

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

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

May 14, 1997

Rand Paulson Oil Company, Inc. c/o J. W. Mulloy Associates, Inc. Engineering & Consulting 508 W. Wall - Suite 100 Midland, Texas 79701 Attention: Hudson Routh

Administrative Order DD-170

Dear Mr. Routh:

Reference is made to your application on behalf of the operator Rand Paulson Oil Company, Inc. dated May 13, 1997 for approval to recomplete its Nicholas "31" (Federal) Well No. 1 (API No. 30-025-33822), located on the surface 2090 feet from the North line and 660 feet from the East line (Unit H) of Section 31, Township 14 South, Range 35 East, NMPM, to test the Strawn formation, Lea County, New Mexico.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111.D and E of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2) The subject well was spudded March 21, 1997 and just recently reached total depth, the lower Pennsylvanian interval tested non-commercial and the operator now seeks to plug back and directionally drill to the southwest and test the Strawn formation in the NW/4 SE/4 (Unit J) of said Section 31;
- (3) The Strawn formation within this area is subject to the statewide rules and regulations for oil wells, as promulgated by Rules 104.B(1)(b), which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to any boundary of such tract;
- (4) The 40-acre tract comprising the NW/4 SE/4 of said Section 31 is to be dedicated

to said well to form a standard oil spacing and proration unit for said pool;

- (5) The operator proposes to plug the vertical hole to a depth of 6,600 feet, kick-off at a depth of approximately 6,700 feet, drill in a southwesterly direction, build to an angle of approximately 21 degrees and continue drilling in such a manner as to bottom back into the Strawn formation, with total horizontal displacement of said wellbore to be approximately 1700 feet;
- (6) The applicable drilling window or "producing area" for said wellbore should include that area within the NW/4 SE/4 of said Section 31 that is no closer than 330 feet to the outer boundary of said dedicated 40-acre tract; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

- (1) Rand Paulson Oil Company, Inc. is hereby authorized to recomplete its existing Nicholas "31" (Federal) Well No. 1 (API No. 30-025-33822), located on the surface 2090 feet from the North line and 660 feet from the East line (Unit H) of Section 31, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico, by plugging the vertical well back to an approximate depth of 6,600 feet, kick-off at a depth of approximately 6,700 feet, drill in a southwesterly direction, build to an angle of approximately 21 degrees and continue drilling in such a manner as to bottom back into the Strawn formation, with total horizontal displacement of said wellbore to be approximately 1700 feet.
- (2) The 40-acre tract comprising the NW/4 SE/4 of said Section 31 shall be dedicated to said well to form a standard oil spacing and proration unit for said formation.
- (3) The applicable drilling window or "producing area" for said wellbore shall consist of that area within the NW/4 SE/4 of said Section 31 that is no closer than 330 feet to the outer boundary of said dedicated 40-acre tract.

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

PROVIDED FURTHER THAT during or upon completion of said directional drilling

operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

- (4) The applicant shall notify the supervisor of the Hobbs District office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.
- (5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F.
- (6) Form C-105 shall be filed in accordance with **Division Rule 1105** and the operator shall indicate thereon true vertical depth in addition to measured depths.
- (7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY

Director

SEAL

cc: Oil Conservation Division - Hobbs

U. S. Bureau of Land Management - Carlsbad

U. S. Bureau of Land Management - Roswell



Rec: 5-13-97 Susp: NA Released: 5-14-97

May 14, 1997

Rand Paulson Oil Company, Inc. c/o J. W. Mulloy Associates, Inc. Engineering & Consulting 508 W. Wall - Suite 100 Midland, Texas 79701

Attention: Hudson Routh

176
Administrative Order DD-***

Dear Mr. Routh:

its

Reference is made to your application on behalf of the operator Rand Paulson Oil Company, Inc. dated May 13, 1997 for approval to recomplete the Nicholas "31" (Federal) Well No. 1 (API No. 30-025-33822), located on the surface 2090 feet from the North line and 660 feet from the East line (Unit H) of Section 31, Township 14 South, Range 35 East, NMPM, to test the Strawn formation, Lea County, New Mexico.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111.D and E of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2) The subject well was spudded March 21, 1997 and just recently reached total depth, the lower Pennsylvanian interval tested non-commercial and the operator now seeks to plug back and directionally drill to the southwest and test the Strawn formation in the NW/4 SE/4 (Unit J) of said Section 31;
- (3) The Strawn formation within this area is subject to the statewide rules and regulations for oil wells, as promulgated by Rules 104.B(1)(b), which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to any boundary of such tract;
- (4) The 40-acre tract comprising the NW/4 SE/4 of said Section 31 is to be dedicated

to said well to form a standard oil spacing and proration unit for said pool;

- The operator proposes to plug the vertical hole to a depth of 6,600 feet, kick-off at a depth of approximately 6,700 feet, drill in a southwesterly direction, build to an angle of approximately 21 degrees and continue drilling in such a manner as to bottom back into the Strawn formation, with total horizontal displacement of said wellbore to be approximately 1700 feet;
- (6) The applicable drilling window or "producing area" for said wellbore should include that area within the NW/4 SE/4 of said Section 31 that is no closer than 330 feet to the outer boundary of said dedicated 40-acre tract; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

- (1) Rand Paulson Oil Company, Inc. is hereby authorized to recomplete its existing Nicholas "31" (Federal) Well No. 1 (API No. 30-025-33822), located on the surface 2090 feet from the North line and 660 feet from the East line (Unit H) of Section 31, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico, by plugging the vertical well back to an approximate depth of 6,600 feet, kick-off at a depth of approximately 6,700 feet, drill in a southwesterly direction, build to an angle of approximately 21 degrees and continue drilling in such a manner as to bottom back into the Strawn formation, with total horizontal displacement of said wellbore to be approximately 1700 feet.
- (2) The 40-acre tract comprising the NW/4 SE/4 of said Section 31 shall be dedicated to said well to form a standard oil spacing and proration unit for said formation.
- (3) The applicable drilling window or "producing area" for said wellbore shall consist of that area within the NW/4 SE/4 of said Section 31 that is no closer than 330 feet to the outer boundary of said dedicated 40-acre tract.

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

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

- (4) The applicant shall notify the supervisor of the Hobbs District office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.
- (5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F.
- (6) Form C-105 shall be filed in accordance with **Division Rule 1105** and the operator shall indicate thereon true vertical depth in addition to measured depths.
- (7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY Director

SEAL

cc: Oil Conservation Division - Hobbs

U. S. Bureau of Land Management - Carlsbad

U. S. Bureau of Land Management - Roswell

J.W. MULLOY ASSOCIATES, INC.

Engineering & Consulting 508 W. Wall *Suite 100 Midland, Texas 79701 Phone: (915) 687-0323 Fax: (915) 686-7224

JOHNNY MULLOY

President

HUDSON ROUTH
Vice President

FAX COVER PAGE

NUMBER OF PAGES IN TRANSMISSION 3 (INCLUDING COVER PAGE)

MICHAEL STOGNER

(NAME)

FROM: (NAME)

IF THERE ARE ANY PROBLEMS WITH DOCUMENTS RECEIVED, PLEASE CONTACT OUR OFFICE IN MIDLAND BY CALLING 915/687-0323.

THANK YOU

1:4200 Sleve refer the subject philipping flever white the subject philips indicate formation, and the wellbork industry segment. Thanks the wellbork industry segment. Thanks the wellbork industry segment.

°05/13/1997 13:43

972-717-9798

RAND PAULSON DIL CO

PAGE 02

5ND XPLORATORY

May 13, 1997

Mr. Mike Stogner State of New Mexico Oil Conservation Division Santa Fe, New Mexico

RE:

Nicholas 31 Well No. 1

NW/4 SE/4 Section 31-T14S-R35E

Lea County, New Mexico

Dear Mr. Stogner:

Rand Paulson Oil Company, Inc. hereby requests a permit to drill the referenced well from a surface location of 2090 feet from the North Line and 660 feet from the East Line to a bottom hole location of 1980 feet from the South Line and 1650 feet from the East Line. The total vertical depth on this well will be 11,900 feet.

There are no offset operators other than Rand Paulson Oil Company, Inc.

Enclosed is our Form C-102.

Very truly yours,

David Brooks Land Manager 05/13/1997 11:36 972-717-9798 41111

RAND PAULSON DIL CO FAX 505-623-5702

PAGE 03 PAGE Ø1

DISTRICT 1

State of New Mexico

Perm C-102 resty 10, 1994 serveriale Statutes Office

DISTRICT II

UISTRICT III

OIL CONSERVATION DIVISION P.O. Rox 2088

DISTRICT IV

Santa Fc. New Mexico 57504-2088

T AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pact Code	Pool He	45 0
1	j	Undesignated	
Property Code	From	rty Name	Well Mudiber
	NICHOLAS 3	31	. 1
OOND No		iter Neme	Elevelian
	RAND PAULSON O	II. COMPANY, INC.	4042

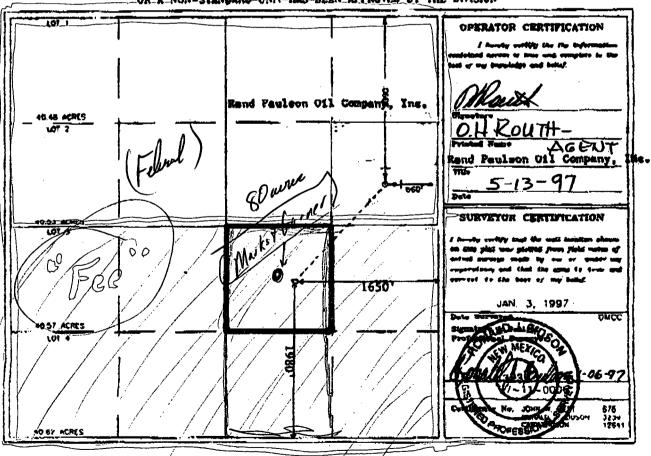
Surface Location

1	UL or let No.	Section	Termelip	gaogra	tat Mo	Feet from the	North/South line	Fort from the	Zov/Vest time	Creat	
i	H	31	14 S	35 €		2090	NORTH	660	EAST	LEA	l

Bottom Hole Location if Different From Surface

UL -r lot #-	Section	Tempebiy	Reserv	Lat Idin	Just from the	North/South Item	Foot fine the	Ent/West tipe	Coverty
J	31	145	35E		1980	SOUTH	1650	EAST	LEA
Sedimine arre	Jelet e	· latits Co	spolicitus i	Code Con	der Mo.				
}									

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



Ben (Strawn) oil Vildeat =

above the projected depth of the well and in all areas where pressures which will be encountered are unknown, and on all workover rigs working on wells in which high pressures are known to exist. [10-22-74...2-1-96]

- 109.B. Blowout preventers shall be installed and maintained in good working order on all drilling rigs and workover rigs operating within the corporate limits of any city, town, or village, or within 1320 feet of habitation, school, or church, wherever located. [10-22-74...2-1-96]
- 109.C. All operators, when filing Form C-101, Application for Permit to Drill, Deepen, or Plug Back, or Form C-103, Sundry Notices, for any operation requiring blowout prevention equipment in accordance with Sections A. and B. above, shall submit a proposed blowout prevention program for the well. The program as submitted may be modified by the District Supervisor if, in his judgement, such modification is necessary. [10-22-74...2-1-96]

110 PULLING OUTSIDE STRINGS OF CASING

In pulling outside strings of casing from any oil or gas well, the space outside the casing left in the hole shall be kept and left full of mud-laden fluid or cement of adequate specific gravity to seal off all fresh and salt water strata and any strata bearing oil or gas not producing. [1-1-50...2-1-96]

111 DEVIATION TESTS/DEVIATED WELLS AND DIRECTIONAL WELLS

- 111.A. Definitions: the following definitions shall apply to this Rule:
- (1) <u>Deviated Well</u> means any wellbore which is intentionally deviated from vertical but <u>not</u> with an intentional azimuth. Any deviated well is subject to Rule 111-B and C. [7-26-95, 2-1-96]
- (2) <u>Directional Well</u> means a wellbore which is intentionally deviated from vertical <u>with</u> an intentional azimuth. Any directional well is subject to Rule 111-D. [7-26-95, 2-1-96]
- (3) <u>Vertical Well</u> means a well that does not have an intentional departure or course deviation from the vertical. [7-26-95, 2-1-96]
- (4) <u>Drilling Unit</u> means the surface acreage assigned to a vertical wellbore in accordance with NMOCD Rule 104. Included in this definition is a "unit of proration for oil or gas" as defined by the Division and all non-standard such units previously approved by the Division. [7-26-95, 2-1-96]
- (5) <u>Wellbore</u> means the interior surface of a cased or open hole through which drilling, production, or injection operations are conducted. [7-26-95; 2-1-96]
- (6) <u>Project Well</u> means any well drilled, completed, produced or injected into as either a deviated well or as a directional well. [7-26-95, 2-1-96]
- (7) <u>Project Area</u> means one or more drilling units which are to be dedicated to the project well. [7-26-95, 2-1-96]
- (8) <u>Producing</u> Area means all points that lie along a rectangular or square window formed by plotting the measured distance from the North, South, East and West boundaries of a project area inside of which a vertical wellbore can be drilled and produced in conformity with the setback requirements from the outer boundary of a standard spacing and proration unit for the applicable

- (9) <u>Penetration Point</u> means the point where the wellbore penetrates the top of the pool from which it is intended to produce. [7-26-95, 2-1-96]
- (10) <u>Azimuth</u> means the deviation in the horizontal plane of a wellbore expressed in terms of compass degrees. [7-26-95, 2-1-96]
- (11) <u>Kick-off Point</u> means the point at which the wellbore is intentionally deviated from vertical. [7-26-95, 2-1-96]
- (12) <u>Terminus</u> means the farthest point attained along the wellbore. [7-26-95, 2-1-96]
- (13) <u>Producing Interval</u> means that portion of the wellbore drilled inside the vertical limits of a pool, between its penetration point and its terminus and within the producing area. [7-26-95, 2-1-96]
- (14) <u>Lateral</u> means any portion of a wellbore past the point where the wellbore has been intentionally departed from the vertical. [7-26-95, 2-1-96]

111.B. Deviation Tests:

Any well which is drilled or deepened shall be tested at reasonably frequent intervals to determine the deviation from the vertical. Such tests shall be made at least once each 500 feet or at the first bit change succeeding 500 feet. A tabulation of all deviation tests run, sworn to and notarized, shall be filed with Form C-104, Request for Allowable and Authorization to Transport Oil and Natural Gas. When the deviation averages more than five degrees in any 500-foot interval, the operator shall include the calculations of the maximum possible horizontal displacement of the hole and the Division Director may require that a directional survey be run to establish the location of the producing interval(s). Upon request from the Division Director, any well which was deviated in an indeterminate direction or toward the vertical shall be directionally surveyed. [7-26-95, 2-1-96]

111.C. Deviated Wellbores:

- (1) The Supervisor of the appropriate Division District may approve the written request of an operator to drill a deviated wellbore or to deviate an existing wellbore to:
 - (a) straighten a crooked hole by deviating towards the vertical;
 - (b) side track junk in the hole by deviating in an indeterminate direction (no intentional azimuth);
 - (c) side track an existing wellbore by deviating in an indeterminate direction (no intentional azimuth) for the purpose of recompleting into an existing producing formation or plugging the originally completed formation and recompleting into a different formation.

[7-26-95, 2-1-96]

- (2) The Supervisor of the appropriate Division District may require any request for a deviated well to be submitted for administrative approval by the Division Director. [7-26-95, 2-1-96]
 - (3) Applications for administrative approval for a deviated

well shall:

- (a) be filed in duplicate and shall be accompanied by plats showing both the surface location of the subject well, its spacing unit and all adjoining spacing units;
- (b) state the reason(s) for deviating the subject well; and
- shall include a statement or plat showing the names and addresses of all operators of spacing units, or working interest owners of undrilled spacing units offsetting the unit in which the project is located and attesting that applicant, on or before the same date the application was submitted to the Division, has sent notification to all those parties by submitting a copy of the application to them by certified mail return receipt requested and advising them that if they have an objection, it must be filed in writing within twenty (20) days of the date notice was sent.

[7-26-95, 2-1-96]

- (4) The bottomhole location of any deviated well shall be at an orthodox well location or an unorthodox location previously approved pursuant to Rule 104 and shall be considered acceptable if the actual subsurface location in the formation to be produced is orthodox or is no more than 50 feet from the approved subsurface location. [7-26-95, 2-1-96]
- (5) The Division Director may approve the application for a deviated well upon receipt of waivers from all offset operators or owners of undrilled tracts or if no offset operator or owner has entered an objection to the project within 20 days after the application was received by the Director. [7-26-95, 2-1-96]

111.D. Directional Wellbore:

- (1) The Division Director, shall have the authority without notice and hearing to administratively approve a directional wellbore project when:
 - (a) the surface location of the proposed or existing project well is within the boundaries of the project area, consisting of a single or multiple drilling unit(s), substantially in the form of either a square or a rectangle, as applicable, being a legal subdivision of the U.S. Public Land Survey;
 - (b) the producing interval of the wellbore(s) is totally confined to a producing area. The wellbore(s) may be re-oriented to any azimuth based upon a change in conditions either geologic or mechanical, which is encountered either before or after the commencement of a project, but only insofar as the producing interval(s) remains totally confined to the producing area;
 - (c) the project area includes either a single drilling unit or multiple contiguous drilling units; and,
 - (d) the project well includes either a single lateral or multiple laterals which conform to conditions

(a) and (b) above.

[7-26-95, 2-1-96]

- (2) To obtain administrative approval to drill a directional well, the applicant shall file a written application in duplicate with the Division Director, copy to the appropriate OCD District Supervisor, which shall include:
 - (a) a statement addressing the reason(s) for directionally drilling the subject well;
 - (b) a plat indicating the section, township and range in which the well is to be drilled, the project area, the proposed surface location, the producing area for the project well, any existing wells in the applicable pool(s) in the proposed project area, all offsetting drilling units in the applicable pool(s) and their associated operator, and any wells in those units;
 - (c) a vertically oriented plan view (cross-sectional view) for the subject well including the true vertical depth of the top and bottom of the subject pool, degree of angle to be built in the project wellbore(s), the true vertical and the measured depth of the estimated kickoff point, the estimated penetration point and the lateral length;
 - (d) a horizontal plan view for the subject well and its spacing unit showing the drilling unit and drilling-producing window, including the estimated azimuth and maximum length of the lateral(s) to be drilled;
 - (e) a type log section on which is identified the top and bottom of the subject pool; and,
 - (f) a statement or plat showing the names and addresses of all operators of spacing units, or working interest owners of undrilled spacing units offsetting the unit in the applicable pool(s) in which the project is located and attesting that applicant, on or before the same date the application was submitted to the Division, has sent notification to all those parties by submitting a copy of the application to them by certified mail return receipt requested and advising them that if they have an objection, it must be filed in writing within twenty (20) days of the date notice was sent.

[7-26-95, 2-1-96]

(3) The maximum allowable assigned to the project area when dealing with prorated pools shall be based upon of the number of standard proration units (or approved non-standard proration and spacing units) for that pool any portion of which is within a distance of the producing lateral of the directional wellbore not greater than the footage setback distance for locating a vertical well from the outer boundary of a spacing unit for that pool. [7-26-95, 2-1-96]

111.E. Requirements/Conditions of Administrative Approval:

(1) The Division Director may approve the application upon receipt of waivers from all offset operators or owners of undrilled tracts or if no offset operator or owner has entered an objection to the project within 20 days

after the application was received by the Director. [7-26-95, 2-1-96]

(2) Any order issued by the Director approving an application for a directional wellbore shall require that:

- (a) the applicant shall conduct a directional survey on the wellbore after directional drilling operations in order that the direction, extent and terminus of said wellbore may be determined to be in compliance with the provision of any order with copies submitted to the Santa Fe NMOCD and to the NMOCDdistrict office in which the well is located; and,
- (b) the Supervisor of the appropriate Division District shall be notified of the approximate time all directional surveys are to be conducted. All directional surveys run on any well in any manner for any reason must be filed with the Division upon completion of the well. The Division shall not assign an allowable to a well until the operator has submitted an affidavit that all such directional surveys have been filed.

[7-26-95, 2-1-96]

111.F. Additional Matters:

- (1) The Division Director, at the request of an offset operator, may require any operator to make a directional survey of any well. The directional survey and all associated costs shall be at the expense of the requesting party and shall be secured in advance by a \$5,000 indemnity bond posted with and approved by the Division. The requesting party may designate the well survey company and the survey may be witnessed by the Division and the operator. [8-28-62...2-1-96]
- (2) The Division Director, may, at his discretion, set any application for administrative approval for public hearing. [3-2-84...2-1-96]
- (3) Permission to deviate or directionally drill any wellbore for any reason or in any manner not provided for in this rule shall be granted only after notice and hearing. [3-2-84...2-1-96]

112-A MULTIPLE COMPLETIONS

112-A.A. The multiple completion of any well may be permitted only as hereinafter provided. Multiple completion of any well without prior approval by the Division shall be solely at the operator's risk and shall in no way commit the Division to subsequent approval thereof. [7-3-58...2-1-96]

112-A.B. District Approval

- (1) The Supervisor of the appropriate Division district may authorize the multiple completion (qualifying conventional, tubingless, or combination) whenever the zones to be completed are to be produced through tubing or through casing where such casing has an outside diameter of 2.875 inches or less. The supervisor may authorize one gas zone to be produced through a casing-tubing annulus if such zone produces no more than one barrel of liquids per day. [2-1-82...2-1-96]
- (2) To obtain approval for multiple completion the operator shall file four copies of Division Form C-107 (Application for Multiple Completion) with the appropriate district office. Form C-107 shall be accompanied by a diagrammatic sketch of the Multiple Completion, showing all casing strings, including diameters

J.W. MULLOY ASSOCIATES, INC.

Engineering & Consulting 508 W. Wall *Suite 100 Midland, Texas 79701 Phone: (915) 687-0323

Fax: (915) 686-7224

JOHNNY MULLOY

President

HUDSON ROUTH
Vice President

FAX NUMBER 915/686-7224

FAX COVER PAGE

NUMBER OF PAGES IN TRANSMISSION 5 (INCLUDING COVER PAGE)

TO: MICHAEL STOGNER (NAME)

FROM: HUDSON ROUTH
(NAME)

IF THERE ARE ANY PROBLEMS WITH DOCUMENTS RECEIVED, PLEASE CONTACT OUR OFFICE IN MIDLAND BY CALLING 915/687-0323.

THANK YOU

J.W. MULLOY ASSOCIATES, INC.



P.O. BOX 7238 • MID

MIDLAND, TEXAS 79708

915/697-1490

May 9, 1997

Rand Paulson Oil Co., Inc. 212 N. Main, Suite 200 Midland, Texas 79701

Attn.: Mr. J. W. Mulloy

Re:

Nicholas Well No. 1

Lea County, New Mexico

Dear Mr. Mulloy:

In response to your request for a cost estimate for directional drilling services on the Nicholas Well No. 1 well located in Lea County, New Mexico, we respectfully submit the following proposal. Our proposal assumes that a Conventional mud motor and bent sub assembly with a steering tool will be used to sidetrack the wellbore and make the build-up and deflection run. The hold section of the wellbore will be drilled with Conventional Rotary Drilling Assemblies. The Conventional mud motor and Bent sub assembly with a steering tool will be used to make necessary corrective tool runs.

DIRECTIONAL RECOMMENDED PROCEDURE

- 1. Set good quality cement plug from 6900' to 6600' and wait on cement 24 hours.
- Go in hole with 7-7/8" Bit, Drill Collars and drill pipe and dress cement plug down to 6700'. While in hole, run Gyro Directional Survey on Wireline.
- 3. Go in hole with 7-7/8" Diamond Sidetrack Bit, 6-1/2" Hi Speed Mud Motor, deflection sub, 6-1/4" X 30' Non Mag Drill Collar, Drill Collars and drill pipe. Orient this assembly to hole direction and time drill 1' per hour for eight foot to get full bit pattern out into formation. Continue drilling a total of 60' to get full separation between wellbores. Trip out of hole for clean up and reaming run.

Mr. J. W. Mulloy Rand Paulson Oil Co., Inc. MAY 9, 1997 Page 2

Go in hole with 7-7/8" reamer with circulating bull plug, drill collars and drill pipe.
 Ream sidetracked hole to bottom and trip out of hole for a deflecting assembly.

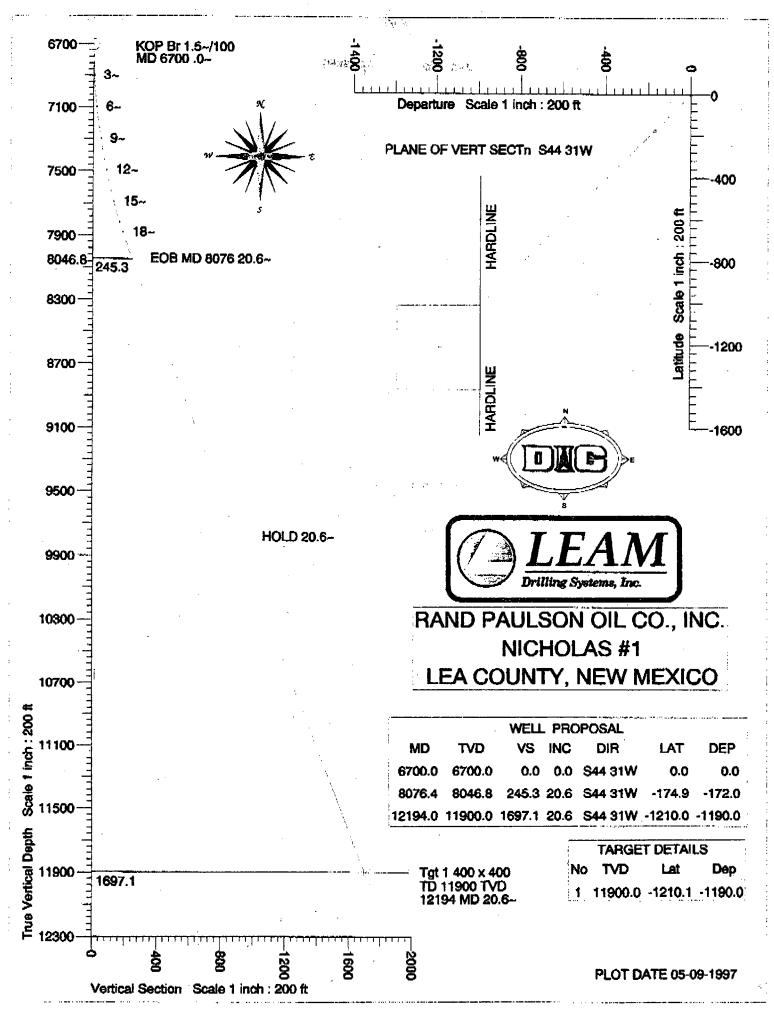
\$25.7°

THE ME STREET

- 5. Go in hole with 7-7/8" bit, 6-1/2" Slo speed motor, Bent sub, 6-1/4" X 30' non magnetic drill collar, drill collars and drill pipe. Orient this assembly and drill approximately 500' to deflect wellbore with approximately 8° angle and hole direction. Trip out of hole for angle building assembly.
- 6. Go in hole with 7-7/8" bit, 7-7/8" bottom hole 6 point roller reamer 6-1/4" X 30' non magnetic drill collar, 1 (one) 30' drill collar, 7-7/8" string IB stabilizer, 1 (one) 30' drill dollar, 7-7/8" string IB stabilizer, drill collars, drilling jars and drill pipe.

 Drill with this assembly and build angle at the rate of 1-1/2° per 100' to a true vertical depth of 8047' and/or 8076' measured depth and an average angle of 20.65° is obtained or until a corrective motor run is needed. Trip out of hole for a semi-packed assembly.
- 7. Go in hole with 7-7/8" bit, 7-7/8" bottom hole 6 point roller reamer, 6-1/4" X 30' non magnetic drill collar, 7-7/8" string IB stabilizer, 1 (one) 30' drill collar, 7-7/8" string IB stabilizer, drill collars, drilling jars and drill pipe. Drill with this assembly to 11,900' true vertical depth and/or 12,194' measured depth maintaining an average angle of 20.65° or until a corrective motor run is needed. If a corrective motor run is needed, repeat procedure number 5.

NOTE: DROP MAGNETIC MULTISHOT SURVEY ON TRIP OUT OF HOLE.



NICHOLAS NICHOLAS #1 5-9-97 Plane of Vertical Section 224.52 Section 1 (Const Dogleg) Values to be applied MD Inc Dir Tvd Lat Vsec Dep Build Turn Dleg T Face 6700.0 0.00 224.52 6700.0 0.0 0.0 0.0 1.5 0.0 1.5 0.0 6800.0 1.50 224.52 6800.0 1.3 -0.9 -0.9 1.5 0.0 1.5 0.0 7000.0 4.50 224.52 6999.7 11.8 -8.4-8.3 1.5 0.0 1.5 0.0 7200.0 7.50 224.52 7198.6 32.7 -23.3-22.9 1,5 0.0 1.5 0.0 7400.0 10.50 224.52 7396.1 64.0 -45.6 -44.8 1.5 0.0 1.5 0.0 7600.0 7591.7 13.50 224.52 105.5 -75.2 -74.0 1.5 0.0 1.5 0.0 7800.0 16.50 224.52 7784.9 157.3 -112.2 -110.3 1.5 0.0 1.5 0.0 8000.0 19.50 224.52 7975.0 219.1 -156.2 1.5 -153.61.5 0.0 0.0 Section 2 (Hold Section) Values to be applied MDInc Dir Tvd Vsec Lat Dep Build Turn Dleg T Face 8076.4 20.65 224.52 8046.8 245.3 -174.9-172.00.0 0.0 0.0 0.0 8200.0 20.65 224.52 8162.5 288.9 -206.0 -202.6 0.0 0.0 0.0 0.0 8400.0 20.65 224.52 8349.6 359.4 -256.3 -252.0 0.0 0.0 0.0 0.0 8600.0 20.65 224.52 8536.8 429.9 -306.5-301.40,0 0.0 0.0 0.0 8800.0 20.65 224.52 8723.9 500.4 0.0 0.0 -356.8 -350.9 0.0 0.0 20.65 224.52 9000.0 8911.1 571.0 -407.1 -400.30.0 0.0 0.0 0.0 9200.0 20.65 224.52 641.5 9098.2 -449.8 -457.4 0.0 0.0 0.0 0.0 9400.0 20.65 224.52 9285.4 712.0 -507.7 -499.2 0.0 0.0 0.0 0.0 9600.0 20.65 224.52 9472.6 782.5 -557.9 -548.7 0.0 0.0 0.0 0.0 9800.0 20.65 224.52 9659.7 853.0 -608.2-598.1 0.0 0.0 0.0 0.0 10000.0 20.65 224.52 9846.9 923.5 -658.5 -647.6 0.0 0.0 0.0 0.0 10200.0 20.65 224.52 10034.0 994.1 -708.8 -697.00.0 0.0 0.0 0.0 10400.0 0.0 20.65 224.52 10221.2 1064.6 -759.0 -746.4 0.0 0.0 0.0 20.65 224.52 10408.3 0.0 10600.0 -795.9 0.0 0.0 0.0 1135.1 -809.3 20.65 224.52 10595.5 5-859.6 10800.0 1205.6 -845.30.0 0.0 0.0 0.0

-909.9

-960.2

-1010.4

-1060.7

-1111.0

-1161.3

-1210.0

-894.8

-944.2

-993.7

-1043.1

-1092.5

-1142.0

-1190.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

1276.1

1346.6

1417.2

1487.7

1558.2

1628.7

1697.1

والإيزارية

11000.0

11200.0

11400.0

11600.0

11800.0

12000.0

12194.0

20.65 224.52 10782.7

20.65 224.52 10969.8

20.65 224.52 11157.0

20.65 224.52 11344.1

20.65 224.52 11531.3

20.65 224.52 11718.4

20.65 224.52 11900.0

.;

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

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

> CASE No. 3651 Order No. R-3315 NOMENCLATURE

APPLICATION OF OLEN F. FEATHERSTONE FOR THE CREATION OF A NEW POOL AND SPECIAL POOL RULES, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 6, 1967, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 11th day of September, 1967, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Olen F. Featherstone, seeks the creation of a new oil pool for Permo-Pennsylvanian production in Lea County, New Mexico, including a provision for 80-acre spacing units.
- (3) That the Olen F. Featherstone Mobil-State Well No. 1, located in Unit E of Section 32, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico, has discovered a separate common source of supply which should be designated the North Morton Permo-Pennsylvanian Pool; that the vertical limits of said pool should be the Lower Wolfcamp and the Upper Pennsylvanian formations as found in the interval from 10,305 feet to 10,605 feet on the log of the aforesaid Olen F. Featherstone Mobil-State Well No. 1;

and that the horizontal limits of said pool should be the NW/4 of said Section 32, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico.

- (4) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, temporary special rules and regulations providing for 80-acre spacing units should be promulgated for the North Morton Permo-Pennsylvanian Pool.
- (5) That the temporary special rules and regulations should provide for limited well locations in order to assure orderly development of the pool and protect correlative rights.
- (6) That the temporary special rules and regulations should be established for a one-year period in order to allow the operators in the subject pool to gather reservoir information to establish the area that can be efficiently and economically drained and developed by one well.
- (7) That this case should be reopened at an examiner hearing in September, 1968, at which time the operators in the subject pool should be prepared to appear and show cause why the North Morton Permo-Pennsylvanian Pool should not be developed on 40-acre spacing units.

IT IS THEREFORE ORDERED:

- (1) That a new pool in Lea County, New Mexico, classified as an oil pool for Permo-Pennsylvanian production, is hereby created and designated the North Morton Permo-Pennsylvanian Pool, with vertical limits comprising the Lower Wolfcamp and the Upper Pennsylvanian formations as found in the interval from 10,305 feet to 10,605 feet on the log of the Olen F. Featherstone Mobil-State Well No. 1, located in Unit E of Section 32, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico, and horizontal limits comprising the NW/4 of said Section 32.
- (2) That temporary Special Rules and Regulations for the North Morton Permo-Pennsylvanian Pool are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS FOR THE NORTH MORTON PERMO-PENNSYLVANIAN POOL

- RULE 1. Each well completed or recompleted in the North Morton Permo-Pennsylvanian Pool or in the Lower Wolfcamp or Upper Pennsylvanian formation within the defined vertical limits of said pool within one mile thereof, and not nearer to or within the limits of another designated Wolfcamp or Pennsylvanian oil pool, shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.
- RULE 2. Each well shall be located on a standard unit containing 80 acres, more or less, consisting of the M/2, S/2, E/2, or W/2 of a governmental quarter section; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter-quarter sections in the unit.
- RULE 3. The Secretary-Director of the Commission may grant an exception to the requirements of Rule 2 without notice and hearing when an application has been filed for a non-standard unit comprising a governmental quarter-quarter section or lot, or the unorthodox size or shape of the tract is due to a variation in the legal subdivision of the United States Public Land Surveys. All operators offsetting the proposed non-standard unit shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the formation of the non-standard unit within 30 days after the Secretary-Director has received the application.
- RULE 4. Each well shall be located within 150 feet of the center of a governmental quarter-quarter section or lot.
- RULE 5. The Secretary-Director may grant an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proposed location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may

approve the application approved the written waivers from all operators offsetting the proposed tocation or if no objection to the unorthodox location has been entered within 20 days after the Secretary-Director has received the application.

RULE 1. Each well completed or recompleted in the North Morton Pelaging algorith. (C) tinu noits or surphished and EUN Morton Pelaging algorithm. (C) tinu noits or submished and EUN Upper Penino 70, 6,6,70 or other continued as a light of the submished or submished and the continued and the continued and the continued as a light of the continued and the continued as a light of the standard of the continued as a light of the continued and the continued as a light of the continued and the continued as a light of the continued as a

Moids or the second of the sec

RESE pirilitat the political of of the first that the locations of the entire of the first that the location of the complete of the first period of the continuation of the lower wolfdam of the rest of the location of the location of the location of the continuation of the location of the well state of the location of the well state to notice that such notice of the location of the well state that such notice has been furnished.

- (2) That each well presently drilling to of completed in the North Morton Permo-Pennsylvanian Fool or in the Lower Wolf-camp or Upper Pennsylvanian formation within the defined vertical limits of said pool within one mile thereof shall receive a 40-manage acre allowable until a Form C-102 dedicating 80 acres to the well-some has been filed with the Commission.
- center of a governmental quarter-quarter section or lot.

 grirsed renimse ns is benegoes ed lishe east aid tshi (E)

 Example of the section of the section of a well previous of the recomment of a well previous or the recommentation of a well previous ones, the analysis of the recommentation of a well previous or the recommentary of a section of a well previous ones, when the recommentary of the recommen
- ously drailed to another horizon. All operators offsetting the edit rol begingternesing edy ment to be a substantial to be a substantial double of the condition of the substantial double condition and the secretary-director may grad that it is no to be the furnished. The secretary-director may grad

-5-CASE No. 3651 Order No. R-3315

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON 3. HAYS, Member

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

CRAL

PETROLEUM INFORMATION/DWIGHTS MIDLAND REGION REPORT **SECTION III - 05/05/97**

PAGE 33

WD

WD

WD

NEW MEXICO DRILLING PROGRESS LEA COUNTY CONTINUED

J P H OIL 1 HODGE J P API 30-025-33492 27-12S-38E 550 FSL 430 FWL SEC IC 300257035896

WILDCAT; 12200, (FR 07/02/96MD) OPER ADD: BOX 565, LOVINGTON, NM, PHONE (505) 396-2837; EL: 3805 GR; LOCATION DATA: 6 MI E GLADIOLA, NM APPROX 1200 FT E/9560 (WFMP) OIL PROD IN UNNAMED FLD :

LOC:

SABA ENERGY TEXAS 1 SABA STATE API 30-025-33726

7-13S-36E 2310 FSL 1308 FEL SEC IC 300257071096

WILDCAT; 14200 DEVONIAN, (FR 12/19/96MD) OPER ADD: 1603 SE 19TH ST, STE 202, EDMOND, OK, 73013 PHONE (405) 340-3600; EL: 4003 GR; LOCATION DATA: 4 MI S TATUM, NM .75 MI S/10285 (WFMP) OIL PROD IN TATUM FIELD; (VERTICAL)

CONTR: LAKOTA DRLG, RIG #2;SPUD: 12/26/96, CSG: 5 1/2 @ 13980 W/1400 SX; DRLG COMMENTS: FARO 25-100 BOPH THRU 12/64 TO 21/64 CK W/NO WTR IN 4 HR TEST PERIOD. FORM & INTERVAL NOT RPTD. RIG REL: 02/22/97; ... 14031 TD, WOPE (LDIR 05/02/97)

RAND PAULSON OIL 1 STATE '26' API 30-025-33748

26-13S-37E 1800 FSL 990 FWL SEC IC 300257073696

WILDCAT; 12000 ATOKA, (FR 12/30/96MD) (ST APPD PMT: 12/27/96) OPER ADD: 4950 N OCONNOR BLVD, STE 270, IRVING, TX, 75062 PHONE (972) 717-9798; EL: 3859 GR; LOCATION DATA: 6 MI S GLADIOLA, NM .75 MI W/9332 (WFMP) OIL PROD IN KING FIELD; (VERTICAL)

CONTR: TMBR SHARP DRLG, RIG #23;SPUD: 01/11/97, CSG: 13 3/8 @ 400 W/450 SX, 8 5/8 @ 5000, 5 1/2 @ 11950 W/1050 SX; DST # 1 (WOLFCAMP) 9520-9572, NO DETAILS DST # 2 (WOLFCAMP) 10732-10754, NO DETAILS; (TD REACHED: 02/12/97), RIG REL: 02/17/97; ... 11950 TD, TSTG (LDIR 05/02/97)

RAND PAULSON OIL 1 ESTACADO '27' STATE API 30-025-33849

27-14S-34E 1650 FSL 2125 FWL SEC IC 300257015097

WILDCAT; 12500 ATOKA, (FR 03/03/97MD) (ST APPD PMT; 02/28/97) OPER WD ADD: 4950 N OCONNOR BLVD, STE 270, IRVING, TX, 75062 PHONE (214) 717-9796; EL: 4103 GR; LOCATION DATA: 26 MI SE CAPROCK, NM .75 MI NE/10428 (PSLV) OIL PROD IN TRES PAPALOTES FIELD ; (VERTICAL)

CONTR: TMBR SHARP DRLG, RIG #24;SPUD: 03/06/97, CSG: 13 3/8 @ 443, 5 1/2 @ 10639; DST # 1, NO DETAILS DST # 2, NO DETAILS; RIG REL: 04/05/97; PROD TEST(S): PERF , 10448-10482, W/36 SHOTS, ACID (10448-10482) W/ 750 GALS, F 600 BOPD, 24 HR, . . . 10639 TD, WOPT (LDIR 05/01/97)

RAND PAULSON OIL 2 ESTACADO '27' STATE API 30-025-33922

27-14S-34E 2040 FNL 2040 FEL SEC IC 300257025897

WILDCAT; 12500 ATOKA, (FR 04/14/97MD) (ST APPD PMT: 04/11/97) OPER WD ADD: 4950 N OCONNOR BLVD, STE 270, IRVING, TX, 75062 PHONE (214) 717-9796; EL: 4104 GR; LOCATION DATA: 26 MI SE CAPROCK, NM .75 MI SW/10463 (PSLV) OIL PROD IN HIGH PLAINS FLD , (VERTICAL)

CONTR: TMBR SHARP DRLG, RIG #24;SPUD: 04/08/97, CSG: 13 3/8 @ 400; ... DRLG 5900, MUD WT 9.7 (LDIR 05/01/97)

RAND PAULSON OIL 3 ESTACADO '27' STATE API 30-025-33923

27-14S-34E 1980 FNL 1980 FWL SEC IC 300257025997

WILDCAT; 12500 ATOKA, (FR 04/14/97MD) (ST APPD PMT: 04/11/97) OPER ADD: 4950 N OCONNOR BLVD, STE 270, IRVING, TX, 75062 PHONE (214) 717-9796; EL: 4106 GR; LOCATION DATA: 26 MI SE CAPROCK, NM .75 MI NE/10428 (PSLV) OIL PROD IN TRES PAPALOTES FLD: (VERTICAL)

CONTR: DEL MAR DRLG, RIG #6;SPUD: 04/29/97, . . . DRLG SURF (LDIR 05/01/97)

RAND PAULSON OIL 1 NICHOLAS '31' FEDERAL API 30-025-33822

31-14S-35E 2090 FNL 660 FEL SEC IC 300257006197

WD WILDCAT: 12500, (FR 01/24/97MD) (ST APPD PMT: 02/10/97) OPER ADD: 4950 N OCONNOR BLVD, STE 270, IRVING, TX, 75062 PHONE (214) 717-9796; EL: 4042 GR: LOCATION DATA: 15 MI NW LOVINGTON, NM .25 MI NE/10450 (PVPM) OIL PROD IN UNNAMED FLD; (VERTICAL)

CONTR: NORTON DRLG. RIG #17; SPUD: 03/21/97, CSG: 13 3/5 @ 450 W/450 SX, 8 5/8 @ 6214; DST # 1, NO DETAILS DST # 2, NO DETAILS DST # 3, NO DETAILS: . . . DRLG 10210, MUD WT 9.2 (LDIR 05/01/97)

BROWN H L JR 2 NORTH FEATHER STATE UNIT 1340 FSL 990 FEL SEC API 30-025-33678

9-15S-32E IC 300257065296 CONTR: PETERSON DRLG, RIG #1;SPUD: 03/30/97, ... DRLG 8138 (LDIR 04/18/97)

FEATHER NORTH; 12500 MORROW, (FR 11/19/96MD) OPER ADD: BOX 2237, MIDLAND, TX, 79702 PHONE (915) 683-5216; EL: 4301 GR; LOCATION DATA: 25 MI S CAPROCK, NM; (VERTICAL)

WFD

WD

D

WD

MATADOR OPERATING 1 STATE API 30-025-23754-0001

27-15S-33E 660 FNL 660 FEL SEC IC 300257022497

WILDCAT; 12499 MORROW, (FR 03/27/97MD) (ST APPD PMT: 03/27/97) OPER ADD: 415 W WALL, STE 1101, MIDLAND, TX, 79701 PHONE (915) 687-5955; EL: 4171 GR; LOCATION DATA: 23 MI SE CAPROCK, NM 2 MI NW/10204 (WFMP) OIL PROD IN HUME NORTH FIELD; (VERTICAL) OWDD: OLD INFO: FORMERLY MONCRIEF W A JR 1 STATE. ELEV 4171 GR, 4183 DF. SPUD 4/18/71. 11 3/4 @ 304 W/300 SX, 8 5/8 @ 4300 W/300 SX. LOG TOPS: ABO SH 7870, WOLFCAMP 9385, CISCO 10190. OTD 10330. COMP 5/17/71. D&A:

LOC:

YATES PET **2 PAPALOTES** API 30-025-33276 2-15S-34E 330 FSL 1800 FWL SEC IC 300257005896

WILDCAT; 12100 STRAWN, (FR 01/25/96MD) (ST APPD PMT: 01/24/97) OPER WD ADD: 105 S 4TH ST, ARTESIA, NM, 88210 PHONE (505) 748-1471; EL: 4078 GR: LOCATION DATA: 28 MI SE CAPROCK, NM 1.50 MI NW/10242 (WFMP L) OIL PROD IN MORTON FLD; (VERTICAL)

LOC:

SANTA FE ENERGY RES 1 GRASSLANDS '27' API 30-025-33733

27-15S-34E 1243 FSL 353 FEL SEC IC 300257072296

WILDCAT: 14500, (FR 12/19/96MD) OPER ADD: 550 W TEXAS, STE 1330. MIDLAND, TX, 79701 PHONE (915) 687-3551; EL: 4071 GR; LOCATION DATA: 31 MI SE CAPROCK, NM 1.50 MI NW/10568 (CSCO) OIL PROD IN **UNNAMED FLD**; (VERTICAL)

LOC;

		Offer Ogai	-, 47.	15912	<u>3</u> .	198		
Form-3160-3 (July 1992)		PHOPERTY	40. <u>-</u>	20409	· (LIPLICATE	FC	PRM APPROVED IB NO. 1004-0136
(UNI DEPARTMEN	POOL CODE		<u> </u>		82240		s: February 28, 1995
·	BUREAU OI	EHR DATE	2/	10/97		. !	5. LEASE DESI NM - 9	GNATION AND SERIAL NO. 6249
APPL	ICATION FOR F	APINO. <u>30</u>	7-0	25-338	22		6. IF INDIAN,	ALLOTTER OR TRIBE NAME
la. TYPE OF WORK					-			
b. Tipe of wall		DEEPEN					7. UNIT AGES	EMBN THEMS
WELL 2. NAME OF OPERATOR	WELL OTHER	<u> </u>		ONB	MULTIP: ZONE		8. FARM OR LEASE	
Rand Pauls	on Oil Compan	y, Inc.		915/	687-	0323	9. ARWELLNO.	olas 31 Feder
8. ADDRESS AND TELEPHONE NO 508 W. Wal	l, Suite 100	Mi	dlar	nd, TX 79	701		10. FIELD AND	POOL, OR WILDCAT
At surface	Report location clearly and		th any i	State requirements	1.*)		Wildo	
209 At proposed prod. so	0' FNL & 660'	FEL	,	11.11			AND SUBVI	Y OR ARRA
A DISTANCE IN MILES	Same	THE TOWN OF BOX		1011				31-T14S-R35E
	NW of Lovingt		1 00010	•		1	Lea	New Mexi
5. DISTANCE FROM PROP	PUSED®	OII, INI	16. N	O. OF ACRES IN LE	ABE		F ACRES ASSIGN	
LOCATION TO MEARES PROPERTY OR LEASE (Also to nearest dr)	IT LIMB, FT. Ig. unit line, if any)	660′		320		TO TH	18 WELL	40
8. DISTANCE FROM PRO	POSED LOCATION® DRILLING, COMPLETED,		19. ri	ROPOSED DEPTH		20. ROTAR	T OR CABLE TO	
	bether DF, RT, GR, etc.)	ry hole	·	12,500'			Rotary	DATE WORK WILL START*
4042'	GL						Febr	uary 5, 1997
3.		PROPOSED CASI	NO EN	CEMENTING PR	ROGRAN	rosene a se	S WATER	Dasin
SIRE OF HOLE	GRADB, SIZE OF CASINO	WEIGHT PER F	00T	SETTING DEP	TH		D YTITHAUD	P CEMBRI
17 1/2"	13 3/8"J-55	54.5#		450′		Circ.	450 sx	
11" 7 7/8"	8 5/8" *	32.0# 17.0#		6200' 12500'				<u>tërmined*</u> termined*
0' 4 50' 6,200' 10,200'	rogram: - 450': Fresh water '- 6,200': FW BW Oil - 10,200': Fresh water - 12,500': FW Gel FLA Mud up @ 9,	: : A :	8.3 8.5 8.4	1ud Wt. 3- 8.9 ppg 5-10.2 ppg 3- 9.0 ppg 3- 9.5 ppg	<u>Vis,</u> 32 - 36 28 - 36 28 - 36	No No No	L Control W/L control. W/L control. W/L control. L cont. 10cc.	
A 3000	psi wp 12" Shaffer LW							
	f 6,200'. A 5000 psi w P will be tested before				stalled		/8" casing. C OVAL SUBJ	
	E: See Exhibit "F" for	C			Ogram	GENE	RAL REQU	IREMENTS AND
			•	, ,	_	SPEC	IAL STIPUL	
N ABOVE SPACE DESCRIE cepen directionally, give per	BE PROPOSED PROGRAM: If tinent data on subsurface location	proposal is to deepen, as and measured and t	give data rue vertic	on present productiv al depths. Give blowe	ve zone a out preven	nd proposéd i ter program, i	new productive zo f any.	one. It proposal is to drill of
4.	2 /			gent for:				
BIGNED Siece	rger Smit	<u>(</u>	R	and Pauls	on (Dil Co	- DATE	Jan. 16, 1997
(This space for Fede	eral or State office use)							
PERMIT NO.				APPROVAL DATE	<u>.</u>			
	not warrant or certify that the appart, IF ANY:	olicant holds legal or ea	puitable ti		e subject le	ase which wo	uld entitle the appli	cent to conduct operations there
	RIG. SGD.)JAMES G. F	ETTENGILL	1.	C. Z. ADM	MINE	:RAI S	2	1.97
APPROVED BY	III Odona III od	SJTR	<u> [c </u>	TO MI,	FAILIAC	· · · · · · · · · · · · · · · · · · ·	_ DATE	(- · / /
		*See Instru	ctions	On Reverse Sid	de			

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the <u>Noited States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.</u>

DISTRICT I P.O. Box 1680, Hobbs, NM 68241-1960

State of New Mexico

Rnergy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD. Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 67410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

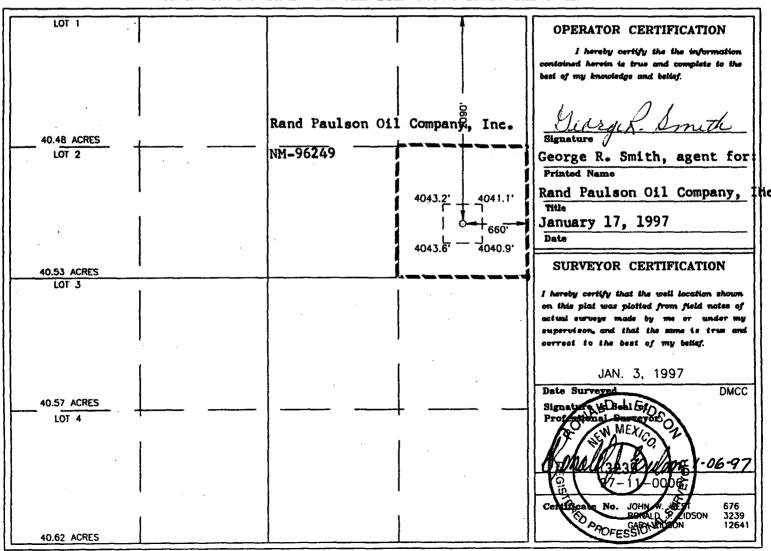
WELL LOCATION AND ACREAGE DEDICATION PLAT

3D-02	Number 5- 33	822		Pool Code	·	Undesignated Wildcat Atoka					
Property 2Dり	Code			NICH	Well Number						
15912	OGRID No. 59123 RAND PAULSON OIL COMPANY, INC.							Elevation 4042	_		
					Surface Loc	ation					
UL or lot No.	or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the							East/West line	County		
lн	H 31 14 S 35 E 2090 NORTH 660						FAST	IFA			

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acres	Joint o	r Infill Co	onsolidation	Code Or	der No.			<u> </u>		

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



APPLICATION FOR DRILLING RAND PAULSON OIL COMPANY, INC

Nicholas 31 Federal, Well No., 1 2090' FNL & 660' FEL, Sec. 31-T141S-R351E Lea County, New Mexico Lease No.: NM-96249 (Exploratory Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Rand Paulson Oil Company, Inc. submits the following items of pertinent information in accordance with BLM requirements:

- 1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
- 2. The estimated tops of geologic markers are as follows:

Anhy	1860'	ME WC A	10390'
Yates	2977'	EE WC	10580'
San Andres	4430'	Cisco Por. Dol.	10730'
Abo	8072'	Canyon	10870'
WC/B. Leonard	9725'	Canyon Por. Dol	11120'
XX	9940'	Strawn	11875'
LE WC	10140'	Atoka	12015'
ME WC B	10270'	T.D.	12500'

3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:

Water: Random fresh water sands from surface to - 200'+/-.

Oil: Possible in the EE WC below 10580', Cisco Dolo. below 10730', Canyon Dolo. below 11120',

Strawn below 11875'.

Gas: None expected.

4 Proposed Casing Program: See Form 3160-3.

5 .Proposed Control Equipment: See Form 3160-3 and Exhibit "E".

6. Mud Program: See Form 3160-3.

7. Auxiliary Equipment: Blowout Preventer, gas detector, Kelly cock.

8. Testing, Logging, and Coring Program:

Drill Stem Tests: Three possible to be determined by geologist.

Logging: Intermediate casing to surface:

GR/N.

T.D. to intermediate casing:

DI-SFL/GR/CAL/SP, LS/Acoustic/GR/CAL,

T.D. to intermediate casing:

Micro/Mini log/GR/CAL, Z/Dens./Neutron/GR/CAL

Coring: None planned.

- 9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the mud weight. Estimated BHP = 5000 psi (evac.) with temperature = 185°.
- 10. H2 S: None expected.
- 11. Anticipated starting date: February 5, 1997
 Anticipated completion of drilling operations: Approximately 60 days.

EXHIBIT"F"

RAND PAULSON OIL COMPANY, INC. NICHOLAS 31 FEDERAL NO. 1 LEA COUNTY, NEW MEXICO

DRILLING PROGNOSIS

ELEVATION:

GL 4042'

LOCATION:

2090' FNL; 660' FEL; Section 31; T-14-S; R-35-E.

DIRECTIONS;

From Lovington, NMX, go North on CR 103 8 miles. Turn West on CR 108 for 6 miles. Turn South on Gravel road 1.5 miles. Turn East through

CG. Follow road to Location. Norton Drilling rig.

CASING:

Surface:

450' of 13 3/8" 54.5 lbs. J-55 STC Csg. TP Shoe, Baffle Plate,

Stop Ring and 6 Centralizers.

Intermediate: 4000' 8 5/8" 32 lbs. K-55 STC Csg. Stage Cementing Collar @ 4000'.

2200' 8 5/8" 32 lbs. HCK-55 or S-80 STC Csg. Guide Shoe, Float

Collar, Stop Ring, 6 Centralizers.

Production:

1,100° 5 1/2" 17 lbs S-95 LTC R-3 Csg.

10,700' 5 1/2" 17 lbs N-80 LTC R-3 Csg.

Stage Cementing Collar @ 9000'. 700' 5 1/2" 17 lbs S-95 LTC R-3 Csg.

CEMENTING:

SURFACE:

450 sx Class C + 2% CaCl₂ mixed @ 14.8 #/gal;

1.32 ft³/sk; 6.32 gals wtr/sk...

Intermediate: Stage 1: Class C + 3% Sodium Metasilicate + 3# salt/sk + 1/4 lb/sk

Celloflakes mixed @ 11.5 lbs/sk; 2.77 ft³/sk.

200 sx Class C Neat mixed @ 14.8 lbs/gal, 1.32 ft³/sk.

Stage Cementing Collar $@ \pm 4000$.

Stage 2: Same as Stage 1.

*Volume to be determined from Fluid Caliper. Circulate to Surface.

Production: Stage 1: Class H:Pozzalan 50:50 w/additives. 14.6 #/gal; 1.27 ft³/sk.

Stage Cementing Collar @ 9000'

Stage 2: Class H:Pozzalan 65:35 w/additives. 12.0 #/gal; 2.27 ft³/sk.

Class H Neat

*Volumes to be determined from Caliper Log. TOC 6000'.

BITS:

Contractor's choice - Norton Drlg Co. 17 1/2"; 11"; 7 7/8".

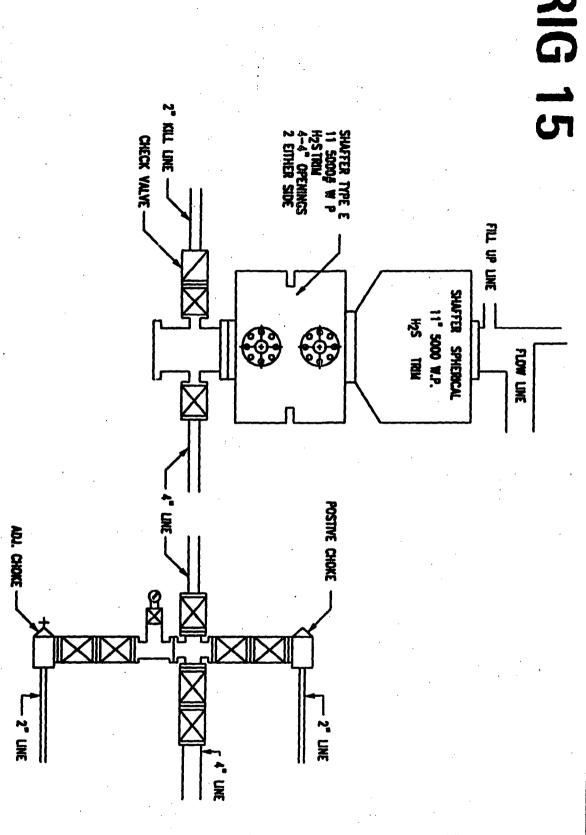


EXHIBIT "E"

RAND PAULSON OIL COMPANY, INC

Nicholas Federal, Well No. 1

BOP Specifications

MULTI POINT SURFACE USE AND OPERATIONS PLAN

RAND PAULSON OIL COMPANY, INC.

Nicholas Federal, Well No. 1 2090' FNL & 660' FEL, Sec. 31-T14S-R35E Lea County, New Mexico Lease No.: NM-96249 (Exploratory Well)

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, to be followed in rehabilitating the surface environmental effects associated with the operations.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a New Mexico road map showing the location of the proposed well as staked, in relation to existing roads and highways The well site location is approximately 15.5 road miles northwest of Lovington, New Mexico. Traveling north from Lovington, there will be approximately 14 miles of paved Lea County roads and 1.5 miles of county gravel roads.
- B. Directions: Travel north from the corner of Gum and 3rd St. in Lovington, NM on Lea County road No. C103 for 8 miles to county road C108. Turn left (west) on C108 for 6 miles, where the paved road turns north. Turn south on gravel road C104 for 1.5 miles. At this point there is a north/south fence on the east side of the road and another fence running east/west down the center of this section. The proposed access road starts at this corner of the fence and follows the north side of the fence east for 4.500 feet to the southwest corner of the proposed location.

2 .PLANNED ACCESS ROAD:

- A. Length and Width: The proposed access road will be approximately 4,500 feet in length and 12 feet wide (24' Max.), which is color coded red on Exhibit "B".
- B. Construction: The proposed access road will be constructed by grading and topping with compacted caliche. The surface will be properly drained.
- C. Turnouts: There will be three or four turnouts for passing, increasing the road width to 20 feet.
- D. Culverts: None required.
- E. Cuts and Fills: None required..
- F. Gates, Cattle guards: There will be two cattle guards required.
- G. Off Lease R/W: None required.

3 LOCATION OF EXISTING WELLS:

A. Existing wells within a two mile radius are shown on Exhibit "C".

Rand Paulson Oil Company, Inc. Nicholas Federal, Well No. 1 Page 2

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES;

- A. There are no production facilities on the lease at this time.
- B If the well proves to be commercial, the necessary production facilities, gas separation-process equipment and tank battery will be installed on the drilling pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with fresh water that will be obtained from private or commercial sources and will be transported over the existing and proposed access road.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche for surfacing and upgrading the existing access road and well site pad will be obtained from a pit on the proposed location. No surface materials will be disturbed except those necessary for actual grading and surfacing of the proposed drill site and access road.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pit.
- B. Drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry.
- C. All pits will be fenced with normal fencing materials to prevent livestock from entering the area.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to the BLM for approval.
- E. Oil produced during operations will be stored in tanks until sold.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. Trash, waste paper, garbage and junk will be contained in trash bins to prevent scattering by the wind and will be removed for deposit in an approved sanitary land fill within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

A. None required.

Rand Paulson Oil Company, Inc. Nicholas Federal, Well No. 1 Page 3

9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the relative location and dimensions of the well pad, waste pits, and major rig components. The pad and pit area has been staked and flagged 400' X 400'.
- B. Mat Size: Maximum size: 275' X 195', plus a 130' X 120' pit area.
- C. Cut & Fills. None required.
- D. The surface will be topped with compacted caliche and the reserve pits will be plastic lined.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the well site in an aesthetically pleasing a condition as possible.
- B. Any unguarded pits containing fluids will be fenced and screened until they are filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the surface land owner will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled as soon as the pits are dry enough to work.

11 OTHER INFORMATION:

- A. Topography: The proposed well site and access road are located in the level Eastern New Mexico high plains northwest of Lovington, NM. The overall slope in the area is less than .33% to the east/southeast. The proposed location has an elevation of 4042' G.L.
- B. Soil: The topsoil at the well site is a light brown colored gravelly loam of the Kimbrough-Lea complex soil series. The surface soil has caliche scatter and is uderlain with caliche.
- C. Flora and Fauna: The vegetation cover is a fair to good grass cover of three-awn, grama, bluestem, and dropseed along with plants of yucca, cacti, and miscellaneous weeds and wildflowers. The wildlife consists of antelope, rabbits, coyotes, rattlesnakes, lizards, dove, quail and other wildlife typical of the semi-arid desert land.
- D. Ponds and Streams: None in the area.
- E. Residences and Other Structures: There is a ranch house 1.5 miles to the northwest and an old tank battery to the southwest.
- F. Land Use: Cattle grazing.

Rand Paulson Oil Company, Inc. Nicholas Federal, Well No. 1 Page 4

11. OTHER INFORMATION;

cont....

- G. Surface Ownership: The proposed well site and access road is on Fee surface owned by John R. Anderson, P.O. Box 136, Gail, TX 79738, phone No. (806) 0 756-4374 An agreement has been negotiated to compensate the surface owner for damages.
- H. There is no evidence of any archaeological, historical or cultural sites in the immediate area of the well site and access road. An archaeological survey will be conducted by Archaeological Survey Consultants, P.O. Box D, Roswell, NM 88202 and their report will be submitted to the appropriate government agencies.

12. OPERATOR'S REPRESENTATIVE:

A. The field representative for assuring compliance with the approved surface use and operations plan is as follows:

John Mulloy J. W. Mulloy Associates, Inc. 508 W. Wall, Suite 100 Midland, Texas 79701 Office Phone: (915) 687-0323

13. CERTIFICATION:

I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Rand Paulson Oil Company, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

January 16, 1997

George R. Smith

Agent for: Rand Paulson Oil Company, Inc.

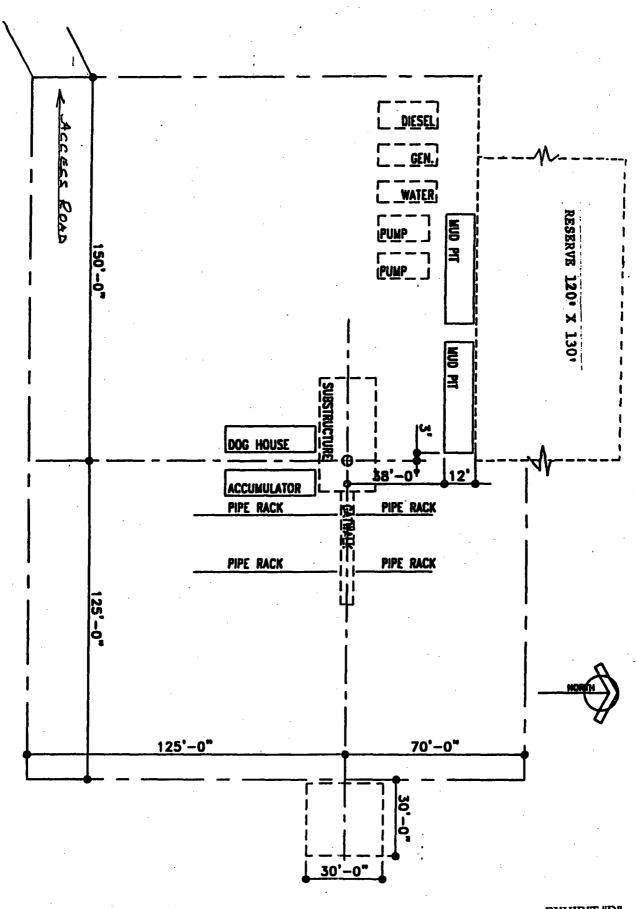
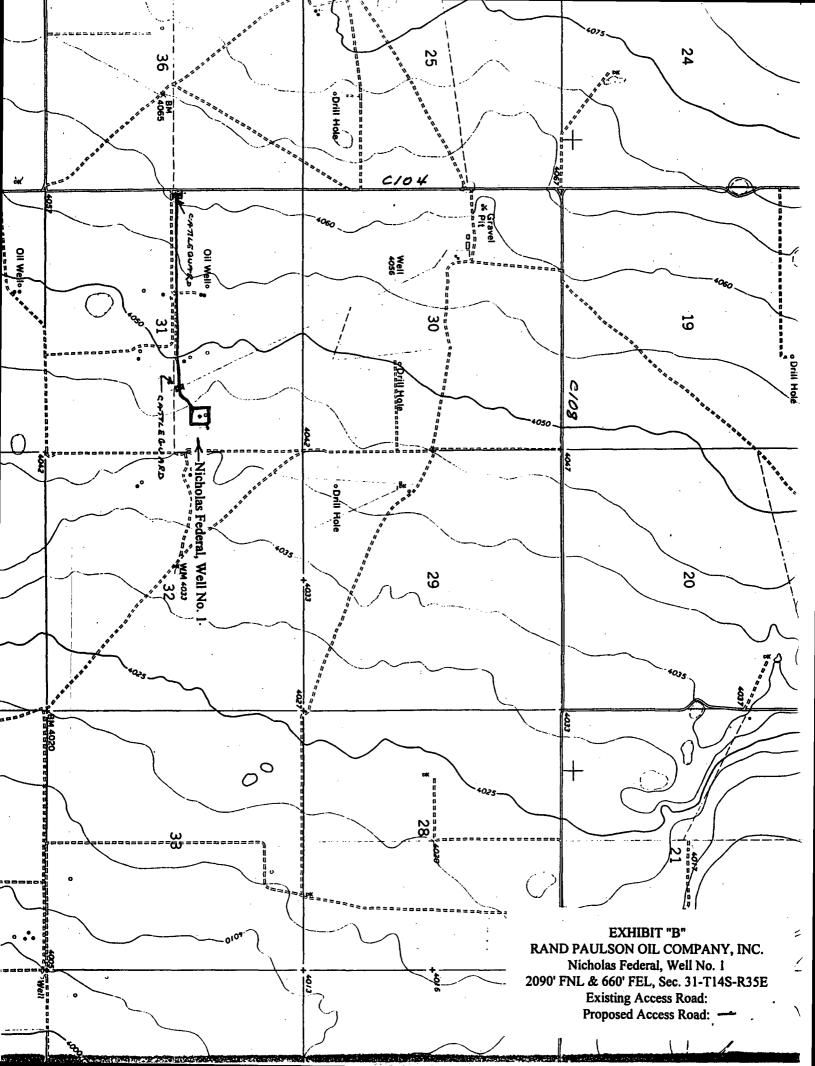


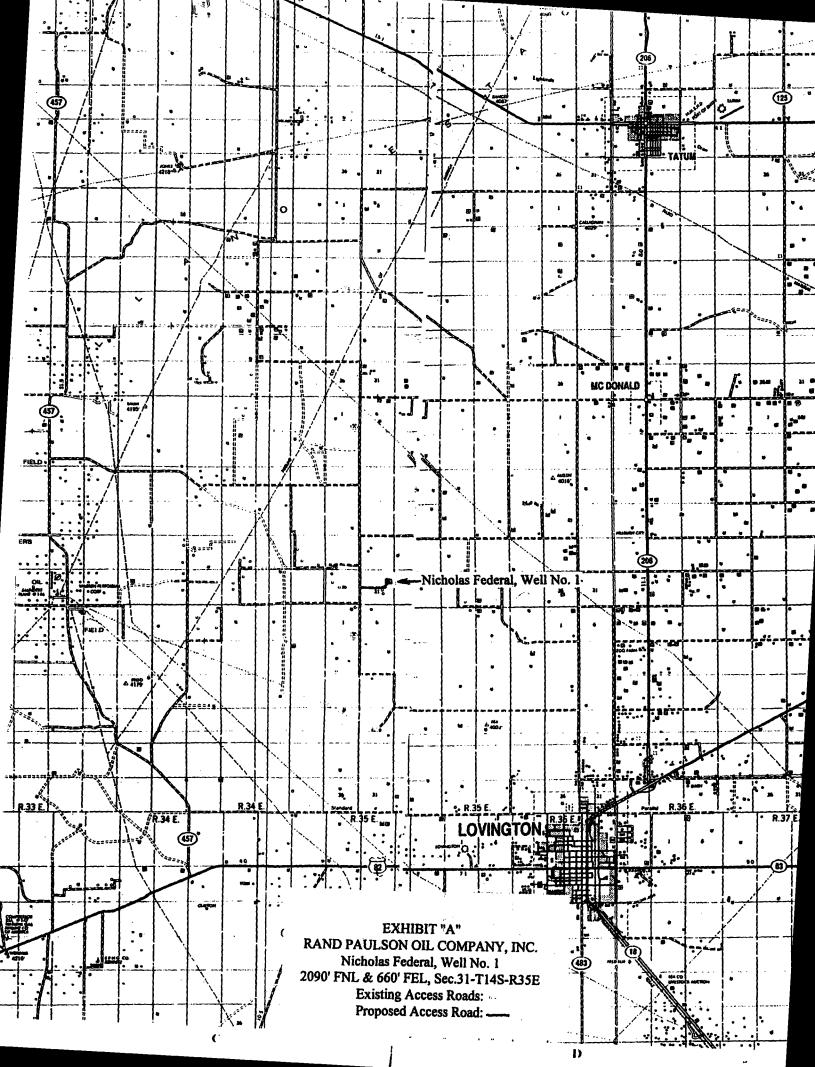
EXHIBIT "D"

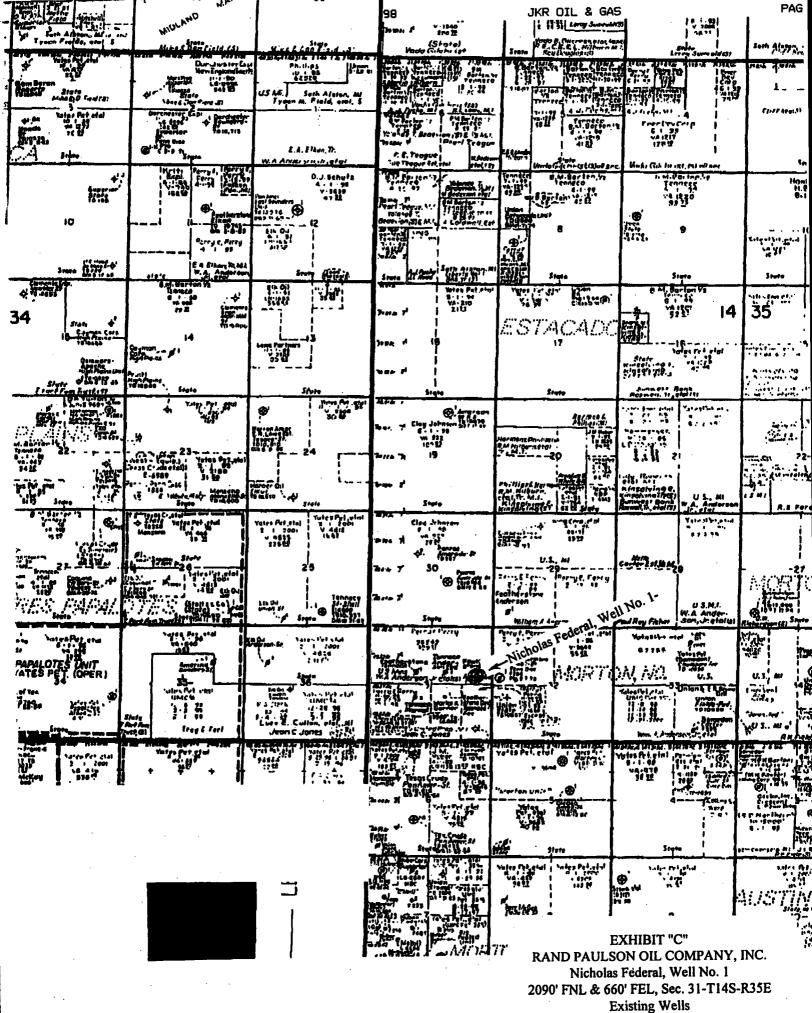
RAND PAULSON OIL COMPANY, INC.

Nicholas Federal, Well No. 1

Pad & Pit Layout







	Apply Service and G Reference and Terrison of 125 o	H.E. Yotes, artist 1 - 1 - 50 V - 1540 103 EZ	A. Frieds, M.I. 4 Samedon 1 1 90 V-1946 208 EB	KE Totas a of	Armoco 1 - St 16-con segs	Yetes Ener. 9 totas Ener. 6 • 8 • 84	Social Security Half Co.	Sincion De la constant de la constan
	Trages F. E. Toogue For Trages Law and College For Trag	HodoGilchi tet Sput sec	Hoto Gilchrist (t) ellect. Seeades 1 1 90 V-130 ttell	Henried Gil H.S.P. 8-1991	College Barrier Barrie	T. M. Seedl Survey 4 - 1 - 94 Energy 5 - 1 - 94 Energy 5 - 1 - 94 Energy 6 - 1 - 94 Energy 6 - 1 - 94 Energy 7 - 1 - 94 Energy 8 - 1 - 94 E	State Marketter Fricherster (4) American Richerster (4) American Richerster (4) 4444. American Richerster (4) 4551	Amoco 8: (8-15 1-2657 1-2657 1-865 W:7
	Four Troppe X.1. She in 144 dis Tolone X.1. She in 144 dis Greenian (SE ALL A Catalanti,	9	. 69' mask	R O. Comon R O. Comon	State State	U.S., My HNG HMG	ME Varies and 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	W/Z
3	State of Party Sept Allery Mil	Season Upon	Styre Signeder alai	South Cliff Key	Special Special Alberta, MI Cliff May Flag-Redfort, cli-	51.725000 71.000000000000000000000000000000000	Provide Marchall Provide Marchall Provide Marchall Provide Marchall Provide Marchall Provide Marchall Provide Control Provide Marchall Provide Control Provide	So.Unio
4	Topic of 19	ESTACADO	14	35 ************************************	1:947 E: 8: 13	Angelië Aut et 121 Frankle Martylijk et et U.S., Millenen et li	Crahin Horis	LG-3:
T 14	Septe	Maria Pro-	Storie Storie And And And And And And And And And An	March 19 (27) Ma	HE brieg shall 0-6-07 Jalon Prod. 1004 0-10 J.L. Kidd, Jr. 100 7001	H.E. M.E. 10-10-10-10-10-10-10-10-10-10-10-10-10-1	Store Pages 92	Phillips
S	Many of Face States of Tables of States of Sta	The second secon	Votes Gazarda V- 57 - 50 6 - 57 - 50 6 - 57 - 50 6 - 57 - 50 Homomorata HIT 6 - 1 - 50 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150 BTO-150		Political State of the Control of th		Control Play Studiers State State To 1, 70 To 1,	Men.
33°05'	Mongaro 1129	Phillips was a series	R.E.Hilbert (b.Co . Lelly Roberts Ctal, McL Marco Spauld-	22 Hills	ALE Vorge Carbon (s. Ac.) 14. E. Francos (s. Ac.) 14. E. Francos (s. Ac.)	(Cores M.C. Votenstell Votes Core, child	Fleg- 1 Feb. Thereform 8 Fleg- 1 Feb. Physics Fleg- 1 Fleg-	
	State MAGA Extent V. 1020 Breat 1 2005	Addition of the control of the contr	Ing Valef Summer flunk Resured Tr, csi Textoo ID-10-80 Valeful U.S. all W.A. Amisroen Valeful Valeful 0 1 96 612 98	Bubels MIDE	Tong Period All Property Company Compa	C.E. Granm (3) Koneto B. Nichols Wooden Co. See To Lagrange Co. S	AC Hormoon, P. MA. Proprinte Montratth.Act. Proprinte Stat Mountaith.Act. Proprinte Stat Mountaith.Act. State State Mountain. Zudde Britane St.	Yotes F
	And Annual Section 19	U.S., MI	Tough and the second se	MORÎ UN,E	State U.S., M. V. Morgan Expl. St. 1981 9-11-90 6-12-85 6-12-85	7:10:07 25 ************************************	# # # # # # # # # # # # # # # # # # #	¦ [
	Septe Suppose	Pacificary Andrews, Jr., atol William A. Andrews, Jr., atol Vetes Pet, stal 1 1 - 50 1 1 - 50 1 1 - 50 1 1 - 50	U.S.M.I. W.A. Ander- Sonyul: etaiss Valuatifut etai 1651 Paga	References State References S	Ella M. Guertz ettel M.I. Petricia Petricia Marteith Cities Service	Marlin J. Wiggins	Advantage RC. INC. INC. INC. INC. INC. INC. INC. IN	
		o E VIORTO	IN, IVI	U.S. M. Orosa Trita	Perfeccion Monrigini Yerles Perfudial	36 . 1.65	7.9.0.7 7.9.0.7 31	
		Printer Alice of the Control of the	Union Address of Constant	SIBAR TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOURSE TOU	6 - 1 - 91 V - 1914 So 19 Snaro R.I. Gruham, et al	ANTIPOPHIS SE 1/2 NO	bus f CeC Stock Farms,(8)	REFERENCE TO SECOND
rest	The state of the s		cred ()	6	Mirchell Eng. HE Yutes 9 21 09 2-1 08 v-606 -	149-16 July 1645 1645 1645 1645 1645 165 165 165 165 165 165 165 165 165 16	Superior Street	RO Mm.
Northwest		A STATE OF THE STA	Vales Only	Compt Co. A	To the state of th	H.F. Yorkes M.E. Y	Scorior Superior 9-0-94 9-1 94 pole 1-9-19 1-9-19 1-9-19 C.Exadels	Delta 1 18
EA,	Company Gri. Westin Drig	Kerr McGee Kerr-McGee	State 15 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RAFAMIS)	(Yates Energetal) Whites Energetal	J. L. Homphus, et al (5) Fine-Radierri Volut Exer, et al et	Lignum Oil, 12 M. and J. S. Append of Superior S	H V. Cou
		8 Votes Petable Pt 1: 1: 9	9	4 4 5	Christer Con Con	GOODRICH UNIT	Jos. L. Reed Est Kindel, et al, M Maries Ref. et al Superior V. 1895 9 7 8 4	
	Tamen @ Name of the second	TON Steen		Vates Pet 10 - 8 - 80 Glana Clergland, stul Euron 2 - 29 - 30 4 - 11 - 62	State IR Generich Unit State IR D. Geodrich M. L. State IR State I	Roby D. Goodwich, etc. M.L. Sympo W.O. Section for Co. TELOCO Voice Engrand 10:-69 3:46-61 60 31 4-61	Store Jas. L. Reed Est. 188 - Transport Store S	() () () () () () () ()
	Gr. Western Gr. Western F- 7884	Yorkey Port, shell 2 : 5 : 85 Ger Westin Drick Ger Mestin Drick 5 : 5 : 6 : 6 : 6 : 6 : 6 : 6 : 6 : 6 :	Votes Per stat 9 - 1 - 60 16 - 1770	5.80 M	U.S., AU J. D. Haythornets) Mitchell Base	State 3	Sione B	Orren 8 1496 -
T 15	*Town State 10 CA Forterio((3)	Glenn Cleveland		Gos. B. Serr, end, M. Glenn Cle-cland	V - 1999 15055 State g: 0. Ad Warner (3)	8-18-67 2-18-67 3-4-60 2-7-87 Rob's, D. Goodich, MI M.D. McMarter (0)	First NatiBit, Leo Co. Tr., M.I. Jos. L., Bood, Est minis	
S	lax oco	Mobil Amoco 12 - 1 - 92 NBP V - 2459 L-2439 418 22	15	35 Engle	Michael Ener. Virginia 1251 Michael Carr 1252 Michael Carr	Sun 1 50 52 Sun 1	9 29-92 bare F	E.B.Por.
33900'	Prince Terreco	Sun Mirchell Frem. Vill 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Yartes Part. 6 - 1 - 91 V-1060 3082	## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22 ## 22	Mirchard Entr. 30-0 - 20-01 7 C.M 20-01 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20-00 10-20	Fired Most Br	To the second of	Small Unior Fishe TO 10
	1953. (************************************	C.A. Fort etu((s) Sun 3-1-32 Vel 1-32	C.4. Shafe Fort, engs) Value Petreli Guli 7-1-491 HBP 1-124 E-2431	State T.C. M. Ref., Inc. (5) Gas Prod. Septraling Ent. (4-842)	State T.C.H Rch.knc.,53 Midchell Ener. 6 23 - 91 6 - 16 - 91 1 - 14 - 89	HNG 11 - 19 - 87 Erley Firt.elsd 2 - 1 - 83 V 292 Self.	W114 #	Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldin Caldina Caldina Caldina Caldina Caldina Caldina Caldina Caldina
	State CA for (etal (g)	E TOWNSE	Victor Pet And W. W. Surrey Vi	Minchell Euer. 27 Manual Longton Victor 1917 Storie 1917 T. G. H. Richa ton 281	Name of the Carlot of the Carl	J.L. RevelsEst Marie Od State Corp. Palamine Od State Corp. Palamine Od State Corp. State	Surface State Stat	
	Normal September Committee	(ad (ii)	Some Repurple North	Mary Cree	ARCO	BERS TORK		Z
	was still never		St. Dist St. Chall	g Hegg le general		Manard Viva and		**

٠.

•	HNG 1 NG 6 Ger 4-20-8 8:87 9:18 Vado Gilchrist(s)	Union HNG 10-18 4-120-87 A. B. deha, MI	Flag	Cliff Key(S)	• •	D. Morris J.M. Ser-	RICHARDSON UNIT
1	100-Redfern 21-12-12-12-12-12-12-12-12-12-12-12-12-1	5. H.E. Yates _s etal 1 · 1 · 90 V · 1349 103 27	A.J.Fuchs,MJ. 4 Sumedon 1 90 V-1348 206 23	H.E. Yotes, etc!	Amoco 9 1 es 16-13M 36gr	Yates Ener: Yates Ener: 6 · 19 · 84	Storte Storte Storte
	F. E. Teague Myony Wivian Mc Doug old (8)	Hilburn Vada Gilchrist (S) all sec.		Store	State, MI Cliff Key	wood, MI M.E.Powell, M.I. Chas.E.Brehm(s)	Shorte M.I. J.W. Richardson Richardson
	Texaco 1 18 2 2 18 2 1 18 2 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 2 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1 18 1	Yolande T. CNG Prod. Bedevier, J. E. 199 12. H. 1959 Union 82.55	Samedan 1 · 1 · 90 V · 1350 12815	Hantad Gil H.B.P. B-1581	Torted Mr. and R.O. Conon 9:1-51 8 · 20 · 57 30 23	T. M. Beall Europa 4 · 1 · 34 Ener. 57288 7 · 1 · 32 1 · 16886,	HE Yates, etal
	exaco HNG H.E. Yates	Union PE EE EST CONTROL LIMIT TO UNE TO THE	(⊕) Union State 9 101136 00.2749	Yartes Pert, et al R.O.Conon 8 · 20 · 67	State Yafes Eng.,etal	U.S., M HNG HNG 12.7.89 17.19.65	State 40092 Water Griffin & Burnett Yales 12:10:88 8041
ļ	Texaco	MGF 8-3-84 Adv.C.m. A	State	2-1-91 V-1763 81 12 State Cliff Key Seth Alston MA	7 · 10 · 97 Reportly Making Caulal Sorth Allston, MI Cliff Key	J.M. Small J.M. Small J.M. Small M.E. Powell Mand, MI Chas. E. Brehan (3)	Frankie Monteith First Int. Bok. Frankie
	JM Huber Texaco	MGF Signature Commission	Samedan,etal	Yotes Energetal	N.E. Yates Flag Redfern, eta etat	Chas. E. Brehm (3)	NCRA, etal NRCA
į	137 67	ESTACADO	Socia M. R.M. R.M. Milburn, STOLTE 16	33	7.9.67 7. 8. 83 6. 8. 83	Romedon Fig. 1	Yorsetal 16 80 Yorse Pea We be 4 7 Good Pea Frankie Manteith Frankie Figst Int She Monteith Monteith Control
	10 10 10 10 10 10 10 10	Monsonto 11 - 99 1 - 99 2404	State Harvey Yates et al State E. 1: 90 R.W. Hilburn 1950 set 1:25 93 Marcio Spauld- Ing 45:13 4044	R.W. Hilburn 13 (3)	H.E.Yates, etal 8-6-87 Mark Prod. 1535573 0/46-10-14	U.S., M. Connect (20) H.E. Yorkes H.E. Yorkes H.E. Yorkes H.E. 13 H.E. Yorkes	G.M.Cone (HBC) Votes
	State	State J. M. Huber	Sunwest Bank Roswell, Tr. (8)	Morcio Socialding Vis (s) Sunwest Bank Roswell, Tr. (s) H. E. Yotes	J. L. Kidd, Jr. Bonnie Brown &	Kaneb Carrotte	H#//# 'Cobot Elsa Da AC
5	Amerada S. 1.438 Flag-Redfern E, TO 19038 10 44: 7 Sun, Expl. 9 1 92	Harmons Phillips In R. M. Hillips In R.	Yates Energetal 7: 27: 89 8: 27: 89 62 2 96 Hammonds 6. Hills 1: 86	6 · 19 · 60	Dorden ball PLL Tunnelletel Mil. Ches N. Tunnell, M.	Yates Ener, et al. 135 CT 137 137 137 137 137 137 137 137 137 137	TOIATIN V. 1915 YOTES
	Monsento Monsento	77. 56 M.1. — 20 Varios Par. 2.1.91	LDDouglas 5-17-85 5-17-85 21 5-18-85 21 5-18-85 21 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85 5-18-85	C.L. Frans	R.C. Tales, 910 16-08 7-6-89 - 6-69 Donner Bonnie Brown, G.E. J. Jarden, J. Jackson Bern M.L. Turmer, et al., Mi H.E. Yafe S, et al. 2 Donne Darden /s M.I.	Maneb HE Yorkes et al	Flag-19 Flag-
	7 2144 2144 2144 2144 2144 2144 2144	Phillips & Harman Yates let Champlin	Lily Roberts ctal, M.L. Marcia Spaulding 1919 Sunwest Bank Roswell Tr.(S) Jr. etal	SI DA	Dona Dorden's M.J. H. L. Tunnell, M. A.B. Cox, et al, M.J. M.E. Powell	Yotes Ener, etal) 8 - 9 - 90 8 - 9 - 92 8 - 1 - 99 8 - 1 - 89 10. Hunter ⊗	Sopre HNG 0-3-84 102 2 RC Hannah Tr. MI. Frankie Monteith.M.I. Stole First Inf. Bak. Albuquerque
	Exxon	Енгора Елег	Texaco YatesPet,etal 9 - 1 - 96 62 2 85	R.E.Ford 3699 Hrubetz MGF 8:1-90 1-9-8460 31129 3613 Champlin	H.E.Yatesetal	Blackwood Kaneb £ Nichols	4/J747 HNG
	American St.	Lurspecture 15866 Alreadent-Fed 15866 U.S., MJ	Correr Est 16 M20	Sille Sci S Champlin	Yares Pet, etal 61997 M.L. Brown, h 6 1 92 Federal 7 2364 T011005 0A1-29-77 Store U.S., MJ	0A 12: 5: 54 H. E. Yates, etal 7: 18: 07 6: 7: 87 25 10: 2: 87	distant of the state of the sta
	Read f. Stevens Amer. July 62 St. To 10 700 St. To 10 70	Featherstone Anderson	Texaco 10 -18-88	MORTONE	Moran Expl. 1 Yates Pet, et al. 12: 7: 87 9: 1: 95 8: 1: 95 6: 2: 2: 35	,	
	262 20 Style 44.44 / Read & Bigyers	William A. Anderson, Jr., etal Yates Pet_etal Yotes Pet., etal	V.S.M.I. W.A. Ander- Son, Jr. et al (3) Yetes Pet. et al (4)	Samedon Sickardson Sickard	Ella M. Swartz etal, M.I. Patricia Monteith Citias Service	Marlin J. Wiggins	A STAR OF RC. HNG HONORTH MI. WING HONORTH HIS WING FIRST INT BINK AND START OF START A START OF STAR
	65197 KBS KBS Senter Partner Featherstone Ander-Feather Fernish W.A. Anderson, Jr. etalisi Application W.A. Anderson, Jr. etalisi Application	V-1569 V-1681	6 2 2 5 (Somedon)	57200 (Pages 1010678 Laston) Notes	(2 · 1 · 87 11 · 29 · 67	WAR 8-1-85	€173 tr 2 ° °
	W.A. Anderson Jr. etaliss And Park W.A. Anderson Jr. etaliss And Park W.A. Anderson Jr. etaliss And Park MNG J. 100 Temporal And Continued Tomas Del 4 11 90, Marriers Temporal Tempora	MI HNG	U.S. Enron Union's ER Bosno	U.S. MI Union 340 West (Vnion) 51845	Monteith 35 Yates Pet, etal	Mide and 36	71,81AC \$ 31
	2 25 00 Terracco Wilder of Stone One 4 13 00 Married Company of Stone Children Company of Stone Children Clay of Stone William Cleveland; \$120.00	(511-87 11-2-86 872 96 Adobe	6 14-90 Union 11 17-98 Fields Fed. 9-20-66 T0 108-65 SamedanState Wm. A. Anderson, Jr., et al.	Janes-Fed Melisar 1949 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941 - 1941	V + 1914 50 92 State R.L. Graffam, et al	May a sendrich, find J. L. Rood, J. Reed S & 1/2 MJ	Time of CEC Stack Farms.(3)
	Votes Per 13 J.M. January 10 10161 August 10 1	427/Ac \$122544 \$ 41945 \$2556 . / Car 050 ba \$2565 \$425 \$425 \$425 \$425 \$425 \$425 \$425 \$42	4104Ac.4 4151Ac. 8 4170Ac. 2 4150Ac. Samedon Samedon Same	Surredon Mitchell Full (3-11-51)	Mitchell Ener. H.E.Yotes 9 22 89 9 1 88 V 686	4-15-87 12-6-88	Superior Yotes Superior Yotes 9-7-84 2-22-84
	Hampary Texas Crude 10 10 10 14 14 14 14 14 14 14 14 14 14 14 14 14	· · · · · · · · · · · · · · · · · · ·	25 15 Cisco Diec. 7 70 10 850 Americado - 51 4 (Americado	Kanabaya 6.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30 1.5.30	Penrose Fairweather 179(4.890 1741-30.54	Rob't. D. Goodrich, 42 M.I. J. D. Hawthorne (5) E. M.I.	1989 Ar 5 IJ.K. Blockmor, MM Net tie Lowe, Pa Mi J.L. Reed, ISSEM
	Hodson Pet. Huger Adobe 135 (4-137) 5:1-30 136 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137 (5-14-137) 5:1-30 14-137	Cox Oil fa	Ygtes (D/R) 9 67 / Mitchell 16-4075 6 70 71 72 73 74 75 75 75 75 75 75 75	Kaneb Oe, G (19.50)	Flag-Reafern Gulf Verest Ener, chai J.M. Huber Corp. 13-24-97 3-9-87	H.E. Yates No. 10:1:95 Tenneco 10:1:95 3:1:95 3:4:055 13:19 Registerio: (State)	8-10-84 19-7-84 Viola Burka 10-23-84
	JAM Huber Tex. Crude (1988) 21-199 Pan Amer St. Step 1982 189 Pan Amer St. Step 1982 189 189 189 189 189 189 189 189 189 189	Kerr McGee Kerr-McGee	Store (12.17.9)	G.T.BB NIM WIZ DIMOSPEZ Som Owengetol M.I. J.L. Reed, Est., M.I. R.K.Field (5)	(Yates Ener.etal) Yates Ener.etal		Lignum Oil, ½ M. atal J.L. Reed Superior Superior
	G-138 _ HBC Union Stonger	V-467 V-486 SQLEP	Yorkes Pet et al 10-1-36 LG 3798 32 19 32 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50 19 50	764181 5.1-87 LG-4181 42.25	MBC W/2 LG 40B6 (Million 0066)	5 -7 -67 3 - 26 - 67 2 - 7 - 67 2 - 7 - 67 11 - 24 - 84 11 - 24 - 87 150 99	Superior Superior 8:10:84
	the state of the s	8 Yates Pet, etal 11-1-86 16-3959	9	S/e/s,M.i.*	M.I. Polly Mossey, (5)	GOODRICH UNIT.	Jas. L. Reed Est Kindel, etal, M work 1 Yates Pit, etal Superior V 1924 9 1 94 94 94 94 94 94 94
	Haber Mobil) TO TO AC (450 20 11048 A Fish State Fish Genn Cleveland	DeHa-US St. 36 56	Stepte	9 · 6 · 90 8 · 6 · 90 Yates Pet 10 · 3 · 90 Glenn Clevelond,etal	Christen Durand Son Pat . (A) 1-187 11 101 LG 4790 Th 1004-3 BY ET MONEY From Condrict Unit* R. D. Goodrich M. I. W. D. And Whorter (3)	Coalson TD14482 19/10 12:462 19/10 12:462 PRob Y. D. Goodrich. etal M.I. Stelle W.D. McWharter (S. Stelle	39 97 Ac 4
	(Texoco) Permo, O HAP Penno, Diac, Fiss	W.W.Perry 12 - 18 - 50		Exxon 3 · 29 · 90 4 · 11 · 20 4 · 19 · 20	Mobil II - I - ee 28849	Texaco Yates Eneretal 10.1.88 3.28.87 2.16.87 60.12 2.7.87	1119 47 /7 HNG Yetes Pet. etal 7 - 7 - 88 9 - 1 - 92 12 - 10 - 66 1
	Gr. Western g-7884 Gr. Western g-7884 Gr. Western g-182 v-408 "State"	Ygtes Pet etal 5 76 90 5 89 5 89 Grt.Wesm Drig. Grt.Wesm Drig.	Yores Pet.etal 9 · 1 · 86 LG · 9728	5-31-90 	U.S., MI J. D. Hawthorne(S)	State - 13-	State 8
╻┃	Yates Pet etal	Grt.Westh Drig. Grt.Westh Drig. 9-9-84-9-10-84 11-8-84 11-6-84 10-3-95 122 of 824	Sendinguisers Personal Persona	Exxon 4 · 30 · 90 4 · 11 · 70 4 · 21 · 90	Mitchell Ener: 9 · 1 · 91 V· 1958 150≦2	Yates Ener.etal Yates Ener.etal 9-28-97 2-16-97 3-4-90 2-7-97	HNG 92-86 7-7-88 11-30-85 5-2-86 11-30-85 4-19-86 GriffingBurnett 35-58-27 12-26-89
5	**Town** State	Glenn Cleveland	5005	Goo. B. Scart, etcl, MI Glenn Cleveland MitchellEper.//1. Yotes Pet.	State (y.D. McWhorner(3) Minchell Ener. 3 1 3 1 1 1 Minchell Ener.	Rob's, D. Goodrich, MI W.D. McWharter (5)	First NortBk., Leo Co. Tr., M. I. Jon. L. Reed, Est win Glori Metanlintro HNG Orion
S	Gr.Westh Sun 5-1-92 V-23i3	Mobil 12 · 1 · 92 HBP V · 2495 L-8890 418 75	Sun Amoco 9:1:99 V:2492 V:2492 GB 75 I 5		V-1959 12562 (Mitchell Ener. 6-25-91	5 92 92 5 90 92 5 90 92 5 30 92 Doris V. Ratliff halin 1 J. V. Reed '4 Min	7-7-86 9-29-92 Vac 4 7
200 ,	72 19 72 19 Tenneco Tenneco 4-1-92 1-192 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193 1-193	Sun Mitchell Ener. 9 1 92 71 123 4 2431 9 1 975 143 19	2] Yates Fet, 6 - 1 - 91 V - 1860		1.69 1.69 1.8 Norte Ed In Michael Ener. 1.390-87-587 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.20-87 1.2	DR Box 2 V. Reed Va Min	# #44 1 19 19 19 19 19 19 19 19 19 19 19 19 1
	Marghan Stote C.A.Fort, etails	5-2431 318 25 State C.A. Fortetal (s)	C.A. Stote	V-1969 2969 State T.C. H. Reft., Inc.(5)	TED-106 [3]	Firel Not'l Bk. Leg Co.Tr. J.L. Reed, Est.	pares 138,89, indrestrationalings durings Because Robert Robert Jane Watkins,M
	No. Amer. Roy. 8 · 1 · 92 V · 2405	Sun 9 · 1 · 92 V · 2433 68*2	Vates Pet,etal Gulf 7 - 1 - 89 HBP V-1124 E-2431	Gas Prod. Chambers of 2 Ent. 10:0850	Mitchell Ener. 6 · 25 · 91 6 · 16 · 91 7 · 14 · 89	HNG Yates Pet.etal 2 : 1 : 93 V : 2520 5621	42)4c //
	20122 State CA.Forl,etal(S) 2014 30	5144a	C.A. For left		J. L. Reed Est.	J.L. Reed, Est	First Nat'l.Bk. LeaCo.Tr Lipstylled 1 los. L. Reed, Est.
	/	The party of the p	Yates Pet etal W.W. Perru	9 1 - 91 V - 1893 State 17572 T. C.H., Rch., Inc. (S)	Harper € 10-24-90	Apache Corp. Palemino Oil 9 26 07 9 10 Moore (A) Happer Oil	10 2 97 9 26 31
	(aswell Farms	w.w.snipley,eval	Lea Co. Tr. (S)	T Volume	T.C.H.Rch.lnc. W.M. Snyder	W. T. Reed Co. Tr.	CircrionOGG, et al \$29-87 9:70 WA F 7 9:00 M.J. Wiggins M.J. Wiggins
•	Mitchell Free.	(Hood Oil)	MG/ 41-93 41-93 42-93 31-27-92 31-27-92 31-27-92 WC Dist. Delitchell	York Charles C	Yates Peteral; HNG "1/arrock	3 92 Mailard Bartholomy Thio 835	H A A A A A A A A A A A A A A A A A A A

```
00157
               PROCEDURE DIVISION.
00159
                   OPEN INPUT EMPLOYEE-MASTER-FILE
00160
                       OUTPUT REPORT-OUT-FILE.
00161
                   MOVE CURRENT-DATE TO REPORT-DATE.
00162
                   READ EMPLOYEE-MASTER-FILE
00163
                       AT END
00164
                             MOVE "YES" TO END-OF-FILE-SWITCH
00165
                             MOVE 000 TO GRAND-EMPLOYEES
00166
                              WRITE REPORT-LINE FROM GRAND-TOTAL-LINE AFTER 2.
00167
                   PERFORM PROCESS-JOB-CLASS
00168
                       UNTIL END-OF-FILE-SWITCH = "YES".
00170
               PROCESS-TOTAL.
00171
                   MOVE WS-GRAND-CNTR TO GRAND-EMPLOYEES
00172
                   MOVE WS-GRAND-GROSS TO GRAND-GROSS-PAY
00173
                   WRITE REPORT-LINE FROM GRAND-TOTAL-LINE AFTER 2.
00175
                   CLOSE EMPLOYEE-MASTER-FILE
00176
                          REPORT-OUT-FILE.
00177
                   STOP RUN.
00179
               PROCESS-JOB-CLASS.
00180
                   MOVE EMP-JOB-CLASS TO PREV-JOB-CLASS.
00181
                   PERFORM PROCESS-EMPLOYEE-DETAIL
00182
                       UNTIL END-OF-FILE-SWITCH = 'YES'
00183
                        OR EMP-JOB-CLASS IS GREATER THAN PREV-JOB-CLASS.
00185
                   MOVE PREV-JOB-CLASS TO SUB-JOB-CLASS.
00186
                   MOVE EMP-CNTR TO SUB-EMPLOYEES.
00187
                   MOVE WS-GROSS-PAY TO SUB-GROSS-PAY.
00188
                    WRITE REPORT-LINE FROM SUB-TOTAL-LINE AFTER 2.
00189
                    ADD EMP-CNTR TO WS-GRAND-CNTR.
00190
                    ADD WS-GROSS-PAY TO WS-GRAND-GROSS.
00191
                    ADD 2 TO LINE-CNTR.
00192
                   MOVE ZERO TO EMP-CNTR.
00193
                   MOVE ZERO TO WS-GROSS-PAY.
00195
               PROCESS-EMPLOYEE-DETAIL.
00196
                    IF LINE-CNTR IS GREATER THAN 54
00197
                        PERFORM WRITE-HEADINGS
00198
                    ELSE
00199
                        NEXT SENTENCE.
00201
                    ADD 1 TO EMP-CNTR.
00202
                    ADD EMP-YTD-GROSS TO WS-GROSS-PAY.
00204
                    MOVE EMP-NUMBER
                                         TO DTL-EMP-NO.
00205
                   MOVE EMP-LAST-NAME
                                         TO DTL-LAST-NAME.
00206
                    MOVE EMP-FIRST-NAME TO DTL-FIRST-NAME.
00207
                   MOVE EMP-MID-INITIAL TO DTL-MID-INITIAL.
00208
                    MOVE EMP-SS-NO
                                         TO DTL-SSNO.
00209
                   MOVE EMP-JOB-CLASS
                                         TO DTL-JOB-CLASS.
00210
                   MOVE EMP-YTD-GROSS
                                         TO DTL-YTD-GROSS.
```

 \oplus