

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELL ABANDONMENT
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)
1980 FNL & 1980 FWL
Sec. 13 (F), T20S, R27E

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Potts Federal #2

9. API Well No.
30-015-23124

10. Field and Pool, or Exploratory Area
Burton Flat Morrow

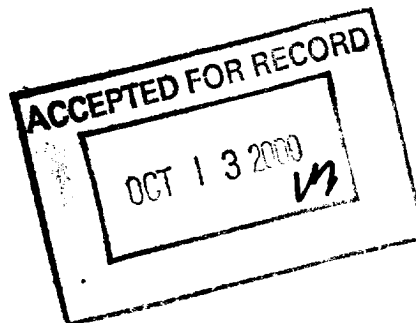
11. County or Parish, State
Eddy
NM

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 checked="" 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 type="checkbox"/> Other _____
	<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.)

See back of form for report - Cmt Sqz etc Also enclosed is 4 point CAO F test



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Bonnie Husband

Signature

Bonnie Husband

Title

Prod Analyst

Date

09/15/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

Office

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)

- 6-20 MIRU pulling unit, Unload 96 jts 2-3/8" N80 tbg, (yellow band from Action Pipe & Equip) Unflange WH. Tally tbg. Install BOP, Ran ? OD (?) collars on btm of 1" jt tbg & begin PU tbg. Tag up w/27' on 93rd jt of tbg RIH. 2912' (no KB). POOH standing back tbg. SION
- 6-21 PU & GIH w/4-3/4" bit, 6- 3-1/2" DC's & tbg to cmt retainer @ 2925'. RU reverse unit & PU power swivel. Drld out retainer, continue GIH to 3003'. Circ well clean. Close rams & established injection rate into perf's 2973'-2989' @ 3-1/2 BPM @ 200 psi. POOH w/bit, DC's & tbg
- 6-22 RIH w/Arrowset 2-3/8" x 5-1/2" tension pkr to 2870'. Pumped 75 sx Class C w/3% CaCl cmt sqz into perfs 2973'-2987' @ 3-1/2 BPM @ 900 psi. When cmt cleared pkr, stage sqzd to 1400#. Op the bypass & reversed out w/22 bbls FW. Close bypass, pressure up on cmt to 1000#. SION
- 6-23 Release pkr & POOH. PU bit w/collars & TIH w/2-3/8" WS tbg, tag cmt top @ 2877'. PU swivel & drill out cmt to 2955' (perfs 2973'-2989'). Drld dwn to 2955', 18' above top perf, cmt still soft, Circ clean & press to 350 psi & SION
- 6-24 Finish drlg out cmt sqz to 3003'. Close rams & test sqz to 500 psi, ok. Drld out cmt & cmt retainer @ 3004' & begin drlg cmt @ 3020'. Drld out of cmt @ 3080'. Close rams & test sqzd perfs 3066' to 3077', 500 psi, ok. POOH & stand 2-3/8" tbg in derrick. PU & GIH w/4-3/4" bit & DC's. PU 137 jts 2-7/8" N80 WS & continue GIH to 4409'. Closed rams & tested 5-1/2" csg to 500 psi, ok. Begin drlg cmt @ 4409', drld to 4415', drld cmt & cmt retainer @ 4415',
- 6-27 Continue drlg out cmt from 4408' to 4508', circ clean, press test to 500 psi, ok. TIH to 4581', tag retainer, drld out to 4650'. Press test to 500 psi, ok. PU 110 jts 2-7/8" tbg. SION
- 6-28 Continue PU 2-7/8" WS, tag retainer @ 8701', Continue drlg out cmt & retainer to 8810', circ clean @ 8841', press test to 500 psi, ok. RD swivel & POOH w/281 jts 2-7/8" tbg SION
- 6-29 PU tbg & GIH w/new bit, tag cmt @ 9980'. Drl hard cmt to 10,200', start drl on CIBP @ 10,220', add clay stabilizer to KCL wtr. Circ hole clean & SDON
- 6-30 Changed out csg valve, RU power swivel, drl cmt to 10,200' - 10,261', press test to 500 psi, ok. Continue GIH, tag cmt @ 10,601', drl to 10,727' (top of CIBP), continue GIH to 11,144', circ well clean w/265 bbls 2% KCL w/clay stabilizer. Start OOH, LD 150 jts 2-7/8" tbg WS. SION
- 7-1 LD 2-7/8" tbg WS & 6 DC's, PU & GIH w/1.78" R profile nipple, 10' tbg sub, 1.81" F profile nipple, 10' tbg sub & 5-1/2" x 2-3/8" Arrowset pkr w/on-off tool & 1.78" R profile nipple & 341 jts 2-3/8" 4.7# EUE 8rd tbg. ND BOP, set pkr @ 10,782'. NU tree, RU to swab, IFL @ 3000'. Made 8 swab runs, swabbed well dry
- 7-6 SITP 50 psi, IFL 7500', swabbed from 7500' to SN @ 10,782', made 2 runs w/good gas. SD 30 mins, had 500' fluid entry, weak blow gas. SD 1 hr, swabbed, tag up @ 10,400', SION
- 7-7 SITP 700 psi. RU perforating co, RIH & run collar locator from 11,130'-10,640'. Perf Morrow @ 10,853'-56', 10,861'-73', 10,904'-16' & 10,962'-10,974' w/1JSPF, 40 holes. RD perforators. RIH w/swab, scattered fluid below 8000', swabbed well dry to SN @ 10,781', no fluid in hole on 3rd run, wait 1 hr, rec 300' fluid, good blow. SION
- 7-8 SITP 1100 psi. Bled well dwn. RU acidizers. Acidized well w/1500 gal 15% acid & 1500 gal methanol w/anti-sludge agent & clay stabilizers w/100 ball sealers. Max press 5400#, min 5040#. Max rate 5.4 BPM, min 5 BPM. Good ball action w/several small breaks. Flushed to btm perf w/2% KCL wtr. Final pumping press 5100 # @ 5.3 BPM. ISDP 2200#, After 5 mins, vac. Total load to rec 128 bbls. RD acid trks. Started swabbing. FL @ 2100' on 1st run, swabbed to SN w/8 swab runs. Made 3 more swab runs (1 run/hr) Rec 1-1-1/2 BPH. SWI & SDON
- 7-13 SI FOR BHBU
 SITP: 974 psia
 Perf interval: 10,852'-10,974'
 Perf mid-point: 10,913'
 BHT: 178°F
 SIBHP @ 10,913': 1753 psia
 FL @ : 9,717' FS
 Gradient of fluid: 0.434 psi/ft

