

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

C157

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

type other description or delete

2. Name of Operator

Ocean Energy, Inc.

3. Address and Telephone No.

1001 Fannin, Suite 1600, Houston, Texas 77002 (713) 265-6834 or 6000

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

1700' FNL & 1750' FEL, Sec. 20, T18S, R31E

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Shugart "20" Federal #1

9. API Well No.

30-015-30982

10. Field and Pool, or Exploratory Area

N Shugart-Morrow

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

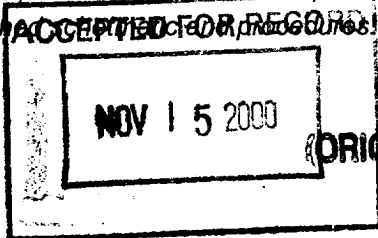
TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Add perms to existing  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

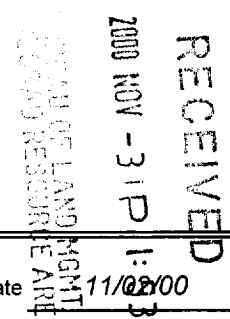
(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. 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.)\*

Add additional perforation to the present completion in the Morrow. Current perms are 11731-11746'. Plan to add perms 11667-678', 11645-662', 11614-618', 11602-610' \* 11,588-594'. Frac new perforations and then clean out wellbore to PBTD. See attached for procedures.



(ORIG. SGD.) GARY GOURLEY



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

Signed Jeanie McMillan

Title Regulatory Specialist

Date 11/02/00

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Shugart "20" Federal #1  
1700' FNL & 1750' FEL  
Sec. 20, T-18-S, R-31-E  
Eddy Co., NM

October 25, 2000  
Perf and Frac Additional Morrow

RECEIVED  
2000 NOV -31 P 1:53  
BUREAU OF LAND MGMT.  
ADJUTANT GENERAL'S OFFICE

Current Production: 1.6 MMcfpd, FTP = 700 psi on 26/64" ck.

Proposed Perfs: 11,667-78', 11645-62', 11614-18', 11602-10', 11588-94'

- 1) RU SL unit. TIH w/ sinker bars and tag PBD. POOH and RD SL unit.
- 2) RU kill truck loaded w/2% KCl water to tree. Mix and pump enough 20/40 sand in 2% KCl water to fill casing from PBD to 11,690'. Allow sand to settle overnight.
- 3) RU SL unit. TIH w/sinker bars and tag PBD. POOH. Dump bail sand if necessary to add height, or bail out sand to subtract (as long as it isn't too much). Be sure sand depth is adequate to perforate lowermost interval 11,667-78'.
  - a) 20/40 sand fill in 5-1/2", 17# casing - 0.0717 lb/lin. ft.
- 4) Run a brush through tbg to clean out any residual sand. TIH w/1.875" blanking plug and set same in "R" nipple below packer at +11,510'. RD slickline unit. Bleed pressure from tbg to ensure plug is holding.
- 5) MIRU workover rig. ND tree and NU BOP's. Test BOP's to 3000 psi. Release from Baker L-10 on/off tool at 11,497'. POOH and LD 2-3/8" tbg. C/O BOP rams to 3-1/2".
- 6) PU redressed receptacle and TIH on 3-1/2", 12.95# P-110 PH-6 workstring. Latch back onto on/off tool. Land tbg in approx. 40K lbs compression. Test annulus to 4000 psi.
- 7) RU SL unit. TIH and pull blanking plug from "R" nipple at 11,510'. RD SL unit.
- 8) RU WL. NU full 5M lubricator. RIH w/1-11/16" EnerJet gamma/gun (loaded 2 spf 180 degree phasing). Correlate depth. Perforate Morrow from 11,667-78', 11,645-62', 11,614-18', 11,602-10' and 11,588-94'. POOH. Report tbg pressure after perforating.
  - a) Depth Reference: Reeves CNL Run #1 dated 8/6/00.
- 9) RU BJ Services. RU kill truck to annulus. Load annulus w/ 2% KCl water and apply 3000 psi. Monitor pressure throughout frac job. Test lines to 13,000 psi. Frac well as per the attached BJ recommendation. Record max and avg treating rates and pressures as well as ISIP and 5, 10, 15 min. pressures. RD BJ and NU flowback equipment.
- 10) Open well on 10/64" choke and begin flowing back frac load. Open choke as necessary to optimize fluid recovery. Allow well to thoroughly clean up before shutting in. Record SI pressures when available.
- 11) RU SL unit. Run a brush through the tubing to remove any sand in the tbg. TIH w/blanking plug and set same in 1.875" "R" nipple at 11,510'. Bleed pressure from tbg to ensure plug is holding.

- 12) Release from on/off tool and POOH & LD 3-1/2" tbg. C/O BOP rams to 2-3/8". PU redressed receptacle and RIH on 2-3/8" production tubing. Circulate hole w/250 bbls 2% KCl water treated w/oxygen scavenger/biocide for packer fluid. Tie onto Baker L-10 on/off tool @ 11,497' and space out to land tbg in 10-12K lbs compression.
- 13) Land tbg. ND BOP's and NU tree. Test annulus to 1500 psi.
- 14) RU SL unit. Pull blanking plug from "R" nipple @ 11,510'. TIH w/sinker bars and tag PBTD. Continue w/step 15 if sand is covering lower perfs. Otherwise release rig and PWOL.
- 15) RU 1-1/4" CT unit. ND tree cap and NU CT BOP's. MU jetting tool on CT and NU injector head. Test CT BOP's to 3000 psi against lower master valve.
- 16) Open well and TIH w/jetting tool. Circ. at minimum rate while TIH. Clean out sand to PBTD at 11,839'. Jet well dry w/N2 from PBTD. POOH w/CT.
- 17) ND injector head and CT BOP's. NU tree cap. RD and release CT unit.
- 18) PWOL. Obtain potential test when production rate has stabilized.

RECEIVED  
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BUREAU OF LAND MGMT.  
LAND AND RESOURCE AREA

Shugart 20 Federal #1  
1700' FNL & 1750' FEL  
Sec. 20, T-18-S, R-31-E  
Eddy Co., NM

Elevation: 3642' GL, 3660' KB

## Current Configuration

Spud date: 7/5/00  
Completion Date: 8/24/00

### Completion:

**8/24** -- Perfd Morrow 11,731-46' 4 spf 180 deg. phasing using 1-11/16" Pivot Gun. Slight blow after perforating. SIWFN. 12 SITP - 2100 psi. Opened well on 24/64" choke and well unloaded 20 bbls mud and started increasing in rate. Left well flowing while cleaning up.

**8/28** -- 12 SITP 3000 psi. Acidized w/1000 gals 7.5% HCl + methanol and N<sub>2</sub>. Well showed slight improvement after recovering load.

**9/4/00** -- Frac'd Morrow w/43,500 gals 70 quality binary foam w/49,890# 20/40 interprop. Recovered load. 8 hr SITP 3400 psi. IP after frac 2.5 MMcfpd w/1700 psi FTP on 16/64" ck.

13-3/8", 48#, H-40 ST&C  
@ 674' Cmt'd w/622 sx -  
circ'd to surface

8-5/8", 32#, K-55 LT&C and  
ST&C @ 4420' Cmt'd w/  
1500 sx - circ'd to surf.

TOC - 5750' (CBL)

Packer Fluid - 2% KCl water treated with  
oxygen scavenger and biocide.

DV Tool @ 8097'

TOC - 8350' (CBL)

354 jts 2-3/8", 4.7# L-80 EUE 8rd tubing

Baker L-10 on/off tool w/1.875 "F" profile

Arrowset I pkr @ 11,498'  
8' 2-3/8", 4.7 # L-80 pup joint

1.875" Baker "R" nipple

WL entry guide

Morrow Perfs:

11,731-46'

Proposed Morrow Perfs: 11,588-94', 11,602-  
10', 11,614-18', 11,645-62', 11,667-78' (2 spf)

5-1/2", 17# P-110/S-95  
& L-80 LT&C @ 11,850'  
Cmt'd w/1310 sx

TD: 11,850'  
PBTD: 11,839' (WL)

RPE 10/25/00

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LAND RESOURCE AREA