

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
Sun Exploration & Production Co.

3. ADDRESS OF OPERATOR
P. O. Box 1861

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 330' FSL & 2310' FEL
AT TOP PROD. INTERVAL: OH 3050-3214'
AT TOTAL DEPTH: 3214' TD

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) test downhole equipment ☐

Well TA'd

17. 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.)*

1. MIRU WO rig. POH w/ rods. Install BOP. POH w/ tbg.
2. RIH w/ bit and csg scraper on 2-3/8" WS. CO hole to CS.
3. POH w/ ws, bit and scraper.
4. RIH w/ RBP, RDG pkr on WS.
5. Set RBP at 3020'. Set pkr at 2970'. Test RBP to 500 psi.
6. Rlse pkr and load annulus w/ inhibited produced wtr.
7. Test csg to 500 psi.
8. If leak is found, isolate by moving pkr to various depths.
9. POH w/ ws, pkr and RBP, SI.
10. NOTE: Inhibit water w/ 10 gal/100 bbl KW-79.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED

Manu J. Rex

TITLE

Sr. Acctng. Asst.

DATE

11/10/83

APPROVED

(This space for Federal or State office use)

APPROVED BY

PETER W. CHESTER

TITLE

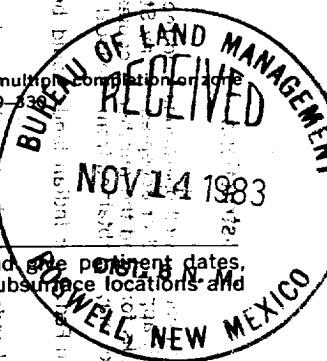
DATE

CONDITIONS OF APPROVAL, IF ANY:

FEB 27 1984

5. LEASE LC-054667	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME R. O. Gregory	
9. WELL NO. 1	
10. FIELD OR WILDCAT NAME Langlie-Mattix	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Unit Ltr 0, Sec 33, T-25-S, R-37-E	
12. COUNTY OR PARISH Lea	13. STATE New Mexico
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 2992' DF	

(NOTE: Report results of multiple completion or zone change on Form 9-331-C)



Set @

Ft.

RECEIVED

MAR 2 1984

O.C.D.
HOBBS OFFICE

SERVICE WORK PROCEDURE

WELL DATA:

LEASE AND WELL R. O. Gregory #1 DATE 10-18-83

FIELD AND RESV. Langlie-Mattix (4-Rwrs Queen Grayburg)

PROBLEM, CAUSE, SOLUTION, AND RECOMMENDATION Well has been TA'd since 1975. US Dept of Interior requests testing of CSG.

CASING DATA 5-1/2" 15.5# PBD TD 3214'

LINER DATA

PERFS OH 3050 - 3214'

TUBING DATA

PACKER OR DOWNHOLE TOOL DATA

PRESENT PRODUCTION AND METHOD

MISC. INFORMATION Contact USDI office in Hobbs to have representative witness test. Telephone # (505) 393-3612.

PROCEDURE:

- 1) MTRIL WD rig. POH w/ rods. Install BOP. POH w/ tbg.
- 2) RIH w/ bit and csg scraper on 2-3/8" WS. CO hole to CS.
- 3) POH w/ WS, bit and scraper.
- 4) RIH w/ RBP, RDC pkr on WS.
- 5) Set RBP at 3020'. Set pkr at 2970'. Test RBP to 500 psi.
- 6) Rise pkr and load annulus w/ inhibited produced water.
- 7) Test csg to 500 psi.
- 8) If leak is found, isolate by moving pkr to various depths.
- 9) POH w/ WS, pkr and RBP. SI.
- 10)
- 11)
- 12) Note: Inhibit water w/ 10 gal/100 bbl KW-79

ORIGINATOR: David Ferrin AREA ENG.  SUPT.

RECEIVED

MAR 2 1984

C.C.D.
HOBBS OFFICE

Income % 1.8
Work % 1.0

WELL DATA

WELL: F.O. Gregory # 1 FIELD: Lange-Matrix
LOCATION: 330' FSL and 2310' FEL, Sec 33, T25-S, R37
ELEVATIONS: KE 3005', GL 2998'
SPUD DATE: 8-3-54 COMPLETION DATE: 8-21-54
INITIAL POTENTIAL: 27 BOPH on 2 3/4" ck
RESERVOIR ON COMPLETION: Queen DEPTH: 3214 TD
PBD

HOLE AND CASING RECORD

Size Hole Drilled	Depth Drilled	Casing Description	Csg. Point	Sacks Cement	Top of Cement
	<u>293</u>	<u>2-5/8" 23#</u>	<u>278</u>	<u>225</u>	<u>circ</u>
<u>7-7/8"</u>	<u>3050</u>	<u>5-1/2" 15.5#</u>	<u>3050</u>	<u>100</u>	
		<u>DV 100' R 1142'</u>			
		<u>cont w/ 100 SX</u>			

COMPLETION RECORD

Date Completed	Zone	Interval	Present Status
<u>8-21-54</u>	<u>Queen</u>	<u>043050 - 3214'</u>	

WELL HISTORY

8-24-54 Frac'd w/ 10,000 gals \$11,000 # sd
8-6-55 Frac'd w/ 5000 gals
1-5-56 Frac'd w/ 15,000 gals (incl oil) \$20,000 # sd.
4-23-63 Acidized w/ 2000 gals 20% Acid w/ moth balls.
1-25-75 Frac'd w/ acid mud - SEE EXHIBIT 11 ENCL

RECEIVED

MAR 2 1984

O.C.D.
HOBBS OFFICE

WELL COMPLETION SKETCHES SUN-5036-4-A

WELL

FIELD

DATE

R.O. Gregory #1

Langlie - Mattix

10-17-83



PRESENT COMPLETION



SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

DATA ON THIS COMPLETION

GL 2998

KB 3005'

8-5/8", 23# CS @ 278'

cmt w/ 225 SX

cmt circ. to surf

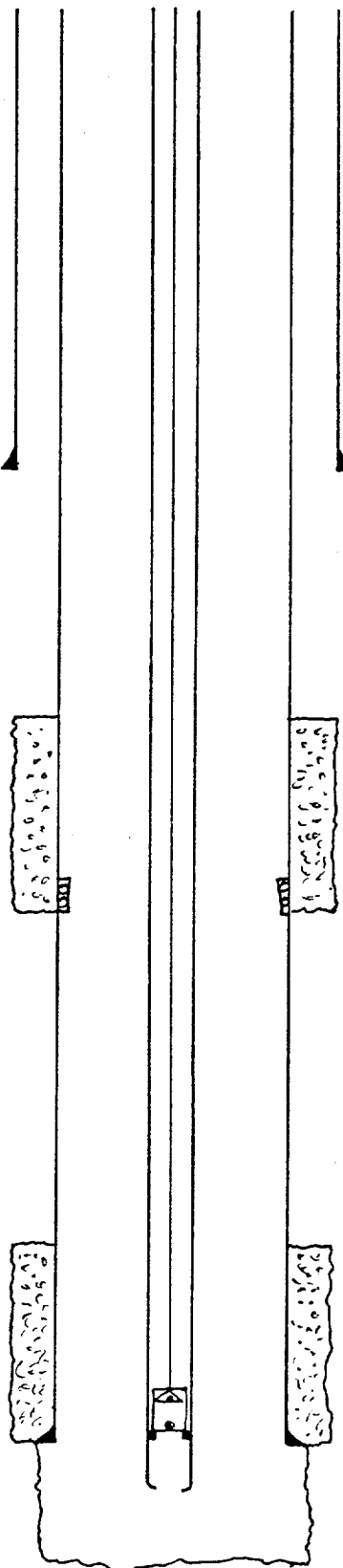
DU tool @ 1142', cmt

w/ 100 SX

TOC @ 2177' (calc)

5-1/2", 15.5# CS @ 3050'

cmt w/ 100 SX



TD 3214'

2-3/8" tbg, 3/4" rods
in hole

RECEIVED

MAR 2 1984

O.C.D.
HOBBS OFFICE