

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUMMARY 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 9-351-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR JOHNS DE WATERFLOOD PROJECT
Division of Amoco Petroleum Company
3. ADDRESS OF OPERATOR
Box 1710, Hobbs, New Mexico 88240
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 2465' FEL & 1360' FSL, Unit 1tr J
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETION ☐
CHANGE ZONES ☐
ABANDONMENT ☐
(other) ☐

SUBSEQUENT REPORTS:

- ☐
☐
☐
☐
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☐

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DD 8 1980

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

- ☐ Run & Cmt Prod Csg, Cmt Squeeze, Perf,
☐ Treat & Complete.

5. LEASE
LC-059152-b
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME Sinclair Maljamar
Johns DE Waterflood Project
8. FARM OR LEASE NAME
Johns "B" DE
9. WELL NO.
13
10. FIELD OR WILDCAT NAME
Maljamar Grbg SA
11. SEC., T., R., E., OR BLK. AND SURVEY OR AREA
24-17S-32E
12. COUNTY OR PARISH Lea 13. STATE New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4052.8' GR

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.)

Finished drlg 7-7/8" hole to 4300' @ 4:00 PM 1/1/80. RIH w/172' 4 1/2" OD 11.60# K-55 & 4123' 4 1/2" 9.5# K-55 csg, set @ 4300'. DV tool @ 2993', ECP Lynes pkr @ 2995', FC @ 4255'. Cmt'd 1st stage w/245 sx Cl C cmt w/4% gel, 8# salt, 1/2# celloflake/sk followed by 200 sx Cl C w/2% CaCl. Cmt'd 2nd stage thru DV tool w/1428 sx Cl C w/4% gel, 8# salt, 1/2# celloflake/sk followed by 200 sx Cl C w/2% CaCl. WOC 144 hrs. Drld DV tool @ 2997', press tested csg to 1500# for 30 mins OK. Drld out cmt & ran bit to 4259'. Press tested csg to 1500# for 30 mins OK. Ran CR-CNL. Drld FC @ 4264' & cmt to 4289'. Press tested csg to 1500# for 30 mins OK. Ran CR-CNL, CBL. TOC @ 2174'. Perf'd squeeze holes @ 2110' w/2 .38" holes. Set FBRC @ 1800' & squeeze perms 2110' w/1500 sx Howco Lite cmt w/15# salt/sk followed by 200 sx Cl C cmt w/3% CaCl. Temp survey indicated TOC @ 1635'. Perf'd squeeze holes @ 1555' w/2 .38" holes. Set pkr @ 1237' & cmt'd squeeze holes w/1500 sx Lite cmt w/15# salt/sk & 4% gel, followed by 200 sx Cl C cmt w/3% CaCl. Circ 50 sx cmt to pit. (cont'd on page 2)

Subsurface Safety Valve: Mann. and Type

Set @ _____ FL.

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

SIGNED

[Signature]

TITLE

Dist. Drlg. Supt.

DATE

4/3/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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Johns "B" DE #13
April 3, 1980
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WOC 12 hrs. Temp survey indicated TOC @ 40'. Drld out cmt to 1577', press tested perfs @ 1555' w/1500# for 30 mins OK. Drld cmt to 2152', press tested squeeze perfs @ 2110' w/1250#, bled off, no squeeze. Set pkr @ 1744', squeezed perfs 2110' w/200 sx Cl C cmt w/3% CaCl, 5# salt/sk. WOC 23 hrs. Drld cmt to 2115'. Pressure tested csg to 1700# for 30 mins OK. Ran bit to 4289' PBD. Ran CBL, TOC @ 780'. Perf'd 4 1/2" csg @ 530' w/4 holes. Squeeze cmt'd perfs @ 530' w/200 sx Cl C cmt w/3% CaCl. WOC. Drld cmt out to 595'. Press tested 4 1/2" csg to 1500# for 30 mins OK. Ran CBL. Perf'd San Andres 4267, 70, 72, 75' w/1 SPF (4 .33" holes). Set pkr @ 4100' & spotted 15% HCL-NE-FE acid, could not break perfs. POH w/pkr. Perf'd San Andres w/1 SPF @ 4267, 70, 72, 75'. RHH w/pkr, set pkr @ 4030'. Spotted 2 bbls acid, broke perfs. Swbd 1 1/2 hrs, rec 2 BWO, 17 BW. SUMP 1650#. Flwd 2" stream water. RHH w/bit & csg scraper. Found collapsed csg @ 4114'. Ran swedge, swedged out csg. Spotted sd to 4163'. Set pkr @ 3886'. Injection rate indicated collapsed csg 4114-4124'. CO sd to 4289' PBD. RHH w/cmt retr, set @ 4250' w/2 sx sd on top. RHH w/csg alignment tool, cmt retr, set retr @ 4102', align tool 4104-4134'. Squeezed collapsed csg 4114-24' w/150 sx Cl C cmt w/4% gal followed by 150 sx Cl C cmt w/3# salt/sk. Csg collapsed above retr. Swedged out csg 4063-75'. Perf'd 2 squeeze holes @ 4097' & 2 squeeze holes @ 4067'. RHH w/pkr, set pkr @ 4012'. Established pump in rate. POH w/pkr. RHH w/csg align tool & cmt retr, set align tool 4051-81', retr @ 4019'. Squeezed collapsed csg w/100 sx Cl C cmt w/.3% Hal-9 followed by 100 sx Cl C cmt w/.3% CFR-2, 2% CaCl & 3# salt/sk. Circ out 64 sx cmt. WOC. RHH w/bit, drld cmt retr, csg align tool & cmt to 4082', no cmt to top of cmt retr @ 4102'. POH w/bit. RHH w/pkr, set pkr @ 4102'. Press up csg, found csg leaks various intervals. Reset pkr @ 4100'. Spotted 200 gals 15% acid, reset pkr @ 4030' & pumped acid. POH w/pkr. RHH w/cmt retr, set @ 4008'. Squeezed perfs 4097-4067' w/150 sx Cl C cmt w/.5% Hal-9 followed by 100 sx Cl C cmt w/.3% CFR-2, 2% CaCl & 3# salt/sk. Squeezed to 4000#. RO 10 sx. WOC. RHH w/RBP, set BP @ 1518'. Spotted 2 sx sd on BP. RHH w/pkr, set pkr @ 190'. Squeezed perfs @ 530' w/100 sx Cl C cmt w/3% CaCl followed by 100 sx Cl C cmt w/3% CaCl & 5# sd/sk. POH w/pkr. WOC. Drld out cmt 350-540'. Retrieved BP @ 1518'. RHH w/bit to TOC @ 3999', drld cmt & cmt retr to 4001', cmt to 4067'. Squeezed perfs @ 4067' flwg tr oil and gas. RHH w/cmt retr, set retr @ 4008', squeezed perfs @ 4067' w/100 sx Cl C cmt & 75 sx Cl C cmt w/2% CaCl & 3# sd/sk. Squeeze press 4000#. RO 55 sx. WOC. RHH w/RBP, set BP @ 1518', spotted 2 sx sd on top of BP. Set pkr @ 190'. Squeezed perfs @ 530' w/150 sx Cl C w/3% CaCl followed by 150 sx Cl C cmt w/3% CaCl & 5# sd/sk. Squeeze press 1000#. WOC. Drld out cmt & rec BP @ 1518', drld cmt retr @ 4008', cmt to 4085'. Tested csg to 1500#, test failed. RHH w/cmt retr, set retr @ 4010'. Squeezed perfs @ 4067' w/20 BFW, 200# caustic soda, 5 BFW, 1000 gals Flo-check, 1 BFW, 200 sx Cl C cmt w/2% CaCl & 5# sd/sk. Squeeze press 4500#. RO 4 sx. WOC. RHH w/RBP, set BP @ 1518', spot 2 sx sd on top of BP. RHH w/pkr, set @ 190'. Squeezed perfs @ 530' w/10 BFW w/100# caustic soda, 150 sx Thick-set cmt w/4% CaCl & 5# salt/sk Tuff-plug followed by 150 sx Cl C cmt w/3% CaCl & 5# sd/sk. Squeeze press 2000#. WOC. Drld out cmt to 855'. Press csg to 1100#, test failed. Reset BP @ 2000', spotted 2 sx sd on top. RHH w/cmt retr, set retr @ 1452'. Squeezed perfs @ 1555' w/10 BFW cont'g 100# caustic soda followed by 100 sx Cl C cmt w/3% CaCl, 5# salt/sk & 100 sx Cl C cmt w/3% CaCl, 5# salt/sk & 5# sd/sk. Squeezed to 1100#. RO 6 sx cmt. WOC. RHH w/pkr, set pkr @ 190'. Squeezed perfs @ 530' w/200 sx Cl C cmt w/4% CaCl. Squeeze press 2000#. RO 2 sx cmt. WOC. POH w/pkr. Drld out cmt to 530'. Press tested csg to 1240# for 30 mins OK. Drld cmt, cmt retr to 1565', press tested csg to 1200#, test failed. RHH w/pkr, set pkr @ 1252'. Squeezed perfs @ 1555' w/100 sx Sure-fill cmt w/3% CaCl followed by 150 sx Cl C cmt w/3% CaCl & 5# salt/sk. Squeeze press 2500#. WOC. POH w/pkr. Drld out cmt to 1570'. Press tested csg to 1150# for 30 mins OK.

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CO sd & rec RBP @ 2000'. Drld cmt retr @ 4010' & cmt to 4085'. Press tested csg to 1100# for 30 mins OK. ON had 1/8" water flow. Drld cmt & csg alignment tool to 4115'. Drld 4115-4122', rec alum, cmt & csg cuttings. Drld align tool, cmt & csg 4122-4126'. CO to 4245'. Press tested csg to 1050# for 30 mins OK. Drld cmt retr @ 4250', CO to 4289' PBH. Set cmt retr @ 4238'. Perf'd SA @ 4167, 73, 76, 77, 78, 79, 88, 89, 90, 91' w/1 SS ea interval. RIH w/pkr & tbq. Set pkr @ 4152'. Acidized perfs 4167-91' w/250 gals 15% NE acid. Swbd 2 hrs, rec 4 BNO & 19 BLW. Drld on cmt retr @ 4238' & pushed to 4289'. RIH w/compl assy, BP @ 4021', SN @ 3986'. In 9 hrs swbd 16 BNO & 68 BW. On 24 hr potential test 3/28/80 flwd 23 BO, 2 BW & 9 MCFG on 48/64" ck, GOR 391:1. Final Report.