

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

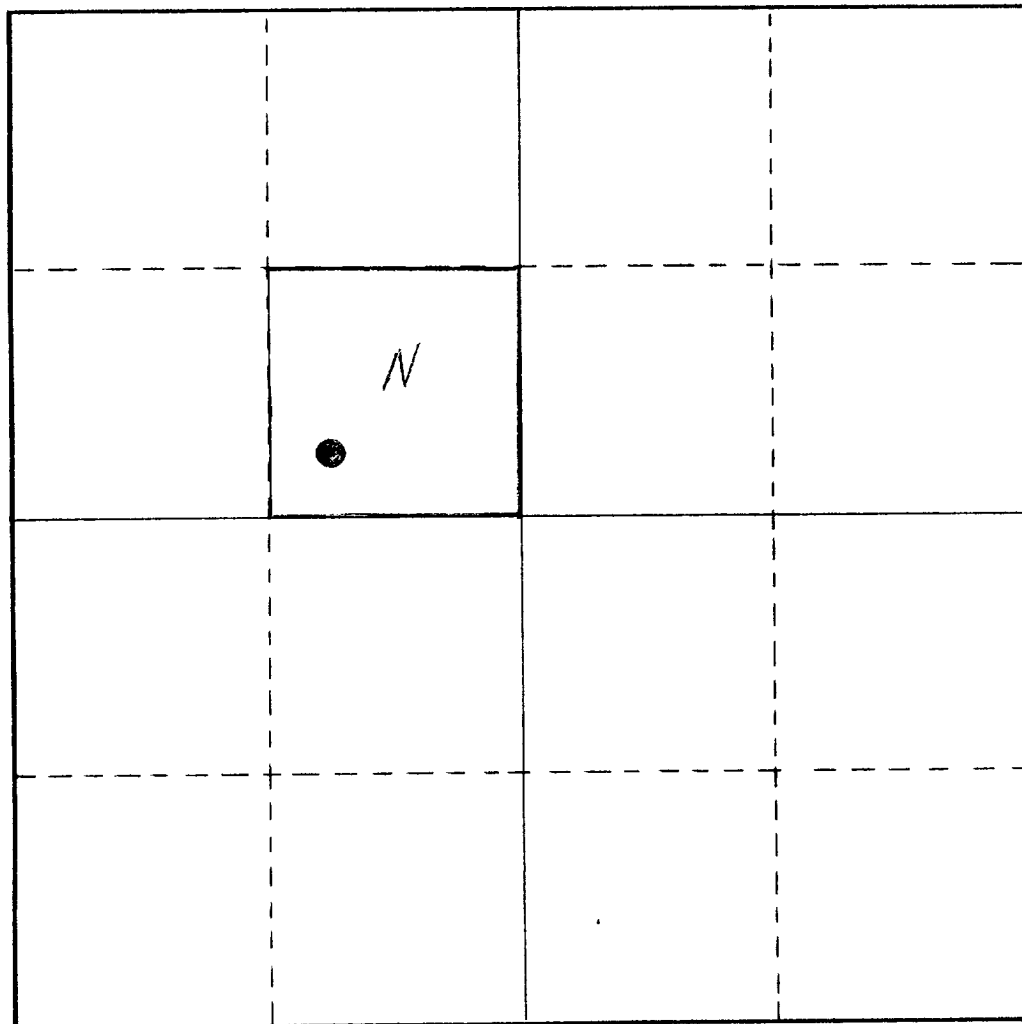
Operator <b>SHELL WESTERN E&amp;P INC.</b>			Lease <b>STATE SECTION 2</b>		Well No. <b>13</b>
Unit Letter <b>FN</b>	Section <b>2</b>	Township <b>21-S</b>	Range <b>37-E</b>	County <b>LEA</b>	
Actual Footage Location of Well: <b>2970</b> feet from the <b>SOUTH</b> line and <b>1650</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>3494' DF</b>	Producing Formation <b>HARE-SIMPSON</b>		Pool <b>HARE-SIMPSON</b>		Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes    ☐ No    If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

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

Name *A. J. FORE*  
Position

**SUPERVISOR REG. & PERMITTING**

Company  
**SHELL WESTERN E&P INC.**

Date  
**AUGUST 21, 1984**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.



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AUG 27 1984

O.C.D.  
HOBBY OFFICE

STATE OF NEW MEXICO  
OIL AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☒ Fee ☐  
5. 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.)

OIL WELL ☒ GAS WELL ☐ OTHER-

Name of Operator

SHELL WESTERN E&P INC.

Address of Operator

P. O. BOX 991, HOUSTON, TEXAS 77001

Location of Well

UNIT LETTER F/N 2970 FEET FROM THE SOUTH LINE AND 1650 FEET FROM  
THE WEST LINE, SECTION 2 TOWNSHIP 21-S RANGE 37-E NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

STATE SECTION 2

9. Well No.

13

10. Field and Pool, or Wildcat

HARE-SIMPSON

15. Elevation (Show whether DF, RT, GR, etc.)

3494' DF

12. County

LEA

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

OTHER

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPS. ☐  
CASING TEST AND CEMENT JOBS ☐

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐

OTHER SQUEEZED GRAYBURG, DRINKARD, & WANTZ ☒  
ABO; RECOMPLETED IN HARE-SIMPSON (WELL  
TA'D 11/71).

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1108.

2-20-84: Cleaned out to 4150'. Tested csg & bridge plug to 1500#. Held OK. Squeezed Grayburg perf's 3972-3989' w/90 sx Class "C" cmt + .4% Halad-9 + 2% CaCl2. WOC 24 hrs.

2-21 to 2-23-84: Tagged TOC @ 3743'. Cleaned out to 4020'. Pressure tested squeeze to 1000 psi. Held OK. Drilled out cmt from 4332' to 4535'. Tested csg to 1000 psi. Held OK. Drilled out CIBP @ 6570'. Cleaned out to 6816'.

2-24-84: Spotted 500 gals 10% MCA from 6813-6313'. Squeezed Drinkard perf's 6604-6809' w/ 100 sx Class "C" cmt + .4% Halad-9 followed by 50 sx Class "C" cmt + 5#/sx salt. Reversed out 29 sx. WOC 24 hrs.

2-25 to 2-28-84: Tagged TOC @ 6277'. Cleaned out to 6810'. Pressure tested squeeze to 1000 psi. Drilled out CIBP @ 6860'.

2-29-84: Squeezed Wantz Abo perf's 7007-7145' w/50 sx Class "C" cmt + .4% Halad-9 followed by 50 sx Class "C" cmt + 5#/sx salt. Reversed out 15 sx. WOC 24 hrs.

3-01-84: Tagged TOC @ 6556'. Cleaned out to 7145'. Pressure tested squeeze to 1000 psi. Held OK.

(CONTINUED ON REVERSE SIDE)

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

SIGNED Eddie W. Seay A. J. FORE TITLE SUPERVISOR REG. & PERMITTING DATE AUGUST 22, 1984

Eddie W. Seay

AUG 29 1984

APPROVED BY Oil & Gas Inspector

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

- 3-02-84: Drilled out cmt & CIBP @ 7300'. Pressure tested csg to 1000 psi. Held OK. Cleaned out to 7980'.
- 3-05-84: Spotted 200 gals 15% NEA from 7964' to 7764'. Perforated the Hare-Simpson 7925-7961' (9 holes).
- 3-06 to 3-07-84: Acidized new perf's 7925' to 7961' w/2000 gals 15% NEA. Frac treated Hare-Simpson perf's w/10,000 gals cross-linked gelled 2% KCl + 15,000# 20-40 mesh sand. Cleaned out to 7990'. Installed production equipment and test pumped well.
- 3-29-84: Pulled production equipment and set 5-1/2" RBP @ 7890'. Spotted 300 gals 15% NEA from 7870' to 7570'.
- 3-30-84: Perforated the Hare-Simpson 7647' to 7863' (25 holes).
- 3-31-84: Acidized Hare-Simpson perf's 7647' to 7863' w/3750 gals 15% NEA. Frac treated Hare-Simpson 7647-7863' w/5000 gals slick gel + 40,000 gals cross-linked gelled 2% KCl + 25,000# 20-40 mesh sand + 50,000# 10-20 mesh sand.
- 4-03 to 6-03-84: Installed production equipment and test pumped well.
- 6-06-84: Pulled production equipment and set 5-1/2" RBP @ 7400'. Pressure tested Wantz Abo squeezed perf's 7007-7145' to 2000#. Held OK.
- 6-08-84: Set pkr @ 4570'. Pumped 80 sx Class "C" cmt + .4% Halad-9 down tubing and pressure tested to 3000#. Held OK.
- 6-09-84: Pumped 100 sx Class "C" cmt followed by 100 sx Class "C" containing 5# salt/sx into csg leak between 4400-4520'. Squeezed to 2100#. Reversed out 5 sx cmt.
- 6-11-84: Tagged TOC @ 4320'. Drilled 10' cmt, cmt ret., & hard cmt from 4330-4550'. Cleaned out to 4600'. Tested csg to 1100#. Held OK. Drilled to TOC @ 6468'. Drilled out cmt and circulated hole clean.
- 6-12 to 6-13-84: Set pkr @ 6170'. Squeezed csg leak w/50 sx Class "C" cmt + .4% Halad-9 followed by 50 sx Class "C" + 5#/sx salt. Squeezed to 3500#. Reversed out 10 sx cmt.
- 6-14 to 6-15-84: Drilled out cmt and cmt ret. (@ 6474') from 6169' to 6729'. Tagged top of sand @ 7391'. Pressure tested squeeze to 700 psi. Held OK.
- 6-19-84: Installed production equipment and returned well to production.

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AUG 27 1984

O.C.D.  
HOBBS OFFICE

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☒ Fee ☐

5. 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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator SHELL WESTERN E&P INC.	8. Farm or Lease Name STATE SECTION 2
3. Address of Operator P. O. BOX 991, HOUSTON, TEXAS 77001	9. Well No. 13
4. Location of Well UNIT LETTER <u>F</u> <u>2970</u> FEET FROM THE <u>SOUTH</u> LINE AND <u>1650</u> FEET FROM THE <u>WEST</u> LINE, SECTION <u>2</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> N.M.P.M.	10. Field and Pool, or Wildcat HARE-SIMPSON
15. Elevation (Show whether DF, RT, GR, etc.) 3494' DF	12. County LEA

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPERATIONS <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> OTHER <input type="checkbox"/>

OTHER SQUEEZE GRAYBURG, DRINKARD & WANTZ ABO; ☒  
RECOMPLETE IN HARE-SIMPSON (WELL TA'D 11/71)

17. 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.

- Clean out to PBTD (6560').
- Squeeze Grayburg perforations 3972' to 3989' with 75 sx Class "C" cmt + .4% Halad-9 + 2% CaCl<sub>2</sub>. WOC 24 hrs. Clean out to 4039'. Pressure test squeeze to 1,000 psi. Drill out CIBP @ 6570'. Squeeze Drinkard perforations 6604' to 6809' with 100 sx Class "C" cmt + .4% Halad-9 followed by 50 sx Class "C" cmt + 5#/sx salt. WOC 24 hrs. Clean out to 6859'. Pressure test squeeze to 1,000 psi. Drill out CIBP @ 6860'. Squeeze Wantz Abo perforations 7007' to 7145' with 100 sx Class "C" cmt + .4% Halad-9 followed by 50 sx Class "C" cmt + 5#/sx salt. WOC 24 hrs. Clean out to 7195'. Pressure test squeeze to 1,000 psi. Clean out to 7980' (CIBP @ 8000' with 5' of cement). Pressure test casing and CIBP to 1,000 psi.
- Spot 100 gals of 15% NEA from 7860' to 7960'.
- Perforate the Hare-Simpson 7925' to 7961' (9 holes). Acidize new perforations 7925' to 7961' with 2,000 gals 15% NEA. Fracture treat the new Hare-Simpson perforations with 10,000 gals cross-linked gelled 2% KCl + 19,000# 20-40 mesh sand. Clean out to 7980'.
- Install production equipment and test pump well until stabilized test obtained.

(CONTINUED ON REVERSE SIDE)

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

SIGNED A. J. FORE TITLE SUPERVISOR REG. & PERMITTING DATE FEBRUARY 3, 1984

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT SUPERVISOR  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

FEB 27 1984

6. Pull production equipment and set 5-1/2" RBP @ 7890'. Spot 275 gals 15% NEA from 7600' to 7875'.
7. Perforate the Hare-Simpson 7647' to 7863' (25 holes). Acidize Hare-Simpson 7647' to 7863' with 3750 gals 15% NEA. Fracture treat Hare-Simpson 7647' to 7863' with 40,000 gals cross-linked gelled 2% KCl + 25,000# 20-40 mesh sand + 50,000# 10-20 mesh sand.
8. Clean out to PBD (7995'). Install production equipment and return well to production.

EB 8 1984

JOHNS  
LANCE