

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Yates Brothers, 309 Carper Bldg., Artesia, New Mexico
(Address)

LEASE Ross Sears WELL NO. 1 UNIT 1 S 17 T 122 R 26E

DATE WORK PERFORMED _____ POOL Atoka (Undesignated)

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☒ Other Completion

Detailed account of work done, nature and quantity of materials used and results obtained.

SEE ATTACHED DATA SHEET

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3392 TD 3858 PBD 1678 Prod. Int. 1219-1678 (O.H.) Compl Date 2-3-57

Tbng. Dia 2" Tbng Depth 1484 Oil String Dia 7" Oil String Depth 1219

Perf Interval (s) None

Open Hole Interval 1219-1678 Producing Formation (s) San Andres

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by _____

(Company)

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name M L Armstrong
Title Regional Supervisor
Date MAR 1 1957

Name L. W. Garry
Position Office Manager
Company Yates Brothers,
309 Carper Bldg.
Artesia, New Mexico

DATA SHEET

Prior to initial completion, the following stimulation and testing was done:

TESTING

- 3210-3260.5 Treated with 50 barrels fresh water. Swabbed dry. No show
2798-2848.5 Treated with 50 barrels fresh water. Swabbed dry. No show
2464-2514.5 Treated with 50 barrels fresh water. After swabbing back 57 barrels, the formation was making 1 barrel salt water plus 1 gal. oil plus sweet gas TSTM each 15 minutes.
2409.5-2460 Treated with 50 barrels fresh water. Recovered 50 barrels water. Last hour swabbed 1-1/2 barrels salt water plus 1 gal. oil plus sweet gas TSTM.
2355-2405.5 Treated with 50 barrels fresh water. After setting overnight-swabbed 8 barrels salt water plus 5 gals. oil plus slight increase of sweet gas.
2287-2337.5 Treated with 50 barrels fresh water. After recovering 50 barrels-swabbed 1/2 barrel salt water plus 1 gal. oil plus sweet gas TSTM every 15 minutes.
2232.5-2283 Treated with 50 barrels fresh water. After recovering 20 barrels-swabbed down to only a flow of oil, gas & water.
1777-1827.5 Treated with 50 barrels fresh water. Recovered 52 barrels. Last swab had 1 barrel salt water plus 1 gal. dark green oil plus sour gas TSTM.

SAND - WATER TREATING

- 2464-2514.5 Treated with 363 barrels fresh water plus 5838 pounds sand. Swabbed down to 1 barrel water plus 5-6 gals. oil plus some emulsion. Re-treated with 30 gals. of HOWCO Hyflow mixed with 90 barrels lease oil. Recovered 45 barrels oil and swabbed down 2 gals per 10 minutes.
2409.5-2460 Treated with 264 barrels fresh water plus 8075 pounds sand.
2355-2405.5 Treated with 170 barrels fresh water plus 2000 pounds sand.
2287-2337.5 Treated with 760 barrels fresh water plus 8250 pounds sand. Results of preceding work was 2-3/4 barrels of 40 gravity oil plus 24 barrels salt water. Plug back to 1678 feet.

SAND - OIL TREATING

- 1583-1615 Treat with 5000 gals. heavy oil plus 1550 pounds sand. Broke @ 2500 pounds with 50 barrels lease crude.
1/4 lbs. /gal 2700 gals @ 3300 pounds
1/2 lbs. /gal 2000 gals @ 3100 "
3/4 lbs. /gal 500 gals @ 3100 "
Average inspection rate 15.5 BPM.
Flush @ 2600 pounds @ 18 BPM
Immediate SIP - 1550 pounds (4:51 PM - 1-20-57)
SIP - 1150 pounds (7:00 P.M. - 1-20-57)
SIP - 850 pounds (7:00 AM - 1-21-57)

Prior to initial completion, the following stimulation and testing was done:

TESTING

1510-1515.5 Treated with 50 barrels fresh water. Swapped dry. No show.
 1518-1548.5 Treated with 50 barrels fresh water. Swapped dry. No show.
 1504-1514.5 Treated with 50 barrels fresh water. After washing back 50 barrels, the formation was making 1 barrel salt water plus 1 gal. oil plus sweet gas TSTM each 15 minutes.
 1409-1449.5 Treated with 50 barrels fresh water. Recovered 50 barrels water. Last hour swapped 1-1/2 barrels salt water plus 1 gal. oil plus sweet gas TSTM.
 1355-1405.5 Treated with 50 barrels fresh water. After setting overnight, swapped 8 barrels salt water plus 5 gal. oil plus slight increase of sweet gas.
 1327-1337.5 Treated with 50 barrels fresh water. After recovering 50 barrels swapped 1/2 barrel salt water plus 1 gal. oil plus sweet gas TSTM every 15 minutes.
 1232-1242.5 Treated with 50 barrels fresh water. After recovering 50 barrels swapped down to only a drop of oil, gas & water.
 1171-1181.5 Treated with 50 barrels fresh water. Recovered 50 barrels. Last swap had 1 barrel salt water plus 1 gal. dark green oil plus sour gas TSTM.

SAND - WATER TREATING

1464-1474.5 Treated with 300 barrels fresh water plus 5838 pounds sand. Swapped down to 1 barrel water plus 5-6 gal. oil plus some emulsion. Re-treated with 10 gal. of H₂O₂ H₂O mixed with 50 barrels lease oil. Recovered 45 barrels oil - and swapped down 4 gal. per 10 minutes.

1409-1449.5 Treated with 354 barrels fresh water plus 8075 pounds sand.
 1355-1405.5 Treated with 170 barrels fresh water plus 4000 pounds sand.
 1327-1337.5 Treated with 160 barrels fresh water plus 8251 pounds sand.
 Results of preceding work was 2-3/4 barrels of 40 gravity oil plus 54 barrels salt water.
 Plug back to 1078 feet.

SAND - OIL TREATING

1383-1415 Treated with 5000 gal. heavy oil plus 1550 pounds sand. Breaks at 2500 pounds with 50 barrels lease crude.
 1-1/2 lbs. / gal. 3300 pounds
 1-1/2 lbs. / gal. 3300 pounds
 2-1/2 lbs. / gal. 3300 pounds
 3-1/2 lbs. / gal. 3300 pounds
 4-1/2 lbs. / gal. 3300 pounds
 Average inspection rate 12.5 BPM.
 Flush at 2500 pounds @ 18 BPM.
 Immediate SIP - 1550 pounds (4:51 PM - 1:40-57)
 SIP - 1150 pounds (7:00 PM - 1:50-57)
 SIP - 850 pounds (7:00 AM - 1:21-57)

1551-1583

Treated with 5000 gals heavy oil plus 3250 lbs. sand. Broke @ 2800 lbs. back to 2300 lbs with 50 barrels lease oil. Flush with 64 barrels lease oil @ 2600 lbs. @ 14.4 BPM.

1/4 lbs. /gal - 1000 gals @ 3000 lbs.

1/2 lbs. /gal - 1000 gals @ 3400 lbs.

3/4 lbs. /gal - 1700 gals. @ 3300 lbs.

1 lb. /gal - 1000 gals. @ 3300 lbs.

1-1/4 lbs. /gal - 300 gals. @ 3300 lbs.

Average injection rate of 15 BPM.

Immediate SIP - 1700 lbs. @ 10:10 AM - 1-21-1957

SIP - 1300 lbs. @ 10:15 AM - 1-21-57

SIP - 1000 lbs. @ 12:40 PM - 1-21-57

1465-1497

Injected 55 barrels lease oil. Broke @ 3000 lbs. back to 2500 lbs. Communicated around top packer.

1459-1491

Injected 2200 gals lease oil. Communicated.

1429-1503

Treated with 5000 gals. heavy oil plus 3600 lbs. sand. Broke down with 50 barrels lease crude @ 2950 lbs. Flush with 100 barrels lease crude @ 2700 lbs. @ 16 BPM.

1/4 lb. /gal. - 3500 gals - 3450 lbs.

1/2 lb. /gal - 500 gals. - 3100 lbs.

3/4 lb. /gal - 400 gals. - 3100 lbs.

1 lb. /gal - 600 gals. - 3100 lbs.

Average injection rate - 13.4 BPM.

Immediate SIP - 1300 lbs. @ 12:35 PM - 1-21-1957

SIP - 1075 lbs. @ 12:45 PM - 1-21-57

SIP - 900 lbs. @ 2:50 PM - 1-21-57

Results of sand-oil treating after 40 days is 13 BOPD (36 gravity) plus 2-3 barrels salt water.

1452-1453 Treated with 5000 gals heavy oil plus 3500 lbs. sand. Broke 6
5800 lbs. back to 3300 lbs with 50 barrels lease oil. Flush with 64
barrels lease oil @ 2500 lbs. @ 14.4 BPM.

1 1/4 lbs. gal. - 1000 gals. @ 3000 lbs.

1 1/2 lbs. gal. - 1000 gals. @ 3400 lbs.

3/4 lbs. gal. - 1700 gals. @ 3300 lbs.

1 lb. gal. - 1700 gals. @ 3400 lbs.

1 1/4 lbs. gal. - 300 gals. @ 3300 lbs.

Average injection rate of 15 BPM.

Immediate SIP - 1700 lbs. @ 10:10 AM - 1-21-57

SIP - 1300 lbs. @ 10:15 AM - 1-21-57

SIP - 1000 lbs. @ 12:40 PM - 1-21-57

1455-1457 Injected 55 barrels lease oil. Broke @ 3000 lbs. back to 4500 lbs.
Communicated around top packer.

1452-1451 Injected 2000 gals lease oil. Communicated.

1457-1503 Treated with 5000 gals. heavy oil plus 3500 lbs. sand. Broke down with
50 barrels lease crude @ 4550 lbs. Flush with 100 barrels lease crude
@ 2700 lbs. @ 16 BPM.

1 1/4 lb. gal. - 3500 gals - 3450 lbs.

1 1/2 lb. gal. - 500 gals. - 3100 lbs.

3/4 lb. gal. - 400 gals. - 3100 lbs.

1 lb. gal. - 600 gals. - 3100 lbs.

Average injection rate - 13.4 BPM.

Immediate SIP - 1300 lbs. @ 12:35 PM - 1-21-57

SIP - 1075 lbs. @ 12:45 PM - 1-21-57

SIP - 900 lbs. @ 2:50 PM - 1-21-57

Results of sand-oil treating after 40 days is 13 BOPD (50 gravity) plus
5-7 barrels salt water.