Ca. / FYI

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Designation and Serial No.: *NMNM 82992*

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation: *Burton Flat Deep Unit*

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other *type other description or delete*

8. Well Name and No.: *BFDU #2*

2. Name of Operator: *Ocean Energy, Inc.*

9. API Well No.: *30-015-20762*

3. Address and Telephone No.: *1001 Fannin, Suite 1600, Houston, TX 77002* *(713) 265-6834*

10. Field and Pool, or Exploratory Area: *Burton Flat Strawn/Burton Flat Morrow*

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): *Unit F, Sec. 2, T21S, R27E, 1275' FNL & 1980' FWL*

11. County or Parish, State: *Eddy County, NM*

RECEIVED OCD ARTESIA

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[X] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other	[ ] 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 based on the attached recompletion procedure. Attached are current and proposed schematics.

14. I hereby certify that the foregoing is true and correct
Signed: Janice McMillan Title: *Regulatory Specialist* Date: *11/30/01*

(This space for Federal or State office use)
Approved by: Alexis C. Swoboda Title: PETROLEUM ENGINEER Date: Jan. 22, 2002
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

Burton Flat Deep Unit #2
1275' FNL & 1980' FWL
Sec. 2, T-21-S, R-27-E
Eddy Co., NM

July 18, 2001
Recomplete in the Strawn

Current Production: 60 Mcfpd (Bone Spring)
Proposed Perfs: 10,512-24', 10536-39'
Anticipated initial production: 500 Mcfpd

1) Clean location. Test anchors and send results to Midland office for well files. MIRU workover rig. ND tree and NU 5M BOP's dressed w/2-7/8" rams. Test BOP's to 3000 psi. Send tree to Wood Group in Odessa to be inspected, serviced and tested.
2) Kill well w/2% KCl water if necessary. Release Baker Loc-Set pkr @ 5318' and POOH. LD pkr.
3) RU WL and NU lubricator. RIH w/5-1/2" cmt retainer and set it at ±5330'. RD WL.
4) PU stinger and TIH on 2-7/8" 6.5# L-80 EUE 8rd tbg to 5330'. Circulate hole with clean 2% KCL water and test csg to 2500 psi.
5) Sting into retainer and shift to test tbg to 5000 psi. Sting fully into retainer and establish injection rate. Squeeze Bone Spring perfs as per the attached recommendation from BJ Services. Try to obtain a final squeeze pressure of 1500 psi above the initial injection pressure. Sting out of retainer and reverse out 1.5 tbg volumes. POOH and LD stinger. WOC 24 hrs prior to drilling out.
   a) If an acceptable squeeze pressure is not achieved, overdisplace cmt with 5 bbls of water. Resqueeze after WOC for at least 6 hrs.
6) PU 4-3/4" bit and 6 3-1/2" DC's on 2-3/8" tbg and TIH. DO retainer and cmt and clean out to at least 6100'. Pressure test squeeze to 2500 psi.
7) Continue TIH and tag cmt plug at 8640'. RU pwr swivel. DO cmt plugs from 8640'-8940', 9870'- 10,179' and 10,330' -10,630'. Continue TIH to CIBP and cmt at ±10,684'. Drill cmt to CIBP @ 10,719'. CHC. RD pwr swivel. POOH and LD bit.
   a) Pressure test csg to 2500 psi after DO each cmt plug.
8) PU 4-3/4" bit and 5-1/2" csg scraper and TIH to CIBP @ 10,719'. CBU. POOH and LD scraper.
9) PU 1 jt of washpipe and burning shoe and TIH. RU power swivel. Burn over CIBP and tag top of Perma-latch packer at 10,730'. RD pwr swivel and POOH.
   a) BHP in the Morrow is estimated to be about 2500 psi.

10) PU 5-1/2" Arrowset 1X pkr and on/off tool w/2.25" "F" profile and TIH on 2-7/8" tbg. Set pkr at ±10,720'. Test annulus to 2000 psi. RU swab and swab test Morrow (11,215-476' OA). Obtain a representative water sample for analysis. Obtain bottom hole pressure data as per Houston's recommendations.
    a) If the Morrow produces water, it may be necessary to run a production log to determine the source. Water production is possible from perfs at 11,370-80' and 11,384-96'. If these zones are identified as the source of the water production, it will be necessary to isolate them with a CIBP @ 11,360'.
11) If the Morrow proves to be a viable completion candidate, continue with the following steps for Morrow recompletion. Otherwise continue with Atoka recompletion.

MORROW RECOMPLETION:

12) Kill well w/2% KCl water. Release Arrowset pkr and POOH. PU ret head for Otis on/off tool, oil jars, bumper jars, accelerator jars and drill collars and TIH. Engage Otis on/off tool at 10,719' and attempt to release Perma-latch pkr. If unable to release pkr conventionally, pkr is pinned for 40K lbs shear release. Jar pkr loose and POOH. LD BHA and pkr.
13) RU WL & NU lubricator and test to 1500 psi. Run a GR/CCL log from PBTD @ 11,549' to 10,000'. Use a high enough sensitivity on CCL to determine what intervals are perforated. POOH and RD WL.
14) PU 5-1/2", 17# Arrowset 1X pkr w/Weatherford T-2 on/off tool (2.31" "F" profile) and 10' pup jt tail pipe and TIH on 2-7/8" tbg. Set pkr at ±11,000'. Circ. pkr fluid and test csg to 1500 psi. Swab test well.
15) RU WL and NU full lubricator and test to 3500 psi. Using 2-1/8" Power Enerjet strip guns loaded 6 spf perforate additional Morrow intervals: 11,241-50', 11,188-91', 11,155-59', 11,048-57', 11,038-45'. Report pressure response on tbg after perforating. RD WL unit. Clean up well and report flowing rates and pressures.
    a) Depth reference: Schlumberger CNL Run #1 dated 1/12/73.
16) Stimulate well as per Houston's recommendations.

ATOKA RECOMPLETION:

17) If the Morrow is not productive, POOH w/tbg and pkr. RU WL unit and set a CIBP 50' above the uppermost Morrow perfs and dump bail 35' of cement on top.
18) RIH w/redressed 5-1/2", 17# Arrowset 1X pkr w/Weatherford T-2 on/off tool (2.31" "F" profile) and 10' pup jt tail pipe and set same at ±11,600'. Circ. pkr fluid and test csg to 1500 psi.
19) RU WL unit. NU full lubricator and test to 3500 psi. Using 2-1/8" Power Enerjet strip guns loaded 6 spf, perforate the following Atoka intervals: 10,898-905', 10,830-38' and 10,668-75'. POOH and RD WL. Report pressure response on tbg after perforating. Flow/swab test well.
    a) Depth reference: Schlumberger CNL Run #1 dated 1/12/73.

20) Stimulate Atoka using 7-1/2% Morrow acid as per Houston's recommendation.

STRAWN RECOMPLETION:

21) If the Atoka is not productive, POOH w/tbg and pkr. RU WL unit and set a CIBP at ±10,630'. Dump bail 35' of cmt on top.
22) RIH w/3-3/8" csg gun loaded 6 spf 60 deg phase and perforate the Strawn from 10,512-24' and 10,536-39'. Report pressure response on tbg after perforating.
    a) Depth reference: Schlumberger CNL Run #1 dated 1/12/73.
23) PU 5-1/2" Arrowset 1X and TIH on WL. Set pkr at ±10,450'. POOH. ND lubricator and RD WL.
    a) Run a 10k on/off tool with 2.31" "F" profile above the packer (FWG blanking plug in place), and run a pup jt below the packer with a WL entry guide.
24) PU on/off tool ret head on 2-7/8" tbg and TIH to 10,450'. Internally pressure test tbg to 8000 psi while TIH. Circulate 160 bbls of pkr fluid in the hole and engage on/off tool. Test annulus to 2500 psi. ND BOP's and NU tree. Test tree seals to 5000 psi.
25) RU swab and swab FL down to 4000'.
26) RU SL. Pull equalizing prong and allow tbg pressure to equalize. Pull blanking plug from 2.31" "F" nipple at 10,449'. RD SL unit.
27) Swab/flow test well. Allow well to clean up thoroughly. Acidize as per Houston's recommendation. Recover acid load prior to frac'ing.
28) RD&R workover rig.
29) Spot and fill frac tanks as per BJ service supervisor's recommendations. RU flowback manifold and stake lines. NU tree saver.
30) RU BJ services. Test lines to 12,000 psi. Apply 1500 psi to the annulus and maintain annular pressure during the frac. Frac the Strawn using a 70 quality binary foam and 20/40 Interprop as per the attached BJ recommendation. Do not exceed the maximum surface treating pressure of 10,500 psi. Report rates and pressures during treatment as well as 5, 10 and 15 minute SI pressures.
    a) Hold a safety meeting prior to pumping the frac job and after the frac job *prior to rigging down.*
31) Open well for flowback initially on an 8/64" choke. Open choke as necessary to optimize fluid recovery. Allow the well to flow to pit until it is thoroughly cleaned up.
32) Obtain gas sample and condensate sample for analysis.
33) Turn well over to Production personnel. Flow well for 7 to 10 days at a constant rate and SI for 72 hr buildup and 4-point test. Tag PBTD with slick line prior to running BHP bombs. PWOL.

Burton Flat Deep Unit #2
1275' FNL & 1980' FWL
Unit F Sec. 2, T-21-S, R-27-E
Eddy Co., NM
Elevation: 3193' GL, 3208' KB

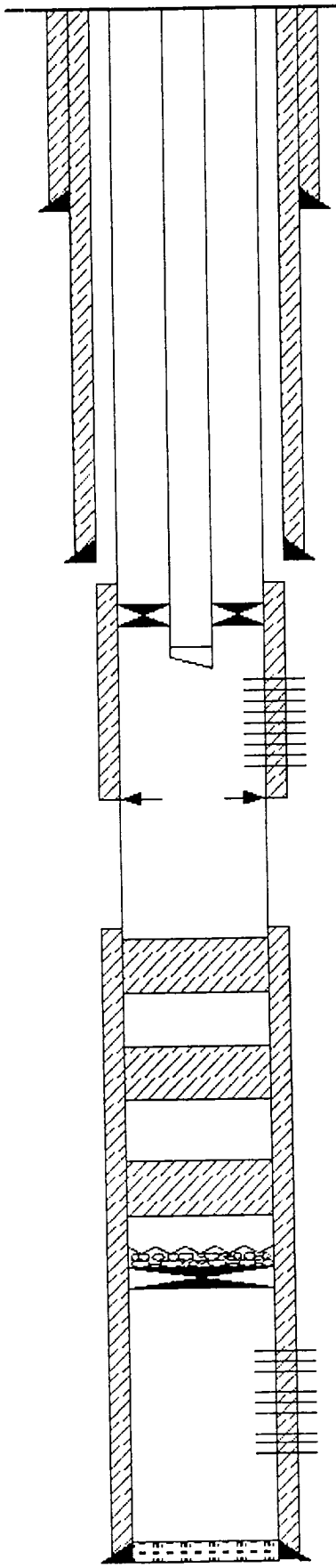
Current Completion

Spud Date: 11/23/72
Completion Date: 1/21/73

Completion

1/73: Perf'd Morrow thru tbg from 11,215-30', 11,332-38', 11,342-50', 11,370-80', 11,384-96', 11,468-76'. IP 8.356 MMcfpd 48 Bcpd and 197 bwpd w/FTP - 1500 psi. Cumulative Morrow production - 5.04 BCF.

10/84: Recompleted from the Morrow to the Bone Spring (5386-414'). Frac'd Bone Spring w/50,000 gals foam and 74,000 lbs 20/40 & 10/20 sand. IP 35 bopd 450 Mcfpd w/950 psi FTP.



13-3/8", 48# H-40 ST&C @ 605'
Cmt'd w/750 sx - Circ. to surface

2-7/8" tbg

9-5/8", 36# K-55 ST&C @ 2797'
Cmt'd w/1250 sx - Circ. to surface

Packer @ 5318' (Unknown type)

Bone Spring Perfs (2 spf):
5386-5414'

Perf'd holes @ 6000' to circulate cmt
TOC @ 4800' (est.)

TOC 8470' (est.)

Cmt Plug: 8640'-8940'

Cmt Plug: 9870'-10,179'

Cmt Plug: 10,330'-10,630'

5-1/2" CIBP @ 10,719' w/35' cmt

Morrow Perfs:
11,215-30', 11,332-38', 11,342-50',
11,370-80', 11,384-96', 11,468-76'

5-1/2", 17# N-80 & S-95 LT&C @ 11,599'
Cmt'd w/600 sx

TD: 11,600'
PBTD:11,549'

RPE: 5/31/01

Burton Flat Deep Unit #2
1275' FNL & 1980' FWL
Unit F Sec. 2, T-21-S, R-27-E
Eddy Co., NM
Elevation: 3193' GL, 3208' KB

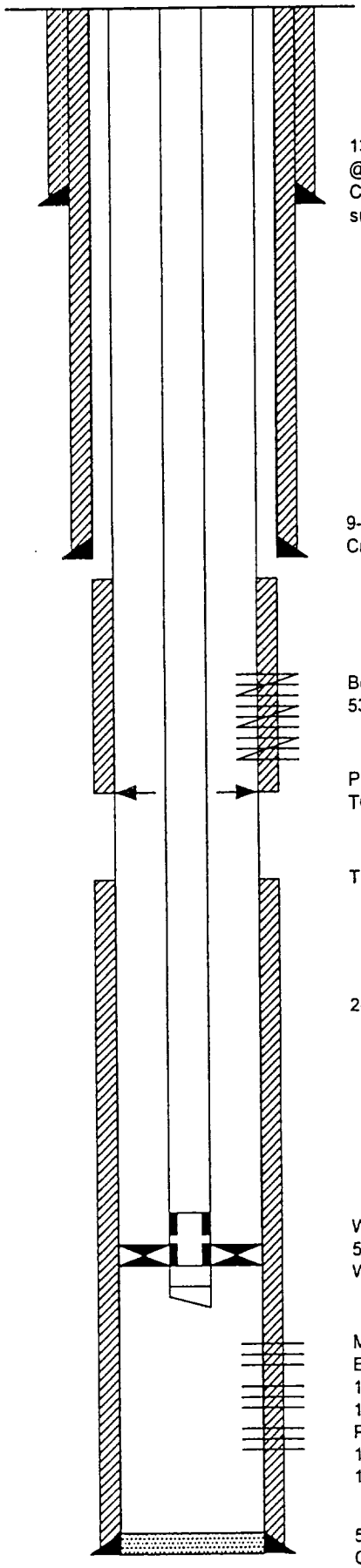
Proposed Completion

Spud Date: 11/23/72
Completion Date: 1/21/73

Completion

1/73: Perf'd Morrow thru tbg from 11,215-30', 11,332-38', 11,342-50', 11,370-80', 11,384-96', 11,468-76'. IP 8.356 MMcfpd 48 Bcpd and 197 bwpd w/FTP - 1500 psi. Cumulative Morrow production - 5.04 BCF.

10/84: Morrow SITP - 1800 psi. Recompleted from the Morrow to the Bone Spring (5386-414'). Frac'd Bone Spring w/50,000 gals foam and 74,000 lbs 20/40 & 10/20 sand. IP 35 bopd 450 Mcfpd w/950 psi FTP.



13-3/8", 48# H-40 ST&C @ 605'
Cmt'd w/750 sx - Circ. to surface

9-5/8", 36# K-55 ST&C @ 2797'
Cmt'd w/1250 sx - Circ. to surface

Bone Spring Perfs (2 spf):
5386-5414' - Sqz'd

Perf'd holes @ 6000' to circulate cmt
TOC @ 4800' (est.)

TOC 8470' (Calc'd - bond is poor)

2-7/8", 6.5# N80 AB Mod. tbg

Weatherford T-2 on/off tool w/2.31" "F" profile @ 10,999'
5-1/2" Arroset 1X pkr @ 11,000'
WL entry guide @11,016'

Morrow Perfs:
Existing:
11,215-30', 11,332-38', 11,342-50',
11,370-80', 11,384-96', 11,468-76'
Proposed:
11,038-45', 11,048-57', 11,155-59',
11,188-91', 11,241-50'

5-1/2", 17# N-80 & S-95 LT&C @ 11,599'
Cmt'd w/600 sx

TD: 11,600'