| DATE IN | SUSPENSE | ENGINEER | LOGGED IN | TYPE | APP NO. |
|---------|----------|----------|-----------|------|---------|
| | | <u>[</u> | | | |
| | | | | | |

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau



| | | 1220 South St. Francis Drive, Sa | | | |
|---------------|--|---|--|--|-------------------------------|
| | | ADMINISTRATIVE API | PLICATION CH | IECKLIST | |
| | HIS CHECKLIST IS M | ANDATORY FOR ALL ADMINISTRATIVE APPL WHICH REQUIRE PROCESSING A | | | EGULATIONS |
| Appar | [NSL-Non-Sta [DHC-Dow [PC-Po | ndard Location] [NSP-Non-Standar nhole Commingling] [CTB-Lease ool Commingling] [OLS - Off-Lease | Commingling] [PLC- e Storage] [OLM-Off IX-Pressure Maintenar IPI-Injection Pressure | Pool/Lease Commingl -Lease Measurement] ice Expansion] | ing] |
| [1] | TYPE OF AF | PPLICATION - Check Those Which Location - Spacing Unit - Simultar NSL NSP SD | | | |
| | Check [B] | One Only for [B] or [C] Commingling - Storage - Measurer DHC CTB PLC | | OLM | |
| | [C] | Injection - Disposal - Pressure Incr | | ccovery PPR | |
| | [D] | Other: Specify | | | |
| [2] | NOTIFICAT [A] | ION REQUIRED TO: - Check Tho Working, Royalty or Overridi | | | |
| | [B] | Offset Operators, Leaseholder | rs or Surface Owner | | |
| | [C] | Application is One Which Re | quires Published Legal | Notice | |
| | [D] | Notification and/or Concurrer U.S. Bureau of Land Management - Commiss | | | |
| | [E] | For all of the above, Proof of | Notification or Publicat | tion is Attached, and/or | , |
| | [F] | Waivers are Attached | | | |
| [3] | | CURATE AND COMPLETE INF ATION INDICATED ABOVE. | ORMATION REQUI | RED TO PROCESS | ГНЕ ТҮРЕ |
| [4] approv | val is accurate a ation until the re | TION: I hereby certify that the information and complete to the best of my knowl quired information and notifications | edge. I also understand are submitted to the Div | I that no action will be vision. | ninistrative taken on this |
| | | Statement must be completed by an indiv | | • | |
| Print o | of Type Name | Signature | Ofera Title | tions Marger | $\frac{Z - / Y - C}{Date}$ |
| | | | <u>JSC</u> e-mail Add | tions Manyer RICE Swd C liess | leaco. NET |

pKRV0302840048 5WD

RICE Operating Company

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)\$93-9174 • Fax: (505) 397-1471

January 17, 2003

Mr. David Catanach

New Mexico Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

RE: Approval to Inject into Perforations @ 4230'- 4320' Blinebry-Drinkard SWD Unit C Sec. 2 Township 22S Range 37E

Dear Mr. Catanach:

Rice Operating Company (ROC) is submitting an application for authorization to dispose of produced water into perforations @ 4230'- 4320' in the above referenced well to the New Mexico Oil Conservation Division (OCD). Currently the perforations are isolated with a packer set at 4362' with the disposal interval being the open hole section from 4400'- 4950', as ordered by OCD Order No. R-4495.

In order to perform an OCD requested mechanical integrity test (MIT) on the casing annulus, ROC is seeking permission to raise the packer approximately 150' to 4212'. This would place the packer above the top set of perforations and enable a MIT to be performed.

This SWD well is currently serving the disposal needs of approximately 450 producing wells, averaging 9000 barrels of water disposed per day.

ROC is sending this application to the surrounding operators listed: Marathon Inc., J.H.Hendrix Corp., ExxonMobil Inc., Oxy Permain, as well as the New Mexico State Land Office.

If you have any questions or comments please do not hesitate to call me at the numbers listed above.

Scott Curtis

Yours

Operations Manager

Cc Chris Williams /OCD

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

FORM C-108 Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

| I. | PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? Yes No |
|-------|---|
| II. | OPERATOR: Rice Operating Company |
| 5. | ADDRESS: 122 W Taylor Hobbs, NM 88240 |
| | CONTACT PARTY: Scott Curtis PHONE: (505) 393-9174 |
| III. | WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary. |
| IV. | Is this an expansion of an existing project? X Yes No If yes, give the Division order number authorizing the project: R-4495 R 4495 (A-D) |
| V. | Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. |
| VI. | Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. |
| VII. | Attach data on the proposed operation, including: |
| | Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). |
| *VIII | Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval. |
| X. | Describe the proposed stimulation program, if any. |
| X. | Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). |
| XI. | Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. |
| KII. | Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water. |
| III. | Applicants must complete the "Proof of Notice" section on the reverse side of this form. |
| | Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief. |
| | NAME: Scott Curtis TITLE: Operations Manager |
| | SIGNATURE: |
| | If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: |
| | approval of injection below 4400) |

API Well No: 30-025-24399-00-00 Permit No

Company Name: RICE OPERATING CO Location: Sec: 2 T: 22S R: 37E Spot:

Lat/Long: Lat: 32.42623 Long: -103.13448

Field Name: BLINEBRY DRINKARD

County Name: Lea

Cement from 300 ft. to surface Surface: 9.625 in. @ 300 ft. Hole: 9.625 in. @ 300 ft.

Well Name/No BLINEBRY DRINKARD

| String Information | | | | | | | | |
|--------------------|--------------------|----------------------|-------------------|----------------|--|--|--|--|
| String | Bottom (ft sub) | Diameter (inches) | Weight (lb/ft) | Length (ft) | | | | |
| HOL1 | 300 | 9.625 | | | | | | |
| SURF | 300 | 9.625 | 36 | 300 | | | | |
| HOL2 | 4400 | 7 | | | | | | |
| PROD | 4400 | 7 | 23 | 4400 | | | | |

Cement Information

| String | BOC (ft sub) | TOC (ft sub) | Class | Sacks |
|--------|-----------------|-----------------|-------|-------|
| PROD | 4400 | 0 | С | 130 |
| SURF | 300 | 0 | С | 175 |

Perforation Information

Formation Information St Code **Formation**

Depth

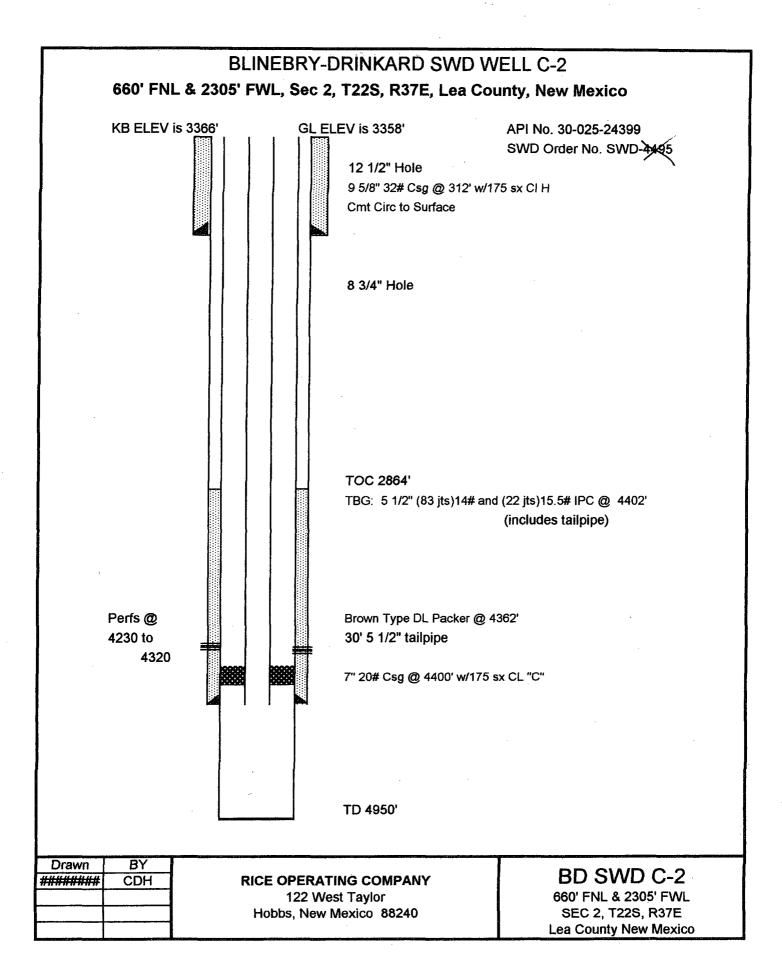
Cement from 4400 ft. to surface Production: 7 in. @ 4400 ft.

Hole: 7 in. @ 4400 ft.

TD:

TVD: 4950

PBTD: 0



| DISTRIBUT | | | \dashv | | | | | | | | | Form (| C-105 ed 1-1-65 | 4 |
|---------------------------|---------------------------------------|---------------|-------------|--------------------|---------------------------------------|-----------------|---------------------------------------|--|-------------|--------------|-----------------------|------------------|-----------------------------|-----------|
| SANTA FE | | | 1 | | | | | | | | Γ <u>sα</u> . | _ | te Type of Lease | |
| FILE | | | | | | | ONSERVAT | | | | 1 | State | | Fee [|
| U.S.G.S. | | | AFL | . CUMP | LEHUN | UK KE | ECOMPLE" | HON | REPORT | AND | LOG 5. | | Il & Gas Lease N | <u> </u> |
| LAND OFFICE | | | 1 | | | | | | | | ! | | | |
| OPERATOR | | | 1 | | | | | | | | 777 | m | mmm | m |
| IG. TYPE OF WELL | | |) | | | | | | | | | | | |
| Id. TYPE OF WELL | • | • | . — | | . — | _ | _ | | | | | Unit Agr Blir | reement Name nebry-Drinl | kard s |
| b. TYPE OF COMP | LETION | ~ | | WE | | DRY | OTHE | Sal | t Wate | r Dis ell | posal | | Lease Name | |
| NEW (X | OVER | DEE | PEN | PLU BAC | к 🗌 | DIFF. Resvr. | | | ision | | B1: | | y-Drinkaro | 1 SWD |
| 2. Name of Operator | | | | | | • | | | | | 1 | Vell No. | | |
| AGUA, INC. | tor | | | | | | | | | | | C-2 Field a | nd Pool, or Wildo | |
| P.O. Box 1 | 978. Ho | bbs. | New 1 | 1exico | 882 | 40 | | | | | | | • | |
| 4. Location of Well | | | **** | | | | | | | | 111 | 7777 | HILLII | 7777 |
| | | | | | | | | | | | | ///// | | 11111 |
| JNIT LETTERC_ | Loc | ATED | 60 | FEET | FROM THE | North | LINE A | ND _2 | 305 | FEET F | | | | 77777 |
| | | | | | 07- | _ | | | IXIII | | //// | County | | |
| HE West LINE | 16 Da | te T.D. | TWP. 22 | S R | e Compl. // | E NMF | Prod 1 18 | Flev | ttons (DE | RKR | Le | | Figure Control | 77777. |
| | 1 | | | | | , ,, | • | 366 ' | | 3358' | 4 | - 1 | 343 ' | 44 |
| 4/6/73 20. Total Depth | 1 4/ | 21. Pl | ug Back | T.D. | 22. | If Multi | ple Compl., I | | | | | | Cable Tools | |
| 4950 | | 1 | /A | | | Many N/ | | | Drille | d By | 30tary Tool 0-4950 | 1 | N/A | |
| 24. Producing Intervo | l(s), of thi | | | op, Botto | m, Name | | | | | | 0 4750 | | 5. Was Direction | al Survey |
| | | 1 | | | | | | | | | | | Mode | • |
| San Andres | (4400' | - 49 | 50') | | | | | | | | |] | Yes | |
| 16. Type Electric and | Other Log | s Run | | | | | | | | | | 27. Wo | s Well Cored | |
| Gamma Ray - | - Sidew | all N | eutro | n Porc | sity | | | | | | | 1 | 1 0 | |
| ?8. | | | | CA | SING REC | ORD (Re | port all strin | gs set | in, well) | | | | | |
| CASING SIZE | | SHT LB. | | DEPTI | HSET | | LESIZE | | | | RECORD | | AMOUNT PL | JLLED |
| 9 5/8" | 32 | | | 312' | | 124 | | | | | w/2% | | None | |
| 7" | 20 | | | 4400' | | | 3/4" | 175 | SX C1 | ass C | w/2% | CaC1 | None | |
| Open Hole | | | | <u>4400-4</u> | 950' | 8 | 3/4" | | | | | | | |
| | | | INER R | COPD | | <u> </u> | | ↓ | 30. | | TUBING | 9500 | BD. | |
| SIZE | То | | | TOM | SACKS C | EMENT | COSE | | | | | | 1 | |
| 317.5 | | | 80 | TOM | 3ACK3 C | EMENI | SCREEN | | 51ZE | - | 4402 | <u> </u> | PACKER S | 3 E I |
| | | | | | - | | | | | | 7.702 | | 1302 | |
| 11. Perforation Record | (Interval. | size and | number |) | L | | 32. | ACID | SHOT ER | PACTUE | PE CEMEN | IT SOLI | EEZE, ETC. | |
| | • | | | | | | DEPTH | | | | | | MATERIAL US | FD. |
| 4230-4320' | w/2 JS1 | PF 18 | l sho | ts | | | 4400-4 | | | 5,0 | 00 gals | s. 15 | % NEFE Aci | <u>.a</u> |
| Currently i | | | | | | | | | | | | | | |
| , | | | • | | | | | | | | | | | |
| | | | | · | | | | | | | | | | |
| 3. | | 1 | | (51 | | | UCTION | | | | | | | |
| ate First Production | | Produc | tion Met | hod [Flow | ing, gas li | jt, pump | ing - Size an | id type | pump) | | Well | Status (| Prod. or Shut-in) | , i |
| ate of Test | Hours Te | ested | Chok | e Size | Prod'n. | For | Oil - Bbl. | | Gas — MCF | · | ater - Bbl. | | Gas - Oil Ratio | |
| | | | | | Test Per | | | | | - 1" | | . | -011 112110 | |
| low Tubing Press. | Casing I | ressure | | ulated 24- Rate | Oil - Bb | 1. | Gas — N | ACF | Wat | er – Bb | l. | OII Gr | avity - API (Co | 77.) |
| 4. Disposition of Gas | (Sold used | for fuel | vented | etc.) | 1 | | | | | 1- | est Witness | ed P | | |
| | , , 16560 | . , , 1000 | , | , | | | | | | 1 | oo. Willioss | uy | | . |
| List of Attachments | · · · · · · · · · · · · · · · · · · · | | · | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| | | | | | | | · · · · · · · · · · · · · · · · · · · | ., | | | | | | |
| . I hereby certify that | the inform | ation sh | own on b | oth sides | of this for | m is true | e and complet | e to th | e best of m | y knowl | edge and b | eli e f. | | |
| NI.O | 1110 | | | | | ., | | | | | | 7 | 1, 1986 | 1 |
| SIGNED | Mose | 7 | W.G. | Abbot | t TITL | EMa | nager | | | | DATE_ | June | = 1, 1900 | |

| Dias Ones | | | | |
|--|--|---|---|---|
| | rating | Blinebry-Drinkard SWI |) System | |
| HELL NO. C-2 | 2305' FWL, 660 FML | SCCTION | TOWNSHIP | RANGE |
| C-2 | 5303 LMF, 000 LMF | 2 | 22 S | 37E |
| Schema | ntic | : | abular Data | |
| | -24,- | | | |
| | | Size 9-5/8 | | 175 |
| | | | Cemented | |
| | | Hole size 12 ½ | feet determined | by <u>circulat</u> |
| | | Intermediate Casing | | |
| | | Size N/A " | Cemented w | ith N/A. |
| | | TOC N/A | | |
| | | Hole size N/A | | |
| (See attachme | unt) | Long string | | |
| (DDD ULLDCIME | | | Com A Access | 175 |
| | | | Cemented wi | |
| | · • | 0.2/411 | et determined b | , carediatio |
| | • | Hole size 8-3/4" | | • |
| | | Yotal depth 4400' | | |
| | | Injection interval | | v |
| | ī | 4400 feet to (perforated or open-hole | 4950 , indicate which | feet |
| |] | Propose to open perfora | tions @ 4230'. | - 4320' |
| | | | FIDHS G 4570 | 7,520 |
| | • | • • • | LIDIA C 4250 | 4520 |
| | • | • • • | 110113 (4230 | 4320 |
| ٠ | • | | 115H3 (4230) | |
| | | • | 110HB (4230 | |
| | | • | 110113 (4230 | |
| | | | 110113 (42.30 | |
| • | | | | 1525 |
| | | | | 1520 |
| | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| | | | | |
| .ng size <u>5−</u> | 1/2" lined wi | | | set in a |
| | | th <u>TK-69 plastic coa</u> (material) | Led | set in a |
| | | | Led | set in a |
| own type DI. ** ,(brand and | | th <u>TK-69 plastic coa</u> (material) packer at | Led | set in a |
| own type NI. ** ,(brand and describe any o | model) | th <u>TK-69 plastic coa</u> (material) packer at | Led | set in a |
| own type DI. ** ,(brand and describe any o | t model) ther casing-tubing sea | th <u>TK-69 plastic coa</u> (material) packer at | red | set in a feet |
| own type NI. ** "brand and describe any o r Data Name of the in | t model) ther casing-tubing sea | th <u>TK-69 plastic coa</u> (material) packer at <u>j</u> | red | set in a feet |
| form type NI. ** for and and describe any or Onta Name of the in | t model) ther casing-tubing sea jection formation or Pool (if applicable | th <u>TK-69 plastic coa</u> (material) packer at <u>j</u> | ted | set in a feet |
| chron type NL ** Chrand and describe any o r Data Name of the in Name of Field of | ther casing-tubing sea jection formation or Pool (if applicable | th <u>TK-69 plastic_coa</u> (material) packer at <u>/</u> il). San Andres) <u>N/A</u> | red | set in a |
| chron type NL ** Chrand and describe any o r Data Name of the in Name of Field of | ther casing-tubing sea jection formation or Pool (if applicable | th | red | set in a |
| Abrand and describe any or nota Name of the in Name of Field of Is this a new will no, for what | ther casing-tubing sead pection formation or Pool (if applicable well drilled for inject purpose was the well ter boon perforated in | th | i362 | set in a feet |
| Abrand and describe any of the ingression of the | ther casing-tubing sea jection formation or Pool (if applicable well drilled for inject purpose was the well for been perforated in ng detail (sacks of co | th | i362 alt water dispo all such perfor sed) Yes, Curre | set in afeet sal ated interval |
| Comm type NI. ** Chrand and describe any or Onta Name of the in Name of Field of Is this a new self no, for what las the well evend give pluggi | ther casing-tubing sea jection formation or Pool (if applicable well drilled for inject purpose was the well for been perforated in ng detail (sacks of co | th | i362 alt water dispo all such perfor sed) Yes, Curre | set in a feet |

5.

MAP OF AREA

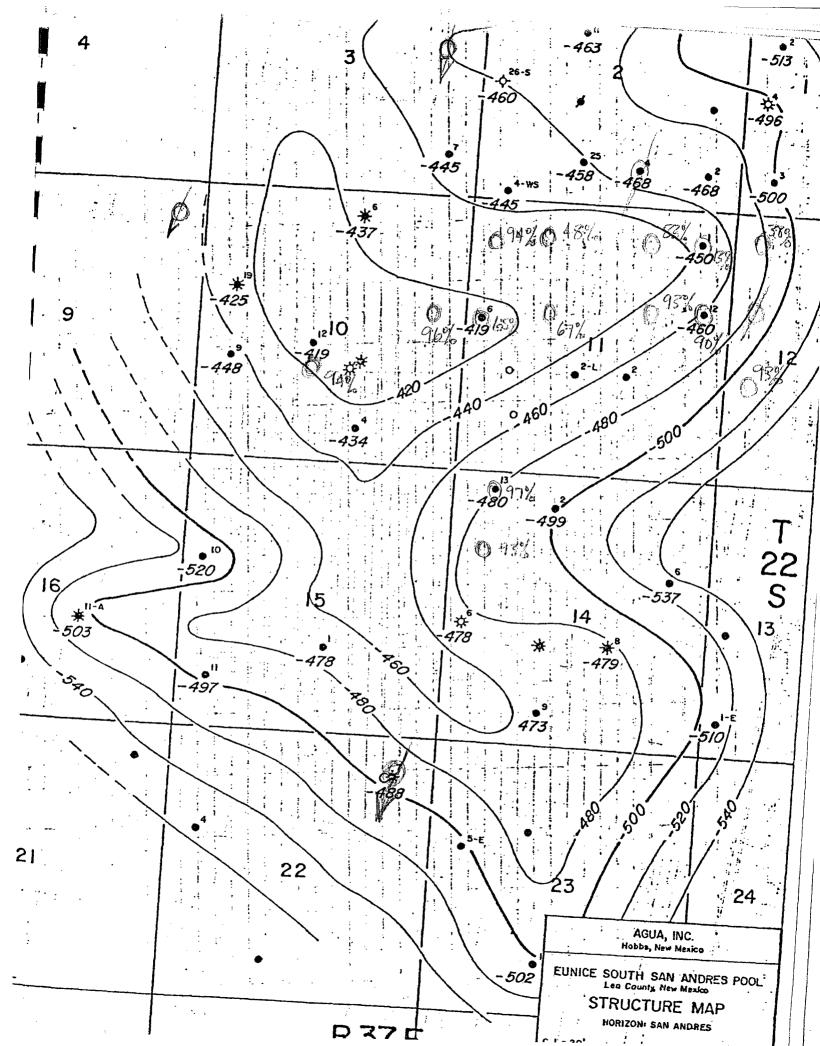
| 10 19 19 19 19 19 19 19 19 19 19 19 19 19 | 100 Same 12 * | Gerry Sicomo 1 14 | ing (su[i] Kirby Expl. ing sun disch sun) Solom | Soloi JAR.Ca Lym | 7 |
|--|--|--|--|--|------|
| (Due) 10 1 10 1 10 10 10 10 10 10 10 10 10 10 | 032034 Millord | and and a come | Sur Strate South And South | Solod Work (* 1-31 : 1. 2. 2. 1270-6 2:83183 17233 | |
| | 202 | Trine |) (Delle) 0 mm | 2 Noise | |
| 7.5.1 | 27 | A B Co. Gul 26 Sun m | 11 '0' Software 10 6 11 | | 4 |
| | * met | A.P.Ca. Gu. 7 . Sun a | ARCO A Minty Sunt Agency | 2 -0110 8 3 A.R.Ca 11-1-03 | 7 |
| 26.3 | . 13 Jan - 1 J | ARCA BRES | Simmons Vargan Dones | Lub Jenes abol 30 U \$ W Logur Lo | 1 |
| 5 | | (Out) Out A High B Out | ARCA Reports (199) True Denes | ל המונג עומה ביש עומה און ל המוני איני און ל איני איני איני איני איני איני איני אי | 150 |
| Mobil 29 14 yancas | 1 3 004 4 22 04 9 192 | (seco, etal 032078 | Amaco | A.R.Ça Strang | 17.1 |
| NX A Q D 1 18 Out | m 3 Marshard \$4.4 April 1977 The bill of the property of the | 'A-35" '9-35" |)) | 3. 1. H 2193:20 | |
| Total Samuel | Arrocco of bank state | Noronco | 1(76) | | |
| 33 | Amoco 34 A Hardison | Macathan Cities Sero (e) | H=36=== | 31_ | |
| Tank Tank Tank Tank | 3 | The state of the s | 367° 93 | CKISAN ANGELOII | Į |
| CHOP 13335 | " TEUNICE | Scard Over | M | U.S., MI (50'07C) | - |
| Armerous 123 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | The same of | TOO North Own | am 5'0' | Scince server; | 1. |
| Mageroit Shell Amerada | الف المراجع الم | Mark Uner Est, 877 Turner (5) Class William (1) Class William (1) Out Aqua tree Essen | ا مداد دوراد معرس ا | Marie de Marie de Marie de Nación de Marie de 13.5 mm | 7 |
| | | | Marothon #5 | 1000 | } |
| Gulf Condition (Condition) | Ershet Elforover Tours | / افرانها کا | 21 p((2m)) p 22 | 1 | ł |
| | TIAR Cal | | Lynch" out Alice Poddock | PIS Imp. Arrer Janes 15 | |
| ASIPH OF CITY AND | 32 | 23 4 23 123 13 13 13 13 13 13 13 13 13 13 13 13 13 | S. Doll on B. L.V. E On | James Paracos Janas Harris (Grooms) | |
| Semi Guil Smart Garde | Answerke La Handrik | (Gran Cone Triples) Suns | M. Filmen Ground and a control of the Dist | 4 G. Grby Epil 2524 | (|
| Semy Sur Transition of the second | 37 4 7 107530 | 13 1 25 m 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Sunrous Sun Alice Poddock Sunrous Sun Alice Poddock B LV. E alice Sunry etails: When Charten Survey and Survey etails: **Hood Survey Survey Survey etails: **Hood Survey Sur | L.B. Jones Fed. (Cry U.S. MI) L.B. Jones Fed. (Cry U.S. MI) L.Y. Sims etal. (S) | |
| Litherons 4 15 16 16 16 16 16 16 16 16 16 16 16 16 16 | 3 | | | ancolinge - Karby Erak Karby Laph. | Ì |
| Trivierors VISIA | Carried Guel Gulys | Anadarka Ana | C32349 Whileker 3553'0 3 | 0uol 025029 21/3 1751070 Control 025029 863 | ł |
| Salva Man Gor Brisaning Salva Man Gor Brisaning Salva Man Gor Brisaning Salva Man Gor Brisaning Arga Gor Man Gor Man Gor Man Gor Gor Man G | 0-m Argy 9 [Arwason 15 15 | 33 | Salida Salida | | 127 |
| Penrose of At Brunson | Pin Arga a L prunson und 15 | Con Herders // Mobil | Substantial Substantial | Augustes with Sims fee | 02/2 |
| Example Property | (Sirely and (Pro) (100) | 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | (DOI) 200 Dual - 3004 | Sun Gulf | 31 |
| I | (2) (2) (2) (2) (2) (3) | 0 10 10 10 10 10 10 10 10 10 10 10 10 10 | Sobio Penese | Mobee Pet. \$339.27 | |
| Short and Size 13 of the Chairman and th | ind a per land again that | 70 30 000 1031 | 0.001 mmn elsi | Belcher MI | |
| All I Carrier | | (وبوال داردة الأوال | Sono Hensel | | |
| mo States Call To Barren Colores Upper | Arada | Andrew State of Land | o (octore) | ⊕144 7/19-3 500 NCT 1 032100 | |
| | | Tell Poloniaro | diserva . 165:291 Secretar Supplemental Burgh # | Amer Petrofina | , |
| D. M. C. Storik | Accounts of 3 C. Schar errist. (Print) | A Jams et a | A.G. | IA | |
| (Part 16 Gulpan 2 2 | 1954am | Sec. 3 | Tes Pocific Sur Compe | orange of the state of the stat | |
| 10 A 1975 A 10 10 10 10 10 10 10 10 10 10 10 10 10 | Amazora e 13 T C Scholl er (3) (Pre) (| Arodorios pomocon | Ousing & Burter | (wg) Farmy Duel Harrier Lockhart | |
| To Ag Out and a special such a special such as special | The state of the s | ייים ואינים ואינ | Analars & Burrer Trope of Just Triple of Justine Durch of Landbox | \$ (0.3) 10m 10m 10m 10m 10m | |
| P = 5.39-5.9.0 | En moun a w wight | 4000 2015 to. | July FJErnalde | Edith Bullet 1 U.S | • |

INNER CIRCLE:

AREA OF REVIEW

OUTER CIRCLE:

GENERAL AREA



122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

PADDOCK UNIT

WELL NO.:

3

WELL TYPE:

OILP&A

CONSTRUCTION:

13 ³/₈" @ 300' W/250 SX 8 ⁵/₈" @ 2800' W/1500 SX

5 ½" @5057' W/400 SX

DATE DRILLED:

06/25/47

LOCATION:

660' FSL, 735' FWL

UNIT M, SEC. 35 – T21S-R37E

T.D.:

5201'

P.B.T.D.:

RECORD OF COMPLETION: PERF (SAN ANGELO) @ 5057' – 5201' (OPEN HOLE)

CIBP @ 4960'

* SEE ATTACHED P & A WELLBORE DIAGRAM

P & A WELLBORE DIAGRAM EXXON MARK OWEN WELL NO. 3

10 SX SURFACE PLUG

13 3/8" @ 300' W/250 SX 35 SX @ 350'

5½" CUT AND PULLED @ 1120'
70 SX @ 1200' - 900'

8 5/8" @ 2800' W/1500 SX 35 SX @ 2850'

20 SX @ 3300'

20 SX @ 3800'

CIBP @ 4960' W/10 SX ON TOP

5½" @ 5057' W/400 SX

TD 5201'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

PADDOCK UNIT

WELL NO.:

4

WELL TYPE:

OIL P & A

CONSTRUCTION:

13 ³/₈" @ 310' W/250 SX

8 ⁵/₈" @ 2800' W/1500 SX 5 ¹/₂" @5095' W/400 SX

DATE DRILLED:

05/28/47

LOCATION:

711' FSL, 2041' FWL

UNIT N SEC. 35 – T21S-R37E

T.D.:

5200'

P.B.T.D.:

RECORD OF COMPLETION: PERF (PADDOCK) 5095' - 5140'

CIBP @ 4960'

* SEE ATTACHED P & A WELLBORE DIAGRAM

10 SX SURFACE PLUG 13 3/8" @ 310' W/250 SX 35 SX @ 350' 5½" CUT AND PULLED @ 1130' 70 SX @ 1200' 8 5/8" @ 2800' W/1500SX 20 SX @ 28501 20 SX @ 3300° 20 SX @ 3800° CIBP @ 4960' W/10 SX ON TOP 4.5 5½" @ 5095' W/400 SX TD 5200'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

PADDOCK UNIT

WELL NO .:

5

WELL TYPE:

WATER INJECTION P & A

CONSTRUCTION: 13 3/8" @ 296' W/250 SX 8 ⁵/₈" @ 2814' W/500 SX

5 1/2" @5105' W/250 SX

DATE DRILLED:

12/19/46

LOCATION:

710' FSL, 2040' FWL

UNIT O SEC. 35 - T21S-R37E

T.D.:

5195'

P.B.T.D.:

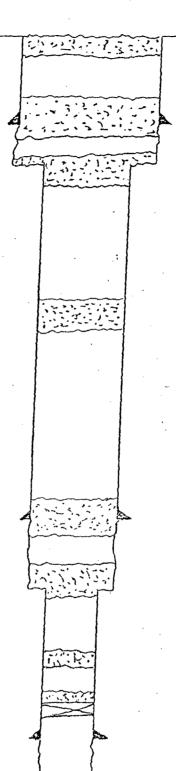
4950'

RECORD OF COMPLETION: PERF (PADDOCK) @ 5105' - 5195'

CIBP @ 4950'

^{*} SEE ATTACHED P & A WELLBORE DIAGRAM

P & A WELLBORE DIAGRAM EXXON MARK OWEN WELL NO. 5



10 SX SURFACE PLUG

70 SX @ 350' - 240' 13 3/8" @ 296' W/250 SX

8 5/8" CUT AND PULLED @ 42 75 SX @ 475'

70 SX @ 1200'

8 5/8" @ 2814' W/500 SX 35 SX @ 2865' - 2750'

70 SX @ 3395' - 3165' 5½" CUT AND PULLED @ 3395'

20 SX @ 3800'

CIBP @ 4950' W/10 SX ON TOP 5½" @ 5105' W/250 SX

TD 5195'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

PADDOCK UNIT

WELL NO.:

6

WELL TYPE:

OIL P & A

CONSTRUCTION:

13 ³/₈" @ 291' W/300 SX

8 ⁵/₈" @ 2833' W/500 SX 5 ½" @5145' W/200 SX

DATE DRILLED:

02/25/47

LOCATION:

720' FSL, 720' FEL

UNIT P SEC. 35 - T21S-R37E

T.D.:

5225'

P.B.T.D.:

4970'

RECORD OF COMPLETION: PERF (PADDOCK) @ 5145 – 5225' (OPEN HOLE)

CIBP @ 4970'

^{*} SEE ATTACHED P & A WELLBORE DIAGRAM

10 SX SURFACE PLUG

10 3/8" @ 291' W/300 SX 75 SX @ 340' - 240'

75 SX @ 665' - 550' 8 5/8" CUT AND PULLED @ 860

70 SX @ 1200'

35 SX @ 2850' - 2775' 8 5/8" @ 2833' W/500 SX

40 SX @ 3250' - 3020' 5½" CUT AND PULLED @ 3155'

20 SX @ 3800'

CIBP @ 4970' W/10 SX ON TOP 5½" @ 5145' W/200 SX

TD 4970'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

PADDOCK UNIT

WELL NO.:

11

WELL TYPE:

OIL P& A

CONSTRUCTION:

9 ⁵/₈" @ 331' W/200 SX

7 ⁵/₈" @ 2581' W/665 SX 5 ½" @ 5184' W/300 SX

DATE DRILLED:

02/22/47

LOCATION:

660' FNL, 2055' FWL

UNIT C SEC. 2 - T22S-R37E

T.D.:

5185'

P.B.T.D.:

RECORD OF COMPLETION: PERF (SAN ANGELO) @ 5080' - 5175'

* SEE ATTACHED P & A WELLBORE DIAGRAM

P & A WELLBORE DIAGRAM EXXON NEW MEXICO "S" STATE WELL NO. 11

10 SX SURFACE PLUG

9 5/8" @ 331' W/200 SX

PERF. @ 1250' CIR. CMT. 1 SURFACE TOP OF PLUG @ 1140'

7 5/8" @ 2581' W/665 SX 30 SX @ 2600'

30 SX @ 3900'

60 SX @ 5070 - 4982 *

5½" @ 5184' W/300 SX

TD 5185'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

12

GAS

WELL TYPE:

CONSTRUCTION: 10 3/4" @ 340' W/275 SX 7 5/8" @ 2616' W/873 SX

513" @ 6536' W/525 SX

DATE DRILLLED: 10/26/46

LOCATION:

660 FNL, 760 FEL

UNIT A, SEC. 2-T22S-R37E

T.D.:

6540'

P.B.T.D.:

63631

RECORD OF COMPLETION:

PERF (DRINKARD) @ 6329' - 6331'

6346' - 6351'

PERF (BLINEBRY) @ 5650' - 5515' THRU ANNULUS

2 3/8" TBG @ 6200 W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> HELL HITTH UNC-MALE MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

13

WELL TYPE: GAS

CONSTRUCTION: '10 3/4" @ 340' W/250 SX

· 7 5/8" @ 2598' W/725 SX

5½" @ 6554' W/455 SX

DATE DRILLLED: 11/30/46

LOCATION:

660' FNL, 1980' FEL

UNIT B, SEC. 2-T22S-R37E

T.D.:

65551

P.B.T.D.:

65351

RECORD OF COMPLETION:

PERFS (DRINKARD) @ 6280' - 6430'

64371 - 64901

PERFS (TUBB) @ 5960' - 6160' THRU ANNULUS

2 3/8" TBG @ 6205' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

PADDOCK UNIT

WELL NO.:

13

WELL TYPE:

WATER INJECTION P & A

CONSTRUCTION:

10 ³/₄" @ 356' W/ 350 SX 7 ⁵/₈" @ 2809' W/ 1325 SX

5 ½" @ 5204' W/ 350 SX

DATE DRILLED:

04/04/46

LOCATION:

660' FNL, 660'FEL

UNIT A SEC. 2 - T22S-R37E

T.D.:

5205'

P.B.T.D.:

_ - - -

RECORD OF COMPLETION: PERF (SAN ANGELO) @ 5115' - 5200'

* SEE ATTACHED P & A WELLBORE DIAGRAM

P & A WELLBORE DIAGRAM EXXON NEW MEXICO "S" STATE WELL NO. 13

10 SX SURFACE PLUG

10 3/4" @ 356' W/350 SX

PERF.@ 1250' PUMPED 200 SX TO SURFACE TOP OF PLUG @ 1144'

7 5/8" @ 2809' W/1325 SX

30 SX @ 2860'

30 SX @ 3900'

60 SX @ 5100' - 4982'

5½" @ 5204' W/350 SX TD 5205'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

WELL TYPE:

GAS

CONSTRUCTION: , 10 3/4" @ 321' W/250 SX 7 5/8" @ 2581' W/760 SX

5½" @ 6429' W/485 SX

DATE DRILLLED:

1/14/47

LOCATION:

660' FNL, 1980' FWL

UNIT C, SEC. 2-T22S-R37E

T.D.:

6502'

P.B.T.D.:

6415'

RECORD OF COMPLETION: PERF (DRINKARD) @ 6243' - 6383'

PERF (BLINEBRY) @ 5485' - 5620'

2 3/8" TBG @ 6199' W/PACKER

THRU ANNULUS

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

PADDOCK UNIT

WELL NO.:

20

WELL TYPE:

OILP&A

CONSTRUCTION:

10 ³/₄" @ 354' W/400 SX 7 ⁵/₈" @ 2820' W/2140SX

5 ½" @5177' W/450 SX

DATE DRILLED:

01/09/46

LOCATION:

1980' FNL, 720' FEL

UNIT H SEC. 2 - T22S-R37E

T.D.:

5188'

P.B.T.D.:

_ _ _

RECORD OF COMPLETION: PERF @ 5050' - 5170'

* SEE ATTACHED P & A WELLBORE DIAGRAM

TD 5188' .

10 SX SURFACE PLUG

10 3/4" @ 354' W/400 SX 30 SX @ 400'

60 SX @ 1200'

5½" CUT AND PULLED @ 2440' 30 SX @ 2490' - 2335'

7 5/8" @ 2820' W/2140 SX 35 SX @ 2875'

20 SX @ 3300'

20 SX @ 3800'

5½" @ 5177' W/450 SX

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> HELL HITHIN UNE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON .

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

20

WELL TYPE: GAS

CONSTRUCTION: 10 3/4" @ 315' W/250 SX

7 5/8" @ 2590' W/1417 SX 5½" @ 6500' W/515 SX

DATE DRILLLED: 4/9/49

LOCATION:

2100 FNL, 500 FWL

UNIT E, SEC. 2-T22S-R37E

T.D.:

65011

P.B.T.D.:

64951

RECORD OF COMPLETION: PERF (TUBB) @ 5825' - 6150' THRU ANNULUS

PERF (DRINKARD) @ 6260! - 6437!

2 3/8" TBG @ 6195' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

27

WELL TYPE:

GAS

CONSTRUCTION: 10 3/4" @ 1167' W/600 SX CIR. TO SURFACE

7" @ 7252' W/1550 SX CIR.TO SURFACE

DATE DRILLLED: 11/20/75

LOCATION:

1830' FSL' 1900' FWL

UNIT K SEC. 2-T22S-R37E

T.D.:

73881

P.B.T.D.:

7195'

RECORD OF COMPLETION: PERF (ABO) @ 6756' - 6903'

PERF (DRINKARD) @ 6271' - 6498' ACID @ 6765' - 6903' 13000 GAL. ACID @ 6271' - 6498' 8000 GAL.

2 3/8" TBG @ 6241' W/PARALLEL ANCHOR

2 3/8" TBG @ 6657' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

KADIUS OF SWD WELL NO. C-2

OPERATOR: EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO.: 28

WELL TYPE: OIL & GAS

CONSTRUCTION: 10 3/4" @ 1120' W/520 SX CIR. TO SURFACE

7" @ 7198' W/1550 SX CIR. TO SURFACE

DATE DRILLLED: 5/1/76

2160' FNL, 1800' FWL

UNIT F, SEC. 2-T22S-R37E

T.D.: 7200'

P.B.T.D.: 7067'

RECORD OF COMPLETION: PERF (DRINKARD) @ 6267'-6447'

PERF (ABO) @ 6768'-6916'

2 3/8" TBG @ 6212' W/PARALLEL ANCHOR

2 3/8" TBG @ 6625' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> WELL WITHIN UNE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

31

WELL TYPE:

GAS

CONSTRUCTION: 10 3/4" @ 1151' W/670 SX CIR. TO SURFACE

7" @ 7200' W/2070 SX TO 2200'

6岁" OPEN HOLE

DATE DRILLLED: 6/7/76

LOCATION:

1660' FWL' 810' FEL

UNIT H, SEC. 2-T22S-R37E

T.D.:

7697

P.B.T.D.:

7140'

RECORD OF COMPLETION: PERF (DRINKARD) @ 6333' - 6364' SI PERF (WANTZ ABO) @ 6652' - 6772'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

32

WELL TYPE: OIL & GAS

CONSTRUCTION: 9 5/8" @ 1155' W/670 SX

7" @ 7450' W/2040 SX

DATE DRILLLED: 10/23/76

LOCATION:

2300 FNL, 1980 FEL

UNIT G, SEC. 2-T22S-R37E

T.D.:

7450'

P.B.T.D.:

74071

RECORD OF COMPLETION: PERF (GRANITE WASH) @ 7210' - 7360'

PERF (DRINKARD) @ 6279' - 6319'

2 3/8" TBG @ 7168' W/PACKER

2 3/8" TBG @ 6210' W/PARALLEL ANCHOR

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> HERE HITTIN UNC-MALE MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

35

WELL TYPE:

OIL

CONSTRUCTION: 10 3/4" @ 1193' W/670 SX

'7" @ 7608' W/2040 SX

DATE DRILLLED: 11/11/76

LOCATION:

760 FNL, 500 FEL

UNIT A, SEC. 2-T22S-R37E

T.D.:

7610'

P.B.T.D.:

7571'

RECORD OF COMPLETION: PERFS (ABO) @ 6713' - 6984'

PERFS (GRANITE WASH) @ 7284' - 7486'

2 3/8" TBG @ 6666' W/PARALLEL ANCHOR @ 6663'

2 3/8" TBG @ 7204' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> ONE-HALE MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON

LEASE:

NEW MEXICO "S" STATE

WELL NO .:

37

WELL TYPE:

OIL

CONSTRUCTION: 9 5/8" @ 1174' W/700 SX

7" @ 7500' W/2040 SX

DATE DRILLLED:

3/24/77

LOCATION:

330' FNL, 1980' FWL

UNIT C, SEC. 2-T22S-R37E

T.D.:

7500'

P.B.T.D.:

73591

RECORD OF COMPLETION: PERF (GRANITE WASH) @ 7154' - 7310'

PERF (ABO) @ 6640' - 6870'

2 3/8" TBG @ 7069' W/PACKER

2" TBG @ 6538' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON MOBIL CORP

LEASE:

NEW MEXICO "S" STATE

WELL NO.:

38

WELL TYPE:

OIL

CONSTRUCTION:

9 ⁵/₈" @ 1129' W/700 SX CIR. TO 250'

7" @ 7650' W/2040 SX CIR. TO 1500'

DATE DRILLED:

04/17/77

LOCATION:

2100' FNL, 660' FWL

UNIT E SEC. 2 – T22S-R37E

T.D.:

7600'

P.B.T.D.:

7560'

RECORD OF COMPLETION: PERF (ABO) @ 6620' - 6898'

PERF (GRANITE WASH) @ 7158' - 7465' 2 ³/₈" TBG @ 6517' W/PACKER @ 6577'

2 ³/₈" TBG @ 7060' W/PACKER

^{*} SEE ATTACHED P & A WELLBORE DIAGRAM

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

EXXON MOBIL CORP

LEASE:

NEW MEXICO "S" STATE

WELL NO.:

39

WELL TYPE:

GAS

CONSTRUCTION:

9 ⁵/₈" @ 1175' W/700 SX

7" @ 7500' W/2040 SX

DATE DRILLED:

06/02/77

LOCATION:

330' FNL, 550 FWL

UNIT D SEC. 2 - T22S-R37E

T.D.:

7500'

P.B.T.D.:

7350'

RECORD OF COMPLETION: PERF (ABO) @ 6582' - 6867'

2 ³/₈" TBG @ 6535' W/PACKER

^{*} SEE ATTACHED P & A WELLBORE DIAGRAM

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

MARATHON

LEASE:

MARK OWEN

WELL NO .:

WELL TYPE:

OIL & GAS

CONSTRUCTION: 13 3/8" @ 292' W/250 SX · 8 5/8" @ 2800' W/1500 SX

5½" @ 6416' W/600 SX

DATE DRILLLED: 8/26/46

LOCATION:

660' FSL, 660' FWL

UNIT M, SEC. 35-T21S-R37E

T.D.:

65521

P.B.T.D.:

RECORD OF COMPLETION:

PERF (BLINEBRY) @ 5436' - 5630' THRU ANNULUS PERF (DRINKARD) @ 6416' - 6552' (OPEN HOLE)

2 7/8" TBG @ 6313' W/PACKER @ 6300'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

MARATHON

LEASE:

MARK OWEN

WELL NO .:

WELL TYPE:

GAS

CONSTRUCTION:

13 3/8" @ 313' W/250 SX 8 5/8" @ 2800' W/1500 SX

5½" @ 6424' W/600 SX

DATE DRILLLED:

10/17/46

LOCATION:

660' FSL, 1980' FWL

UNIT N, SEC. 35-T21S-R37E

T.D.:

65501

P.B.T.D.:

6415'

RECORD OF COMPLETION: PERF (DRINKARD) @ 6234' - 6385'
PERF (TUBB) @ 5938' - 6110' THRU ANNULUS

2 3/8" TBG @ 6170' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

MARATHON

LEASE:

MARK OWEN

WELL NO .:

WELL TYPE:

OIL & GAS

CONSTRUCTION: ' 8 5/8" @ 1252' W/600 SX

· 5½" @ 7427! W/2525 SX

DATE DRILLLED: 11/22/75

LOCATION:

660' FSL, 2310' FWL

UNIT N, SEC. 35-T215-R37E

T.D.:

74271

P.B.T.D.:

7396'

RECORD OF COMPLETION: PERF (ABO) @ 6833' - 7218'

PERF (GRANITE WASH) @ 7254' - 7294'

2 1/16" TBG @ 6800' W/PACKER 2 1/16" TBG @ 7230' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

MARATHON

LEASE:

MARK OWEN

WELL NO .:

WELL TYPE:

OIL

CONSTRUCTION:

9 5/8" @ 1256' W/600 SX

7" @ 7505' W/2450 SX

DATE DRILLLED:

4/13/77

LOCATION:

760' FSL, 760' FWL

UNIT M, SEC. 35-T21S-R37E

T.D.:

75051

P.B.T.D.:

74991

RECORD OF COMPLETION: PERF (GRANITE WASH) @ 7156' - 7487'

PERF (WANTZ ABO) @ 6648' - 7017 2 1/16" TBG @ 7055' W/PACKER

2 3/8" TBG @ 7128' W/PACKER

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

> Well within one-half mile Radius of Swd well no. C-2

Operator:

J.H. Hendrix Corp.

Lease:

Paddock unit

Well#

10

Well Type:

Oil & Gas

Construction:

95/8" @ 324' w/225 sx cir. To surface

75/8" @ 2563' w/785 sx cir. To surface 51/2" @ 6448' w650 sx cir. To surface

Date Drilled:

3/24/47

Location:

660 FNL, 660 FWL

Unit D, Sec. 2 T22s R37e

T.D.:

6534'

P.B.T.D.:

6385°

Record of Completion: Perf (Paddock) @ 5060'- 5190'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

J. HENDRIX CORP

LEASE:

PADDOCK UNIT

WELL NO.:

12

WELL TYPE:

OIL T & A SINCE 10/01/76

CONSTRUCTION:

10 3/4" @ 400' W/ 300 SX 7 5/8" @ 2800' W/ 950 SX

5 ½" @ 5210' W/ 500 SX

DATE DRILLED:

05/10/47

LOCATION:

660' FNL, 1905'FEL

UNIT B SEC. 2 – T22S-R37E

T.D.:

5210'

P.B.T.D.:

RECORD OF COMPLETION: PERF (PADDOCK) @ 5095' - 5205'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

HENDRIX

LEASE:

PADDOCK UNIT

WELL NO.:

17

WELL TYPE:

WATER INJECTION T & A EXPIRES 05/07/87

CONSTRUCTION:

10 ³/₄" @ 320' W/250 SX 7 ⁵/₈" @ 2551' W/1350 SX

5 ½" @ 5215' W/250 SX

DATE DRILLED:

06/24/47

LOCATION:

1980' FNL, 660' FWL

UNIT E SEC. 2 - T22S-R37E

T.D.:

5215'

P.B.T.D.:

- - -

RECORD OF COMPLETION: PERF @ 5060' - 5210'

CIBP @ 4990' W/35 SX

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

HENDRIX

LEASE:

PADDOCK UNIT

WELL NO.:

18

WELL TYPE:

OIL

CONSTRUCTION:

10 ³/₄" @ 317' W/250 SX

7 ⁵/₈" @2519' W/1000 SX 5 ½" @5218' W/375 SX

DATE DRILLED:

10/03/46

LOCATION:

1980' FNL, 1980' FWL

UNIT F, SEC 2-T22S-R37E

T.D.:

5218'

P.B.T.D.:

RECORD OF COMPLETION: PERF (PADDOCK) @ 5065' - 5205'

ACID @ 5065' - 5205' W/3000 GAL 20% HCL

 $2^{3}/8$ " TBG @?

^{*} LAST FILE DATED 1978

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

HENDRIX

LEASE:

PADDOCK UNIT

WELL NO.:

19

WELL TYPE:

WATER INJECTION

CONSTRUCTION:

10 3/4" @ 368' W/250 SX

7 ⁵/₈" @ 2816' W/850 SX 5 ½" @ 5198' W/400 SX

DATE DRILLED:

07/21/46

LOCATION:

1980' FWL, 1980' FEL

UNIT G SEC. 2 - T22S-R37E

T.D.:

5198'

P.B.T.D.:

RECORD OF COMPLETION: PERF @ 5088' - 5193'

CIBP @ 5055' W/PACKER

^{*} LATEST REPORT ON FILE DATED 1968

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

HENDRIX

LEASE:

PADDOCK UNIT

WELL NO.:

29

WELL TYPE:

WATER INJECTION T & A EXPIRES 05/07/87

CONSTRUCTION:

10 ¾" @ 366' W/250 SX 7 ⁵/₈" @ 2788' W/975 SX 5 ½" @ 5209' W/300 SX

DATE DRILLED:

08/19/46

LOCATION:

1980' FSL, 1980' FWL

UNIT K SEC. 2 - T22S-R37E

T.D.:

5209'

P.B.T.D.:

4985'

RECORD OF COMPLETION: PERF @ 5055' - 5205'

SAN ANGELO

CIBP @ 4985' W/35 SX

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

OXY USA W & P, L.P.

LEASE:

OWEN

WELL NO.:

1

WELL TYPE:

OIL

CONSTRUCTION:

13 ³/₈" @ 293' W/250 SX 9 ⁵/₈" @ 2824' W/1500 SX 4" @ 6138' – 7523' W/85 SX

DATE DRILLED:

06/26/46

LOCATION:

660' FSL, 660' FEL

UNIT P, SEC. 35 – T21S-R37E

T.D.:

7524'

P.B.T.D.:

7509

RECORD OF COMPLETION: PERF (BLINEBRY) @ 5683' - 5900' THRU ANNULUS

PERF (GRANITE WASH) @ 7426' – 7490' 2 ⁷/₈" TBG @ 7250' W/PACKER @ 6010'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

WELL WITHIN ONE-HALF MILE RADIUS OF SWD WELL NO. C-2

OPERATOR:

OXY USA W & P, L.P.

LEASE:

OWEN

WELL NO.:

2

WELL TYPE:

OIL

CONSTRUCTION:

13³/₈" @ 331' W/275 SX

8 ⁵/₈" @ 2812' W/1400 SX 5 ½" @6407' W/350 SX 4" @ 6237' – 7444' W/85 SX

DATE DRILLED:

03/10/72

LOCATION:

660' FSL, 1980' FEL

UNIT O, SEC. 35 – T21S-R37E

T.D.:

7444'

P.B.T.D.:

7396

RECORD OF COMPLETION: PERF (ABO) @ 6632' - 7248'

PERF (BLINEBRY) @ 5504' - 5596' THRU ANNULUS

2 ³/₈" TBG @ 6355' W/PACKER @ 6117'

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

VII Operation

1. Injection Rates

Open Hole

Current Average Rate:

8500-9000 BWPD

Maximum Rate:

9600 BWPD

Thru Perforations (4230'-4320')

Current Average Rate:

0 BWPD

Maximum Rate:

2160 BWPD (as shown by historical tests)

2.System

Type:

Open

3. Injection Pressures:

Open Hole:

Current Average Injection Pressure:

Vacuum

Maximum Injection Pressure:

0 PSI

Thru Perforations (4230'-4320')

Current Average Pressures:

(Isolated with packer)

Maximum Injection Pressure

0 PSI

GENERALIZED SECTION

PRODUCING FORMATIONS LEA COUNTY, NEW MEXICO

| PENNSYLVANIAN MISSISSIPPIAN MIDDLE M | | T | T | 1 | T. |
|--|---------------|----------|-------------|-----|---|
| AND A SALADO TANSILL JARGE BILLS, CORPER, EXVES, BUCKET, CIT, BULDAY, SAND, 1843, SELECT, CORPER, EXVES, BUCKET, CIT, BULDAY, SAND, 1843, SELECT, CORPER, LEVES, BUCKET, CIT, BULDAY, SAND, 1843, SELECT, CORPER, LEVES, BUCKET, CIT, BULDAY, SEVEN TYVIVUTUTY AND | SYSTEM | SERIES | FORMATION | V - | 4 |
| TATES SEVEN STATES STATES, NOTE AND STATES, SERVINGENCE STATES, NOTE STATES, ST | | OCHOA | SALADO | | 2000 1 NORTHODOCTIVE BEDS ARE NOT INCLUDED |
| SEVEN NIVERS SEVEN NIVERS ANAL, EARLY, EMBER, SOUTH RANCE CONTROL COURT AND CASH (CORP.), TOTAL CASH (CORP.), TOTAL COURT AND CASH (CORP.), TOTAL CASH (CORP.), TO | | | TANSILL | H | · |
| PENNSYLVANIAN MISSISSIPPIAN MIDDLE M | | | YATES | | ARROW, BAISH, CERBIN, EAVES, EURENI, CEM, HALFHAY, JALMAT, LUSK, LYNCH, NORTH LYNCH, ENEDES, SAM SIMON, TEAS, WILSON, NORTH WILSON. |
| ANOMED, RNICE-MANDET, RADY, REBS, MILLIAM, DAT MILLAND, SOTH BALLAND, MATERS. GRAYBURG SAN ANDRES SAN ANDRES GLORIETA SAN ANDRES GLORIETA GLORIETA GLORIETA SECTIVIOR DANK, BARICE-MONDENT, GARRETT, MORBAS, MARKER, | | UPE | | | ARAON, BOWERS, COOPER JAL, EAVES, EDWONT, SOUTH EINICE EAST HOBBS, JALMAT, LAYOLTE MATTIX, ESCHARD, TONTO, WATKINS, WEST WILSON. |
| GRAYBURG GRAYBURG SAN ANDRES GLATT FOR DAM, RANCE-MONDOUT, CREST JAMASSA, MATRINS. SAN ANDRES GLATT FOR DAM, RANCE-MONDOUT, CREST LOUISTICK, MILIAMA, PAGE SAFER, MILIAMA, SAFE MILIAMA, MORTH MILIAMA, SAFER, MILIAMA, MORTH MILIAMA, SAFER, MILIAMA, SAFER, MILIAMA, MORTH MILIAMA, SAFER, MILIAMA, SAFER, MILIAMA, MORTH MILIAMA, SAFER, MILIAMA, MORTH MILIAMA, SAFER, SAFER, MILIAMA, MORTH MILIAMA, SAFER, SAFER, MILIAMA, MORTH MILIAMA, SAFER, MILIAMA, MILIAMA, MORTH MILIAMA, M | | GUADALI | QUEEN | | ARROW, CAPROOK, NORTH CAPROOK, COOPER JAL, CORBIN, DOLLARHIDE, EUNCHT, LANGLIE MATTEX, SMITH LECHARD, PEARSALL, PERROSE SKELLY, YOUNG. |
| SAN ANDRES GLORIETA JUSTIS, 10/INSTON, MCANARIT, MALJAMA, PADDOCK. BLINEBRY, EAST MORES, ADMINENT, TERRY. TUBB TUBB DOLLARHIDE, PAINCARD, FORLER, MORES, MOLINE, SUMCES, MUDINE, SUMCES, MADINE, TERRY. ANDERSON PANCH, METR. ANDERSON PANCH, METR. GLORICA, KING, LOVINGTON, TOMBERD, TELK, MATZ. GLORICA, KING, LOVINGTON, TOMBERD, TELK, MATZ. GLORICA, KING, LOVINGTON, TOMBERD, TELK, MATZ. ALLISON, BAGLEY, BOXON, CASS, GROSSIOGS, EDISON, MIGHTONER, LARY J, EAST LOVINGTON, RESCALERO, MORE, SAMDERS, STORE BAR. MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN FUSSELMAN FUSSELMAN CORLONIAN GROOVICIAN MIDDLE SIMPSON MIDDLE SIMPSON MIDDLE SIMPSON MIDDLE SIMPSON MARE, SOUTH MARE, TEACUE, MARREN, KRATH MARREN. BRANSON, DOLLARHIDE, FORLER, TEACUE. BRANSON, DOLLARHIDE, FORLER, TEACUE. BRANSON, DOLLARHIDE, FORLER, REATH MARREN. | R M I A | | GRAYBURG | | EAST: MALJAMAR, NORTH MALJAMAR, SOUTH WALJAMAR, |
| PENNSYLVANIAN MISSISSIPPIAN MISSIS | <u>α</u> | | | | SIGHTY FOR DRAW, EUNICE-MONUNENT, GLEMETT, HOBBS, EAST HOBBS, HOUSE, LITTMAN, LOVINGTON, WEST LOVINGTON, MALJAMAR, EAST MALJAMAR, NORTH MALJAMAR, SAWYER, VACUUM, |
| PENNSYLVANIAN MISSISSIPPIAN MIDDLE MIDDLE MIDDLE SIMPSON MARE, SOUTH MARE, TEACUE, WARREN, KORTH MAFAEN. MIDDLE MIDDLE MIDDLE MARE, SOUTH MARE, TEACUE, WARREN, KORTH MAFAEN. MIDDLE MARE, SOUTH MARE, TEACUE, WARREN, KORTH MAFAEN. MIDDLE MIDDLE MARE, SOUTH MARE, TEACUE, WARREN, KORTH MAFAEN. MIDDLE MARE, SOUTH MARE, TEACUE, WARREN, KORTH MAFAEN. | | | GLORIETA | | JUSTIS, LO/INGTON, MORIUMENT, MALJAMAR, PADDOCK. |
| WOLFCAMP ABO-HUECO WOLFCAMP ABO-HUECO ANDERSON PANCH, EAST CAPROX, DENTON, D.K., WANTZ. ALLISON, BAGLEY, BOUCH, CASS, GROSSADOS, EDISON, MICHIOHOMER, LAZY J., EAST LOVINGTON, TOMBEND, TEKK, WANTZ. ALLISON, BAGLEY, BOUCH, CASS, GROSSADOS, EDISON, MICHIOMER, LAZY J., EAST LOVINGTON, MESCLERO, WARRE, SAIRWERS, SOUTH SALWERS, SHOE BAR. MISSISSIPPIAN MISS. LS. DENTON WOODFORD SH. ANDERSON RANKH, BAGLEY, BRONCO, EAST CAPROX, CROSSADOS, DENTON, DOLLARHIDE, ECKOL, NORTH ECHOL, GLADIOLA, HICHTOMER, ROWLES, MALJAMAR, MISCALERO, MOCRES, MALJAMAR, MISCALERO, MOCRES, MOCRES, MALJAMAR, MICHIOMER, ROWLES, MALJAMAR, MICHIOMER, ROWLES, MALJAMAR, MICHIOMER, ROWLES, MALJAMAR, MICHIOMER, ROWLES, MALJAMAR, MICHIOMER, FOWLER, MC CORNICK. UPPER MONTOYA ORDOVICIAN MIDDLE SIMPSON MARE, SOUTH HARE, TEAGUE, WARREN, KORTH MAREH. BRANSON, DOLLARHIDE, FOWLER, TEAGUE. BRANSON, DOLLARHIDE, FOWLER, TEAGUE. | | 0 | | | BLIMEBRY, EAST HORRS, AXNUMENT, TERRY. |
| WOLFCAMP ABO-HUECO ANDESCOI PANCH, EAST CAPROX, DENTON, D.K., GLADIOLA, KING, LOMINATON, TOMBERD, TEK, MANTZ. ALLISON, BACLEY, BOUCH, CASS, CROSSACAS, EDISON, MICHOLOGIA, LATY J. EAST LOVINGTON, MESCLERO, MCRE, SALABBERS, SOUTH SALABBERS, SHOTE BAA. MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN FUSSELMAN FUSSELMAN ORDOVICIAN UPPER MONTOYA MONTOYA MAE, SOUTH MARE, TEAGUE, MARREN, KATH MARREN. BRIANSON, DOLLARHIDE, FONLER, MARREN, KATH MARREN. WARE, SOUTH MARE, TEAGUE, MARREN, KATH MARREN. BRIANSON, DOLLARHIDE, FONLER, MARREN, KATH MARREN. BRIANSON, DOLLARHIDE, FONLER, TEAGUE, MARREN, KATH MARREN. | | LEONAF | YESO E | | DOLLARHIDE, DAINKARD, FOWLER, HOSSS, HOUSE, NADINE. |
| WOLFCAMP ABO-HUECO ALLISON, BAGLEY, BOWN, CASS, GOSSROWS, EDISON, HIGHIOMER, LAZY J, EST LOVINGTON, RECALERO, MICHOMER, SOUTH SALAGUERS, SHOE BAR. MISSISSIPPIAN MIDDLE SIMPSON MIDDLE SIMPSON MARE, SOUTH MARE, TEAGUE, WARREN, NORTH MARREN. BRANSON, DOLLARHIDE, FONLER, MARREN, NORTH MARREN. BRANSON, DOLLARHIDE, FONLER, TEAGUE. | | | · 01 | | SAMOS, HAMEN, HELA. |
| MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MIDDLE SIMPSON MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MIDDLE SIMPSON MISSISSIPPIAN MISSISSIPPIAN MISSISSIPPIAN MIDDLE SIMPSON MIDDLE SIMPSON MARE, SOUTH SAUNDERS, SHOTE BAR. MIDDLE SIMPSON MARE, SOUTH MARE, TEAGUE, WARREN, NORTH MARREN. MIDDLE SIMPSON MARE, SOUTH MARE, TEAGUE, WARREN, NORTH MARREN. MIDDLE SIMPSON MARE, SOUTH MARREN, TEAGUE, WARREN, NORTH MARREN. MIDDLE SIMPSON MARE, SOUTH MARREN, TEAGUE, WARREN, NORTH MARREN. | | WOLFCAMP | ABO-HUECO | | ANDEASON PANCH, EAST CAPROCK DENICH, D-K, GLADIOLA, KING, LOVINGTON, TOWNSEND, TELK, WANTZ. |
| MISSISSIPPIAN WOODFORD SH DEVONIAN SILURIAN FUSSELMAN ORDOVICIAN MIDDLE SIMPSON MIDDLE SIMPSON BRIDGO, BAST CAPROX, EAST CAPROX, CROSSRADS, DENTON, DOLLARHIDE, ECHOL, NORTH ECHOL, GLADIOLA, HIGHTONER, KNOWLES, SOUTH PROWLES, MALJAMAR, MESCALERO, MOCRE, SHOE BAR, TEACUE. CROSSRADS, DENTON, DOLLARHIDE, ECHOL, NORTH ECHOL, GLADIOLA, HIGHTONER, KNOWLES, SOUTH PROWLES, MALJAMAR, MESCALERO, MOCRE, SHOE BAR, TEACUE. ORDOVICIAN MIDDLE SIMPSON HARE, SOUTH HARE, TEACUE, MARREN, KCRTH MAFREN. LOWER ELLENBURGER BRIDGON, DOLLARHIDE, FONLER, TEACUE. | PENNSYLVANIAN | | | | ALLISON, BAGLEY, BOUGH, CASS, CROSSACADS, EDISON, MIGHTONER, LAZY J, EAST LOVINGTON, MESCALERO, MCCRE, SAUNDERS, SOUTH SAUNDERS, SHOE BAR. |
| DEVONIAN The scale of the sc | MISSISSIDDIAM | | | | DENTO |
| ORDOVICIAN UPPER MONTOYA I CORY MIDDLE SIMPSON HARE, SOUTH HARE, TEAGUE, WARREN, KCRTH WARREN. LOWER ELLENBURGER BRUNSON, DOLLARHIDE, FONLER, TEAGUE. | | | WOODFORD SH | | AMBERSON RANCH, BAGLEY, BRONCO, EAST CAPROCK, CROSSROADS, DENTON, DOLLARMIDE, ECHOL, NORTH ECHOL, GLADIOLA, HIGHTORER, KNOWLES, SCUTH KNOWLES, MALJAMAR, MESCALERO, MOCRE, SHOE BAR, TEAGUE. |
| ORDOVICIAN WIDDLE SIMPSON LOWER ELLENBURGER BALANSON, DOLLARYIDE, FOWLER, TEAGUE. | SILURIAN | | FUSSELMAN | | DOLLARHIDE, FOWLER, MC CORNICK. |
| ORDOVICIAN MIDDLE SIMPSON HARE, SOUTH MARE, TEAGUE, WARREN, NORTH MARREN. LOWER ELLENBURGER BRUNSON, DOLLARHIDE, FONLER, TEAGUE. | OLD MAIL | UPPER | | -1 | CORY |
| LOWER ELLENBURGER BRUNSON, DOLLARMIDE, FOWLER, TEAGUE. | ORDOVICIAN | | E | | MARE, SOUTH MARE, TEACUE, WARREN, NORTH WARREN. |
| - Vinnamini | · | LOWER | FLLENBURGER | | BRUNSON, DOLLARHIDE, FOWLER, TEAGUE. |
| PRE-CAMBRIAN ANNIHIMIN | PRE-CAMBRIAN | | | | |

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

Affirmative Statement

| I, Scott Curtis, Operations Manager of Rice Operating Co., have examined the available |
|--|
| geologic and engineering data and find no evidence of open faults or any hydrologic |
| connection between the disposal zone and any underground source of drinking water. |
| |
| Signed: Was Control of the Signed: |
| Date: $1-1703$ |
| |
| |
| |
| |
| On this 17 th day of January, 2003, Scott Curtis personally appeared and executed the above instrument before me. |
| |
| Notary Public Ol bull |
| Commission Expires: Feb 16 2006 |
| 11111077 |
| NOTARI |
| Manus [1] |

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I, KATHI BEARDEN

| Publisher |
|--|
| of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period. |
| of |
| weeks. |
| Beginning with the issue dated |
| January 21 2003 and ending with the issue dated |
| January 21 2003 |
| Lathi Bearden |
| Publisher Sworn and subscribed to before |
| me this 21st day of |
| January 2003 |
| godi Denson |
| Notary Public. |
| Space Ston Expires |
| NOTARY |

wspaper is duly qualified

to publish legal notices or advertisements within the meaning of

Section 3, Chapter 167, Laws of

1937, and payment of fees for said publication has been made.

LEGAL NOTICE January 21, 2003

NOTICE OF PUBLICATION APPLICATION RICE OPERATING CO, TO DISPOSE OF PRODUCED SALT WATER INTO AN ADDITIONAL ZONE OF A SALT WATER DISPOSAL WELL LOCATED IN LEA COUNTY, NEW MEXICO

Rice Operating Co, 122 W. Taylor, Hobbs, New Mexico, (505) 393-9174, contact: Mr. Scott Curtis; seeks approval to dispose of produced salt water into perforations 2 4320' - 4320' of its Blinebry-Drinkard Salt Water Disposal System Well No. C-2 located 2305' FWL, 660' FNL of Section 2, Township 22 South, Range 37 East. Currently, SWD Well No. C-2 is disposing of produced salt water into an open hole section @ 4400' -4950'. Application is being made to open perforations @ 4230' - 4320' to increase the maximum injection rate 2160 BPD by gravity. Both intervals are located within the San Andres Formation. Interested Parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico, 87505, within 15 days. #19526

01104367000

67511348

Rice Operating Company 122 West Taylor Hobbs, NM 88240

122 West Taylor • Hobbs, New Mexico 88240 Phone: (505)393-9174 • Fax: (505) 397-1471

Statement of Compatibility:

Water analysis of the blended injection water and a sample of San Andres formation water from a producing well approximately one and a half miles from the C-2 disposal well appears to be compatible. Considering the fact that the C-2 well has been injecting this same blended water into the San Andres formation for roughly 30 years, (without any formation problems) there is no doubt that the two waters are in fact compatible.

Scott Curtis

Operation Manager





PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: SCOTT CURTIS 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 03/05/03 Reporting Date: 03/07/03 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: BD SWD WELL C-2

Sampling Date: 03/05/03 Sample Type: WATER

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

| | | Na | Ca | Mg | K | Conductivity | T-Alkalinity |
|-----------------|--|----------|----------|-----------|----------|------------------|--------------------------|
| LAB NUMBER | SAMPLE ID | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (<i>u</i> m/cm) | (mgCaCO ₃ /L) |
| ANALYSIS DA | TE: | 03/05/03 | 03/06/03 | 03/06/03 | 03/06/03 | 03/06/03 | 03/06/03 |
| H7517-1 | ZIA ENERGY COLE #8 | 6046 | 89 | 64 | 254 | 25248 | 2250 |
| H7517-2 | BD SWD C-2 BLENDED INJ. | 13848 | 1512 | 636 | 360 | 69537 | 1800 |
| H7517-3 | FRESH WATER 1 MILE E. OF C-2 | 216 | 83 | 57 | 21.9 | 2367 | 75 |
| Quality Control | *************************************** | NR | 43 | 55 | 4.67 | 1322 | NR |
| True Value QC | The state of the s | NR | 50 | 50 | 5.00 | 1413 | NR |
| % Recovery | | NR | 86.0 | 110 | 93.4 | 93.6 | NR |
| Relative Percer | nt Difference | NR | 0 | 0 | 1.0 | 0.7 | NR |
| METHODS: | | SM3 | 500-Ca-D | 3500-Mg E | 8049 | 120.1 | 310.1 |

| | | CI [_] | SO ₄ | CO ₃ | HCO ₃ | pН | TDS |
|--------------|------------------------------|-----------------|-----------------|-----------------|------------------|----------|----------|
| | | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (s.u.) | (mg/L) |
| ANALYSIS D | DATE: | 03/06/03 | 03/06/03 | 03/06/03 | 03/06/03 | 03/06/03 | 03/07/03 |
| H7517-1 | ZIA ENERGY COLE #8 | 8297 | 17.1 | 0 | 2745 | 7.81 | 15580 |
| H7517-2 | BD SWD C-2 BLENDED INJ. | 24392 | 774 | 0 | 2196 | 7.63 | 46150 |
| H7517-3 | FRESH WATER 1 MILE E. OF C-2 | 520 | 132 | 42 | 0 | 9.08 | 1284 |
| Quality Cont | rol | 1080 | 50.20 | NR | 1098 | 7.03 | NR |
| True Value C | JC . | 1000 | 50.00 | NR | 1000 | 7.00 | NR |
| % Recovery | | 108 | 100 | NR | 110 | 101 | NR |
| Relative Per | cent Difference | 8.0 | 0.7 | NR | 3.0 | 0.3 | 0.4 |
| METHODS: | 1 | SM4500-CI-B | 375.4 | 310.1 | 310.1 | 150.1 | 160.1 |

Amy Hill Criemist

3-7-03

Date

MAR 1 0 2000

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completely of the applicable service. If po event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incident, the subsidiaries, affiliates or discessors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fay (915) 673-7020 (506) 393-2326 Fay (505) 393-2476

| | (915) 673-7001 Fax (| 915) 673-7020 | (5 | 505) | 393. | -232 | 6 F | ax (| 50 | 5) 3: | 93-2 | 247 | 6 | | | | | | | | | Page_ | of | | | |
|---|--|--|----------------------|-----------------------|-------------------|-------------------------|---------------------|---------------------|------------------|--------------------|------------------------|------------------|--------------------------------------|---------------------------------------|----------|----------|----------|----------|--------------|--|----------|------------|-----------|------------|------------------------------|-----|
| Company Name: | | | | | | | | | | 8 | 1L | L TO | | ANALYSIS REQUEST | | | | | | | | | | | | |
| Project Manager | Scott Co | 20 Xis | | | | | | F | P.O. #: | | | | | | | | | | | | | | | | | |
| Address: | 122 U ta | 44101 | | | | | | | Company: | | | | | | 5 | | ١ | 1 | ij | Ì | | | | ļ | İ | 1 |
| City: / | | | | | | | _ | Attn: | | | | | | | | l | | | | | | | ł | | - 1 | |
| Phone #: | ne#: Fax#: 397 - 147 | | | | | 74 | Address: | | | | | | | | | | | | | | İ | - 1 | | İ | | |
| Project #: | | Project Owner: | | | | | | } | City | : | | | | |]- | | | . 1 | | | | | | 1 | 1 | . 1 |
| Project Name: | | | | | | | | _ 5 | Stat | e : | | Z | ip: | | Jä | | | | | | | | | . [| l | |
| Project Location | : BP SW | D wel | Ż | C | -2 | , | | F | Pho | ne # | t: | | | | 15 | - | | | | · | | | | | | |
| Sampler Name: | | | | | | | | F | Fax | #: | | | | |] 🎽 | | | | | | | | | İ | ١ | |
| FOR LAB USE ONLY | | | | T | | MAT | RIX | | 7 | RE | SER\ | 4 | SAMPLI | NG | | | | | | | | | | | | |
| Lab I.D. | Sample I.I | D . | (G)RAB OR (C)OMP. | # CONTAINERS | WASTEWATER | SOIL | CRUDE OIL | SLUDGE | OTHER: | ACID/BASE: | CE/COOL OTHER: | | DATE | TIME | CATI | | | | | | | | | | | |
| H7517-1 | Zia Energy | cole | | | | | | | | / | | | 3-5-03 | 1-30 | i | | | | | | | | | | | |
| | Zia Evergy #8 "SAN | Andres" | | | \perp | | | | | | | \perp | | | | | | | | <u> </u> | <u> </u> | | | | ļ | |
| | | | | | \perp | \perp | | _ | _ | 1 | | 1 | | | <u> </u> | | | | | | | | · . | | ļI | |
| H1517-3 | BDSWD C Blended IN | 2 | | | | | | | 4 | \downarrow | | 1 | | | 1 | <u> </u> | <u> </u> | <u> </u> | _ | | <u> </u> | | | | | |
| | Blended IN | Section | | 4 | + | +- | | | 4 | | + | ╀ | | | ╂ | | - | ļ | - | <u> </u> | | | ļ | | | |
| H7517-3 | Fresh water | 1 mile | \dashv | + | | | 1 | \dashv | \dashv | + | + | \dagger | | | 1/ | - | | | | | | - | | | | |
| | East of C | -2 | | | | T | | \neg | 1 | | | 1 | | | | <u> </u> | | | T | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | \Box | | | L | | | 1 | | | | | | | | | | | |
| analyses. All claims including service. In 50 event shall Ca | d Damages. Cardina's liability and client's those for negligence and any other caus rdinal be liable for incidental or consequer ig out of or related to the performance of | e whetscover shall be deer ital damages, including with | ned wai rout limi | wed unle tation, b | ss medi miness | e in writi Interrupi | ing and tions, k | trecely cos of a | red by use, o | Cardir r loss (| al within of profit | n 30 d s incu | inys after comp med by client, it | letion of the app is subsidiaries; | Scable | | | | 30 | lays past d | | ate of 24% | per annua | from the o | ounts more riginal date : | |
| Sampler Reling | | Date: | | ceive | | | | | | | U1 440 | | | Phone R | | □ Ye | | No | | Phone | #: | | | | | |
|) Att | | Time: | | | | | | | | | | | | Fax Resi | | □Y€ | PS L | No | Addi | Fax #: | | | | | | |
| | : (Circle One) | Date: 3503 Timb: 30 | Re | celve | Sai | mple | Con | ditio | on o | | | CKE | D BY: | | | | | | | | | | ٠ | | | |
| Sampler - UPS | - Bus - Other: | | | | [| Yes No | | Yes No | | | | | | | | | | | | | | | | | | |

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

ATTN: BEG1E DAX # 397-1471



Date: 02/14/2003

Fax Transmission To: JIM KEMP Fax Number: 505-396-2859

Dear JIM KEMP:

The following is in response to your 02/14/2003 request for delivery information on your Certified item number 70020510000093845754. The delivery record shows that this item was delivered on 02/06/2003 at 01:08 PM in LOVINGTON, NM 88260. The scanned image of the recipient information is provided below.

| Signature of Recipient: | Delivery Section | |
|-------------------------|------------------|---|
| | D. CLAY | |
| | D CLAY J | - |
| Address of Desirions. | | - |
| Address of Recipient: | POBOX 1475 | |

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,

United States Postal Service

| Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Oxy Permian Mr. David Stewart PO Box 50520 Midland, TX 79701 | SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: J.H. Hendrix Corp. Mr. Ron Westbrook PO Box 3040 | A. Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No |
|--|---|--|
| B. Received by (Printe B. Received by Printe B. Received by Printe B. Received by Control of the B. Received by Received by Received B. Registered Mail | (mander work derived have) | ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ |
| Type | SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: | A. Signature X B. Received by (**Inted/Name*) C. Date D. Is delivery address different from item 1? If YES, enter delive address below: |
| Complete items 1, 2, and 3. Also comitem 4 if Restricted Delivery is desired Print your name and address on the reso that we can return the card to you. Attach this card to the back of the ma or on the front if space permits. 1. Article Addressed to: Marathon Inc Mr. Randy Bose PO Box 552 Midland, TX 79702 | | 3. Service type Gentlied Mail |
| nplete J. everse ailpiece, | SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, | A. Signature X Author Addresses B. Received by (Printed Name) C. Date of Delivery |
| A. Signature A. Signature A. Signature A. Signature A. Signature A. Signature A. Signature Agent Addressee C. Date of Delivery Addressee Addressee AN 27 2007 D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No 3. Service Type G. Certified Mail Agent Addressee | or on the front if space permits. 1. Article Addressed to: New Mexico Oil Conservation Division Mr. David Catanach 1220 South St. Francis Dr Santa Fe, NM 87505 | D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No 3. Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D. 4. Restricted Delivery? (Extra Fee) Yes |
| Agent Addressee Date of Delivery 7 7977 No | (Transfer from service label) 7002 0510 | 0000 9384 5723 Return Receipt 102595-01-M-250 |