

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. DIVISION OF OIL & GAS
1301 W. Grand Avenue
Artesia, NM 88210

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

C/SK

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

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

3300' FSL, 1980' FWL, Sec. 5, T16S, R28E

5. Lease Designation and Serial No.

NM-33277

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Derrick Federal Com. #3

9. API Well No.

30-015-31440

10. Field and Pool, or Exploratory Area

Diamond Mound 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

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

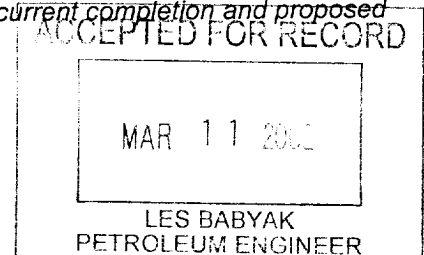
☐ Dispose Water

(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.)*

Recomplete in the Morrow.

Attached are the proposed recompletion procedures and wellbore schematics showing current completion and proposed completion.



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

Signed

Jeannie McMillan

Title Regulatory Specialist

Date 03/05/02

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

*See Instructions on Reverse Side

**Derrick Federal Com #3
3300' FSL & 1980' FWL
Sec. 5, T-16-S, R-28-E
Eddy Co., NM**

**February 5, 2002
Recomplete in the Morrow**

**Current Production: Morrow (9106-18') Avg rate 130 Mcfpd (liquid loading)
Proposed Perfs: Morrow: 9018-22' & 9042-45' (6spf)**

- 1) Test anchors. Send test results to Midland office for well file. Record SITP, production, intermediate and surface casing pressures.
- 2) MIRU completion rig. Kill well if necessary w/2% KCl water. ND tree and NU BOP's. Test BOP's to 3000 psi.
- 3) Release Arrowset pkr at 9,026' and POOH w/2-3/8" tbg. LD pkr and TCP assy (guns were shifted off).
- 4) MIRU WL unit. NU lubricator and test to 3000 psi. TIH w/4-3/4" GR/junk basket to approximately 9100'. POOH and PU 5-1/2" 17# CIBP and set same at 9100'. Dump bail 15' of cmt on top of CIBP.
 - a) Depth reference: Computalog CBL/GR/CCL, Run #1, 9/19/00.
- 5) MU no-go on 2-3/8" tbg and TIH w/tbg open-ended to 9150'. Pump a Mr. Clean job consisting of 200 gals of xylene followed by 5 bbl 2% KCl followed by 500 gals of 7-1/2% inhibited HCL. Reverse circulate the job. Displace w/clean 2% KCl water.
- 6) RU swab and swab FL to 2500'. POOH w/tbg.
- 7) MU 3-3/8" casing guns w/CCL and perforate the Morrow from 9018-22' and 9042-45' (0.37" hole dia, 60 degree phasing). Report pressure response after perforating each interval. ND lubricator and RD WL unit. Report overnight SICP.
 - a) Depth reference: Computalog CBL/GR/CCL, Run #1, 9/19/00. The CBL is on depth with the open hole logs. There is a short joint at 8724' for depth correlation.
 - b) Remove all non-essential personnel prior to making up perf guns.
- 8) Make up on/off tool and Arrowset packer on 2-3/8" tbg. TIH w/packer to 8950'. Set pkr and test annulus to 1500 psi.
- 9) RU swab and swab test Morrow.
- 10) RU BJ Services. Lay treating line. NU flow back manifold. Lay flare/bleed down line to pit and stake it securely. Test all lines to 8000 psi. Break down perfs and acidize Morrow w/1000 gals of 7-1/2% NEFE Morrow acid. Do not energize acid with nitrogen. Pump into perfs at as high a rate as possible. Displace acid in tbg w/2% KCl water. RD BJ.
 - a) Record ISIP as well as 5, 10 and 15 minute leakoff pressures. This data will be used to refine the frac design.
- 11) RU swab and swab back acid load. Flow well to pit and allow it to clean up thoroughly. Report rates and pressures during clean up.
- 12) Kill well w/clean 2% KCL water. Release pkr and POOH w/tbg.
- 13) Spot one clean frac tank and fill w/365 bbls 2% KCl water and 65 bbls of Methanol. Spot 2 CO2 portables containing a total of 100 tons of CO2.

- 14) MIRU BJ Services frac equipment. NU frac stack and 5-1/2" csg saver. NU flowback/test equipment. Hold safety meeting. Test all lines to 10,000 psi. Apply 1000 psi to 5-1/2" X 8-5/8" annulus and monitor casing pressure throughout frac treatment.
- 15) Load the casing and ramp the rate up to 20 bpm. Frac the Morrow down 5-1/2" casing at a rate of 20 bpm using 42,000 gals of 65 quality binary foam carrying 41,500# of 20/40 Interprop. See BJ Services proposal 180652939A for pumping schedule. **Do not exceed a maximum surface treating pressure of 7000 psi during treatment.** Flush to top perf. SD pumps. Record ISIP and monitor leakoff for 15 minutes. **Hold safety meeting prior to rigging down.** Bleed pressure from 5-1/2" X 8-5/8" annulus. RD BJ and ND tree saver.
- 16) Open the well on a 10/64" choke initially and allow well to clean up to pit. Adjust choke size to maximize fluid recovery and minimize sand flowback. When fluid volumes diminish, put well through test separator and report well tests while cleaning up.
- 17) When well has recovered frac load, or has stopped producing fluid, SI well. Release test equipment. MIRU WL unit. NU 5M lubricator. Test lubricator to 3000 psi. RIH w/5-1/2" Arrowset 1X pkr w/Weatherford T-2 on/off tool with 1.875" Baker "F" profile (1.87" FSG blanking plug in place). Run 10' of tailpipe with WL entry guide. Set pkr at 8,950'. POOH w/WL. ND lubricator and RD WL unit.
 - a) Note FL while TIH w/pkr. If no FL was tagged, pump 50 bbls of 2% KCl water down casing prior to RIH w/tbg.
- 18) ND frac stack. MU on/off tool receptacle and RIH on 2-3/8", 4.7# L-80 EUE 8rd tbg. Reverse circulate hole clean and pump 160 bbls of pkr fluid. Engage on/off tool. Land tbg and test annulus to 1500 psi. ND BOP's and NU tree. Test tree flange to 5000 psi.
- 19) Swab FL down to at least 3000'.
- 20) RU SL unit. RIH and pull equalizing prong from blanking plug at +/-8,949'. Allow tbg pressure to stabilize. TIH w/fishing tool and pull blanking plug. RD SL unit. Unload well to pit. Swab if necessary.
- 21) Obtain gas and condensate samples for analysis when CO2 concentrations diminish.
- 22) RD and release workover rig. Turn well over to Production personnel.

Derrick Federal Com #
3300' FSL & 1980' FWL
Sec. 5, T-16-S, R-28-E
Eddy Co., NM
Elevation: 3655' GL, 3671' KB

Current Completion

Spud Date: 8/11/00
Completion Date: 9/22/00

Completion

9/00 - Perforated Morrow 9106-18' using TCP guns loaded 6 spf 60 degree phasing 32g charges. Had water cushion to surface in 1 minute. Mud to surface in 1.5 min. Choke plugged off w/mud. Tbg pressure built to 3400 psi in 3 minutes. IP: 2.0 MMcfpd FTP - 3200 psi on 9/64" ck. Initial static BHP recorded at 4223 psi from "dip in".

12/00 - Set 3/4" downhole choke in "F" nipple at 9025' to eliminate hydrate formation in tubing.

4/01 - Pulled 3/4" downhole choke. Put well back online.

9/01 - Shifted TCP guns off.

13-3/8", 48#, H-40 ST&C
@ 500' Cmt'd w/440sx
Cmt did not circulate.
Topped out w/1" tbg to surface.

8-5/8", 32#, HCK-55 LT&C
@ 2007' Cmt'd w/ 805 sx
Circ'd to surface.

Packer Fluid - 2% KCl w/O2 scavenger and biocide

TOC - 5740' (CBL)

Tubing Detail:

8' 2-3/8" L-80 EUE 8rd sub
276 jts 2-3/8", 4.7#, L-80 EUE 8rd tbg

6' marker sub 1 jt above on/off tool

Baker L-10 on/off tool w/1.875" "F"
profile nipple (w/3/4" downhole choke)

Arrowset I retrievable packer @ 9026

Set in 15K lbs compression

Spacer - 1 jt 2-3/8" L80 tbg

Bar vent assy.

Mechanical tubing release

Spacer - 1 jt 2-3/8" L80 tbg

Mechanical firing head

TCP gun assy. loaded 6 spf 60 deg.

Morrow:
9106-18'
6spf

5-1/2", 17# L-80 @
9250' Cmt'd w/ 765 sx

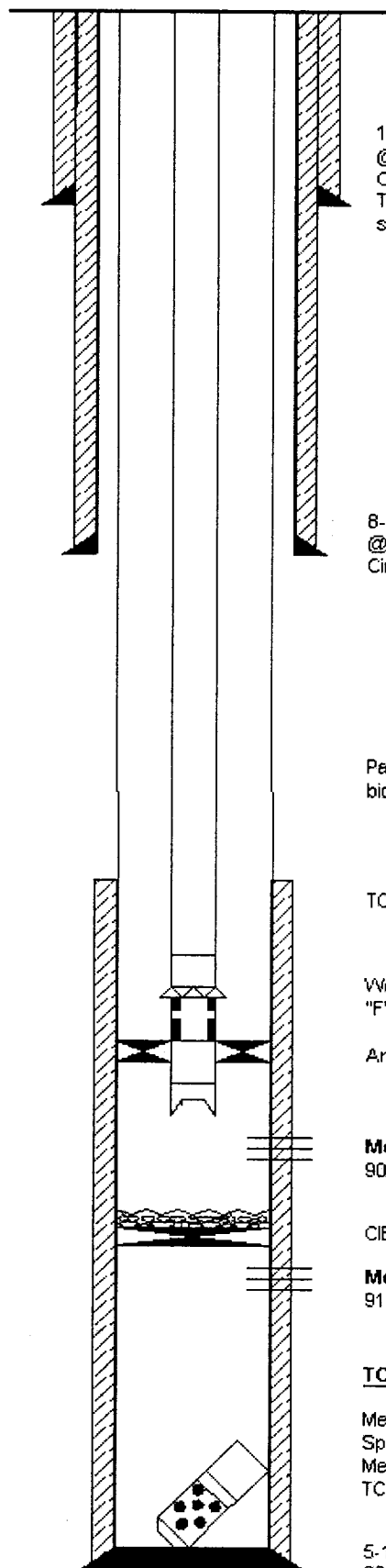
TD: 9250'
PBTD: 9217' (Tbg tally)

RPE 1/14/02

Derrick Federal Com #
3300' FSL & 1980' FWL
Sec. 5, T-16-S, R-28-E
Eddy Co., NM
Elevation: 3655' GL, 3671' KB

Proposed Completion

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Completion Date: 9/22/00



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Circ'd to surface.

Packer Fluid - 2% KCl w/O2 scavenger and
biocide

TOC - 5740' (CBL)

Weatherford T-2 on/off tool w/1.875"
"F" profile

Arrowset 1X pkr @ 8950'

Morrow Perfs:
9016-22' & 9042-45' (6spf)

CIBP @ 9100' w/15' cmt

Morrow Perfs:
9106-18' (6spf)

TCP Assy Left in Hole:

Mechanical tubing release
Spacer - 1 jt 2-3/8" L80 tbg
Mechanical firing head
TCP gun assy. loaded 6 spf 60 deg.

5-1/2", 17# L-80 @
9250' Cmt'd w/ 765 sx

Completion

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2-3/8", 4.7#, L-80 EUE 8rd tbg

TD: 9250'
PBTD: 9217' (Tbg tally)