. OF COPIES RECEIVED		
DISTRIBUTION		
ITA FE		
E		
.G.S.		
ND OFFICE		
PERATOR		

RECEIVED

NEW MEXICO OIL CONSERVATION COMMISSION

JUL 10 1981

O. C. D.

ARTESIA, OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

5a. Indicate Type of Lease: State ☐ Federal ☐ Fee ☐

5. State Oil & Gas Lease No.: E5131; Fed-NM06407A

7. Unit Agreement Name: East Henshaw Unit

8. Farm or Lease Name: Tract 19

9. Well No.: 3

10. Field and Pool, or Wildcat: West Henshaw Grayburg

OIL WELL [XX] GAS WELL ☐ OTHER-

Name of Operator: Stamford Natural Resources Group 1980-1

Address of Operator: c/o S & J Operating Company, P. O. Box 2249, Wichita Falls, TX 76307

Location of Well: UNIT LETTER O, 3630 FEET FROM THE S LINE AND 2310 FEET FROM THE E LINE, SECTION 1 TOWNSHIP 16S RANGE 30E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.): 3947' GR

12. County: Eddy

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK ☐
- TEMPORARILY ABANDON ☐
- PULL OR ALTER CASING ☐
- PLUG AND ABANDON ☐
- CHANGE PLANS ☐
- OTHER ☐

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ☐
- COMMENCE DRILLING OPNS. ☐
- CASING TEST AND CEMENT JOB ☐
- ALTERING CASING ☐
- PLUG AND ABANDONMENT ☐
- OTHER ☐

Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

Details Attached

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

SIGNED [signature] TITLE Petroleum Engineer DATE 5/15/81

APPROVED BY For Record Only TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

S & J OPERATING COMPANY

Company: Stamford Natural Resources Group 1980-1
Lease: East Hensahw Unit
Tract 19 Well No. 3

5-7-81 Meeting with Joe Johnson, Jr. concerning well. Pickup well file.

Well Data

8 5/8" surface casing set @ w/50 sks.
4 1/2" x 9.5# csg. set @ 3088' w/130 sks (approx. 600' fill)

Perforations

3048' - 3054' and 3060' - 3066' (48 holes)

Tubing Record:

105 joints of 2 3/8 EUE 8 rd. thd.	3,047.59'
1 25/32 seating nipple	1.10'
Perforated tubing nipple	3.10'
Orange peeled mud anchor	17.00'

Pump:

2 x 1 1/2 x 12' w/3' plunger and 78" stroke

Rods:

121 - 5/8 (3,025')

Well Information Starting with 5-4-81

L. D. Wells - well test 3 days before water flow. 15 oil - no water. Water came in one night and filled 2 - 500 bbl. tanks and part of 210 bbl. tank. Checked wells and found well No. 19-3 full of salt water. Leak in casing approx. 3' down from surface. Water washed out under pumping unit. Moved pumping unit off location. Moved in Berry Well Service unit and rig up on 5-5-81.

Unseated pump and pulled polish rod and 12' rod subs and pump hung up in tubing. Rig up to strip well. Tie onto tubing and couldn't pull tubing work w/tubing 33,000 lbs. over wt. of 12,000 lbs. Total pulled 45,000 lbs. by indicator. 5-6-81.

5-7-81 Run 1,800' rods back into well w/cheaters and try to get rods to back off deeper. Rods started backing off shallower than 1,800'. Finally managed to get rods backed off 1,700' down and shut down. Plan to cut tubing in the morning approx. 9:30 A.M. (New Mexico time).

5-7-81 Meeting with/Mr. Joe L. Johnson, Jr. @ Wichita Falls office and run through what had been done to well. Picked up well file. Leave Wichita Falls for Lubbock @ 6:30 P.M. Arrive @ 10:30 P.M. @ motel in Lubbock, Texas. Drove through some very stormy weather. Called Mr. Wells and set meeting @ Lovington, New Mexico.

5-8-81 Left motel in Lubbock @ 5:00 A.M. - Arrive Lovington, N.M. @ 7:30 A.M. (All time shown will be Texas time.) Meet Mr. Wells @ cafe. Mr. Wells filled me in with same information that Mr. Johnson had related in meeting. Followed Mr. Wells to location. Berry Well Service crew on location @ 10:00 A.M. (9:00 New Mexico) Wire line truck not on location. Found out truck broke down. Work w/tubing while waiting. Pulled 20,000 lbs. over wt. of tubing (12,000 lbs.) 24" of stretch. Pipe worked loose. Pulled 105 jts. of tubing and SN and perf. nipple and mud anchor. Finish stripping out rods. Total of 121 5/8" rods and 2" x 1 1/2" x 12 pump.

Note: Jt. # 104 - Bottom 19' was collapsed and twisted and rod # 121 was stuck in it. Pump was directly below. Jt. # 105 and SN and perf. and mud anchor was in good condition. When tubing came loose the 1st and 2nd joint drug out and from then on pipe came without any other tight places. Out of hole w/everything @ 11:30 P.M. (10:30 N.M. time)

5-9-81 Leave motel @ 5:00 A.M.

Pick up Halliburton 4 1/2" R-4 Tension packer w/shear and back-off coupling. Ran packer and 13 jts. of tubing. Well flowing so hard that packer, without by-pass, hyd. rubbers out and all flow started through tubing. Well flowed out jt. # 13 and 1/2 of jt. # 12. Tubing snagged in derrick. Snub tubing to well head. Rig up snubbing line w/sand line. Lay down jt. # 13. Snub out Jt. # 12 and set packer @ 324'. Flow stopped through casing. Close in tubing.

Water started coming up around surface. Used back-hoe to dig out surface. Surface has flat plate welded to it and casing has a flat plate welded on it and the two plates bolted together w/4 belts. Dug out 3' below plates. Flow coming from around outside of surface.

Used welder to weld up hole in 4 1/2" casing 3' down from surface. Weld HP collar onto surface to tap. Flow increased around surface and had to use vacuum truck to keep cellar empty. Open up tubing and decreased the flow. Left 2" open over night. Shut down and arrive at motel
9:00 P.M.

5-10-81 Leave motel @ 7:00 A.M.

Check pits and water flow. Small amount of water in cellar. Meeting w/Otis Engineering, Halliburton Baker Tools, and Go Wireline.

5-11-81 Leave Motel @ 7:00 A.M.

Meet with Baker Tools and Halliburton on location. Joe Ryan w/Halco suggested we dig out surface as far as backhole could go, because it had been his experience

that the surface could have a hole in it approx. 8' down. Sure enough we found a hole approx. the size of 1/2 dollar 7'down. Used welder and patched hole. Rig up surface valve to surface. Surface valve 7' down on east side of surface casing. Close in tubing. Water started out line from surface casing. Close surface valve. No indication of flow around outside of surface casing, but well is really not pressured up good. Fill up collar with rock and build foundation for well service unit.
Rig up machine and unseat packer. Pull packer and SN and 11 jts. of tubing. Shut down. Leave well flowing to pits overnight. Arrive @ motel 7:00 P.M.

5-12-81 Leave motel 7:00 A.M.
Purchased new 4 1/2" Larkin SR - 2000# Fig. 92 head @ Union Supply. Couldn't find stripper rubber for Walker type "KR" Tulsa, Oklahoma.
Changed out head on casing. Pickup Baker 4 1/2" full bore w/unloader on top. Number and tally all tubing in the hole. Run tubing as number.
Test for leak in casing while running tubing and packer.

1st Test - 20 jts. + SN + packer. Set packer @ 594.70' Top salt formation 567' - flow below packer.
2nd Test - 30 jts. + SN + packer. Set packer @ 883.21'. Flow below packer.
3rd Test - 38 jts. + SN + packer. Set @ 1,176.56' (Tally) Flow below packer.
4th Test - 48 jts. + SN + packer. Set @ 1,410.51' Top B. Salt 1425'. Flow below packer.
5th Test - 55 jts. + SN + packer. Set @ 1,611.94' (Tally) Top B. salt @ 1,425' Flow below packer. Top Yates @ 1,575'.
6th Test - 65 jts. + SN + packer. Set @ 1,900.08' Flow below packer.
7th Test - 78 jts. + SN + packer. Set @ 2,275.76' Flow below packer.
8th Test - 88 jts. + SN + packer. Set @ 2,563.73' (Tally) Top Queen 2,365'.
9th Test - 100 jts. + SN + packer. Set @ 2,911.68'. Flow below packer.
Casing no flow.
Surface no flow.
TP - 1150 psi @ 1:45 P.M.
TP - 1400 psi @ 3:45 P.M.
No communication between tubing casing or casing and surface. Halliburton recommended pulling 4 jts. out to squeeze 96 jts. of tubing + SN + packer 2,795.93'.

Halliburton Services:
Packer Set @ 2,796'
Possible bad pipe @ 3,000 - 3,020'.
Perfs @ 3,048' - 54' 24 holes.
3,060' - 66' 24 holes.
TD @ 3,088'.

Pumped into casing @ 1 bpm @ 1,000 psi. Well circulated out surface pipe.

Pump into tubing @ 3 bpm @ 1,800 psi - No communication from surface or casing.

Cement well w/200 sks. Reg. "H" w/6% gel and 200 sks. Reg "H" w/6# salt and 10# No. 3 sand and 3/4 of 1% CFR-2. Displace 2 1/2 bbls. past end of tools @ 2 bpm @ 2,600 psi. ISIP - 2,600 psi.

Note: Mr. B.W. Weaver, Jr. w/State of New Mexico Energy and Minerals Dept. came by location while we were waiting for cement.

Mr. Weaver wanted to know if we intended to plug and abandon or T.A. I told hime our basic concern was to get the water flow shut off and then we would think about what we were going to do next. I gave him all the information concerning the well (perfs., T.D. and possible bad pipe, packer depth and cement), and asked him what the State of New Mexico required as far as a bottom plug in case we decided to plug for abandon. Mr. Weaver said that with out packer setting depth and the amount of cement being used, that this would satisfy the State as a bottom plug.

L. D. Wells will not inject into off-set injection wells for a week or until Joe comes next week. He will be putting his water in wells # 11-1, 6-1 and 16-5, and continue to produce the lease.

Mr. Wells will also take care of getting tubing and rods moved to yard and supervise getting location cleaned up and all pits covered.

5-13-81 Checked out of motel @ 7:00 A.M.

Picked up 4 1/2" x 2" swedge @ Union Supply. Released pressure on tubing. Cement job holding. Pull 96 jts. of tubing and Baker 4 1/2" full bore packer out of the hole. Break off tubing head and close well in w/4 1/2" swedge and 2" valve. Released well service unit.

Note: New 4 1/2" x 2" Larking SR tubing head and 4 1/2" Halliburton R-4 packer was loaded in pickup and brought back to Wichita Falls, Texas. These items will be serviced, transferred and credited to lease.

Left location @ 11:30 A.M. for trip to Archer City, Texas .