

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

FORM APPROVED
1004-0135
November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
SAGA PETROLEUM LLC

3a. Address
415 W WALL, SUITE 1900, MIDLAND, TX 79701

3b. Phone No. (include area code)
(915)684-4293

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1310' FSL & 360' FWL
SEC 4 (M), T16S, R30E

Serial No.

LC 060388
88210-2834

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

AGREEMENT 8910087730

8. Well Name and No.

W HENSHAW PREMIER UT #107

9. API Well No.

30-015-31493

10. Field and Pool, or Exploratory Area

W HENSHAW GRAYBURG

11. County or Parish, State

EDDY

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Spud, csg, cmt
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

United Drig Rig #4 Spud 12-1/4" hole @ 9:30 PM 1-22-2001. Ran 11 jts 8-5/8" 23# J55 8rd csg w/Texas Pattern guide shoe & insert float in top of shoe jt, centralizers on shoe jt, 3rd, 6th & 8th jts. Cmt basket @ 268'. Set csg @ 463' KB (456") Cmtd w/350 sx Class C w/ 2% CaCl. Cmt circ to surface, circ out 60 sx. PD @ 12:30 PM MST 1-23-2001. WOC

Drld 7-7/8" hole to TD 2914' reached @ 10:00 PM MST 1-26-01. Loggers TD 2900'.Ran 65 jts (2899.10') 5-1/2" 14# J55 ST &C csg, set @ 2895.10' Gr. FC @ 2850'-51', marker collar @ 2445'-46', 1st cmt basket @ 2401', 10 centralizers @ middle of shoe jt, then every other jt. Cmtd w/382 sx 35:65 Poz Class C w/5% D44, 6% D20 & 1/4 PPS D29, tailed in w/200 sx Class C +0.15% D167 & 0.6% D65, displaced w/500 gals 10% Acetic acid + 58 bbls 2% KCI FW, PD @ 6:00 PM MST 1-28-01, circ 67 sx cmt to surface. WOC

2-2-01 Perf'd 2769'-2787' w/1 JSPF - 19 holes. Displaced acid into perms w/12 bbls 2% KCI @ 1650 psi - 0.5 BPM, 10 mins SICP 1200 psi.

2-4-01 TIH w/82 jts 2-7/8" & 5-1/2" tension pkr w/SN, set pkr @ 2699.89'.

Continued on back - logs enclosed - Inclination report enclosed

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

Name (Printed/Typed)

Bonnie Husband

Signature

Bonnie Husband

Title

Production Analyst

Date

02/16/2001

ACCEPTED FOR RECORD

FEB 27 2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

BLM

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

- 02-06 MIRU Schlumberger frac equip. Press test frac lines to 6000 psi., **frac'd perfs 2769'-2787'** dwn 2-7/8" tbg as follows:
- 1) Pumped 500 gals 15% NEFE, caught press after 1 bbl, inc rate to 9.8 BPM @ 2559 psi.
 - 2) Pumped 7480 gals YF120 2% KCl FW w/20#/1000 gal FLA, inc inj rate to 15.3 BPM @ 2504 psi
 - 3) Started pumping 16/30 mesh sd @ 1 ppg - press 2737 psi @ 15.3 BPM - sd on perfs press 2701 psi @ 14.8 BPM
 - 3) Ramped sd up from 1 ppg to 6 ppg
 - 4) 2 ppg on perfs - pressure 2710 psi @ 15.5 BPM
 - 5) 3 ppg on perfs - pressure 2737 psi @ 15.5 BPM
 - 6) 4 ppg on perfs - pressure 2943 psi @ 15.5 BPM
 - 7) Press inc rapidly after pumping 535 gals of 5#, went to flush, well screened out after 1 bbl. Press hit 5000#, csg-tbg communicated. Pop off on csg was set @ 1000#.
- Total of 9627# 16/30 sd pumping in 4562 gals YF120. ISIP 1602 psi, 5 mins SIP 1405 psi, 10 mins SIP 1337 psi, 15 mins 1277 psi. Closed well in. RD & released Schlumberger. 300 BLWTR.** MIRU Basic PU. RU pump trk w/2% KCl to csg. SITP 650 psi. SICP 700 psi. Opened tbg 1st to pit - press on tbg & csg immediately went to 0. Start pumping on csg @ 3/4 BPM - 200 psi - circulating out tbg - sd - pumped capacity - cleaned up. RD pump. Released tension pkr (still was set). SOOH - drag for 4 stds then came free - on 29th jt out - found 10" split in tbg - 1/2" wide. Continue POOH w/tbg & pkr. Pkr ok.
- 02-07 12 hr SICP 400 psi - bled off - all wtr - running over. PU notched collar & TIH on 2-7/8" tbg - tag up @ 2768' - circ sd out to PBDT @ 2842' w/2% KCl wtr. RD pump trk. POOH w/notched collar on 2-7/8" tbg. MIRU Phil's Tbg Testers - TIH testing to 7000 psi as follows:
- 1 jt 2-7/8" BPMA - 2801'-2832'
 - 4' x 2-7/8" PS - 2797'-2801'
 - 2-7/8" SN - 2796'-2797'
 - 85 jts - 2-7/8" J55 - 10'-2796'
 - 10' 2-7/8" sub - 0'-10' **EOT 2832'**
- All tbg test good. RD tbg testers. Remove BOP & flange up WH. Well still running over w/trace oil. RU swab. FL 1st run - surface. After 7 runs - FL @ 1200' - going dwn each run - all wtr. Total swab for day recovered 80 bbls w/trace oil, 11 runs - end FL 1500' - going dwn slowly. **220 BLTR**
- 02-08 **220 BLTR** - 13 hrs SITP 100 psi, SICP 50 psi. Continue swab. FL 1st run 100' from surface - 150' oil on top - rest wtr w/ trace oil. Made 6 runs, recovered 1/2 bbl oil, 45 bbls wtr. FL @ 1500'. RD swab. Unflange WH - pull & LD 5 jts 2-7/8" tbg. Flange up WH. Production tbg as follows:
- 1 jt - 2-7/8" BPMA 2631' - 2662'
 - 4' - 2-7/8" PS 2627' - 2631'
 - 2-7/8" SN 2626' - 2627'
 - 80 jts - 2-7/8" J-55 0' - 2626'
 - EOT @ 2662'
- Top perf @ 2769' - SN depth now @ 2626' - 143' above top perf. RU swab & continue swabbing. FL @ 1000' - made 5 runs - recovered 40 BW w/ trace of oil. Ending FL @ 2100'. Total swab today - 11 runs - recovered 85 BW. 1/2 BO. Underload wtr 135 bbls. RD swab. RIH w/ rods & pmp as follows:
- 2-1/2" x 1-3/4" x 12' RHBC w/ 40 PA Plgr w/ 12' GAC
 - 104 3/4" steel rods
 - 6' 3/4" steel rods
 - 1-1/4" x 16' PR w/ 1-1/4" x 1-1/2" x 8' liner
- Spaced out & put on production @ 2:00 pm. Pmp'g good. Too windy to RDPU. Still pmp'g good @ 5:00 pm. SDON.
- 02-10 Produced 25 BO & 158 BW, pumping good. **Recovered 130 bbls overload.** 54" stroke w/10 SPM. 1-3/4" pump w/PA plgr.