

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-025-06876

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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 "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
E. O. CARSON

1. Type of Well:
OIL WELL ☐ GAS WELL ☒ OTHER

2. Name of Operator MOBIL EXPLORATION & PRODUCING U.S. INC., AS AGENT FOR
MOBIL PRODUCING TEXAS & NEW MEXICO INC.

8. Well No.
22

3. Address of Operator
12450 GREENSPPOINT DRIVE, HOUSTON, TX 77060

9. Pool name or Wildcat
EUMONT YATES 7 RIVERS QUEEN

4. Well Location
Unit Letter L : 1880 Feet From The SOUTH Line and 660 Feet From The WEST Line

Section 28 Township 21S Range 37E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3460'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) MIRU.
- 2) Perf. East #1 csg string @ 6,490', sqz. perfs & plug string w/cmt from 6,490-2,500'.
- 3) Squeeze off perfs in West #2 casing string from 3,578-3,370' & plug csg w/cmt from 3,370 to surface.
- 4) Perf. East #1 at 402 ft. & set 100' plug in 8-5/8" csg annulus & top-out with 10 sk plug in 8-5/8" csg.
- 5) Weld 1-2" cap on casing stub, erect a P&A marker, listing well name, company name, date and location.
- 6) RD & release plugging company.
- 7) Cleanup location.

THIS DOCUMENT WILL BE NOTIFIED 24
HOURS BEFORE THE EXPIRATION OF
THE PERMIT, FOR THE C-103
PERMIT.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Patricia B. Swanner TITLE Reg. Tech/Asst. DATE 11/17/95

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEAYON

APPROVED BY DISTRICT SUPERVISOR TITLE DATE NOV 21 1995

CONDITIONS OF APPROVAL, IF ANY:

**MOBIL OIL E.P.U.S.
12450 Greenspoint Dr.
Houston, Texas**

E.O. Carson #22

**Lea Co., NM
API Well No.:**

P & A Cementing Proposal

Prepared for: Mr. Ron Knippa

10/25/95

**Version
2**

**Prepared by:
Mark E. Keller
Halliburton Energy Services
5950 North Course Drive
Houston, Texas 77072**

(713)775-2370



The Future Is Working Together.

MEK04595



***Halliburton appreciates the opportunity to present
this proposal and looks forward to being of service to you.***

Foreword

Enclosed is our recommended procedure for plug cementing the casing strings in the referenced well. The information in this proposal includes well data, calculations, material requirements, and cost estimates. This proposal is based on information from our field personnel and previous cementing services in the area. Halliburton Services appreciates the opportunity to present this proposal for your consideration and we look forward to being of service to you. Our Services for your well will be coordinated through the Service Center listed below. If you require any additional information or additional designs, please feel free to contact myself or our field representatives listed below.

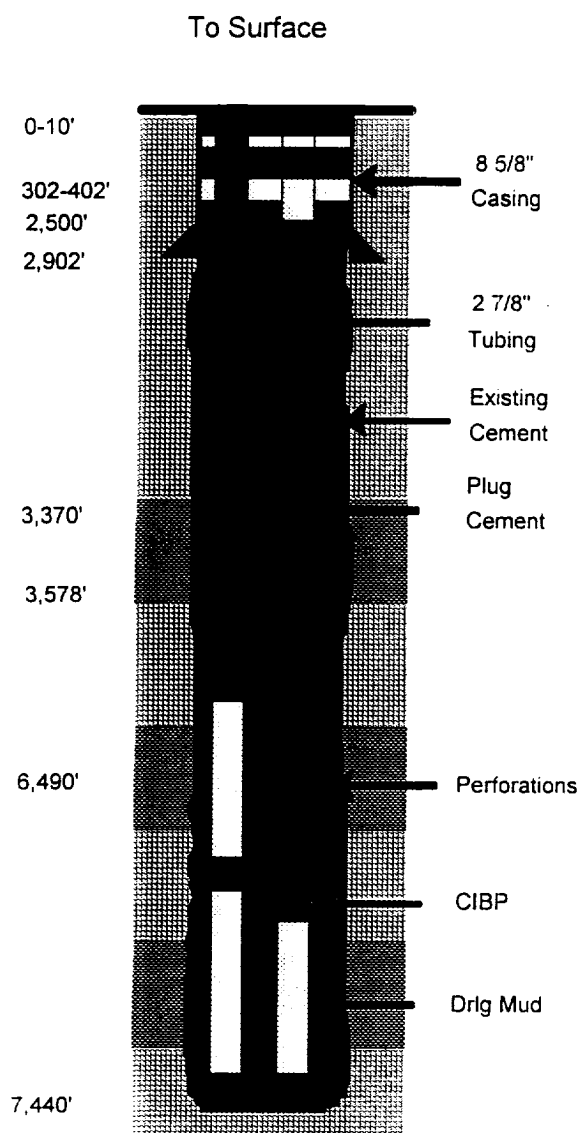
Prepared and Submitted by:

Mark E. Keller
Technical Advisor

SERVICE CENTER:	Hobbs, NM
WIRELINE SERVICE :	Joel Roberts
PHONE NUMBER:	(505) 392-7541
PUMPING SERVICE:	Phillip Molina
PHONE NUMBER:	(505) 392-6531

Well Information

Completion Type	Dual Tubingless
Intermediate Casing Size	8 5/8 in.
Intermediate Casing Wt.	24.0 lb/ft
Intermediate Casing Depth	2,902 ft.
Production Casing Size	2 7/8 in.
Production Casing Weight	6.5 lb/ft
East #1 Casing PBTD	6,985 ft.
West #2 Perforations	3,370-3,578 ft.
West #2 Casing PBTD	5,060 ft.
Top of Plug Cement	2,500 ft.
8 5/8 in. Casing Plug Dep	402 - 302 ft.



Job Recommendation

FLUID 1: SQUEEZE CEMENT

Premium Cement

Mixed With Fresh Water

Redbook Spec's:

TTT @ 4,000' - 4:00+ hrs

24 Hr Comp Str @ 100°F - 1,500 psi

Fluid Weight:	15.60 lb/gal
Fluid Yield:	1.18 ft ³ /sk
Fluid Water Ratio:	5.20 gal/sk
Total Mixing Fluid:	7.4 bbls
Fluid Volume:	12.61 bbls
Calculated Volume:	60 sks
Proposed Volume:	60 sks

FLUID 2: PLUG CEMENT

Halliburton Light Premium (74)

Mixed With Fresh Water

Redbook Spec's:

TTT @ 4,000' - 4:00+ hrs

72 Hr Comp Str @ 95°F - 745 psi

Fluid Weight:	13.1 lb/gal
Fluid Yield:	1.69 ft ³ /sk
Fluid Water Ratio:	8.80 gal/sk
Total Mixing Fluid:	37.7 bbls
Fluid Volume:	53.5 bbls
Calculated Volume:	178.00 sks
Proposed Volume:	180 sks

Job Procedure

SCOPE OF WORKOVER:

- A) Perforate EAST #1 casing string at 6,490 ft., squeeze perforations and plug string with cement from 6,590 ft. to 2,500 ft.
- B) Squeeze off perforations in WEST #2 from 3,578 - 3,370 ft. and plug casing with cement from 3,370 ft. to surface.
- C) Perforate EAST #1 at 402 ft. and set 100 ft. plug in 8 5/8 in. casing annulus and top-out with 10 sk plug in 8 5/8 in. casing

PTA EAST #1:

1. Make dummy run in EAST #1 tubing with wireline gauge ring to 6,600 ft.* POOH with gauge ring and pick up 2 1/8" Dyna-Star perforating gun. RIH to 6,590 and shoot one foot at 2 spf. POOH with wireline.
2. Load tubing with field salt water. Note fluid level. Establish injection, note surface treating pressure and rate. If perforated zone will hold a full column of 12.8 ppg cement, skip step (3.) and proceed to plug well. If zone will not support a cement column then follow step (3.).
3. GIH with G-Collar Stop and wireline and set collar stop in first collar above perforations. POOH with wireline.
4. Tie on to EAST #1 tubing with Halliburton HT-400. Test lines to 5,000 psi.
5. Establish injection with field salt water.
6. Pump 10 bbls fresh water spacer followed by 5 bbl of Halliburton Light Cement 'neat' mixed at 13.1 ppg. Drop 2 7/8" Five Wiper plug. Continue to pump 24 bbl of Halliburton Light Cement 'neat' mixed at 13.1 ppg behind plug.
7. Displace with 5 bbl fresh water spacer followed by field salt water. NOTE: Volumes are based on 2 7/8 in. - 6.5 lb/ft tubing. Underdisplace wiper plug by 1/2 to 1 bbl to avoid placing excessive pressure on collar stop. TOC designed to be at $\pm 2,500$ ft.

Job Procedure

SCOPE OF WORKOVER:

- A) Perforate EAST #1 casing string at 6,490 ft., squeeze perforations and plug string with cement from 6,590 ft. to 2,500 ft.
- B) Squeeze off perforations in WEST #2 from 3,578 - 3,370 ft. and plug casing with cement from 3,370 ft. to surface.
- C) Perforate EAST #1 at 402 ft. and set 100 ft. plug in 8 5/8 in. casing annulus and top-out with 10 sk plug in 8 5/8 in. casing

PTA WEST #2

1. Rig up to WEST #2 tubing. Establish injection with field salt water. If the zone will hold a full column of 13.1 ppg cement, skip step (2.) and proceed to step (3.), if not, continue to step (2.).
2. GIH with G-Collar Stop and wireline and set collar stop in first collar above perforations at 3,370 - 3,578 ft. POOH with wireline.
3. Tie on to WEST #2 tubing with Halliburton HT-400. Test lines to 5,000 psi.
4. Establish injection with field salt water.
5. Pump 10 bbls fresh water spacer followed by 50 sk of Premium Cement mixed at 15.6 ppg. Drop 2 7/8" Five Wiper plug. Continue to pump 19 bbl of Halliburton Light Cement 'neat' mixed at 13.1 ppg behind plug.
6. Displace with 1 - 5 bbl fresh water to clear lines and wellhead, shut down pump. NOTE: Volumes are based on 2 7/8 in. - 6.5 lb/ft tubing. Underdisplace wiper plug by 1/2 to 1 bbl to avoid placing excessive pressure on collar stop. TOC designed to be at surface.

PERFORATE TO PLUG:

1. Run in EAST #1 tubing with 2 1/8" Dyna-Star perforating gun on wireline to 402 ft. and shoot one foot at 2 spf. POOH with wireline.
2. Tie on to EAST #1 tubing with Halliburton HT-400 and circulate 21 bbl (or until returns of same mud are noted) of 9.5 lb/gal plug mud followed by 5.4 bbl of Halliburton Light Cement mixed at 13.1 ppg. Displace to balance 100 ft. plug from 402 - 302 ft.
3. Top-out 8 5/8 in. - 24.0 lb/ft casing with 10 sk of Premium Cement mixed at 15.6 ppg.**
4. Rig down and move off Halliburton equipment. Weld cap on casing stub, erect P&A marker listing well information.

* If unable to get down with gauge ring due to scale build up contact Mobil, Houston office to confer. Probable course of action will be to proceed to WEST #2 string and run gauge ring. Call out coiled tubing unit and acid and attempt to circulate down one or both strings of tubing as required and then plug using coiled tubing unit.

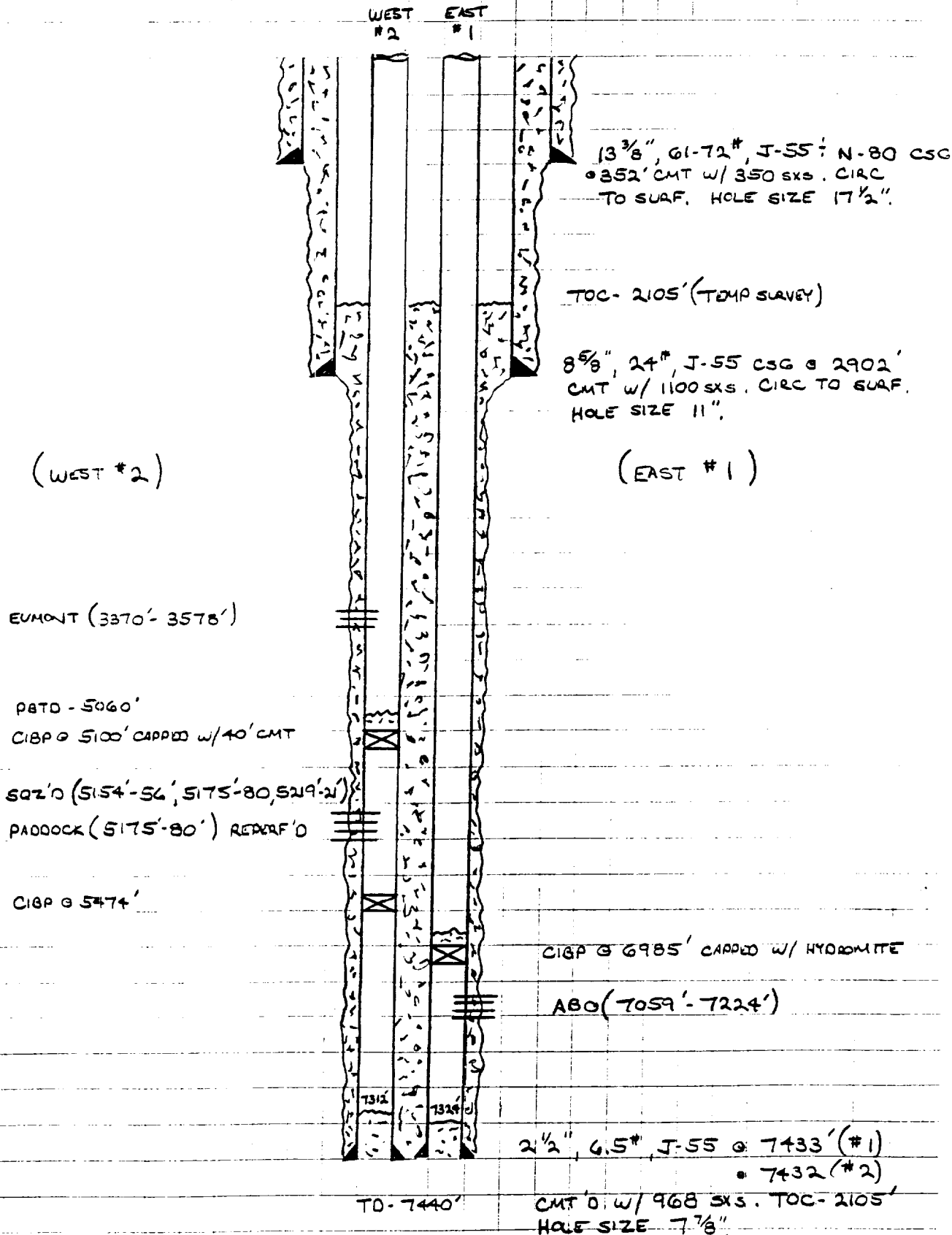
**Mobil to furnish one joint(approx. 25 ft.) of 1 in. tubing for top-out.

CALCULATION AND DATA SHEET

UNIT E.O. CARE #22
 FOR _____
 LOCATION SECT. 28, T21-S, R37-E
 SUBJECT LEA COUNTY, NM
CURRENT COMPLETION

FILE NO. _____
 JOB OR AUTH. NO. _____
 PAGE _____
 DATE 10/12/95
 BY RON KNIPPA

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CALCULATION AND DATA SHEET

FCO-225M (3-83)

UNIT E.O. CARSON #22
 FOR _____
 LOCATION SECT 28, T21-S, R37-E
 SUBJECT LEA COUNTY, NM
PROPOSED COMPLETION

FILE NO. _____
 JOB OR AUTH. NO. _____
 PAGE _____
 DATE 10/12/95
 BY RON KNIPPA

