

SUNDRY NOTICES AND REPORTS ON WELLS

1. oil well ☒ gas well ☐ other

Chace Oil Company, Inc.

313 Washington, SE, Albuquerque, NM 87108

AT SURFACE: Unit "A" 550' FNL & 330' FEL

AT TOTAL DEPTH:

SUBSEQUENT REPORT OF:

(other) Progress Report

OCT 07 1982

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.)*

9-27-82

DATE _____

OCT 07 1982

BY

SMN

NMOCC

Chace

JICARILLA 71-9 STIMULATION REPORT

9-21-82:

12:00 A. M. Drill out D. V. tool @ 3289'.
5:00 A. M. On bottom. Circulate hole.
6:30 A. M. Spot 250 gal. 7½% acetic acid from 7574' up.
Pressure test casing to 4500 PSI.
9:30 A. M. Start in hole with logging tools.
11:41 A. M. Coming out of hole with tools. Collar locator not working.
11:46 A. M. Collar locator starts working. Back on bottom logging.
2:15 P. M. Finished logging.
2:49 P. M. Perforate Dakota "D" zone @ 7541', 7548', 7550', 7552', 7554',
7556', 7558', 7560', 7562', 7572' and 7574'.
3:08 P. M. Start breakdown. Broke @ 2050 PSI.
Establish rate 36 BPM 2800 PSI
ISIP = 500 PSI
3:10 P. M. Drop balls. 10 BPM 1300 PSI
4 balls/bbl in 16 bbl. fluid = 65 balls.
3:13 P. M. Increase rate to 40 BPM 2800 PSI
3:19 P. M. Balled off. 4000 PSI
Total fluid for breakdown: 170 bbls. H₂O
3:32 P. M. Run in hole with junk basket
4:10 P. M. Recovered 65 balls, 45 hits.
4:15 P. M. Start Dakota "A" frac.

Pad 38 BPM 2800 PSI
4:25 P. M. 1/2 lb/gal 20/40 38 BPM 2800 PSI
4:28 P. M. 1/2 lb/gal 20/40
On formation 38 BPM 2800 PSI
4:30 P. M. 1 lb/gal 20/40 38 BPM 2800 PSI
4:33 P. M. 1 lb/gal 20/40
On formation 38 BPM 2800 PSI
4:36 P. M. 1.5 lb/gal 20/40 38 BPM 2800 PSI
4:39 P. M. 1/5 lb/gal 20/40
On formation 38 BPM 2700 PSI
4:43 P. M. 1.5 lb/gal 20/40 38 BPM 2750 PSI
4:47 P. M. 1.5 lb/gal 20/40 36.5 BPM 2875 PSI
4:48 P. M. 1.5 lb/gal 20/40 36 BPM 2900 PSI
4:52 P. M. 1.5 lb/gal 20/40 36 BPM 3000 PSI
4:55 P. M. 1.5 lb/gal 20/40 35 BPM 3100 PSI
5:00 P. M. 1.5 lb/gal 20/40 32 BPM 3350 PSI
5:07 P. M. 1.5 lb/gal 20/40 32 BPM 3200 PSI
5:09 P. M. Start flush. 12 bbl. displacement in.
5:11 P. M. Shut down. 4000 PSI. Have a sand out. Flow well back.
5:12 P. M. Start pumping 5 BPM 2800 PSI
4.5 BPM 3300 PSI - Shut down
Flow well back.
5:22 P. M. Try to flush
again 11 BPM 2000 PSI
5:26 P. M. Shut down @ 65 bbl. of displacement in.
Flow well back.
5:43 P. M. Flush again. 11 BPM 2000 PSI
Flush in.
Shut down 104 bbl. displacement 4000 PSI

Total H₂O pumped: 2176 bbl.
 Total 20/40 mesh sand 75,760 lbs.
 15 min. shut in pressure 1100 PSI
 7:00 P. M. Start in hole with bridge plug (EZ-Drill)
 7:47 P. M. Tag sand @ 7185'.
 Come out of hole with bridge plug.
 8:45 P. M. TIH with tubing to circulate sand out.

9-22-82:

1:50 A. M. Start out of hole with tubing.
 Cleaned out 90 ft. of sand
 Circulated 1.5 hours. Well starts flowing
 3:50 A. M. Start in hole with bridge plug.
 4:31 A. M. Set B. P. @ 7490'.
 4:55 A. M. Pressure test B. P. to 4500 PSI.
 6:42 A. M. In hole with tubing. Spot 250 gal. Hcl from 7429-7046'.
 7:01 A. M. Start out of hole with tubing.
 8:28 A. M. Out of hole with tubing.
 8:48 A. M. Start in hole with guns.
 9:04 A. M. Perforate Dakota "A" zone - 64 holes 4 shots per foot.
 7324', 7326', 7346', 7388', 7390', 7392', 7394', 7396',
 7398', 7400', 7429'

Dakota "A" Zone

9:58 A. M.	Start breakdown. Broke @ 2600 PSI	10 BPM	
	Establish rate	37 BPM	3200 PSI
10:04 A. M.	Increase rate	43 BPM	3300 PSI
10:13 A. M.	Ball off @ 4000 PSI. Dropped 100 balls.		
10:30 A. M.	Start in hole with junk basket.		
	100 balls recovered. 53 hits.		
12:22 P. M.	Start pad.	36 BPM	2900 PSI
12:24 P. M.		41 BPM	3100 PSI
12:26 P. M.		46.5 BPM	3400 PSI
12:28 P. M.		48 BPM	3400 PSI
		50 BPM	3400 PSI
12:29 P. M.	Start 0.5 lb/gal 20/40 sand	50 BPM	3400 PSI
12:32 P. M.	0.5 lb/gal 20/40 sand		
	On formation	50 BPM	3350 PSI
12:33 P. M.	Start 1 lb/gal 20/40 sand	50 BPM	3300 PSI
		50 BPM	3250 PSI
		50 BPM	3200 PSI
12:36 P. M.	1 lb/gal 20/40 sand		
	On formation	50 BPM	3200 PSI
		50 BPM	3150 PSI
12:38 P. M.	Start 1.5 lb/gal 20/40 sand	50 BPM	3150 PSI
12:41 P. M.	1.5 lb/gal 20/40 sand		
	On formation	50 BPM	3150 PSI
12:52 P. M.		49.5 BPM	3175 PSI
12:54 P. M.	Start flush	50 BPM	3200 PSI
12:56 P. M.	Well head starts leaking		
	Slow rate to	35 BPM	2400 PSI

12:57 P. M. Shut down. ISIP 1500 PSI.
 10 min. shut in. 1350 PSI.
 15 min. shut in 1300 PSI.
 Total fluid for frac: 1585 bbls.
 Total 20/40 mesh sand: 60,000 lbs.

2:10 P. M. Set retrievable bridge plug @ 6615'.
 2:29 P. M. Pressure test plug to 4500 PSI.
 2:44 P. M. Dump 10 gal. sand on plug.
 Start in hole with tubing to spot acid.

4:25 P. M. Spot 650 gal. 7½% Hcl from 6538' up.
 6:40 P. M. Perforate Upper Gallup Zone @ 6100', 6085', 6066'. 12 holes.
 6:54 P. M. Break down perforations.
 Broke @ 1500 PSI.
 Establish rate @ 20 BPM 2200 PSI
 ISIP = 600 PSI.

7:11 P. M. Perforate Lower Gallup Zone @ 6322', 6324', 6326', 6330'
 6332', 6334', 6348', 6350'

7:39 P. M. Perforate Lower Gallup Zone @ 6368', 6360', 6362', 6366',
 6368', 6372', 6376', 6380', 6382', 6504', 6514'.

8:40 P. M. Perforate Lower Gallup Zone @ 6516', 6520', 6522', 6524',
 6528', 6532', 6538'.

9:00 P. M. Break down Gallup. Broke @ 1200 PSI.
 Establish rate 74 BPM 2200 PSI
 ISIP = 0 PSI
 Drop 6 balls/bbl. Total: 170 balls.
 Ball off @ 4000 PSI.
 Use 225 bbls. fluid for breakdown and ball off.

9:52 P. M. 56 balls recovered.

10:07 P. M.	Start pad.	82 BPM	2750 PSI
		81 BPM	2900 PSI
10:17 P. M.	Start sand		
	0.5 lb/gal 20/40	81 BPM	2900 PSI
10:18 P. M.	0.5 lb/gal 20/40		
	On formation	80 BPM	2850 PSI
10:19 P. M.	1 lb/gal 20/40	80 BPM	2850 PSI
10:20 P. M.	1 lb/gal 20/40		
	On formation	79 BPM	2850 PSI
10:24 P. M.	1.5 lb/gal 20/40	78.5 BPM	2900 PSI
10:25 P. M.	1.5 lb/gal 20/40		
	On formation	78 BPM	2800 PSI
10:29 P. M.		70 BPM	3200 PSI
10:30 P. M.		65 BPM	3000 PSI
10:32 P. M.		62 BPM	3400 PSI
10:34 P. M.		63 BPM	3250 PSI
10:39 P. M.	Pump goes down.		
10:43 P. M.		60 BPM	2800 PSI
10:51 P. M.		54 BPM	3400 PSI
10:59 P. M.		55 BPM	3225 PSI
11:07 P. M.	Start flush	56 BPM	3200 PSI
11:10 P. M.	Flush away.		

11:10 P. M. ISIP - 400 PSI
 5 min. S. I. = 350 PSI
 15 min. S. I. = 300 PSI
 Total fluid: 3931 bbl.
 Total sand: 176,000 lbs. 20/40

9-24-82:

Land tubing @ 7544' KB. 234 joints.