

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 reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

~~Spirit Energy 76/ A Business Unit of UNOCAL~~

(Union Oil Co. of Calif.)

3. Address and Telephone No.

P.O. Box 3100, Midland, TX 79702

(915) 685-7607

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

990' FSL, 790' FWL, Sec. 20-T27N-R6W

5. Lease Designation and Serial No.
SF 079366

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

RINCON UNIT

8. Well Name and No.

RINCON UNIT #170

9. API Well No.

30-039-06945

10. Field and Pool, or Exploratory Area

Basin Dakota/Blanco Mesaverde

11. County or Parish, State

Rio Arriba Co., NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ 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 markders and zones pertinent to this work.)*

* Perf the Mesaverde and downhole commingle the production with the existing Dakota perfs

Copy of procedure & wellbore schematic attached.

RECEIVED
DEC - 1 1997

OIL CON. DIV.
DIST. 3

NOV 19 1997
OIL CON. DIV. NM
11-18-97 PM 9:42

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

Signed

Charlotte Beeson

Title

Regulatory Clerk

Date

11-18-97

(This space for Federal or State office use.)

Approved by

Conditions of approval, if any:

/s/ Duane W. Spencer

Title

Date

NOV 25 1997

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 Instruction on Reverse Side

NMOCD

Hold E-104 for Plat @

✓

WO Supt.
Res. Eng.
Prod. Eng.
Prod. Supt.

Well No.: 170

Procedure:

1. Dig and line circulating pit, install blooie line. Replace necessary anchors.
2. MIRU workover rig and equipment. Blow down well. Pump 20 bbls 2% KCL water down the casing and 10 bbls down the tubing to kill the well (or minimum amount needed).
3. Nipple down tree and nipple up tested BOP. Take tree to ERC for repairs.
4. Rig up Ico wellhead scan. POOH and LD 2-3/8" tubing. Use blue and yellow band. Call to production for additional tubing to complete well.
5. Pick up 3-1/8" bit on 2-3/8" 4.7# N-80 tubing. RIH and clean out to 7505'.
6. (RU foam unit if cleanout is necessary). POOH and LD bit.
7. PU 4-1/2" 11.6# RBP. RIH and set RBP at 7150'. Test casing to 200 psig. If casing leaks, find extent of bad casing. Determine if braidenhead squeeze will repair. If well can not be fixed, abort job and go to #18. At some point, if packer is ran, test BOP to 200-500 psig. If leak does not produce significant water, proceed with no squeeze.
8. Dump bail 10' of sand on RBP and POOH.
9. RU Schlumberger wireline. Run gamma ray neutron log from 4500'-5600'. Perforate the Point Lookout 3-1/8" guns, 2 SPF 120 phasing (0.37" EHD 13.5") 5308-24', 5338-44', and 5402-07' (may change due to results of GR/neutron log). POOH and RD electric line.
10. TIH w/ stimulation packer, sn, on 2-3/8" N-80 tubing. Hook up casing so that if pressure on casing during job exceeds comfortable pressure (200-500 psig) will immediately relieve down blooie line to pit.
11. Load hole with 2% KCL water and establish injection rate. If breakdown is not achieved, acidize 1200 gal 15% HCL and additives. Divert with ball sealers.
12. Frac per Dowell recommendation.
13. RIH w/ retrieving head and CO to RBP. Latch on to RBP and set at 5200'. POOH.
14. Perforate the Cliff House w/ 3-1/8" 2 SPF 120 phasing 4754-69', 4798-4816'. POOH and RD electric line. RIH and set packer at 4700'.
15. Load hole with 2% KCL water and establish injection rate. If breakdown is not achieved, acidize 1500 gal 15% HCL and additives. Divert with ball sealers.
16. Frac per Dowell recommendation.
17. Flow back well. Achieve 24 hour test if well will not die, otherwise release packer, POOH w/packer and tubing.
18. RIH w/ retrieving head and CO to RBP. Latch and release RBP. POOH.
19. Run and land 2-3/8" production tubing at 7300'.
20. ND BOP and NU wellhead.
21. Swab well in, clean up to pit.
22. RD.

WELL: RINCON UNIT #170

LOCATION: 990' FSL 790' FWL Sec. 20 T27N R6W SW SW

COUNTY: Rio Arriba

STATE: NM

PRODUCING FORMATION: Dakota

CURRENT

SPUD DATE: 7/27/62

COMPL DATE: 9/25/62

RECOMPL DATE: -----

Elevation = 6513'

KB = 12'

Updated: 1/17/96

9-5/8", 32.3# H-40 @ 326'
Cmt w/ 210 sxs, Circ. to Surface

TOC
@ 2400'
by TS

DV Tool
@ 3184'

TOC
@ 4590'
by TS

DV Tool
@ 5573'

TOC
@ 6840'
by TS

PBTD
@ 7505'

246 Jts., 2-3/8" EUE 8rd, 4.7# J-55 FHD @ 7468'
(9/14/62)
30.66' 1 jt., 2 3/8" 4.7# J-55 EUE 8rd tbg
3.45' Perf joint & SN
7421.62' 245 jts., 2 3/8" 4.7# J-55 EUE 8rd tbg
7455.73' Total
12.00' BKDB
7467.73' FHD

Dakota perfs: 7282-7488

7280 2 holes sqz. 35 sxs

7282-86, 7296-7300, w/ 3 spf

7350 2 holes sqz. 25 sxs

7408-18, 7454-60, 7482-88 w/ 2 spf

Frac w/ 51,000 gal wtr, 60,000# sand

Sqz. 7526-34, 7546-50 w/ 75 sxs

4-1/2", 11.6 & 10.5#, J-55 @ 7561'

TD = 7561' Cmt w/ 150 sxs 1st stg., 225 sxs 2nd stg., 210 sxs 3rd stg.