



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

July 1, 1997

Texaco Exploration & Production, Inc.
205 East Bender Blvd.
Hobbs, New Mexico 88240
Attention: Paula Ives

Administrative Order DD-178(H)
High Angle/Horizontal

Dear Ms. Ives:

Reference is made to your application dated June 9, 1997 for authorization to institute high angle/horizontal directionally drilling in the Dollarhide-Tubb Drinkard Pool within its Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area in Lea County, New Mexico.

The Division Director Finds That:

- (1) The application of Texaco Exploration & Production, Inc. ("Texaco") as Unit operator of the West Dollarhide Drinkard Unit (approved by Division Order No. R-3764, issued in Case 4133 and dated May 23, 1969) has been duly filed under the provisions of Rule 111.D and E of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2) Division Order No. R-3768, issued in Case 4134 and dated May 28, 1969, established the Skelly West Dollarhide Drinkard (Unit) Waterflood Project, comprising the following described area in Lea County, New Mexico, by the injection of water into the Dollarhide-Tubb Drinkard Pool:

TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM

- Section 19: W/2 NE/4, NW/4, N/2 SW/4, SE/4 SW/4, NW/4 SE/4, and S/2 SE/4
Section 20: SW/4 SW/4
Section 28: Lot 4 and S/2 SW/4
Section 29: SE/4 NE/4, W/2 NW/4, SE/4 NW/4, and S/2
Section 30: E/2 and E/2 W/2
Section 31: NE/4, E/2 NW/4, NE/4 SW/4, N/2 SE/4, and SE/4 SE/4
Section 32: All
Section 33: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 4: Lots 1, 2, 3, and 4 and S/2 NW/4
Section 5: Lots 1, 2, 3, and 4, S/2 N/2, and NE/4 SE/4
Section 6: Lot 1;

- (3) The Dollarhide-Tubb Drinkard Pool within the Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area is subject to the statewide rules and regulations for oil wells, as promulgated by **Rules 104.C(1) and F(1)** of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10533, issued by the Oil Conservation Commission in Case 11,351 on January 18, 1996, which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to the outer boundary of the lease or unitized area (pressure maintenance/waterflood project area), nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;
- (4) Texaco at this time is seeking to commence high angle/horizontal directional drilling in the Dollarhide-Tubb Drinkard Pool within its Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area, as described above in order to further enhance oil recovery from this existing secondary recovery project;
- (5) The "project area", pursuant to Division General Rule 111.A(7), for said high angle/horizontal drilling should coincide with that area described above as the Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area;
- (6) It is Texaco's intent to recomplete its West Dollarhide Drinkard Unit Well No. 126 (API No. **30-025-31973**), located 2450 feet from the South line and 150 feet from the West line (Unit L) of said Section 33 (see Division Administrative Order NSL-3255, as amended) by milling a window in the 5-1/2 inch production casing string at an approximate depth of 6,380 feet, kick-off in an easterly direction, and drill a high-angle hole a lateral distance of approximately 2000 feet through the Drinkard formation;
- (7) The applicable drilling window or "producing area", pursuant to Division General Rule 111.A(8), for said wellbore should include that area within the above-described Skelly West Dollarhide Drinkard (Unit) Waterflood Project Area and coinciding high angle/horizontal directional drilling project area that is no closer than 330 feet to its outer boundary; and,
- (8) It appears the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

(1) Texaco Exploration & Production, Inc. ("Texaco") as Unit operator of the West Dollarhide Drinkard Unit (approved by Division Order No. R-3764, issued in Case 4133 and dated May 23, 1969), is hereby authorized to commence high angle/horizontal directional drilling within the Dollarhide-Tubb Drinkard Pool in Lea County, New Mexico, by recompleting its West Dollarhide Drinkard Unit Well No. 126 (API No. 30-025-31973), located 2450 feet from the South line and 150 feet from the West line (Unit L) of said Section 33 (see Division Administrative Order NSL-3255, as amended) by milling a window in the 5-1/2 inch production casing string at an approximate depth of 6,380 feet, kick-off in an easterly direction, and drill a high-angle hole a lateral distance of approximately 2000 feet through the Drinkard formation.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED FURTHER THAT during or upon completion of said directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Hobbs District office of the Division of the date and time said wellbore survey is to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore survey to the Santa Fe and Hobbs offices of the Division upon completion.

(3) The "project area", pursuant to Division General Rule 111.A(7), for said high angle/horizontal drilling should coincide with the Skelly West Dollarhide Drinkard (Unit) Waterflood Project (approved by Division Order No. R-3768, issued in Case 4134 and dated May 28, 1969) comprising the following described area in Lea County, New Mexico:

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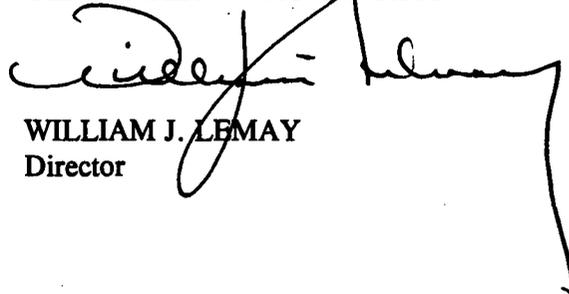
(5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F, and Order No. R-3768.

(6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth (TVD) in addition to measured depths (MVD).

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

SEAL

cc: Oil Conservation Division - Hobbs
New Mexico State Land Office - Santa Fe
U. S. Bureau of Land Management - Carlsbad
File: NSL-3255

DD-TEX. #9

Rec: 6-10-97

Susp: 6-30-97

Released: 7-1-97

July 1, 1997

Texaco Exploration & Production, Inc.
205 East Bender Blvd.
Hobbs, New Mexico 88240

Attention: Paula Ives

178
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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

cc: Oil Conservation Division - Hobbs
New Mexico State Land Office - Santa Fe
U. S. Bureau of Land Management - Carlsbad
File: NSL-3255



Texaco E & P

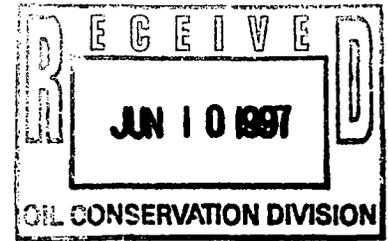
205 E. Bender Blvd.
Hobbs NM 88240
505 393 7191

June 9, 1997

DD 6/30/97

GOV - STATE AND LOCAL GOVERNMENTS

Directional Drilling - Horizontal
West Dollarhide Drinkard Unit #126, (API No. 30-025-31973)
Unit Letter L, Section 33, Township 24 South, Range 38 East
Drinkard Formation
Lea County, New Mexico



State of New Mexico
Energy and Minerals Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Attention: Mr. David Catanach,

Gentlemen:

Administrative approval, Rule 111.D , is requested to enter Texaco's West Dollarhide Drinkard Unit #126 (API No. 30-025-31973), and drill a horizontal lateral in the Drinkard Pool.

The West Dollarhide Drinkard Unit #126 (API No. 30-025-31973), is a 1993 completion that has never produced over 30 bopd. It is a candidate to drill a horizontal section in the Drinkard Pool due to its location and nature of the reservoir. The proposed lateral will oscillate to cover ~ 150' of gross Drinkard sand. Analytical modeling indicates an incremental production potential of ~ (105 MBO and 115.5 MMSCF). This horizontal process may present a viable method for future exploitation of the West Dollarhide Drinkard Unit's reserves. Application of horizontal technology in this case is estimated to cost less than drilling a conventional vertical well with the potential of increasing the ultimate recoverable reserves from this otherwise "depleted" reservoir.

Attached for your information is a copy of our directional plans, a type log section, and Form C-102.

This well is in the Unit and does not encroach any boundaries. The "affected" offset operators to this well is Texaco and the Texas State Line. No other operators will have to be notified.

Any questions concerning this request should be directed to me at (505)397-0432.

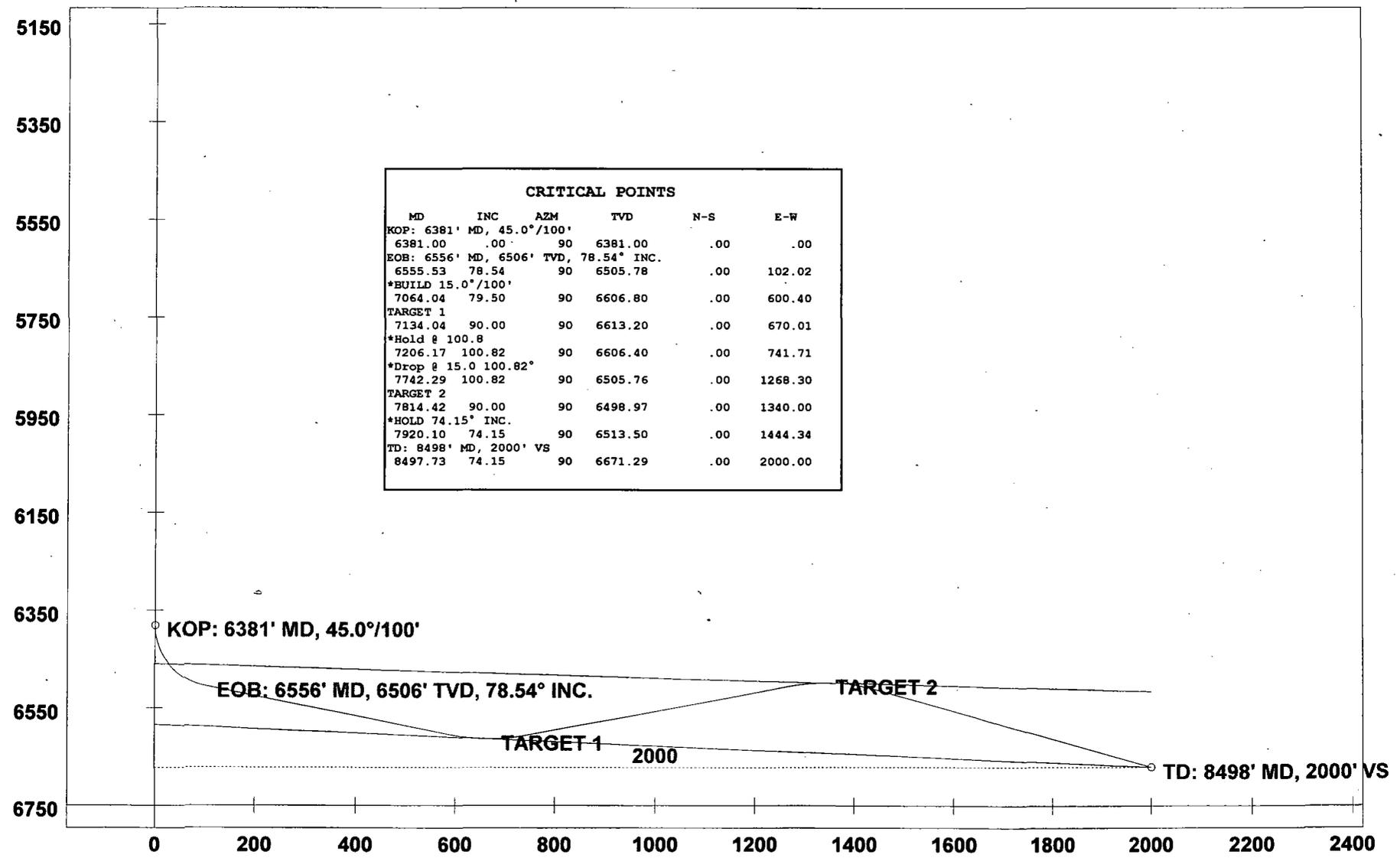
Yours very truly,

Paula S. Ives
Engineer Assistant

cc: NMOCD, P.O. Box 1980, Hobbs, NM 88240
Attachments

Job Number: P97-225
Company: TEXACO E & P, INC.
Lease/Well: WEST DOLLARHIDE DRINKARD UNIT #126
Location: LEA CO., NEW MEXICO
File name: C:\WINSERVE\DOLDR126.SVY
Date/Time: Friday, May 16, 1997

TRUE VERTICAL DEPTH (Ft)



-- PRELIMINARY WELL PLAN

VERTICAL SECTION (Ft) @ 90.00°

| Measured Depth FT | Incl Angle Deg | Drift Direction Deg | True Vertical Depth | Subsea TVD FT | N-S FT | E-W FT | Vertical Section FT | CLOSURE Distance FT Direction Deg | | Dogleg Severity Deg/100 |
|----------------------------|-------------------|------------------------|------------------------|------------------|-----------|-----------|------------------------|--------------------------------------|-------|----------------------------|
| BUILD 15.0°/100' | | | | | | | | | | |
| 7064.04 | 79.50 | 90.00 | 6606.80 | 3417.80 | .00 | 600.40 | 600.40 | 600.40 | 90.00 | 15.00 |
| 7074.04 | 81.00 | 90.00 | 6608.49 | 3419.49 | .00 | 610.26 | 610.26 | 610.26 | 90.00 | 15.00 |
| 7084.04 | 82.50 | 90.00 | 6609.93 | 3420.93 | .00 | 620.15 | 620.15 | 620.15 | 90.00 | 15.00 |
| 7094.04 | 84.00 | 90.00 | 6611.10 | 3422.10 | .00 | 630.08 | 630.08 | 630.08 | 90.00 | 15.00 |
| 7104.04 | 85.50 | 90.00 | 6612.02 | 3423.02 | .00 | 640.04 | 640.04 | 640.04 | 90.00 | 15.00 |
| 7114.04 | 87.00 | 90.00 | 6612.67 | 3423.67 | .00 | 650.02 | 650.02 | 650.02 | 90.00 | 15.00 |
| 7124.04 | 88.50 | 90.00 | 6613.06 | 3424.06 | .00 | 660.01 | 660.01 | 660.01 | 90.00 | 15.00 |
| TARGET 1 | | | | | | | | | | |
| 7134.04 | 90.00 | 90.00 | 6613.20 | 3424.20 | .00 | 670.01 | 670.01 | 670.01 | 90.00 | 15.00 |
| 7144.04 | 91.50 | 90.00 | 6613.06 | 3424.06 | .00 | 680.01 | 680.01 | 680.01 | 90.00 | 15.00 |
| 7154.04 | 93.00 | 90.00 | 6612.67 | 3423.67 | .00 | 690.00 | 690.00 | 690.00 | 90.00 | 15.00 |
| 7164.04 | 94.50 | 90.00 | 6612.02 | 3423.02 | .00 | 699.98 | 699.98 | 699.98 | 90.00 | 15.00 |
| 7174.04 | 96.00 | 90.00 | 6611.10 | 3422.10 | .00 | 709.94 | 709.94 | 709.94 | 90.00 | 15.00 |
| 7184.04 | 97.50 | 90.00 | 6609.93 | 3420.93 | .00 | 719.87 | 719.87 | 719.87 | 90.00 | 15.00 |
| 7194.04 | 99.00 | 90.00 | 6608.49 | 3419.49 | .00 | 729.76 | 729.76 | 729.76 | 90.00 | 15.00 |
| 7204.04 | 100.50 | 90.00 | 6606.80 | 3417.80 | .00 | 739.62 | 739.62 | 739.62 | 90.00 | 15.00 |
| Hold @ 100.8 | | | | | | | | | | |
| 7206.17 | 100.82 | 90.00 | 6606.40 | 3417.40 | .00 | 741.71 | 741.71 | 741.71 | 90.00 | 15.00 |
| 7306.17 | 100.82 | 90.00 | 6587.63 | 3398.63 | .00 | 839.94 | 839.94 | 839.94 | 90.00 | .00 |
| 7406.17 | 100.82 | 90.00 | 6568.86 | 3379.86 | .00 | 938.16 | 938.16 | 938.16 | 90.00 | .00 |
| 7506.17 | 100.82 | 90.00 | 6550.09 | 3361.09 | .00 | 1036.38 | 1036.38 | 1036.38 | 90.00 | .00 |
| 7606.17 | 100.82 | 90.00 | 6531.32 | 3342.32 | .00 | 1134.60 | 1134.60 | 1134.60 | 90.00 | .00 |
| 7706.17 | 100.82 | 90.00 | 6512.54 | 3323.54 | .00 | 1232.82 | 1232.82 | 1232.82 | 90.00 | .00 |
| Drop @ 15.0 100.82° | | | | | | | | | | |
| 7742.29 | 100.82 | 90.00 | 6505.76 | 3316.76 | .00 | 1268.30 | 1268.30 | 1268.30 | 90.00 | .00 |
| 7742.29 | 100.82 | 90.00 | 6505.76 | 3316.76 | .00 | 1268.30 | 1268.30 | 1268.30 | 90.00 | 15.00 |
| 7744.42 | 100.50 | 90.00 | 6505.37 | 3316.37 | .00 | 1270.39 | 1270.39 | 1270.39 | 90.00 | 15.00 |
| 7754.42 | 99.00 | 90.00 | 6503.68 | 3314.68 | .00 | 1280.25 | 1280.25 | 1280.25 | 90.00 | 15.00 |
| 7764.42 | 97.50 | 90.00 | 6502.24 | 3313.24 | .00 | 1290.14 | 1290.14 | 1290.14 | 90.00 | 15.00 |
| 7774.42 | 96.00 | 90.00 | 6501.07 | 3312.07 | .00 | 1300.07 | 1300.07 | 1300.07 | 90.00 | 15.00 |
| 7784.42 | 94.50 | 90.00 | 6500.15 | 3311.15 | .00 | 1310.03 | 1310.03 | 1310.03 | 90.00 | 15.00 |
| 7794.42 | 93.00 | 90.00 | 6499.50 | 3310.50 | .00 | 1320.01 | 1320.01 | 1320.01 | 90.00 | 15.00 |
| 7804.42 | 91.50 | 90.00 | 6499.11 | 3310.11 | .00 | 1330.00 | 1330.00 | 1330.00 | 90.00 | 15.00 |
| TARGET 2 | | | | | | | | | | |
| 7814.42 | 90.00 | 90.00 | 6498.97 | 3309.97 | .00 | 1340.00 | 1340.00 | 1340.00 | 90.00 | 15.00 |
| 7824.42 | 88.50 | 90.00 | 6499.11 | 3310.11 | .00 | 1350.00 | 1350.00 | 1350.00 | 90.00 | 15.00 |
| 7834.42 | 87.00 | 90.00 | 6499.50 | 3310.50 | .00 | 1359.99 | 1359.99 | 1359.99 | 90.00 | 15.00 |
| 7844.42 | 85.50 | 90.00 | 6500.15 | 3311.15 | .00 | 1369.97 | 1369.97 | 1369.97 | 90.00 | 15.00 |
| 7854.42 | 84.00 | 90.00 | 6501.07 | 3312.07 | .00 | 1379.93 | 1379.93 | 1379.93 | 90.00 | 15.00 |
| 7864.42 | 82.50 | 90.00 | 6502.24 | 3313.24 | .00 | 1389.86 | 1389.86 | 1389.86 | 90.00 | 15.00 |
| 7874.42 | 81.00 | 90.00 | 6503.68 | 3314.68 | .00 | 1399.75 | 1399.75 | 1399.75 | 90.00 | 15.00 |

| Measured Depth FT | Incl Angle Deg | Drift Direction Deg | True Vertical Depth | Subsea TVD FT | N-S FT | E-W FT | Vertical Section FT | CLOSURE Distance FT | Direction Deg | Dogleg Severity Deg/100 |
|-------------------------------|----------------------|---------------------------|---------------------------|---------------------|-----------|-----------|---------------------------|---------------------------|------------------|-------------------------------|
| 7884.42 | 79.50 | 90.00 | 6505.37 | 3316.37 | .00 | 1409.61 | 1409.61 | 1409.61 | 90.00 | 15.00 |
| 7894.42 | 78.00 | 90.00 | 6507.32 | 3318.32 | .00 | 1419.42 | 1419.42 | 1419.42 | 90.00 | 15.00 |
| 7904.42 | 76.50 | 90.00 | 6509.53 | 3320.53 | .00 | 1429.17 | 1429.17 | 1429.17 | 90.00 | 15.00 |
| 7914.42 | 75.00 | 90.00 | 6511.99 | 3322.99 | .00 | 1438.86 | 1438.86 | 1438.86 | 90.00 | 15.00 |
| HOLD 74.15° INC. | | | | | | | | | | |
| 7920.10 | 74.15 | 90.00 | 6513.50 | 3324.50 | .00 | 1444.34 | 1444.34 | 1444.34 | 90.00 | 15.00 |
| 8020.10 | 74.15 | 90.00 | 6540.82 | 3351.82 | .00 | 1540.54 | 1540.54 | 1540.54 | 90.00 | .00 |
| 8120.10 | 74.15 | 90.00 | 6568.13 | 3379.13 | .00 | 1636.73 | 1636.73 | 1636.73 | 90.00 | .00 |
| 8220.10 | 74.15 | 90.00 | 6595.45 | 3406.45 | .00 | 1732.93 | 1732.93 | 1732.93 | 90.00 | .00 |
| 8320.10 | 74.15 | 90.00 | 6622.77 | 3433.77 | .00 | 1829.13 | 1829.13 | 1829.13 | 90.00 | .00 |
| 8420.10 | 74.15 | 90.00 | 6650.08 | 3461.08 | .00 | 1925.32 | 1925.32 | 1925.32 | 90.00 | .00 |
| TD: 8498' MD, 2000' VS | | | | | | | | | | |
| 8497.73 | 74.15 | 90.00 | 6671.29 | 3482.29 | .00 | 2000.00 | 2000.00 | 2000.00 | 90.00 | .00 |

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88241-1980
 DISTRICT II
 P.O. Box Drawer DD, Artesia, NM 88211-0719
 DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410
 DISTRICT IV
 P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
 Energy, Minerals and Natural Resources Department

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|--|--|
| ¹ API Number 30 025 31973 | ² Pool Code 18830 | ³ Pool Name DOLLARHIDE TUBB DRINKARD |
| ⁴ Property Code 010926 | ⁵ Property Name WEST DOLLARHIDE DRINKARD UNIT | |
| ⁷ OGRID Number 022351 | ⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC. | ⁶ Well No. 126 |
| | | ⁹ Elevation GR-3176', KB-3189' |

¹⁰ Surface Location

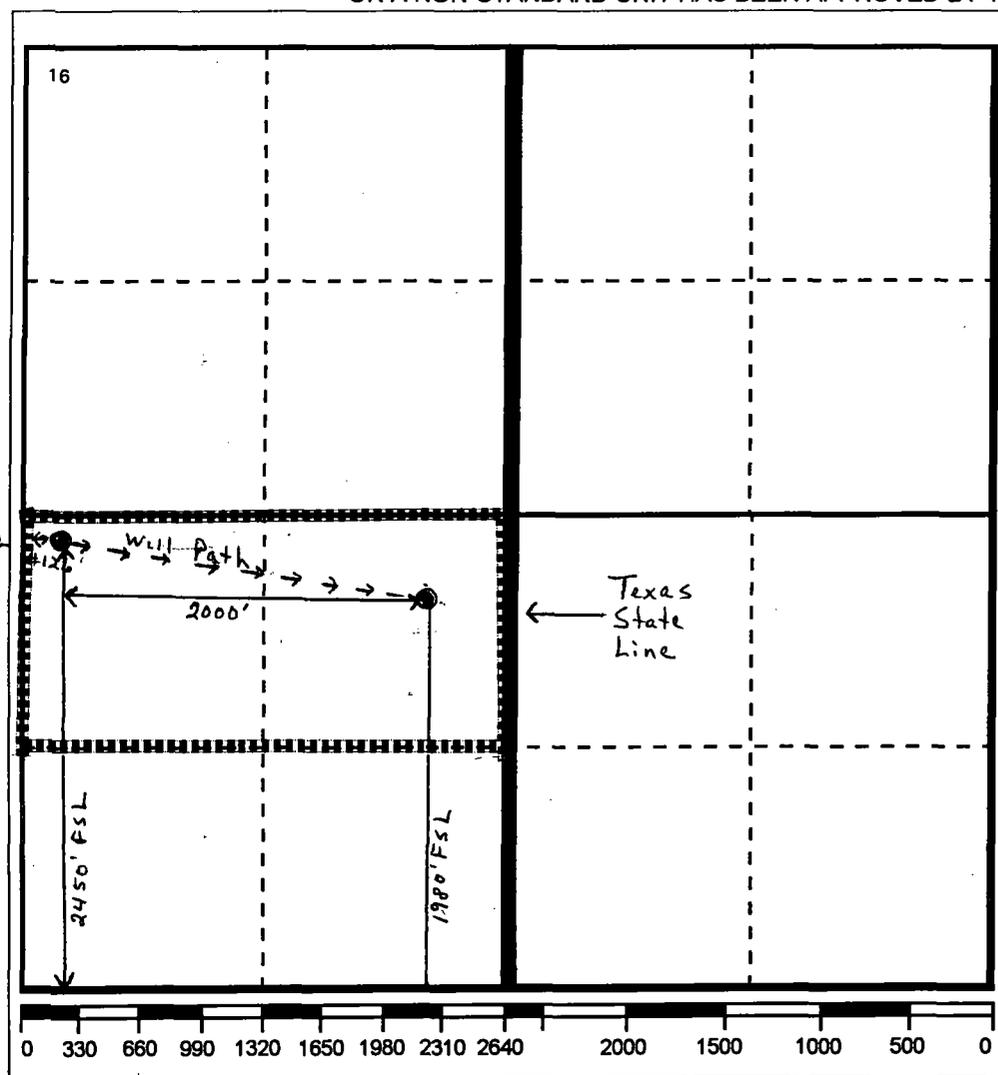
| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet From The | North/South Line | Feet From The | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L | 33 | 24-S | 38-E | | 2450 | SOUTH | 150 | WEST | LEA |

¹¹ 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|-------------------------------------|-------------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 80 | ¹³ Joint or Infill No | ¹⁴ Consolidation Code | ¹⁵ 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



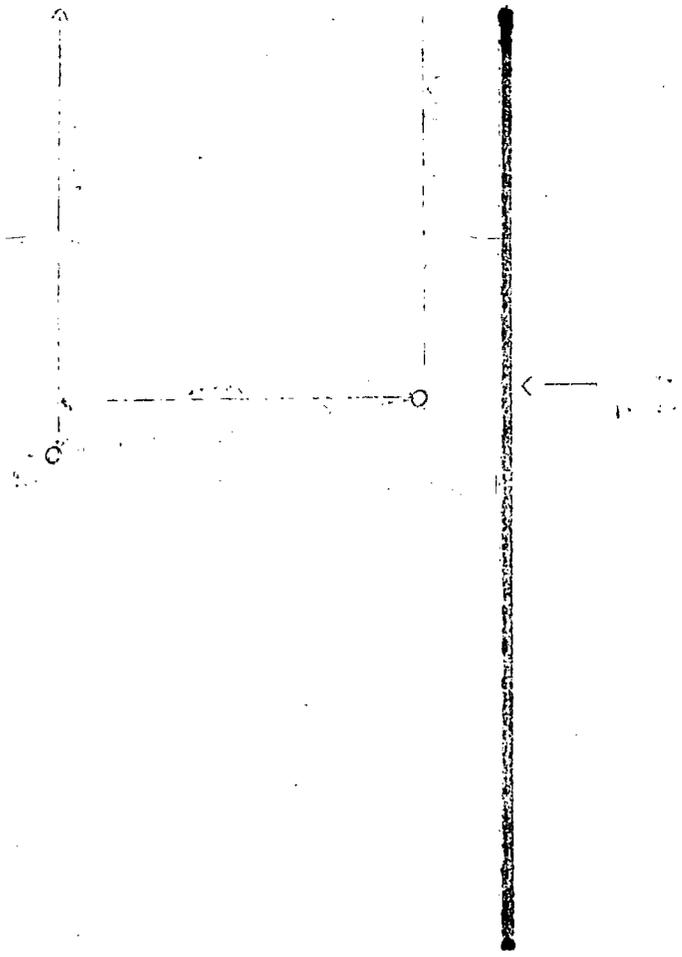
¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

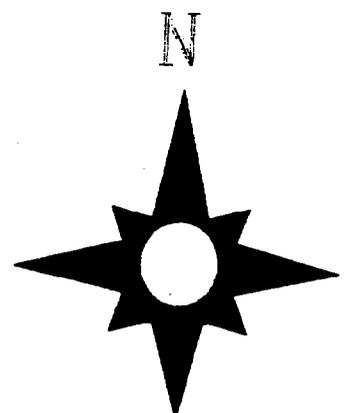
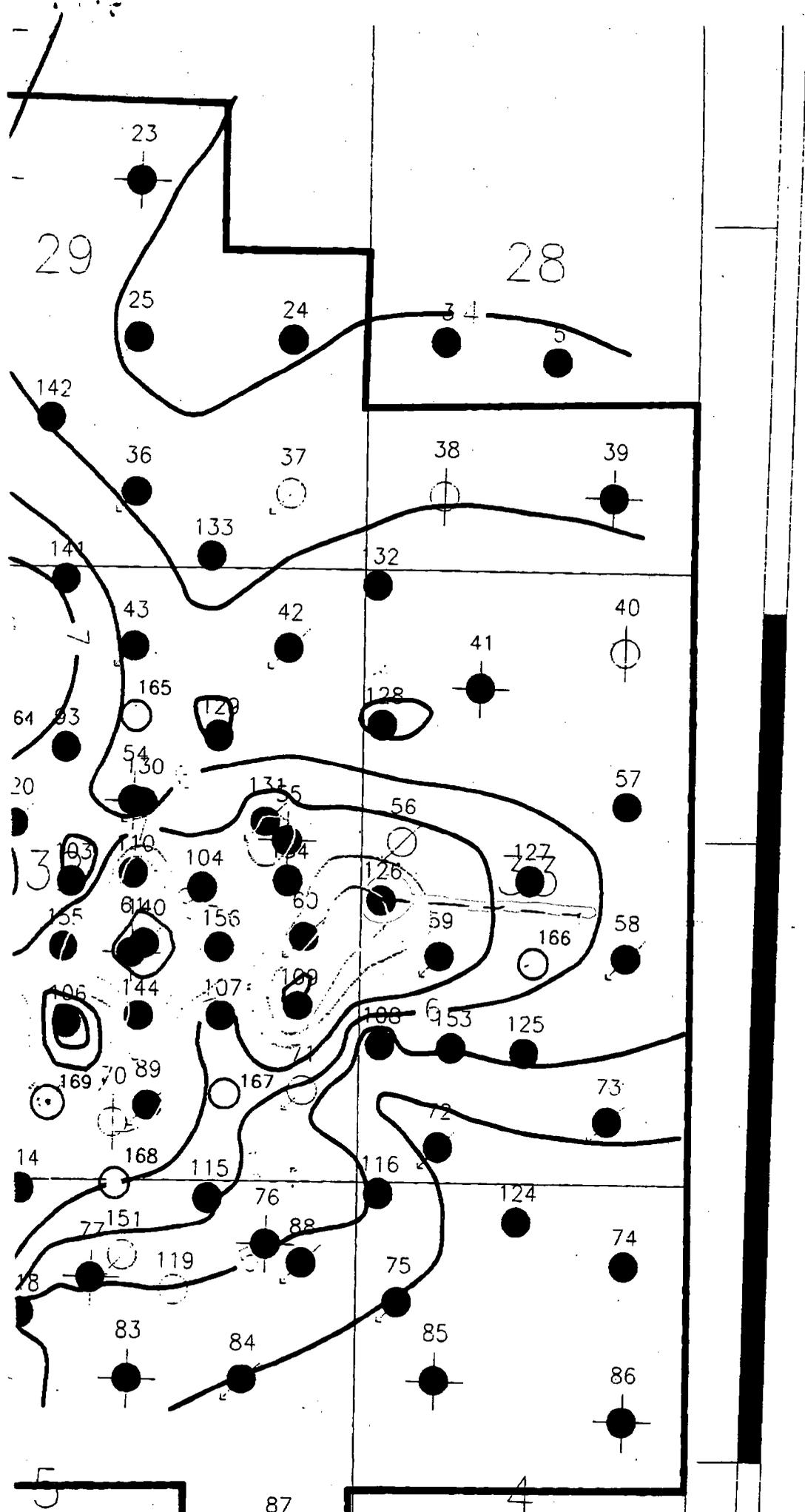
Signature
Paula S. Ives
 Printed Name
 Paula S. Ives
 Position
 Engineering Assistant
 Date
 6/9/97

¹⁸ SURVEYOR CERTIFICATION
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
 Signature & Seal of Professional Surveyor

Certificate No.





BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 4133
Order No. R-3764

APPLICATION OF SKELLY OIL COMPANY
FOR APPROVAL OF THE WEST DOLLARHIDE
DRINKARD UNIT AGREEMENT, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 21, 1969,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 23rd day of May, 1969, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Skelly Oil Company, seeks approval
of the West Dollarhide Drinkard Unit Agreement covering 3,533.52
acres, more or less, of State, Federal, and Fee lands described
as follows:

LEA COUNTY, NEW MEXICO
TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM
Section 19: NW/4, W/2 NE/4, NW/4 SW/4,
E/2 SW/4, NW/4 SE/4, and
S/2 SE/4
Section 20: SW/4 SW/4

TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM - Continued

Section 28: SE/4 SW/4, SW/4 SW/4, and
Lot 4

Section 29: NW/4 NW/4, S/2 NW/4, SW/4 NE/4,
and S/2

Section 30: E/2 W/2 and E/2

Section 31: E/2 NW/4, NE/4, NE/4 SW/4,
N/2 SE/4, and SE/4 SE/4

Section 32: All

Section 33: W/2 and Lots 1, 2, 3, and 4 **PII**

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 4: SW/4 NW/4, SE/4 NW/4, and
Lots 1, 2, 3, and 4

Section 5: S/2 N/2, NE/4 SE/4, and
Lots 1, 2, 3, and 4

Section 6: Lot 1

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

(1) That the West Dollarhide Drinkard Unit Agreement is hereby approved.

(2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.

(3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement

reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

esr/

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 4134
Order No. R-3768

APPLICATION OF SKELLY OIL COMPANY
FOR A WATERFLOOD PROJECT, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 21, 1969,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 28th day of May, 1969, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Skelly Oil Company, seeks permis-
sion to institute a waterflood project in the West Dollarhide
Drinkard Unit Area, Dollarhide Tubb-Drinkard Pool, by the injec-
tion of water into the Tubb-Drinkard formation through 43 injec-
tion wells in Townships 24 and 25 South, Range 38 East, NMPM,
Lea County, New Mexico.

(3) That the applicant further seeks an administrative
procedure whereby said project could be expanded to include
additional lands and injection wells in the area of the said
project as may be necessary in order to complete an efficient
injection pattern; that said administrative procedure should
provide for administrative approval for conversion to water
injection in exception to the well response requirements of
Rule 701 E-5 of the Commission Rules and Regulations.

CASE No. 4134
Order No. R-3768

(4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(5) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

IT IS THEREFORE ORDERED:

(1) That the applicant, Skelly Oil Company, is hereby authorized to institute a waterflood project in the West Dollarhide Drinkard Unit Area, Dollarhide Tubb-Drinkard Pool, by the injection of water into the Tubb-Drinkard formation through the following-described 43 wells in Lea County, New Mexico:

| <u>COMPANY</u> | <u>LEASE</u> | <u>Well No.</u> | <u>Unit</u> | <u>LOCATION</u> | | |
|------------------------|--------------------|-----------------|-------------|-----------------|----------|----------|
| | | | | <u>Sec.</u> | <u>T</u> | <u>R</u> |
| Texaco Inc. | Paul Stephens | 2 | D | 19 | 24S | 38E |
| Texaco Inc. | E. M. Byers | 1 | L | 19 | 24S | 38E |
| Texaco Inc. | United Royalty "A" | 3 | F | 19 | 24S | 38E |
| Texaco Inc. | United Royalty "A" | 5 | N | 19 | 24S | 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 21 | B | 19 | 24S | 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 19 | J | 19 | 24S | 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 18 | P | 19 | 24S | 38E |
| Gulf Oil Corporation | Ramsay "D" | 2 | N | 28 | 24S | 38E |
| Skelly Oil Company | Mexico "K" | 1 | P | 29 | 24S | 38E |
| Skelly Oil Company | Mexico "K" | 4 | N | 29 | 24S | 38E |
| Skelly Oil Company | Mexico "K" | 6 | L | 29 | 24S | 38E |
| Skelly Oil Company | Mexico "K" | 9 | J | 29 | 24S | 38E |
| Skelly Oil Company | Mexico "K" | 13 | F | 29 | 24S | 38E |
| Skelly Oil Company | Mexico "K" | 15 | D | 29 | 24S | 38E |
| Ralph Lowe | F. Hair | 1 | F | 30 | 24S | 38E |
| Sinclair Oil & Gas Co. | L. E. Vance | 1 | N | 30 | 24S | 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 1 | P | 30 | 24S | 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 5 | J | 30 | 24S | 38E |

CASE No. 4134
Order No. R-3768

| COMPANY | LEASE | Well | | LOCATION | | |
|------------------------|--------------|------|------|----------|-----|-----|
| | | No. | Unit | Sec. | T | R |
| Sinclair Oil & Gas Co. | McClure Fed. | 8 | H | 30 | 24S | 38E |
| Sinclair Oil & Gas Co. | McClure Fed. | 16 | B | 30 | 24S | 38E |
| Texaco Inc. | J. B. McGhee | 6 | J | 31 | 24S | 38E |
| Texaco Inc. | J. B. McGhee | 7 | P | 31 | 24S | 38E |
| Elliott Production | Elliott "H" | 7 | B | 31 | 24S | 38E |
| Elliott and Hall | Elliott "R" | 1 | H | 31 | 24S | 38E |
| Sunshine Royalty | Elliott Fed. | 1 | F | 31 | 24S | 38E |
| Skelly Oil Company | Mexico "J" | 7 | L | 32 | 24S | 38E |
| Skelly Oil Company | Mexico "J" | 9 | J | 32 | 24S | 38E |
| Skelly Oil Company | Mexico "J" | 16 | P | 32 | 24S | 38E |
| Skelly Oil Company | Mexico "J" | 20 | N | 32 | 24S | 38E |
| Pan American | State "Y" | 11 | H | 32 | 24S | 38E |
| Pan American | State "Y" | 8 | F | 32 | 24S | 38E |
| Pan American | State "Y" | 10 | B | 32 | 24S | 38E |
| Pan American | State "Y" | 6 | D | 32 | 24S | 38E |
| Gulf Oil Corporation | Leonard "I" | 2 | F | 33 | 24S | 38E |
| Gulf Oil Corporation | Leonard "G" | 11 | D | 33 | 24S | 38E |
| Gulf Oil Corporation | Leonard "G" | 14 | L | 33 | 24S | 38E |
| Gulf Oil Corporation | Leonard "G" | 15 | N | 33 | 24S | 38E |
| Gulf Oil Corporation | Leonard "G" | 12 | F | 4 | 25S | 38E |
| Gulf Oil Corporation | Leonard "G" | 19 | D | 4 | 25S | 38E |
| Skelly Oil Company | Mexico "L" | 15 | D | 5 | 25S | 38E |
| Skelly Oil Company | Mexico "L" | 17 | B | 5 | 25S | 38E |
| Skelly Oil Company | Mexico "L" | 18 | H | 5 | 25S | 38E |
| Skelly Oil Company | Mexico "L" | 20 | F | 5 | 25S | 38E |

(2) That the subject waterflood project is hereby designated the Skelly West Dollarhide Drinkard Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of the Skelly West Dollarhide Drinkard Waterflood Project to include such additional lands and injection wells in the area of said project as may be necessary to complete an efficient water injection pattern; that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

-4-

CASE No. 4134

Order No. R-3768

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

esr/



STATE OF NEW MEXICO
 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
 GOVERNOR

ANITA LOCKWOOD
 CABINET SECRETARY

June 2, 1993

POST OFFICE BOX 2088
 STATE LAND OFFICE BUILDING
 SANTA FE, NEW MEXICO 87504
 (505) 827-5800

Texaco Exploration and Production, Inc.
 P.O. Box 3109
 Midland, TX 79702

Attention: C.P. Basham

Administrative Order NSL-3255

Dear Mr. Basham:

Reference is made to your applications dated May 10 and 26, 1993 for eleven unorthodox oil well locations for the purpose of completing an efficient injection/production pattern within your Skelly West Dollarhide Drinkard Waterflood Project Area, established by Division Order No. R-3768, dated May 28, 1969.

The following described wells are to be located in Township 24 South, Range 38 East, NMPM, Dollarhide Tubb-Drinkard Pool, West Dollarhide Drinkard Unit Area, Lea County, New Mexico:

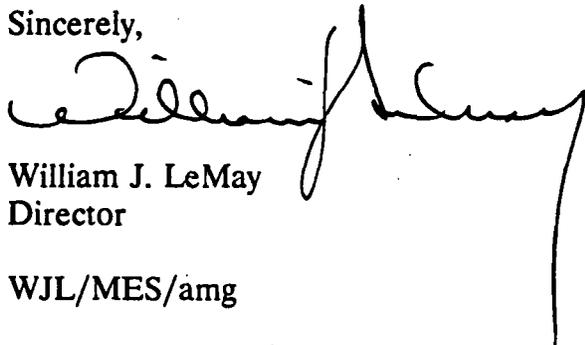
| <i>Well No.</i> | <i>Footage Location</i> | <i>Unit</i> | <i>Section</i> | <i>Dedicated 40-Acre Tract</i> |
|-----------------|-------------------------|-------------|----------------|--------------------------------|
| 123 | 1275' FSL - 200' FWL | M | 32 | SW/4 SW/4 |
| 125 | 1150' FSL - 1400' FWL | N | 33 | SE/4 SW/4 |
| 126 | 2450' FSL - 150' FWL | L | 33 | NW/4 SW/4 |
| 127 | 2630' FNL - 1440' FWL | K | 33 | SE/4 NW/4 |
| 128 | 1310' FNL - 150' FWL | D | 33 | NW/4 NW/4 |
| 132 | 115' FNL - 100' FWL | D | 33 | NW/4 NW/4 |
| 133 | 110' FSL - 1330' FEL | O | 29 | SW/4 SE/4 |
| 134 | 1700' FNL - 1300' FEL | H | 30 | SE/4 NE/4 |

Administrative Order NSL-3255
Texaco Exploration and Production, Inc.
June 2, 1993
Page 2

| <i>Well No.</i> | <i>Footage Location</i> | <i>Unit</i> | <i>Section</i> | <i>Dedicated 40-Acre Tract</i> |
|-----------------|-------------------------|-------------|----------------|--------------------------------|
| 135 | 1450' FNL - 2400' FEL | G | 30 | SW/4 NE/4 |
| 136 | 200' FNL - 2350' FEL | B | 30 | NW/4 NE/4 |
| 138 | 2630' FNL - 1450' FWL | F | 19 | SE/4 NW/4 |

By the authority granted me under the provisions of General Rule 104 F.(1), the above-described unorthodox oil well locations are hereby approved.

Sincerely,



William J. LeMay
Director

WJL/MES/amg

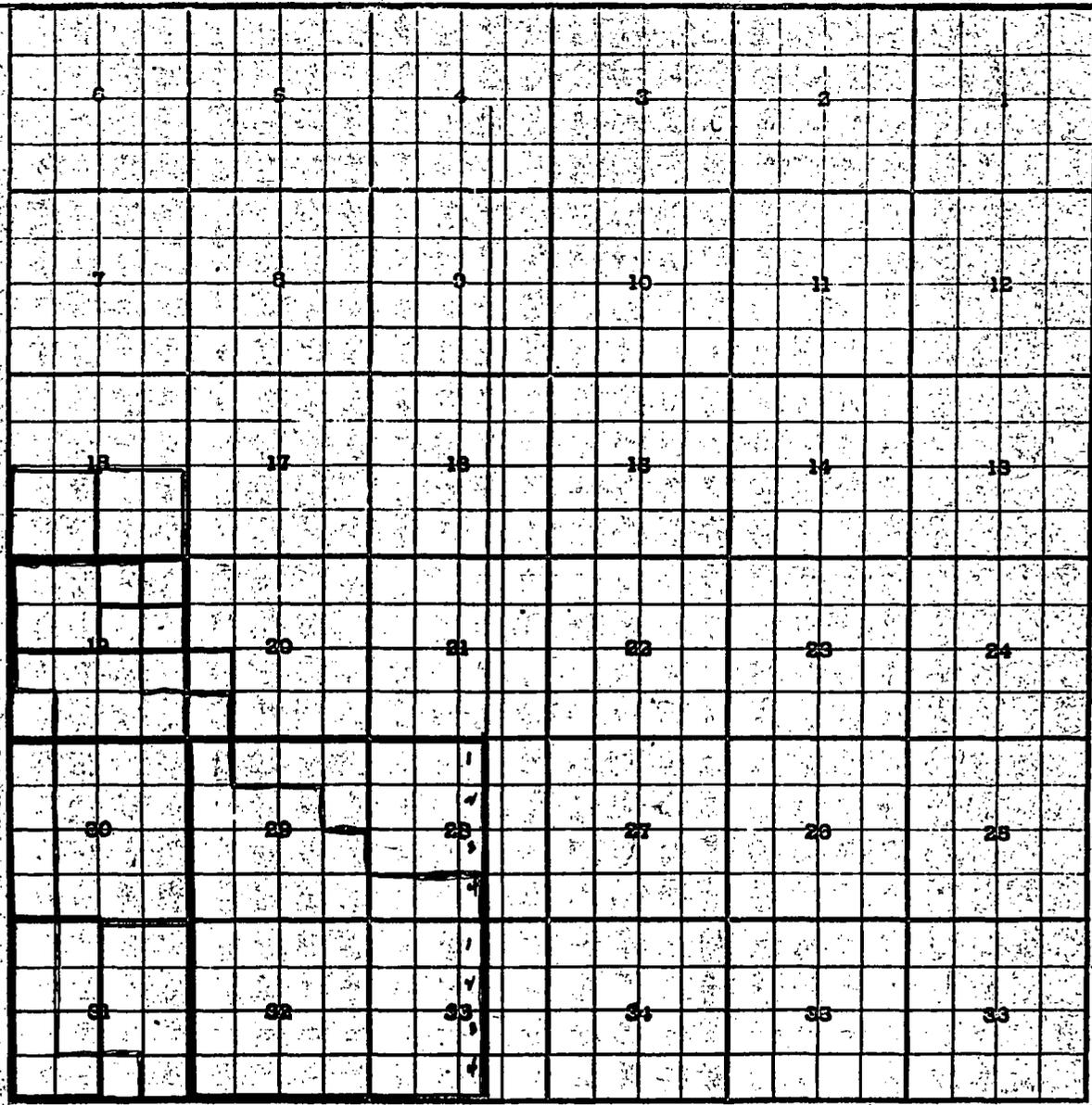
cc: Oil Conservation Division - Hobbs

Dollarhide Tubb-Drinkard

County Lea

Pool Dollarhide-Drinkard

TOWNSHIP 24 South, RANGE 38 East, NEW MEXICO PRINCIPAL MERIDIAN



Description: All Secs 28, 29, 32 & 33. (R-132, 3-26-52)

Ext: E/2 Sec. 31 (R-207) - All Sec. 30 (Name Chg.) (R-328)

• S/2 Sec. 19; W/2 Sec. 31 (R-400) - S/2 NE/4 Sec. 19 (R-982, 4-23-57)

" N/2 NE/4 Sec. 19 (R-1008, 5-29-57) - NW/4 Sec. 19; W/2 SW/4 Sec. 20 (R-1023, 7-30-57)

Vertical limits extended to include Tubb formation - Redesignate (R-3267, 7-1-67)

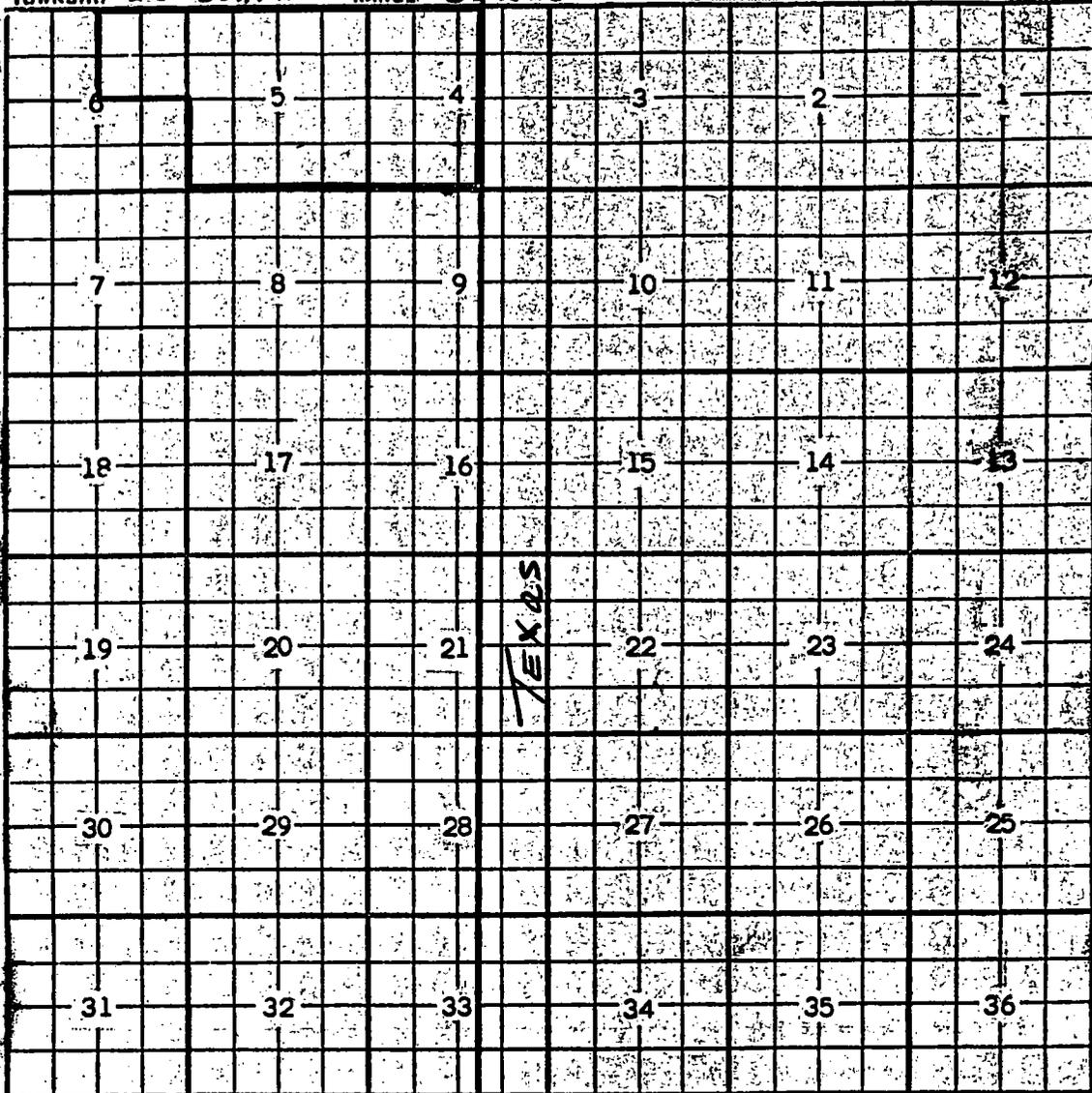
Ext: ^{SW} 1/4 Sec 18 (R-6576, 2-10-81) Ext: ^{SE} 1/4 Sec 18 (R-7131, 11-30-82)

Dollarhide Tubb Brinkard

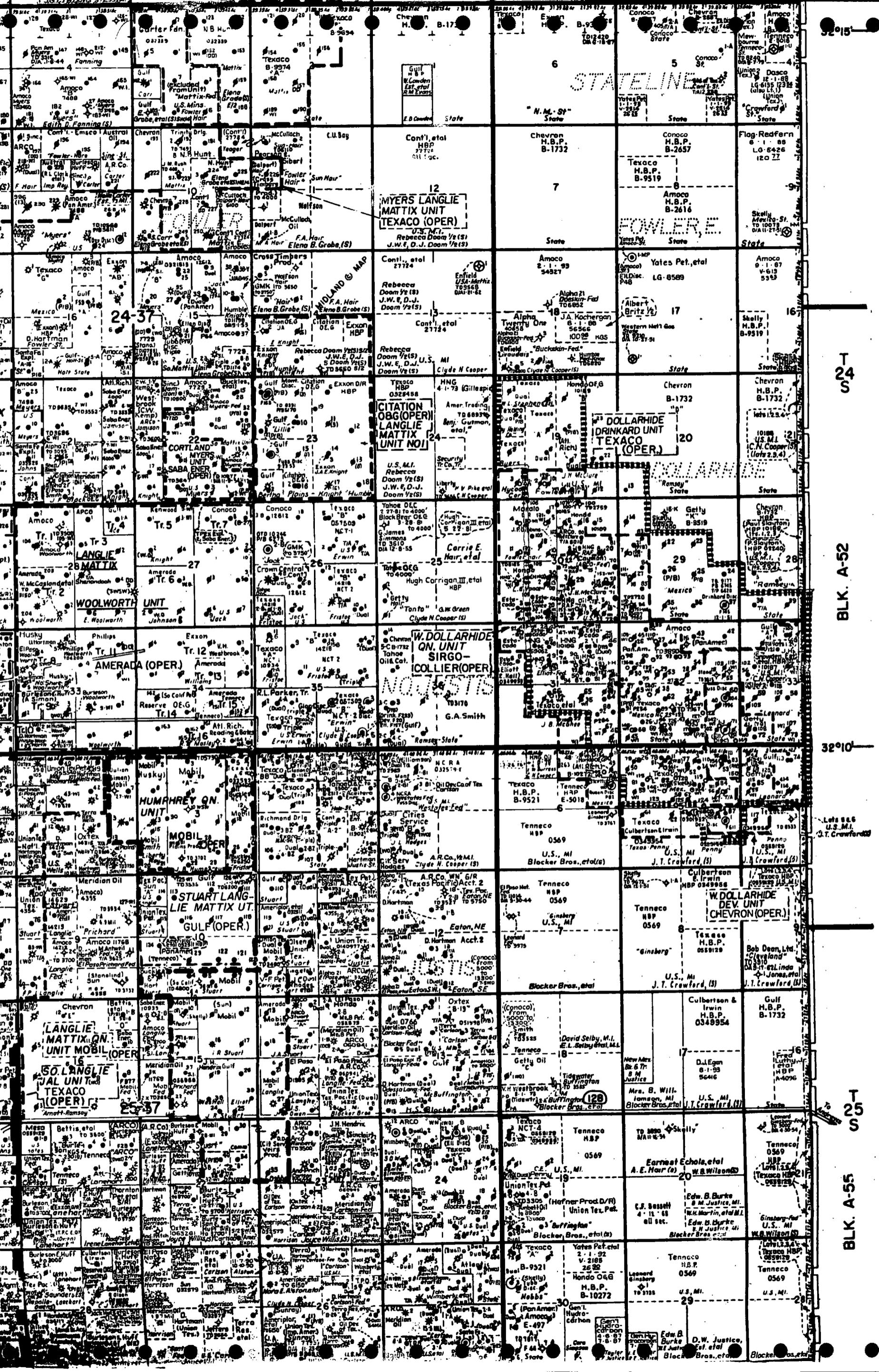
County Lea

Pool Dollarhide - Brinkard

TOWNSHIP 25 South RANGE 38 East NEW MEXICO PRINCIPAL MERIDIAN



Ext: $\frac{1}{2}$ Sec. 4; $\frac{1}{2}$ Sec. 5 (R. 548, 7-27-53) - $\frac{NE}{4}$ Sec. 6 (R. 521)
- $\frac{S}{2}$ Sec. 4; $\frac{S}{2}$ Sec. 5 (R. 69, 10-13-55) - Vertical limits extended to
include Tubb formation - Redesignate (R. 3267, 7-1-67)



32°15'

T 24 S

BLK. A-52

32°10'

Lots 6 & 7, U.S.M.I., T. Crawford

T 25 S

BLK. A-55

STATELINE

MIDLAND & MAP

12 MYERS LANGLIE MATTIX UNIT TEXACO (OPER)

FOWLER

CITATION OBG (OPER) LANGLIE MATTIX UNIT NO. 1

DOLLARHIDE DRINKARD UNIT TEXACO (OPER)

W. DOLLARHIDE ON UNIT SIRGO-COLLIER (OPER) NO. 1575

LANGLIE MATTIX

WOOLWORTH UNIT

AMERADA (OPER)

HUMPHREY ON UNIT

STUART LANGLIE MATTIX UT. GULF (OPER)

LANGLIE MATTIX ON UNIT MOBIL (OPER)

SO. LANGLIE JAL UNIT TEXACO (OPER)

Bettis et al

Union Tex. Pd

SS-338-O
DATA DOCUMENTS/INC

EMPLOYEE NUMBER NAME SOCIAL SECURITY NUMBER JOB CLASS JOB DESCRIPTION YEAR-TO-DATE GROSS

| | | | | | | | |
|-----|-----------|-----------|---|-------------|---|------------------|-----------|
| 130 | WILLIAMS | JASON | S | 324 15 9371 | 0 | EXECUTIVE | 25,031.14 |
| 137 | SMITH | DOROTHY | A | 356 58 1593 | 8 | STOCK HANDLER | 10,050.16 |
| 143 | PETERSON | CONNIE | J | 542 36 3859 | 7 | MACHINE OPERATOR | 11,516.17 |
| 152 | HOFFMAN | JERRY | A | 212 20 5071 | 3 | ACCOUNTANT | 12,789.50 |
| 159 | FRANKLIN | MARIA | L | 533 67 0183 | 6 | CLERIAL | 8,432.14 |
| 160 | MILLER | HARRY | S | 418 42 6646 | 1 | MANAGER | 19,041.92 |
| 200 | OBRIEN | JACK | B | 205 79 2305 | 4 | DATA PROCESSING | 15,360.72 |
| 203 | ADAMS | SCOTT | H | 329 84 8587 | 1 | MANAGER | 19,673.84 |
| 205 | LAWSON | ANN | J | 664 91 0420 | 4 | DATA PROCESSING | 13,472.50 |
| 207 | CLARK | RICHARD | D | 490 13 4929 | 2 | DESIGNER | 21,530.72 |
| 209 | KING | ELIZABETH | G | 343 26 3741 | 5 | SALESMAN | 14,728.50 |
| 230 | JOHNSTON | GUS | R | 256 08 7782 | 6 | CLERIAL | 39,723.50 |
| 241 | DANIELS | JONATHON | G | 582 30 1264 | 2 | DESIGNER | 14,720.65 |
| 246 | ONEIL | GRACE | D | 471 65 4906 | 2 | DESIGNER | 13,450.42 |
| 263 | JONES | MARY | L | 657 97 9135 | 4 | DATA PROCESSING | 15,790.14 |
| 267 | RYAN | NANCY | G | 284 51 9828 | 0 | EXECUTIVE | 27,066.30 |
| 268 | SMITH | GREG | L | 435 74 7474 | 6 | CLERIAL | 9,450.16 |
| 274 | GRANT | ERIC | J | 328 49 5648 | 1 | MANAGER | 20,172.32 |
| 279 | MACDONALD | JANICÉ | K | 597 16 2373 | 7 | MACHINE OPERATOR | 12,151.42 |
| 281 | GREEN | PHILLIP | R | 606 32 1559 | 9 | CUSTODIAN | 7,520.00 |
| 285 | REILLY | ELAINE | B | 269 82 2001 | 3 | ACCOUNTANT | 14,500.06 |
| 301 | MORRIS | LANCE | R | 340 25 6671 | 8 | STOCK HANDLER | 8,720.00 |
| 303 | PERKINS | SUSAN | M | 271 48 8203 | 0 | EXECUTIVE | 26,530.14 |
| 311 | COLESON | WALTER | D | 212 03 0424 | 9 | CUSTODIAN | 9,500.17 |
| 317 | HEINZ | ALICE | C | 351 11 6378 | 5 | SALESMAN | 732.01 |