

## MAGNOLIA PETROLEUM COMPANY

C SE SE

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

State New Mexico County Chaves  
 Company Ohio Oil Co.  
 Form Name State "WR" Well Number 1  
 Scout Jim Rogers Contractor  
 Pool Undesignated Elevation 3705 ds  
 Section 36 Township 11S Range 28E  
 Feet from North 660' Feet from East  
660' Feet from South Feet from West

## Casing Record

| Size   | Set  | Cement |
|--------|------|--------|
| 13 3/8 | 364  | 300    |
| 7 7/8  | 1722 | 678    |
|        |      |        |
|        |      |        |
|        |      |        |
|        |      |        |
|        |      |        |

## Shows

| Water | Gas | Oil | Oil & Gas |
|-------|-----|-----|-----------|
|       |     |     |           |
|       |     |     |           |
|       |     |     |           |
|       |     |     |           |
|       |     |     |           |
|       |     |     |           |
|       |     |     |           |

## Formation Tops

Spe SA 1830  
 Quesh 5316  
 WC 6340  
 Jues 7769  
 Dm 8324  
 Jy 597  
 Jm 1266  
 SA 1830  
 Jm 3174  
 Jues 4590  
 Ques 5397  
 WC 6277  
 Penn. 6998  
 Jues 7776

Spudded 9-1/-59

T.D. 8465 dsh T.P.

I.P.

G.O.R.

Gr.

C.P.

T.P.

Completed 11-25-59

Dm 8326

| Date        | 2200' Dev.             | Date        |                             |
|-------------|------------------------|-------------|-----------------------------|
| 9-16        | TD 370' A, WOC         |             | 630 XW                      |
| SEP 23 1959 | TD 2451 L WCC          |             | PP 820-1040 30/3240         |
| SEP 30 1959 | TD 3226 L              | NOV 20 1959 | TD 8465 dsh PB1868 tye      |
| OCT 7 1959  | TD 5781 Sh Rich        |             | PP 208/1593-1650            |
| OCT 14 1959 | TD 6590 L              |             | A 500                       |
| OCT 21 1959 | TD 7715 L & Sh         |             | SOF 10000                   |
| OCT 28 1959 | TD 8123 L              | NOV 18 1959 | TD 8465 dsh PB1868 pte Sh   |
|             | DST 7900-47 1000WB 2'  |             | BP@1556                     |
|             | Per WB + 120 SGCM      |             | PP 96/1456-80               |
|             | PP 460-460 30/800      |             | 32/1490-98                  |
| NOV 4 1959  | TD 8465 dsh            |             | 84/1513-34                  |
|             | DST 8326-55 1000WB 2'  |             | MA 500                      |
|             | Per WB                 |             | SOF 10000                   |
|             | 10 Mud NS              | DEC -9 1959 | Per 224 BLO 13' 1/4" dsh    |
|             | PP 500-500 30/3365     |             | e dsh                       |
|             | DST 8355-465 1000WB 2' | NOV 2 1959  | TD 8465 dsh PB1868 pte PA   |
|             | Per WB                 |             | Sh 5 BNO 10' (1456-1534)    |
|             | 270 Mud                |             | didn't see back (1593-1650) |



CHAVES  
INGRAM, TOM L.

White Ranch  
4 White Ranch  
Sec 33, T11S, R29E

NM  
Page #2

4-26-77 Continued  
DST (WFMP) 7980-80', open 2 hrs, rec 45'  
sli GCM, 1 hr ISIP 263#, FP 84-84#, FSIP  
failed, HP 4105-4135#, BHT 139 deg  
5-3-77 Drlg 8797'  
Cored (MSSP) 8534-73', rec 39' im  
DST (MSSP) 8480-8573', open 2 hrs, rec 500'  
G&DCM (Sampler rec .5 CFG + 2240 cc's G&DCM  
@ 240#), 1 hr 30 min ISIP 2556#, FP 256-281#,  
4 hr FSIP 2811#, HP 4411-4411#, BHT 150 deg  
5-10-77 TD 8810'; MORT  
5-17-77 TD 8810'; PBD 8682'; Prep Perf

9-3-2 NM

5-23-77 TD 8810'; PBD 8682'; SI  
Perf (MSSP) 8502-06', 8510-13', 8518-24',  
8528-35'  
Frac (8502-35') 25,000 gals + 7600# sd  
5-31-77 TD 8810'; PBD 8682'; Swbg  
6-7-77 TD 8810'; PBD 8682'; Flwg  
8-9-77 TD 8810'; PBD 8682'; WOSP  
8-12-77 TD 8810'; PBD 8682'; Complete  
(Mississippian) FOUR POINT GAUGES:  
Flwd 344 MCFGPD, 5/64" chk, 60 mins, TP 2290#  
Flwd 512 MCFGPD, 6/64" chk, 60 mins, TP 2102#  
Flwd 616 MCFGPD, 7/64" chk, 60 mins, TP 1975#  
Flwd 718 MCFGPD, 9/64" chk, 60 mins, TP 1817#  
LOG TOPS: Rustler Anhydrite 310', Yates 851',  
Queen 1550', San Andres 2110', Glorieta 3460',  
Tubb 4481', Abo 5712', Wolfcamp 6700',  
Mississippian 8312'

9-3-2 NM

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CHAVES

INGRAM, TOM L.

White Ranch

4 White Ranch  
Sec 33, T11S, R29E

NM

Page #3

8-12-77

Continued

LOGS RUN: CNL, FDC, DILL

BHT 144 deg

9-17-77

COMPLETION ISSUED

9-3-2 NM

IC 30-005-70001-77

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|                                                                                             |                            |             |              |           |          |
|---------------------------------------------------------------------------------------------|----------------------------|-------------|--------------|-----------|----------|
| COUNTY                                                                                      | CHAVES                     | FIELD       | White Ranch  | STATE     | NM       |
| OPR                                                                                         | INGRAM, TOM L.             | API         | MC 00424     |           |          |
|                                                                                             | 1                          | LEASE       | White Ranch  | SERIAL    | 5-3-1 NM |
|                                                                                             | Sec 34, T11S, R29E         | MAP         |              |           |          |
|                                                                                             | 1980' FNL, 660' FWL of Sec | CO-ORD      |              |           |          |
|                                                                                             | 21 1/2 mi NE/Dexter        | ELEV        |              |           | L.S.     |
| Re- 3-16-77                                                                                 | Re- 3-19-77                | WELL CLASS: | INIT         | DX        | FIN      |
|                                                                                             |                            |             |              | DG        |          |
|                                                                                             |                            | FORMATION   | DATUM        | FORMATION | DATUM    |
|                                                                                             |                            |             |              |           |          |
|                                                                                             |                            |             |              |           |          |
|                                                                                             |                            |             |              |           |          |
|                                                                                             |                            |             |              |           |          |
|                                                                                             |                            | TD          | 8775' (DVNN) | PBD       | 8395'    |
| IP (Mississippian) Perfs 8320-49' CAOF 3215 MCFGPD. GOR NR;<br>gty (Gas) .6734; (Cond) 64.7 |                            |             |              |           |          |
| CONTR                                                                                       |                            | OPR'S ELEV  | 3792' GL     | PD        | 8395' WO |

5-16-77 F.R.C. 5-21-77 OWWO  
(Mississippian)  
(Orig. Republic Natural-Seaboard #1 Plains  
Radio Broadcasting-White Ranch, comp 4-7-53,  
thru (Devonian) Perfs 8719-69', OTD 8775')  
TD 8775'; PBD 8395'; Complete  
PB to 8395'  
Perf (Mississippian) 8320-49' w/1 SPF  
Acid (8320-49') 6000 gals  
(Mississippian) FOUR POINT GAUGES:  
Flwd 847 MCFGPD, 1.750" orifice, 60 mins, TP 1950#  
Flwd 1584 MCFGPD, 1.750" orifice, 60 mins, TP 1744#  
Flwd 2068 MCFGPD, 1.750" orifice, 60 mins, TP 1545#  
Flwd 2494 MCFGPD, 1.750" orifice, 60 mins, TP 1175#  
5-3-1 NM

CHAVES  
INGRAM, TOM L.

White Ranch  
1 White Ranch  
Sec 34, T11S, R29E

NM  
Page #2

5-16-77; Continued  
LOGS RUN: CNL, GRL  
5-21-77 COMPLETION ISSUED

5-3-1 NM

|              |   |
|--------------|---|
| DISTRIBUTION |   |
| SANTA FE     | / |
| FILE         | / |
| U.S.G.S.     | 2 |
| LAND OFFICE  |   |
| OPERATOR     |   |

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

**C. C. C.**  
**ANTERIOR OFFICE**

|                                                                        |  |
|------------------------------------------------------------------------|--|
| State <input type="checkbox"/> For <input checked="" type="checkbox"/> |  |
| 5. State Oil & Gas Lease No.                                           |  |
|                                                                        |  |

*Bureau of Mineral*

|                                       |                                               |
|---------------------------------------|-----------------------------------------------|
| 1a. TYPE OF WELL:                     |                                               |
| OIL WELL <input type="checkbox"/>     | GAS WELL <input checked="" type="checkbox"/>  |
| b. TYPE OF COMPLETION                 |                                               |
| NEW WELL <input type="checkbox"/>     | WORK OVER <input checked="" type="checkbox"/> |
| DEEPEN <input type="checkbox"/>       | PLUG BACK <input type="checkbox"/>            |
| DIFF. RESVR. <input type="checkbox"/> | OTHER <input type="checkbox"/>                |

|                        |
|------------------------|
| 7. Unit Agreement Name |
| 8. Farm or Lease Name  |
| White Ranch            |

|                     |
|---------------------|
| 2. Name of Operator |
| Tom L. Ingram       |

|             |
|-------------|
| 9. Well No. |
| #2          |

|                                            |
|--------------------------------------------|
| 3. Address of Operator                     |
| P. O. Box 1757, Roswell, New Mexico, 88201 |

|                                |
|--------------------------------|
| 10. Field and Pool, or Wildcat |
| White Ranch-Mississippi        |

|                     |
|---------------------|
| 4. Location of Well |
|---------------------|

|                      |                        |                            |                     |           |
|----------------------|------------------------|----------------------------|---------------------|-----------|
| UNIT LETTER <u>L</u> | LOCATED <u>1980</u>    | FEET FROM THE <u>South</u> | LINE AND <u>660</u> | FEET FROM |
| THE <u>West</u>      | LINE OF SEC. <u>34</u> | TWP. <u>11S</u>            | RGE. <u>29E</u>     | NMPM      |

|            |
|------------|
| 12. County |
| Chaves     |

|                  |                       |                                  |                                        |                      |
|------------------|-----------------------|----------------------------------|----------------------------------------|----------------------|
| 15. Date Spudded | 16. Date T.D. Reached | 17. Date Compl. (Ready to Prod.) | 18. Elevations (DF, R&B, RT, GR, etc.) | 19. Elev. Casinghead |
| 4-23-53          | 7-17-53               | 3-17-77                          | 3792 (3782 GL)                         |                      |

|                 |                    |                                  |                          |              |             |
|-----------------|--------------------|----------------------------------|--------------------------|--------------|-------------|
| 20. Total Depth | 21. Plug Back T.D. | 22. If Multiple Compl., How Many | 23. Intervals Drilled By | Rotary Tools | Cable Tools |
| 8808            | 8691               |                                  | →                        | 0 - TD       |             |

|                                                                   |
|-------------------------------------------------------------------|
| 24. Producing Interval(s), of this completion - Top, Bottom, Name |
| 8302 - 8344' Mississippian                                        |

|                                 |
|---------------------------------|
| 25. Was Directional Survey Made |
| No                              |

|                                      |
|--------------------------------------|
| 26. Type Electric and Other Logs Run |
| No new logs                          |

|                    |
|--------------------|
| 27. Was Well Cored |
| No                 |

| 28. CASING RECORD (Report all strings set in well) |                |           |           |                  |               |
|----------------------------------------------------|----------------|-----------|-----------|------------------|---------------|
| CASING SIZE                                        | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 13-3/8                                             |                | 79        |           | 220 sx           | -0-           |
| 8-5/8                                              |                | 2146      | 11        | 1400 sx          | -0-           |
| 5-1/2                                              | 15.5 & 17#     | 8807      | 7-7/8     | 145 sx           | -0-           |

| 29. LINER RECORD |     |        |              | 30. TUBING RECORD |           |            |
|------------------|-----|--------|--------------|-------------------|-----------|------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SIZE              | DEPTH SET | PACKER SET |
|                  |     |        |              | 2-7/8             | 8286      | None       |

|                                                    |                                                |
|----------------------------------------------------|------------------------------------------------|
| 31. Perforation Record (Interval, size and number) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |
| 8302-10, 20-28, 32-44, .48", 28                    | DEPTH INTERVAL                                 |
|                                                    | 8302-44'                                       |
|                                                    | AMOUNT AND KIND MATERIAL USED                  |
|                                                    | F/15000 gals +                                 |
|                                                    | 29000 lbs. sd                                  |

|                       |                 |                                                                     |                         |            |              |                                |                 |
|-----------------------|-----------------|---------------------------------------------------------------------|-------------------------|------------|--------------|--------------------------------|-----------------|
| 33. PRODUCTION        |                 |                                                                     |                         |            |              |                                |                 |
| Date First Production |                 | Production Method (Flowing, gas lift, pumping - Size and type pump) |                         |            |              | Well Status (Prod. or Shut-in) |                 |
| 3-17-77               |                 | Flowing                                                             |                         |            |              | Shut-In                        |                 |
| Date of Test          | Hours Tested    | Choke Size                                                          | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF    | Water - Bbl.                   | Gas - Oil Ratio |
| 3-17-77               | 4               | Varying                                                             | →                       |            |              |                                |                 |
| Flow Tubing Press.    | Casing Pressure | Calculated 24-Hour Rate                                             | Oil - Bbl.              | Gas - MCF  | Water - Bbl. | Oil Gravity - API (Corr.)      |                 |
| Varying               | Varying         | →                                                                   | 9                       | 2069 CAOF  |              | 66.4                           |                 |

|                                                            |                   |
|------------------------------------------------------------|-------------------|
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.) | Test Witnessed By |
| Shut-In                                                    | Joe A. Coleman    |

|                                    |
|------------------------------------|
| 35. List of Attachments            |
| Chronological Pressure Data, C-122 |

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

|                             |                       |                    |
|-----------------------------|-----------------------|--------------------|
| SIGNED <u>Tom L. Ingram</u> | TITLE <u>Operator</u> | DATE <u>5/9/77</u> |
|-----------------------------|-----------------------|--------------------|

|                        |                                          |       |              |       |      |             |
|------------------------|------------------------------------------|-------|--------------|-------|------|-------------|
| COUNTY                 | CHAVES                                   | FIELD | Undesignated | STATE | N.M. | OWWO        |
| OPR                    | SOCONY MOBIL OIL COMPANY, INC.           |       |              |       |      | MAP         |
|                        | 2 White Ranch                            |       |              |       |      |             |
|                        | Sec. 34, T-11-S, R-29-E                  |       |              |       |      | CO-ORD      |
|                        | 1980' fr S Line & 660' fr W Line of Sec. |       |              |       |      |             |
|                        | Re-Spud 4-1-64                           |       |              |       |      | CLASS       |
|                        | Re-Comp 5-2-64                           |       |              |       |      | OWD P 37928 |
|                        | FORMATION                                | DATUM | FORMATION    | DATUM |      |             |
| CSG & SX - TUBING      |                                          |       |              |       |      |             |
| 5½" 8807' 145          |                                          |       |              |       |      |             |
|                        |                                          |       |              |       |      |             |
|                        |                                          |       |              |       |      |             |
|                        |                                          |       |              |       |      |             |
| LOGS EL GR RA IND HC A |                                          |       |              |       |      |             |
| TD 8810', PBD 8691'    |                                          |       |              |       |      |             |

IP Mississippian Perfs 8302-44' Flwd 588 MCFGPD + 1 B Cond. &  
 7 B BS&W. Pot. Based on 24 hr test thru 32/64" chk., TP 200#,  
 CP 200#.

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|       |            |      |
|-------|------------|------|
| CONT. | PROP DEPTH | TYPE |
| DATE  |            |      |

8-24-64 F.R.C. 8-27-64; OWWO, OTD 8810'.  
 TD 8810', PBD 8691', COMPLETED.  
 Squeezed perfs 8728-8742' W/100 sx.  
 DO to 8691'  
 Perf 8302-10', 8320-28' & 8332-44' W/1 SPF  
 Ac. 5000 gals.

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SANTA FE  
FILE  
U.S.G.S.  
LAND OFFICE  
OPERATOR

Form C-105  
Revised 10-84

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

White Ranch

9. Well No.

3

10. Field and Pool, or Wildcat

White Ranch - Mississippian

12. County

Chaves

a. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

DRY ☐

OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☐

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☒

DIFF. RESVR. ☒

OTHER ☐

Name of Operator

Wainoco Oil & Gas Company

Address of Operator

1200 Smith Street, Suite 1500, Houston, Texas 77002

Location of Well

NIT LETTER M LOCATED 990 FEET FROM THE south LINE AND 660 FEET FROM

THE west LINE OF SEC. 34 TWP. 11-S RGE. 29-E NMPM

15. Date Spudded

PB 11-26-79

16. Date T.D. Reached

-

17. Date Compl. (Ready to Prod.)

12-14-79

18. Elevations (DF, RKB, RT, GR, etc.)

3778' GR

19. Elev. Casinghead

-

20. Total Depth 8774'

21. Plug Back T.D.

8660'

22. If Multiple Compl., How Many

-

23. Intervals Drilled By

Rotary Tools

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

8340-70' Mississippian

25. Was Directional Survey Made

-

26. Type Electric and Other Logs Run

None this completion

27. Was Well Cored

-

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|------------------|---------------|
| 13-3/8"     | 48             | 62'       | 17-1/2"   | 60 sx.           | 0             |
| 8-5/8"      | 32             | 2134'     | 11"       | 1075 sx.         | 0             |
| 5-1/2"      | 15-1/2, 17, 20 | 8762'     | 7-7/8"    | 125 sx.          | 0             |

29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|------|-----|--------|--------------|--------|
|      |     |        |              |        |
|      |     |        |              |        |
|      |     |        |              |        |

30. TUBING RECORD

| SIZE   | DEPTH SET | PACKER SET |
|--------|-----------|------------|
| 2-7/8" | 8237'     | 8237'      |
|        |           |            |
|        |           |            |

31. Perforation Record (Interval, size and number)

8340-60', 8365-70', 52 holes with 4" casing gun

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL    | AMOUNT AND KIND MATERIAL USED                                               |
|-------------------|-----------------------------------------------------------------------------|
| 8340-60, 8365-70' | 5000 SCF nitrogen; 2500 gal. 15% acid, 75 ball sealers, 39,000 SCF nitrogen |
|                   |                                                                             |
|                   |                                                                             |

33. PRODUCTION

|                                  |                      |                                                                                |                                 |                   |                   |                                             |                                 |
|----------------------------------|----------------------|--------------------------------------------------------------------------------|---------------------------------|-------------------|-------------------|---------------------------------------------|---------------------------------|
| Date First Production<br>2-26-80 |                      | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing |                                 |                   |                   | Well Status (Prod. or Shut-in)<br>Producing |                                 |
| Date of Test<br>3-4-80           | Hours Tested<br>24   | Choke Size<br>8/64"                                                            | Prod'n. For<br>Test Period<br>→ | Oil - Bbl.<br>2.3 | Gas - MCF<br>560  | Water - Bbl.<br>0                           | Gas - Oil Ratio<br>243,478 CF/b |
| Flow Tubing Press.<br>1600       | Casing Pressure<br>0 | Calculated 24-<br>Hour Rate<br>→                                               | Oil - Bbl.<br>2.3               | Gas - MCF<br>560  | Water - Bbl.<br>0 | Oil Gravity - API (Corr.)<br>23.0           |                                 |

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold into pipeline

Test Witnessed by

Dale Bristow

35. List of Attachments

C-104

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

Pat Budro

TITLE

Regulatory Coordinator

DATE

3-7-80

CD CHAVES POOL WHITE RANCH STATE N.M. KRIGENLEIN 152-54  
SIL.  
COMPANY Republic Natural Gas Co. et al - #3 - ELEV. 3788'  
White Ranch 3789' KB  
LOC 990' FSL & 660' FNL of sec.  
Sec. 34-11S-29E

| ACID OR SHOT                      | DABING RECORD                                               | TOPS                                                                                                             |
|-----------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Acid 250 gals.<br>Perf 28/8743-50 | 13-3/8 76 60<br>8-5/8 2150 1075<br>5-1/2 8774 125<br>2 8748 | Anhy 316<br>Yates 865<br>S.A. 2112<br>Glor 3350<br>Tubb 4880<br>Abo 5693<br>Hueco 6718<br>Miss 8130<br>Dev. 8742 |
| SPD 11-12-53 COMP 1-25-54         |                                                             |                                                                                                                  |
| I. P. P. 351 BOPD; 13/64" ck.     |                                                             |                                                                                                                  |
| GR 47.3 GOR 13 TP 195 Pkr. 8735   |                                                             | 8742'<br>8774' dol<br>8759                                                                                       |
| CONT'D ON PAGE 2                  |                                                             |                                                                                                                  |

E-Log  
Tb-1091  
DU-4936

CD CHAVES POOL WILDCAT STATE N.M. KRIGENLEIN 152-53  
COMPANY Republic Nat. Gas & Seaboard of Del. - ELEV. 3792  
#1 - White Ranch  
LOC 1980' FNL & 660' FNL of  
Sec. 34, T. 11-S, R. 29-E

| ACID OR SHOT                                     | DABING RECORD                                                    | TOPS                                                                                                                               |
|--------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                                                  | 13 3/8- 89- 150<br>8 3/8-2130- 950<br>5 1/2-8777- 100<br>2 -8764 | Anhy. 345<br>Salt 380<br>Yates 870<br>Queen 1558<br>S. And. 2110<br>Glor. 3350<br>Abo 5645<br>Hueco 6678<br>Bend 8096<br>Miss 8120 |
| SPD 1-15-53 COMP 4-7-53                          |                                                                  |                                                                                                                                    |
| I. P. P. 294 BOPD; 1/4" ch.; F. 98 BO/8 hrs.     |                                                                  |                                                                                                                                    |
| GR 47 GOR 46 TP 550 CP Pkr. 8667                 |                                                                  | 8719<br>8775 delo.<br>8771                                                                                                         |
| REMARKS MORE TOPS: Dev. 8727.<br>CONT'D. PAGE 2. |                                                                  |                                                                                                                                    |

E-Log  
Tb-1090  
DU-4933

CHAVES, NEW MEXICO 34-11-29  
Republic Natural Gas Co. et al - #3 -  
White Ranch

K-152-54

PAGE 2

TOPS: Dev. 8742 Water 8761

Cr. 8725-45 rec. 20' drk. gry sh. N.S.  
Cr. 8745-50 rec. 5' drk. gry sh. N.S.  
Cr. 8750-57 rec. 6-1/2' (4' drk gry sh, 1/2' sh & dol.,  
2' dol. vuggy por. bleed oil.  
DST 8717-57 op 4 hrs. 17 mins, rec. 2060' free oil, 430'  
HOCM, FP 900 30 min SIP 3625  
DST 8757-62 op 2 hrs. 10 mins, rec. 2990' free oil  
430' O&GCM, FP 200-1100 30 min SIP 3475#  
DST 8764-74 op 2 hrs. 35 mins, rec. 7730' XW; 270' XWCM  
FP 350-3525 15 min SIP 3525#  
Perf 28/8743-50  
Trt. 250 gals. perfs.

CHAVES, NEW MEXICO. 34-11-29  
Republic Nat. Gas & Seaboard of Del. - #1 - White Ranch.

K-152-53

PAGE 2.

DST 2698-2890 op. 1 hr., rec. 50' SGCM, 700' mud;  
FP 275; SI 975.  
DST 3365-3448 op. 30 mins., rec. 100' mud, 60'  
salty WCM, 90' XW; FP 0; SI 1400.  
DST 8340-8400 op. 1 hr., rec. gas 1 hr., 17  
mins., est. 35,000 CFQPD, rec. 250' HOCM.  
Core 8753-60 rec. 7' frac. dolo. very good poro.  
DST 8715-60 op. 1 hr., gas 39 mins., mud 42 mins.,  
oil 48 mins., F. 12 mins., est. 30 BOPH;  
circ. rec. 6525' oil / 50' HO&GCM; Gr 48; no  
wtr.; FP 3600; SI 3750.  
Core 8760-8775 rec. 15' coarse xylm. vug. dolo.  
tr. cht. good fluor. str. & odor.  
DST 8717-71 op. 1 hr., 44 mins., mud 21 mins.,  
oil 29 mins., F. 91 BO/1 hr.; Gr 47; circ.  
CONT'D. PAGE 3.

CHAVES

POOL WHITE RANCH STATION, MEX. KRÖENLEIN 152-53  
SILURO-DEV.

COMPANY

Republic Nat. Gas. & Seaboard -#2-  
White Ranch

ELEV. 3792

LOC.

1980' FSL & 660' FWL  
Sec. 34, T-11-S, R-29-E

AQUO OR SHOT

CASINO RECORD

TOPS

750 gal.  
see remarks13 3/8- 79-220  
8 5/8-2146-1400  
5 1/2-8807-125  
2 -8748A 325  
Y 870  
SA 2115  
Glor 3345  
Tubb 4878  
Abo 5695  
Miss 8126  
Dev 8725

Tb-1082

DU-4933

SPD. 4-23-53 COMP. 7-17-53

I. P. F. 2598.40 BOPD 1/2"chk.  
(2598.40 BOPD)

GR. 47 BGR 14 TP 220 Pkr 8663

REMARKS F 982 BO/9 hr.  
Cont. Page 2TP 8725  
TD 8810-dol.

PBD

Co. CHAVES POOL UNDESIGNATED STATE N.M. KRÖENLEIN  
OWWO  
COMPANY Socony Mobil Oil Co., Inc. - #2 - White Ranch  
(fmly. opr. by Republic Nat. Gas. & ELEV. 3792  
LOC. 1980' FSL & 660' FWL Seaboard Oil Co.) DF  
Sec. 34, T.11-S, R.29-E

PAY STIMULATION

CASING

TOPS

Perf: 8302-old 5 1/2-8807-125  
3344

Miss. 8126

SPD. re- COMP. 5-2-64

I. P. F. 588,000 CFGPD + 1 bbl. cond.  
+ 7 bbl. BS&W, 32/64"ch.

GR. - BGR - TP 200 CP 200 TP 8302(Miss.)  
REMARKS: Sqz. old perfs 8728-8742' 0 TD 8810 dolo.  
w/100 sx; DO/8691'. Perf 1SPF: PBD 8691  
8302-10, 8320-28, 8332-44; 5000 acid.

CHAVES, N.MEX. 34-11-29

Page 2

Republic Nat. Gas &amp; Seaboard -#2- White Ranch

Core 960-1010 rec. 50' being 19' sh & anhy. 4' dol.  
 3' sh, 1 1/2' dol. good show, 8 1/2' sh & anhy.  
 3' dol good show, 12 1/2' sh

DST 978-1010 op 20 min rec. 15' SGCM

\* 8696-8770 op 5 1/2 hr, mud 45 min, O&GCM 70 min  
 died 4 1/2 hr, Fl. rate 10-30 BOPD est. 1 hr.,  
 rec. 8290' O&GCM, rec. 500' brackish wtr. below  
 sub.

Core 8770-8780 rec. 5' frac. dol. odor O&amp;G

DST 8760-8780 op 1 hr rec. 5370' SW

Perf 56/8728-42

swb. 12 to 13 BOPH

Fr 750/8728-48 Fl. 982 BO/9 hr. 1/2" ch.

CHAVES, NEW MEXICO. 34-11-29

PAGE 3.

Republic Nat. Gas &amp; Seaboard of Del. - #1 - White Ranch.

rec. est. 8170' oil rec. 400' HO&GCM & 60'  
 brackish wtr. (core analysis cut mud) FF  
 2200; SI 3800.

Perf. 160/8730-8770

Perf. 200/8719-8779

F. 97 BO/4 hrs.; 1/4" ch.

F. 6 BOPH; 1/4" ch.

COUNTY CHAVES FIELD White Ranch, West- / STATE NM  
 OPR LOVELACE, I. W. / Devonian MAP  
 2 White Ranch  
 Sec. 1, T-12-S, R-28-E CO-ORD  
 1836' fr N Line & 660' fr E Line of Sec.  
 Spud 11-18-64 CLASS EL 8500'

| P&A 1-3-65                                | FORMATION | DATUM | FORMATION | DATUM |
|-------------------------------------------|-----------|-------|-----------|-------|
| CSG & SX - TUBING<br><br>8 5/8" 1951' 550 | LOG:      |       |           |       |
|                                           | SA 1790   |       |           |       |
|                                           | Glor 3120 |       |           |       |
|                                           | Abo 5350  |       |           |       |
|                                           | Miss 7644 |       |           |       |
| LOGS EL GR RA IND HC A                    | Dev 8134  |       |           |       |
|                                           | TD 8147'  |       |           |       |

PLUGGED & ABANDONED

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CONT. PROP DEPTH 8500' TYPE  
 DATE

F.R. 11-19-64  
 PD 8500' - Devonian  
 11-23-64 Drlg. 1922'  
 11-30-64 Drlg. 3460'  
 12-7-64 Drlg. 5165'  
 12-14-64 Drlg. 6304' lm.  
 12-21-64 Drlg. 7409' lm. & sh.  
 1-4-65 TD 8147', PLUGGED & ABANDONED.  
 DST 7710-8140', open 1 hr 30 mins,  
 Rec 90' drlg fluid  
 FP 201-201#, FSIP 661#.  
 DST 8050-8147', open 1 hr 30 mins,  
 Rec 1080' oil, gravity 46., 150' HO&GCM,  
 870' HG&SOCM + 5430' sul wtr  
 ISIP 3288#. (Tool partially plugged)  
 (Holding for tops)  
 1-11-65 TD 8147', Completion Reported

CO. CHAVES

POOL WILDCAT

STATE N.M. KROENLEIN 70-53

COMPANY Great Western Drlg.Co. - #1 - White Ranch

ELEV. 3820'

LOC. 1980' FNL & FNL of sec.  
Sec. 1, T-12-S; R-28-E

ACID OR SHOT

CASING RECORD

13-3/8 167 225  
9-5/8 1899 200

TOPS

|           |      |
|-----------|------|
| Anhy      | 120  |
| Yates     | 520  |
| 7 River   | 610  |
| Queen     | 1210 |
| S.A.      | 1770 |
| Abo       | 5320 |
| B.Abo     | 5820 |
| Penn tent | 6800 |
| Miss      | 7020 |
| Dev       | 8152 |

SPD. 6-15-53

COMP.

8-24-53

I. P. P&amp;A

DR. BOR TP CP

REMARKS DST 8144-67 op 2-1/2 hrs. rec. 450' - SGCM,  
900' O&SGCM, 2520' HO&GCSW. PP 1980  
SIP 3120'

TO 8167' dol

COUNTY CHAVES, NEW MEXICO WHITE RANCH, WEST-DEV.  
OPR. I. W. LOVELADY  
LSE. WHITE RANCH  
LOC. Sec. 1, T-12-S, R-28-E, 1836' FNL and 660' FNL of  
Sec.

MAPS

CO-ORD

F.R. 11-19-64

OBJ

R500'

METHOD

SPUD 11-18-64

CTR

C.R.

ELEV D.F. 3690

LOGS

SPLS

TO 8147 line

PBD

ABD LOC.

P &amp; A 1-3-65

PAY ZONE

TOP PAY

PRODUCING INTERVAL

IP

BO

W

BSAW

HRS

TEST B4

PLUGGED AND ABANDONED

CHOKE

GOR

GTY

CP

TP

POT DATE

TREATMENT

INFORMATION ON THIS TICKET COMPILED FROM COPYRIGHTED MATERIAL AND NOT TO  
CSG-TBG-PKR RECORD PRODUCED WITHOUT EXPRESS PERMISSION FROM MIDLAND OIL SCOUTS ASSOCIATION.

8 5/8-1951-550

COUNTY CHAVES, NEW MEXICO WHITE RANCH, WEST-DEV.

WELL: I. W. LOVELADY #2 WHITE RANCH

ELEV 3690

DATE

WELL RECORD

P&amp;A 1-3-65

SPL (LOG) MARKERS

DST 7710-8140 open 1 hr. 30 min. rec.

S.A. (1790)

90' DF FP 201-201 FSIP 661#.

Glor. (3120)

DST 8050-8147 open 1 hr. 30 min. rec.

Abo (5350)

1080' oil, gty. 46, 150' HO&amp;GCM, 870'

Miss. (7644)

HG&SOOM + 5430' srl. wtr. ISIP 3288,  
tool partially plugged.

Dev. (8134)

CO. CHAVES

WILDCAT

STATE N.M. KROENLEIN 126-84

COMPANY Jack 1

#1 - Union-White Ranch

ELEV. 3681'

LOC. 660' FSL &amp; FNL of sec.

Sec. 1-129-21

ACID OR SHOT

CARING RECORD

TURNS

13-3/8 155 176  
9-5/8 1900 350

|            |      |
|------------|------|
| Anby       | 235  |
| Yates      | 525  |
| Queen      | 1221 |
| SA         | 1773 |
| Olor       | 3000 |
| Abo red sh | 5335 |
| Abo ls     | 6323 |
| Penn       | 6870 |
| Miss       | 7652 |
| Dev.       | 8210 |

BPD. 10-1-54 COR. 12-2-54

I. P. P&amp;A

|         |                  |    |    |
|---------|------------------|----|----|
| BR.     | DDR              | TP | CP |
| REMARKS | CONT'D ON PAGE 2 |    |    |

|     |                  |
|-----|------------------|
| TD  | 8260' dol & cht. |
| PBD |                  |

CO. CHAVES

WILDCAT

STATE N.M. KROENLEIN 192-59

PRE-PERMIAN DEVONIAN DISCOVERY

COMPANY J. C. Williamson - #1 - White Ranch

ELEV. 3695 DF

660' FNL &amp; FEL

Sec. 1, T. 12-S., R. 28-E

8500' (corr.) from 150'

OH/500 acid-  
3123-408 5/8-1967- 600  
5 1/2-3123- 150

|         |      |
|---------|------|
| Yates   | 610  |
| S. And. | 1830 |
| Abo     | 5390 |
| Miss.   | 7640 |
| Dev.    | 8132 |

6-10-59 7-22-59

F. 389 BO/24 hrs., 20/64" ch.

45. GOR TSTH SI-1200 800

REMARKS

8132  
8140 L.

CONT'D. PAGE 2.

CHAVES, N.M. SEC. 1-123-28E  
Jack Markham - #1 - Union-White Ranch

K-126  
HGE

DST 8213-20 had hole in drill pipe rec. 1200' mud BS.  
DST 8214-35 op 2 hr 15 mins, rec. 38' mud, FP 15-30  
15 min SIP -0-  
DST 8214-60 op 4 hrs. rec. 540' MCSW, FP 55-306 15 min  
SIP 3050#

CHAVES, N.M. 1-12-28  
J. C. Williamson - #1 - White Ranch

K-19259  
PAGE 2

DST 3100-40, op. 1 1/2 hrs. rev out 990' free oil  
rec. below sub 60' HO&SGCM, 450' HO&SGCM, FP 55-510  
SIP 3295/30".  
C/O TD 8140; 500 C. MA flc. load, flwd @ rate of 10 BNOFH  
Grav. 45.5, TP 500# CP 800#; F. 339 BO/24 hrs.,  
20/64" ch.; Gr. 45; TP 75#; SITP 600#.

DEC - 9 1992

# WILDCAT

RICHFIELD OIL CORPORATION  
WELL HISTORY CARD

FORM 762 10M 1-46

Log ☒  
Plotted  
Elec. Log

COUNTY **CHAVES** POOL **Wildcat** STATE **New Mexico** ELEV. **3710'**  
COMPANY **Richfield Oil Corporation** LEASE **White, J. P.** WELL NO. **3-1**  
LOCATION FR. N **660'** FR. S **1980'** FR. E **1980'** FR. W

| SECTION                                                                | BLK. | TWP. | R. | SURVEY | DEPTH | DATUM             |
|------------------------------------------------------------------------|------|------|----|--------|-------|-------------------|
| SHOOTING RECORD                                                        |      |      |    |        |       |                   |
| Casing Record                                                          |      |      |    |        |       |                   |
| SIZE                                                                   |      |      |    |        |       |                   |
| LANDED                                                                 |      |      |    |        |       |                   |
| CEMENT                                                                 |      |      |    |        |       |                   |
| T. A.                                                                  |      |      |    |        |       |                   |
| T. S.                                                                  |      |      |    |        |       |                   |
| B. S.                                                                  |      |      |    |        |       |                   |
| ACID TREATMENT                                                         |      |      |    |        |       |                   |
| T. YATES                                                               |      |      |    |        | 630'  | S                 |
| Seven Rivers                                                           |      |      |    |        | 720'  | S                 |
| Queens                                                                 |      |      |    |        | 1312' | S                 |
| T. S. A.                                                               |      |      |    |        | 1870' | S                 |
| B. S. A.                                                               |      |      |    |        |       |                   |
| LOCATION <b>2-12-47</b> SPUNDED <b>3-3-47</b> COMPLETED <b>7-13-47</b> |      |      |    |        |       |                   |
| ROTARY TO <b>2 1/2"</b> CABLE TO                                       |      |      |    |        |       |                   |
| I. P.                                                                  |      |      |    |        |       |                   |
| GRAVITY G. O. R. T. P. C. P.                                           |      |      |    |        |       |                   |
| REMARKS                                                                |      |      |    |        |       |                   |
| T. Ell. 8760' Spls. (-5050)                                            |      |      |    |        |       |                   |
| T. Metamorphies 9030' Sch.                                             |      |      |    |        |       |                   |
| Glor.                                                                  |      |      |    |        | 3100' | Sch.              |
| Abo                                                                    |      |      |    |        | 5420' | Sch.              |
| Hueco                                                                  |      |      |    |        | 6370' | Sch.              |
| Penn                                                                   |      |      |    |        | 6620' | Sch. ?            |
| Miss                                                                   |      |      |    |        | 7750' | Sch. 1. 3710 4050 |
| Sil.                                                                   |      |      |    |        | 8295' | Sch. 4585         |
| T. P.                                                                  |      |      |    |        | P & A |                   |
| T. D.                                                                  |      |      |    |        | 9058' | gneiss            |
| P. B. D.                                                               |      |      |    |        |       |                   |

COUNTY **CHAVES** POOL **WILDCAT** STATE **N. M.** KROENLEIN **95-53**  
COMPANY **H. B. Hunt - #3-1 - J. P. White** ELEV. **3710**  
(Orig. Drig. Richfield Oil - #1 - White Card #182)  
LOG **660' PSL & 1980' FWL**  
**Sec. 6, T. 12-S, R. 29-E**

| ADIS OR SHOT                                                    | CASING RECORD        | TOPS                  |
|-----------------------------------------------------------------|----------------------|-----------------------|
|                                                                 |                      | <b>Sil.-Dev. 8320</b> |
| <b>Sec. 6 - 8-1-53</b>                                          | <b>COMP. 8-12-53</b> |                       |
| I. P. <b>P &amp; A</b>                                          |                      |                       |
| GR. <b>GOR</b> TP <b>CP</b>                                     |                      |                       |
| REMARKS <b>DST 8324-8366 op. 2 hrs., rec. 6444' break. wtr.</b> |                      | <b>TP 9058 Gr.</b>    |

**tb-908**  
**60-4585**

FDX

[illegible]

CHAVES COUNTY

NEW MEXICO

WILDCAT

Well: EPCO, INC. Sundance Federal "B"

Result: D&amp;A

WF

Locn: 30 mi SE/Hagerman, 1980' FSEEL's Sec 11-12S-29E.

Spud: 6-27-78; Comp: 8-10-78; Elev: 3802' grd; TD: 9217' Dev;

Casing: 13 3/8" 315'/350 sx, 8 5/8" 2279'/1260 sx

Comp Info: DST-SP (Miss) 8765-8845', op 1 hr, (Sampler rec 1700 cc's DF @ 50#); 1 hr  
ISIP 131#, FP 22-22#, 3 hr FSIP 283#, HP 4477-4499#; ran CNI, FDC, BHC & DILL  
logs; C/Morancho.Tops: (EL) Yates 970', San And 2237', Glor 3620', Tubb 5030', Abo 5864', Wolfe 6800',  
Cisco 7474', Cany 7710', Strawn 8116', Satoka 8418', Miss 8614', Dev 9189'

API No.: 30-005-60495

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Petroleum Information

CORPORATION

A Subsidiary of A.C. Nielsen Company

Date: 9-20-78

Card No. 2 rm

Co: CHAVES

POOL W. WHITE RANCH STATE N.M. KROENLEIN 192-59  
-DEVONIAN

COMPANY: J. C. Williamson - #2 - White Ranch

Elev: 3693

LOC 990' FNL &amp; 660' FWL

Sec. 6, T.12-S, R. 29-E

8500'

ACID OR SHOT

Casing Record

8 5/8- 492- 450

|         |      |
|---------|------|
| Yates   | 575  |
| S. And. | 1020 |
| Glor.   | 3140 |
| Tubb    | 4570 |
| Abo     | 5330 |
| Miss.   | 7650 |

3693  
3765

SPU 11-15-59 COMP 12-31-59

C.P. P. A

GR DOR

REMARKS

8166 L.

2693  
473



COUNTY CHAVES FIELD Wildcat STATE NM  
OWNER DEPCO, INC. API 30-005-60495  
AC 1 LEASE Sundance Federal "B" AREA  
Sec 11, T12S, R29E COORD  
1980' FSL, 1980' FEL of Sec 9-3-2 NM  
30 mi NE/Hagerman SPD 6-27-78 CMP 8-10-78

|                                                              |                                       |       |           |       |
|--------------------------------------------------------------|---------------------------------------|-------|-----------|-------|
| CSC<br>13 3/8" at 315' w/350 sx<br>8 5/8" at 2279' w/1260 sx | WELL CLASS: INIT WF FIN WF ELEV L & S |       |           |       |
|                                                              | FORMATION                             | DATUM | FORMATION | DATUM |
|                                                              |                                       |       |           |       |
|                                                              |                                       |       |           |       |
|                                                              |                                       |       |           |       |
|                                                              | ID 9217' (DVNN)                       |       | PHD       |       |

DRY & ABANDONED

CONTR Moranco OPERN ELEV 3802' GL PD 9027' RT

F.R. 2-27-78  
(Mississippian)  
7-18-78 Drlg 6810' lm & sh  
7-24-78 Drlg 7765'  
7-31-78 Drlg 8651' lm & sh  
8-7-78 Drlg 9128'  
8-14-78 TD 9217'; D&A (Hold)  
DST-SP (Mississippian) 8765-8845' op  
1 hr (Sampler rec 1700 cc's DF @ 50#)  
1 hr ISIP 131#, FP 22-22#, 3 hr FSIP  
283#, HP 4477-4499#  
9-11-78 TD 9217'; Dry & Abandoned  
LOG TOPS: Yates 970', San Andres 2237',  
Glorieta 3620', Tubb 5030', Abo 5864',  
Wolfcamp 6800', Cisco 7474', Canyon 7710',  
Strawn 8116', Atoka 8418', Mississippian

9-3-2 NM

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CHAVES  
DEPCO, INC.

Wildcat  
1 Sundance Federal "B"  
Sec 11, T12S, R29E

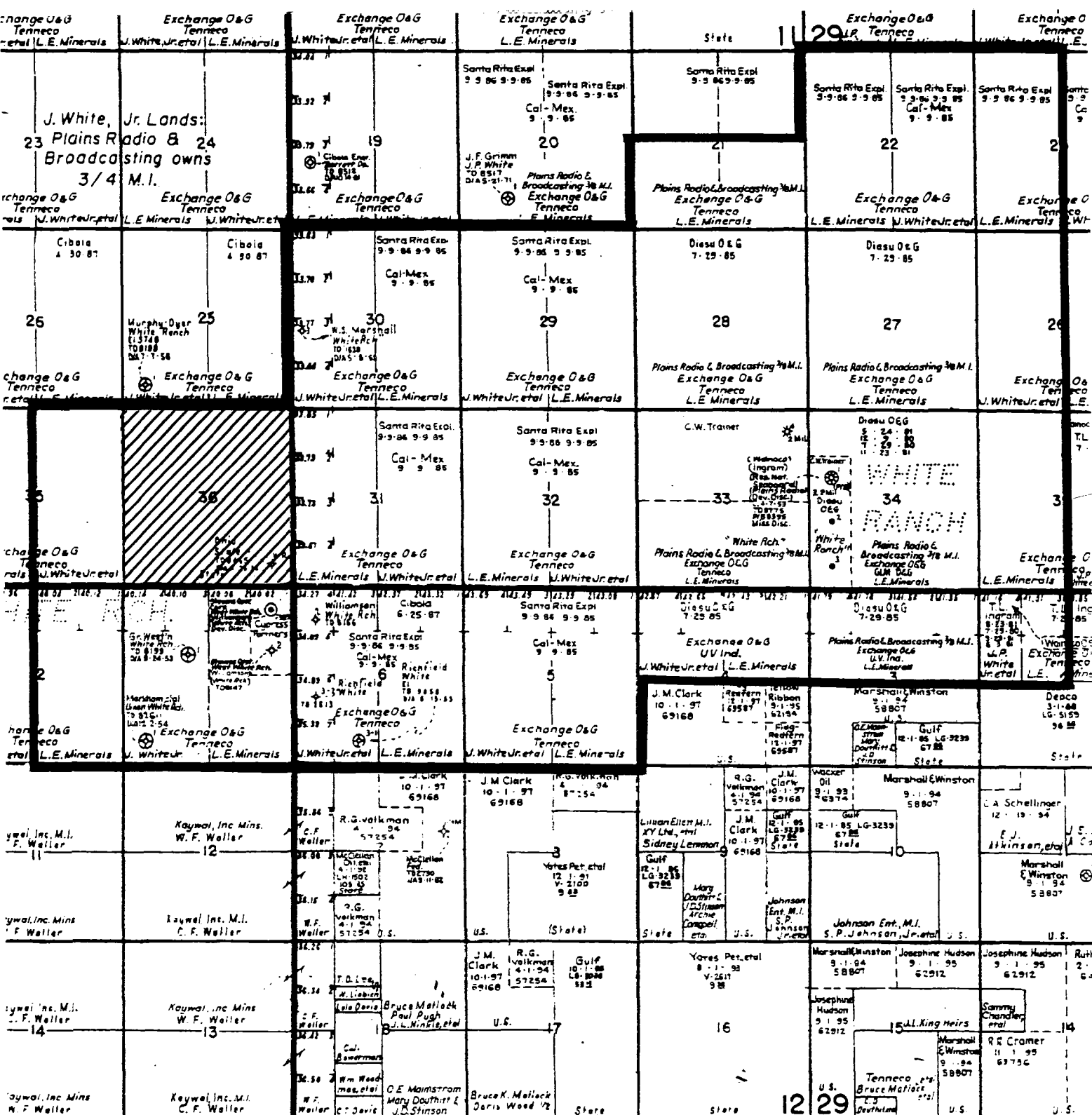
NM  
Page #2

9-11-78      Continued  
             8614', Devonian 9189'  
             LOGS RUN: CNL, FDC, BHC, DILL  
9-16-78      COMPLETION ISSUED

9-3-2 NM  
IC 30-005-70024-78

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## PROPOSED TIGHT FORMATION DESIGNATION Land Plat/Lease Map

Exhibit

Designation Outline For Mississippian Formation

Case  
10617  
Dec 17

Total proposed area 11,040 ac

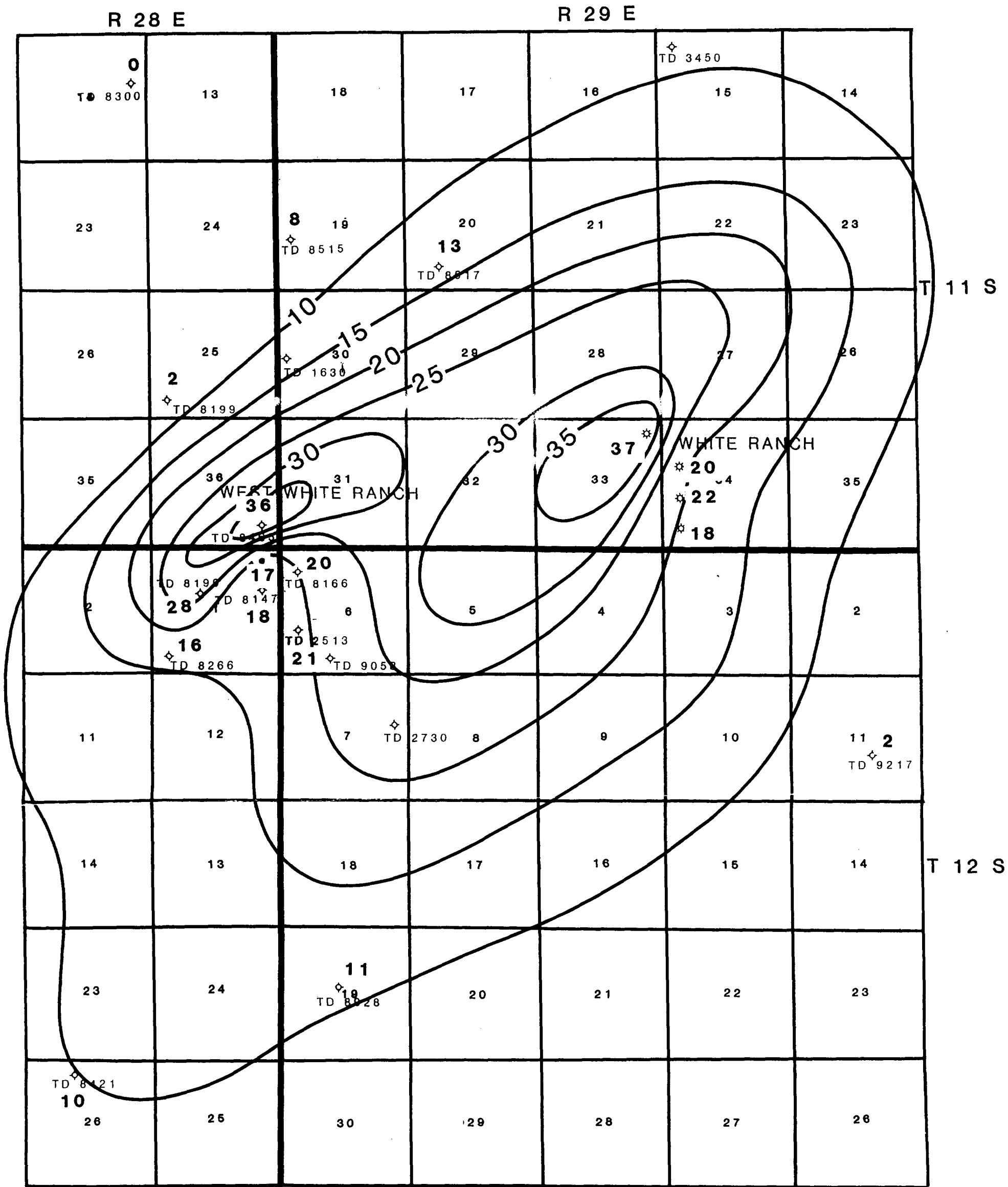
Fee Lands 10,400 ac 94.2%

State of New Mexico Lands 640 ac 5.8%

Jack Ahlen 5 Nov 1992

JOEL M. CARSON

300 AMERICAN HOME BUILDING  
P. O. DRAWER 239  
ARTESIA, NEW MEXICO 88211-0239



**PROPOSED TIGHT FORMATION DESIGNATION UNDER SECTION 107  
OF THE NGPA OF 1978, Amended March 31, 1992**

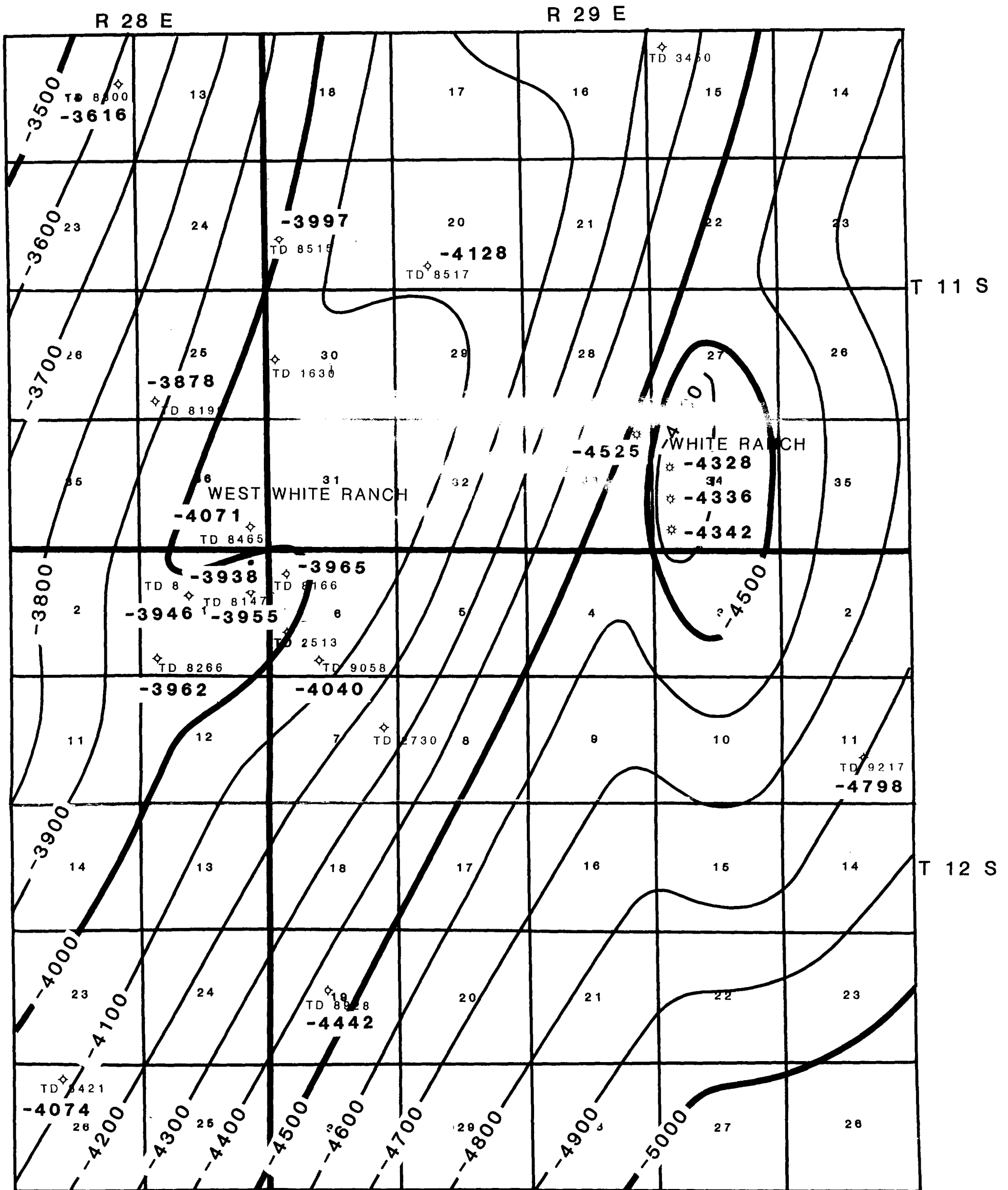
**WHITE RANCH AREA CHAVES CO. N.M.**

**Isopach, Mississippian Lime Porosity Greater Than 5%**

C.I. 5

Exhibit

*4 Case  
10617  
Dec 17, 1992*



Structure, Mississippian Lime

C.I. 100'

Exhibit

3  
Case 10617  
Dec 17, 1992