

District I  
1015 N. French Dr., Hobbs, NM 88241  
District II  
511 South First, Artesia, NM 88211  
District III  
1900 Rio Brazos Road, Aztec, NM 87410  
District IV  
1440 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
Revised March 17, 1999

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

|                                                                                       |                                 |                                                        |
|---------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------|
| Operator Name and Address<br>OXY USA Inc.<br>P.O. Box 50250<br>Midland, TX 79710-0250 |                                 | FOGRIID Number<br>16696<br>API Number<br>30-015- 30716 |
| Property Code<br>24798                                                                | Property Name<br>OXY Tumbleweed | Well No.<br>1                                          |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F             | 2       | 18S      | 25E   |         | 1980          | North            | 1980          | West           | Eddy   |

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

<sup>9</sup> Proposed Pool 1

<sup>10</sup> Proposed Pool 2

Undesignated Atoka Morrow, West

70760

|                                   |                                       |                                   |                                          |                                               |
|-----------------------------------|---------------------------------------|-----------------------------------|------------------------------------------|-----------------------------------------------|
| <sup>11</sup> Work Type Code<br>N | <sup>12</sup> Well Type Code<br>G     | <sup>13</sup> Cable/Rotary<br>R   | <sup>14</sup> Lease Type Code<br>P       | <sup>15</sup> Ground Level Elevation<br>3482' |
| <sup>16</sup> Multiple<br>No      | <sup>17</sup> Proposed Depth<br>8700' | <sup>18</sup> Formation<br>Morrow | <sup>19</sup> Contractor<br>FWA-Peterson | <sup>20</sup> Spud Date<br>8/9/99             |

<sup>21</sup> Proposed Casing and Cement Program

| Hole Size               | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-------------------------|-------------|--------------------|---------------|-----------------|---------------|
| 17-1/2"                 | 13-3/8" H40 | 48#                | 400'          | 360sx           | Surface       |
| 14-1/2" / 12-1/4"       | 8-5/8" K55  | 32#                | 1300'         | 425sx           | Surface       |
| 7-7/8"                  | 4-1/2" N80  | 11.6#              | 8700'         | 685sx           | 6000'         |
| Minimum WOC time 8 hrs. |             |                    |               |                 |               |

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

RECEIVED  
OCD - ARTESIA

SEE OTHER SIDE

Notify OCD at SPUD & TIME  
to witness cementing the  
8 5/8" casing.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

OIL CONSERVATION DIVISION

Signature

*David Stewart*

Approved by

*B60*

Printed name: David Stewart

Title:

Title: Regulatory Analyst

Approval Date

8-5-00

Expiration Date

8-5-00

Date:

8/4/99

Phone

505-685-5717

Conditions of Approval:

Attached

☒ Fresh Water Only To 1300'

ATTACHMENT C-103  
OXY USA Inc.  
OXY Tumbleweed #1  
SEC 2 T18S R25E  
Eddy County, NM

PROPOSED TD: 8700' TVD

BOP PROGRAM: 0' - 400' None

400' - 1300' 13-3/8" 5M blind and pipe rams with 5M annular preventer.

1300' - 8700' 13-3/8" 5M blind pipe rams with 5M annular preventer and rotating head below 7400'.

CASING: Surface: 13-3/8" OD 43# H40 ST&C new casing set at 400'

Intermediate: 8-5/8" OD 32# K55 ST&C new casing from 0-1300'

Production: 4-1/2" OD 11.6# N80 LT&C new casing from 0-8700'

CEMENT: Surface - Circulate cement with 160sx 35:65 POZ/C with 6% Bentonite + .005#/sx Static Free + 2%  $\text{CaCl}_2$  + .25#/sx Cello-Seal + .005gps FP-6L followed by 200sx C1 C with .005#/sx Static Free + .005gps FP-6L + 2%  $\text{CaCl}_2$ .

Intermediate - Circulate cement with 225sx 35:65 POZ/C with 6% Bentonite + .005#/sx Static Free + 2%  $\text{CaCl}_2$  + .25#/sx Cello-Seal + .005gps FP-6L + 5#/sx Gilsonite followed by 200sx C1 C with 2%  $\text{CaCl}_2$  + .005#/sx Static Free + .005gps FP-6L.

Production - Cement with 610sx 15:61:11 POZ/C/CSE with .005#/sx Static Free + .005gps FP-6L + .5% FL-52 + .5% FL-25 + 8#/sx Gilsonite followed by 75sx C1 C with .005#/sx Static Free + .005gps FP-6L + .7% FL-25. Estimated top of cement is 6000'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD: 0 - 400' Fresh water/native mud. Lime for pH control (9-10). Paper for seepage. Wt 8.7-9.2 ppg, Vis 32-34 sec

400' - 1300' Fresh/Brine water. Lime for pH control (10.0-10.5). Paper for seepage. Wt 8.3-9.0ppg/10.0-10.1ppg, Vis 28-29 sec

1300' - 6000' Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt 8.3-8.5 ppg, Vis 28-29 sec

6000' - 7400' Cut brine. Lime for pH control (10-10.5). Wt 9.6-10.0 ppg, Vis 28-29sec

7400' - 8700' Mud up with an Duo Vis/Flo Trol mud system. Wt 9.6-10.0ppg, Vis 32-36sec, VL<10cc

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                       |                                 |                                              |
|-----------------------|---------------------------------|----------------------------------------------|
| API Number<br>30-015- | Pool Code                       | Pool Name<br>Undesignated Atoka Morrow, West |
| Property Code         | Property Name<br>OXY TUMBLEWEED | Well Number<br>1                             |
| OGRID No.<br>16696    | Operator Name<br>OXY USA INC.   | Elevation<br>3482'                           |

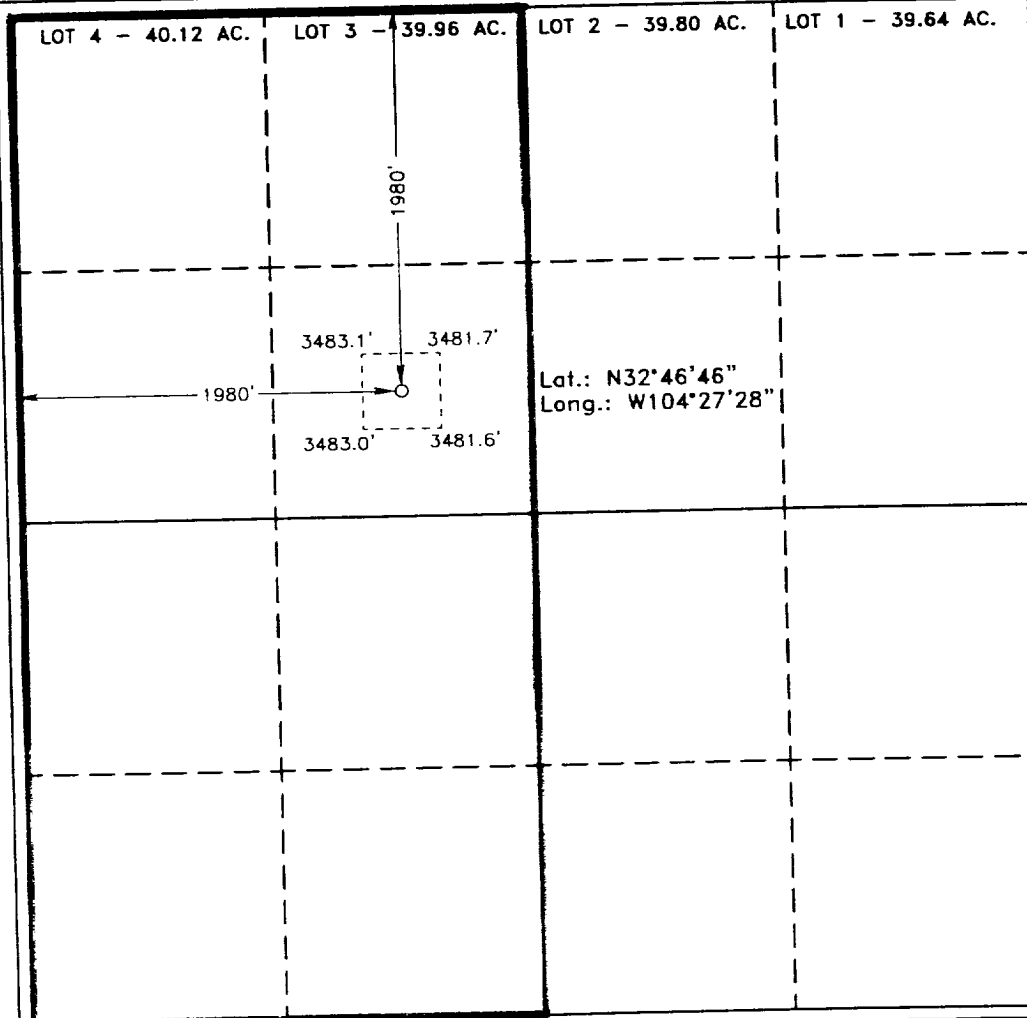
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F             | 2       | 18 S     | 25 E  |         | 1980          | NORTH            | 1980          | WEST           | EDDY   |

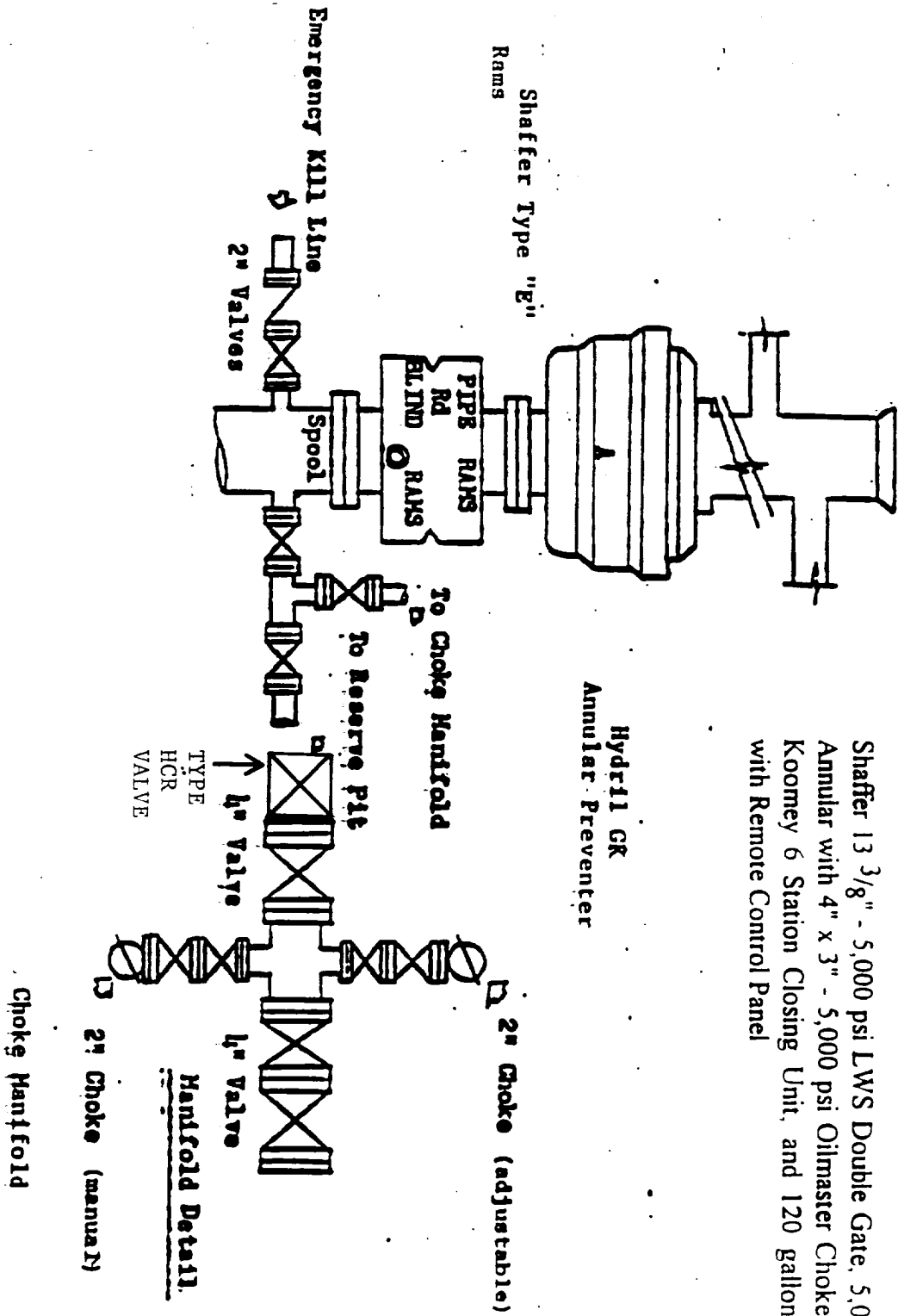
Bottom Hole Location If Different From Surface

| UL or lot No.          | Section              | Township           | Range     | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|------------------------|----------------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
|                        |                      |                    |           |         |               |                  |               |                |        |
| Dedicated Acres<br>320 | Joint or Infill<br>N | Consolidation Code | Order No. |         |               |                  |               |                |        |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

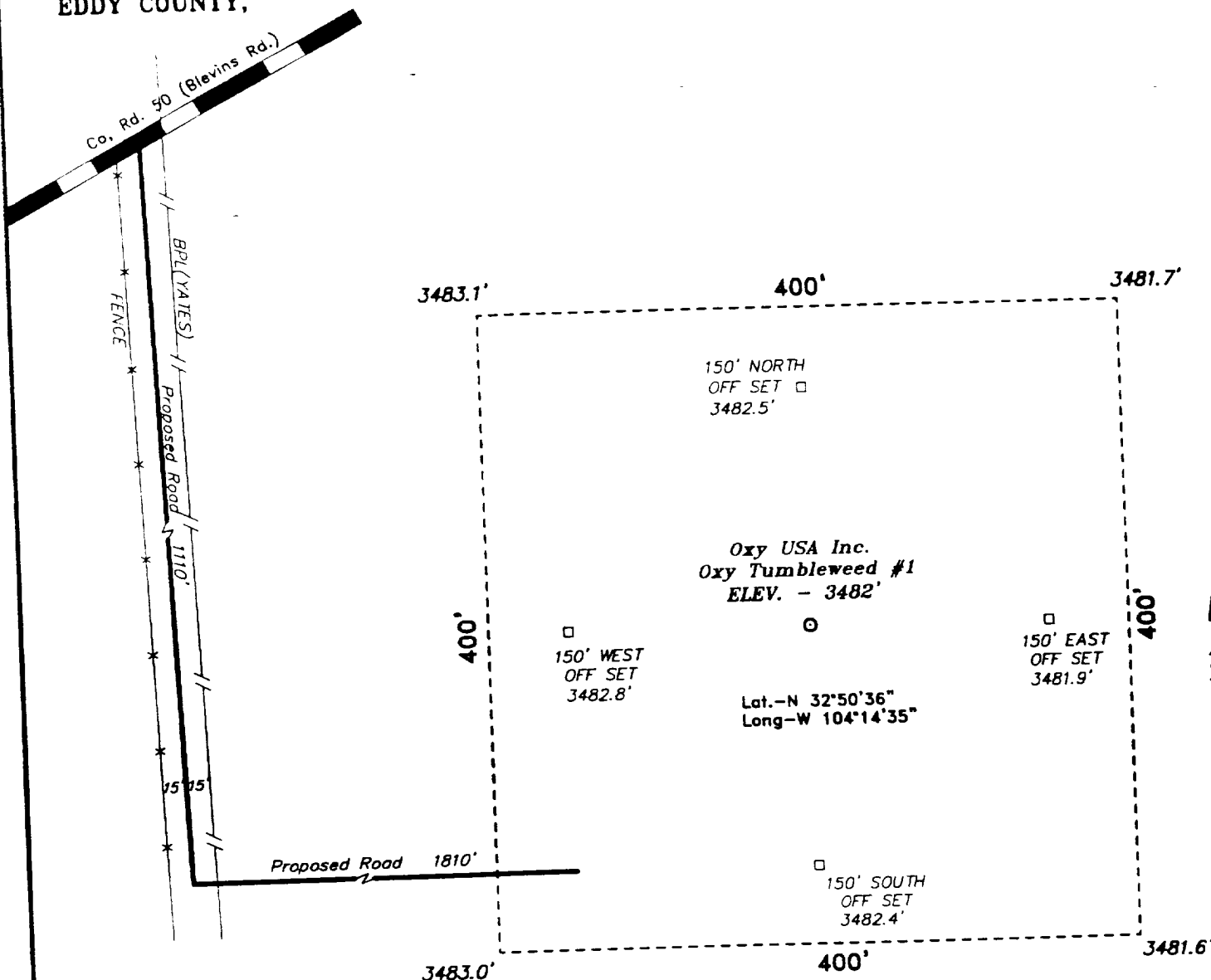
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                   |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|
| LOT 4 - 40.12 AC.                                                                                                                                                                                                                                                                                                                                                                                                                                          | LOT 3 - 39.96 AC. | LOT 2 - 39.80 AC. | LOT 1 - 39.64 AC. |
|                                                                                                                                                                                                                                                                                                                                                                         |                   |                   |                   |
| <b>OPERATOR CERTIFICATION</b><br><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i><br><br>Signature: <u>David Stewart</u><br>Printed Name: <u>David Stewart</u><br>Title: <u>Regulatory Analyst</u><br>Date: <u>8/4/99</u>                                                                                                                                                         |                   |                   |                   |
| <b>SURVEYOR CERTIFICATION</b><br><i>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 belief.</i><br><br>Date Surveyed: <u>August 3, 1999</u><br>Signature & Seal of Professional Surveyor: <u>[Signature]</u><br>W.O. No. <u>92354</u><br>Certificate No. <u>Garry L. Jones 7977</u><br>BASIN SURVEYS |                   |                   |                   |

**BLOWOUT PREVENTOR SCHEME**



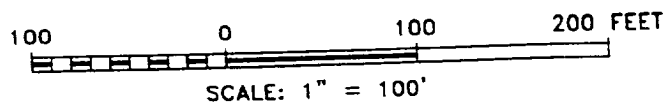
Shaffer 13 3/8" - 5,000 psi LWS Double Gate, 5,000 psi Shaffer Annular with 4" x 3" - 5,000 psi Oilmaster Choke Manifold and Koomey 6 Station Closing Unit, and 120 gallon Accumulator with Remote Control Panel

SECTION 2, TOWNSHIP 18 SOUTH, RANGE 25 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM JUNCTION US 285 & US 82, GO SOUTH ON  
US 285 4.0 MILES TO CO. RD. 50; THENCE  
SOUTHWEST 4.1 MILES TO TRAIL ROAD & PROPOSED  
LEASE RD.; THENCE SOUTH 1110 FEET; THENCE EAST  
1810 FEET TO SOUTHWEST CORNER OF PROPOSED  
WELL PAD.



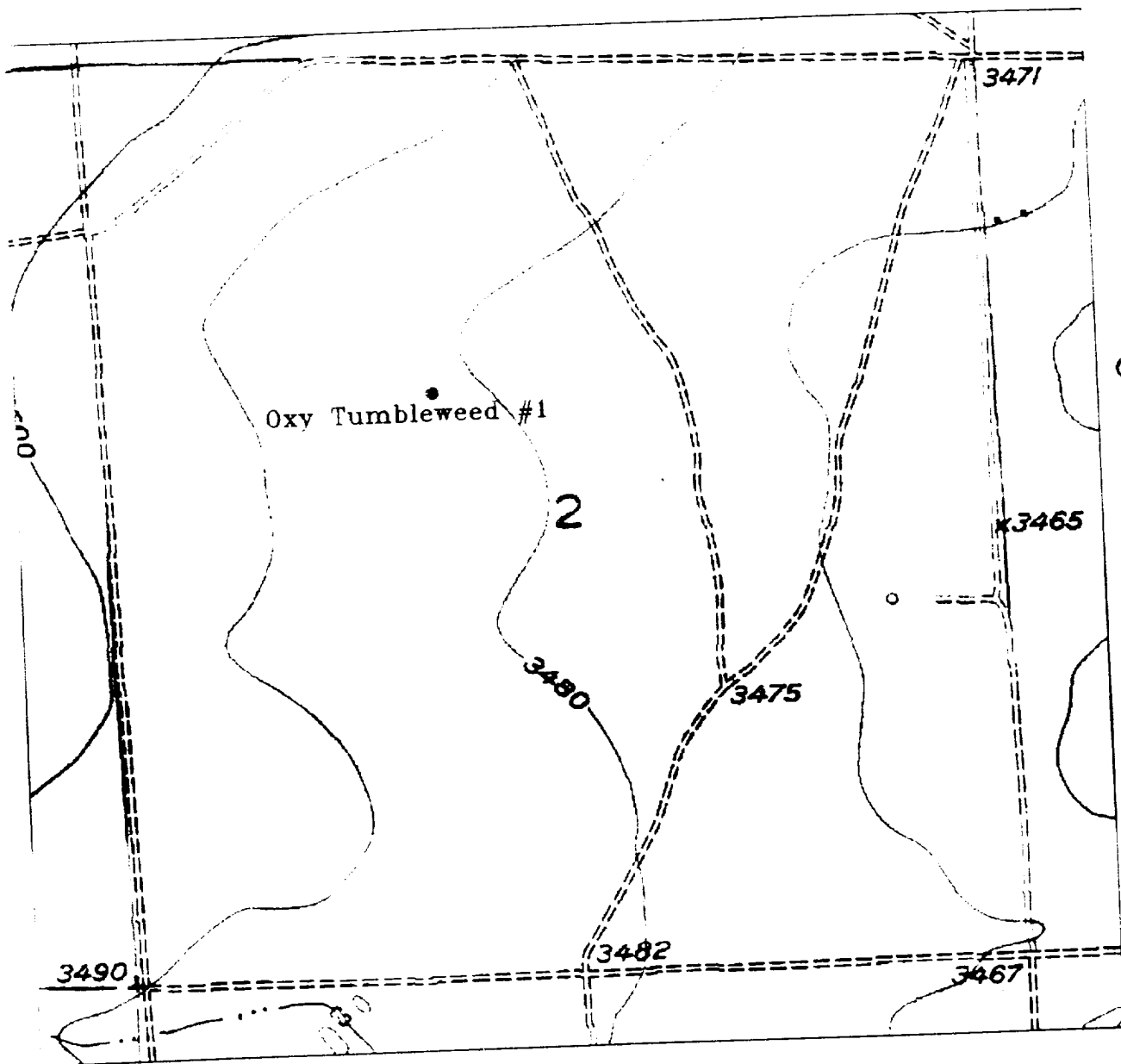
**Oxy USA Inc.**

REF. Oxy Tumbleweed No. 1 / Well Pad Topo

THE OXY TUMBLEWEED No. 1 LOCATED 1980' FROM  
THE NORTH LINE AND 1980' FROM THE WEST LINE OF  
SECTION 2, TOWNSHIP 18 SOUTH, RANGE 25 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

|                            |                   |                       |                     |
|----------------------------|-------------------|-----------------------|---------------------|
| W.O. Number: 9275          | Drawn By: K. GOAD | Survey Date: 08-02-99 | Sheet 1 of 1 Sheets |
| Disk: KJG #121 - 9275A.DWG |                   |                       |                     |



### Oxy Tumbleweed #1

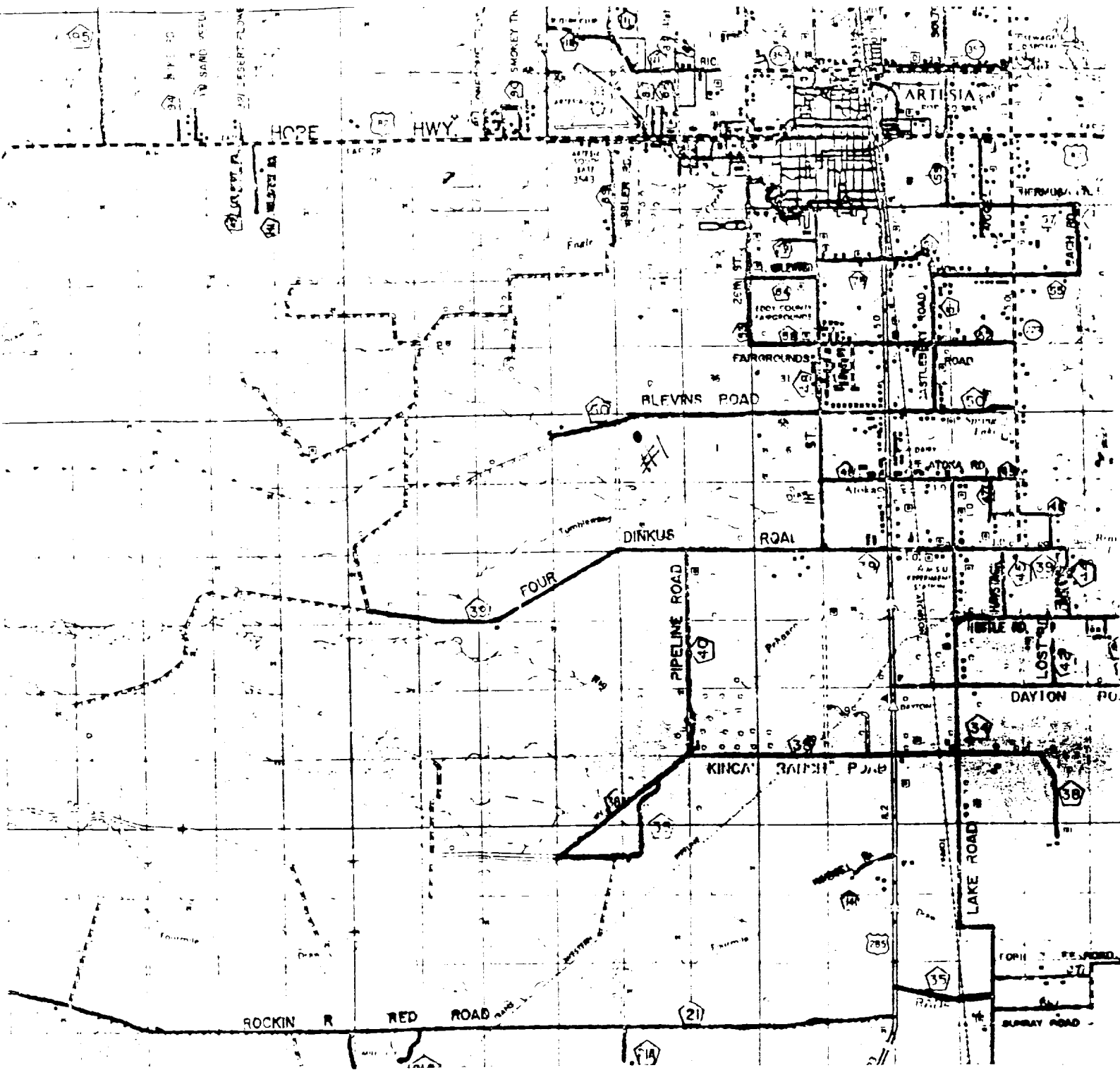
Located at 1980' FNL and 1980' FWL  
 Section 2, Township 18 South, Range 25 East.  
 T11.2 N., E41.1 W., County, New Mexico.



101. Oak St.  
 101. Oak St.  
 101. Oak St.  
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Oxy USA Inc.



OXY USA INC.  
 Oxy Tumbleweed #1  
 1980' FNL & 1980' FWL  
 Sec. 2, T-18-S, R-25-E,  
 Eddy County, New Mexico.

SCALE: 1"=2 MILES

**BASIN SURVEYS**

P.O. BOX 1786-HOBBS, NEW MEXICO