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE ACCEPTED FOR RECORD

CONDITIONS OF APPROVAL, IF ANY:

AUG 0 2 1983

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO
BY

*See Instructions on Reverse Side

NMOCC

JICARILLA APACHE 71-18 COMPLETION

7/11/83:

8:00 A. M. Pick up tubing and 3 7/8" bit.

10:44 A. M. Start drilling cement @ 3200', 10' above D. V. tool.

12:30 P. M. Pressure test D. V. tool to 1500 PSI.

3:10 P. M. Tag cement 100' above float collar @ 7397'.

Drill cement out to 7497'.

4:30 P. M. Circulating casing. Waiting for Western to pressure test casing.

7:40 P. M. Pressure test casing to 4000 PSI.

Circulate casing with 2% Kcl water. Spot 250 gal. 7½% acetic acid from 7433' up hole. TOOH w/ tubing.

11:00 P. M. Start in hole with logging tools.

Log from 7497-5900' - CBL and correlation
5400-4950' - CBL
3250-2000' - CBL

7/12/83:

3:00 A. M. Perforate Dakota 'D' zone @ 7405', 7407', 7409', 7411', 7414', 7416', 7424', 7425', 7427', 7433' - 4 SPF, 40 holes.

3:29 A. M. Break down Dakota 'D' perforations:

Broke @ 2700 PSI

Establish rate 35 BPM @ 3600 PSI

ISIP = 1000 PSI

Drop 3 balls/bbl in 10 bbls.

10 bbl spacer

Drop 3 balls/bbl in 10 bbls. Total balls = 60

Increase rate to 49 BPM @ 2900 PSI

Have a ball off at 4000 PSI

3:50 A. M. Start in hole with junk basket.

Recover 61 balls.

Dakota 'D' frac:

Jicarilla Apache 71-18

4:54 A. M.	Start pad	50 BPM @ 3500 PSI
5:02 A. M.	Start 0.5 lb sand	52 BPM @ 3600 PSI
5:04 A. M.	0.5 lb sand on formation	54 BPM @ 3600 PSI
5:05 A. M.	Start 1.0 lb sand	54 BPM @ 3600 PSI
5:07 A. M.	1.0 lb sand on formation	54 BPM @ 3500 PSI
5:16 A. M.		53 BPM @ 3550 PSI
5:23 A. M.	Start 1.5 lb sand	53 BPM @ 3700 PSI
5:26 A. M.	1.5 lb sand on formation	53 BPM @ 3650 PSI
5:34 A. M.	On 1.5 lb sand	53 BPM @ 3700 PSI

5:40 A. M. Start flush

5:42 A. M. Shut down. Flush away.

Total sand = 90,000 lbs.

Total fluid = 2,464 bbls.

ISIP = 1650 PSI
5 min = 1400 PSI
10 min = 1350 PSI
15 min = 1300 PSI

6:05 A. M. Start in hole with EZ drill bridge plug.

6:50 A. M. Set plug @ 7345'

7:14 A. M. Pressure test plug to 4000 PSI

7:35 A. M. Trip in hole with tubing.

11:00 A. M. Spot 400 gal. 7½% Hcl from 7287' up hole.

Perforate Tocito formation @ 6867', 6885', 6901', 6943', 6945', 6947', 6949', 6951' - 4 SPF, 32 holes.

Perforate Greenhorn @ 7160', 7167', 7174' - 4 SPF, 12 holes.

Break down perforations.

Jicarilla Apache 71-18 Completion

12:20 P. M. Broke @ 1100 PSI.

Establish rate 38 BPM @ 2600 PSI

ISIP = 1500 PSI

12:48 P. M. Perforate Greenhorn @ 7178', 7182', 7187', 7193', 7195', 7198'
4 SPF, 24 holes

Perforate Dakota 'A' @ 7241', 7243', 7248', 7252', 7255' - 4 SPF, 20 holes.

Well came in flowing after perforating Dakota 'A' zone

Shut in - Built 500 PSI in 3 min.
Break down perforations.
Establish rate 45 BPM @ 3400 PSI

ISIP = 1400 PSI

3½ minutes shut in - 700 PSI

1:30 P. M. Well started flowing oil and gas
Well flowed while going in with perforating guns to shoot
Lower 'A' zone.

1:40 P. M. Perforate Dakota 'A' @ 7258', 7262', 7271', 7275', 7287' - 4 SPF, 20 holes.

Total perforations: 108.

2:01 P. M. Start balls. 5 balls/bbl in 15 bbls.
10 bbl spacer
5 balls/bbl in 15 bbls. Total balls: 150

Increase rate 50 BPM @ 3400 PSI

Had ball action. Pressured up to 3600 PSI

No ball off. Shut down.

2:30 P. M. Go in hole with junk basket to recover balls.

Recovered 147 balls.

TOCITO, GREENHORN, DAKOTA 'A' FRAC:

3:22 P. M. Start pad 61 BPM @ 3300 PSI

3:29 P. M. Start 0.5 lb sand 60 BPM @ 3400 PSI

3:31 P. M. 0.5 lb sand on formation 60 BPM @ 3400 PSI

3:32 P. M. Start 1.0 lb sand 60 BPM @ 3450 PSI

3:33 P. M. 1.0 lb sand on formation 60 BPM @ 3400 PSI

Jicarilla Apache 71-18 Completion

3:49 P. M.	Start 1.5 lb sand	55 BPM @ 3450 PSI
3:51 P. M.	1.5 lb sand on formation	54 BPM @ 3450 PSI
3:56 P. M.	on 1.5 lb sand	53 BPM @ 3700 PSI
4:00 P. M.	on 1.5 lb sand	51 BPM @ 3600 PSI

4:04 P. M. Start flush

Flush away. Shut down.

Total sand = 90,000 lbs.
Total fluid = 2442 bbls.

ISIP = 1750 PSI
5 min = 1500 PSI
10 min = 1450 PSI
15 min = 1400 PSI

4:30 P. M. Start in hole with Baker retrievable bridge plug.

5:07 P. M. Set plug @ 6460'.

5:25 P. M. Pressure test plug to 4000 PSI.

6:00 P. M. Spot 7 gal. sand on plug.

7:30 P. M. Trip in hole with tubing. Spot 450 gal. 7½% Hcl from 6395' up hole.

9:51 P. M. Perforate Gallup zone @ 6189', 6193', 6202', 6208', 6213', 6224', 6234', 6241', 6249', 6263', 6273' - 4 SPF, 44 holes.

Break down perforations.

Broke @ 1500 PSI.

Establish rate 49 BPM @ 2000 PSI

ISIP = 200 PSI

10:40 P. M. Perforate Gallup @ 6276', 6282', 6313', 6316', 6327', 6333', 6336', 6344', 6346', 6348', 6353 - 4 SPF. 44 holes

11:18 P. M. Perforate Gallup @ 6355', 6375', 6377', 6382', 6384', 6389', 6391', 6395' - 4 SPF, 32 holes

Total Gallup perforations: 120

11:37 P. M. Break down perforations.

Broke @ 1600 PSI

Establish rate 89 BPM @ 3000 PSI
ISIP = 300 PSI

Start balls - 5 balls/bbl in 17 bbls.
10 bbls spacer
5 balls/bbl in 17 bbls.

Bring rate up to 72 BPM

Have ball off 4000 PSI.

7/13/83:

12:15 A. M. Run in hole with junk basket.

Recover 167 balls.

GALLUP FRAC

1:03 A. M.	Start pad	92 BPM @ 2900 PSI
1:09 A. M.	Start 0.5 lb sand	90 BPM @ 3250 PSI
1:10 A. M.	0.5 lb sand on formation	90 BPM @ 3250 PSI
1:11 A. M.	Start 1.0 lb sand	89 BPM @ 3350 PSI
1:12 A. M.	1.0 lb sand on formation	89 BPM @ 3400 PSI
1:13 A. M.	on 1.0 lb sand	92 BPM @ 3350 PSI
1:17 A. M.	on 1.0 lb sand	90 BPM @ 3550 PSI
1:19 A. M.	on 1.0 lb sand	88 BPM @ 3600 PSI
1:22 A. M.	on 1.0 lb sand	85 BPM @ 3700 PSI
1:25 A. M.	on 1.0 lb sand	80 BPM @ 3700 PSI

At 3800 PSI, slow rate to 70 BPM

At 3800 PSI, slow rate to 58 BPM 3600 PSI

At 4000 PSI, cut sand. Go to flush

1:30 A. M. With 11 bbls. flush away, shut down due to high pressure.

ISIP - 200 PSI

Have 67,000 lbs sand away.

1:35 A. M. Flow well back.

Well flowed for 10 minutes, then died.

2:50 A. M. Start in hole with tubing and retrieving head to recover bridge plug.

Jicarilla Apache 71-18 Completion

Tag sand 26 joints above bridge plug.

840' above bridge plug 5620'

Was sand out to bridge plug.

8:30 A. M. Release bridge plug.

Mill up bridge plug @ 7345'

Clean out casing to 7497'.

Land tubing @ 6500'.

11:00 P. M. Pump tubing plug out of tubing.

Well started flowing

8:00 A. M. Shut well in.

Wait for test tanks.