

STATE OF NEW MEXICO
 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
 OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY)
 THE OIL CONSERVATION DIVISION FOR THE)
 PURPOSE OF CONSIDERING:)
) CASE NO. 13,199
 APPLICATION OF MELROSE OPERATING COMPANY)
 TO REINSTATE AND AMEND DIVISION ORDER)
 R-11,720 FOR ITS ARTESIA UNIT WATERFLOOD)
 PROJECT, EDDY COUNTY, NEW MEXICO)
)

OFFICIAL EXHIBIT FILE
(2 OF 2: Exhibit 2)
EXAMINER HEARING

BEFORE: MICHAEL E. STOGNER, Hearing Examiner

January 22nd, 2004

Santa Fe, New Mexico

This matter came on for hearing before the New Mexico Oil Conservation Division, MICHAEL E. STOGNER, Hearing Examiner, on Thursday, January 22nd, 2004, at the New Mexico Energy, Minerals and Natural Resources Department, 1220 South Saint Francis Drive, Room 102, Santa Fe, New Mexico, Steven T. Brenner, Certified Court Reporter No. 7 for the State of New Mexico.

* * *

Melrose Operating
Artesia Unit Waterflood Expansion Application
Eddy County, New Mexico

Offset Operator Notification List

Vastar Resources
15375 Memorial Drive
Houston, TX 77079-4101

Yates Drilling Co.
110 S. 4th ST, Yates Bldg
Artesia, NM 88210

Marbob Energy
PO Box 227
Artesia, NM 88211-0227

Fulton Co.
PO Box 1121
Artesia, NM 88211-1121

Mewbourne Oil
PO Box 7698
Tyler, TX 75711-7698

Mack Energy
PO Box 960
Artesia, NM 88211-0960

Laure, C.E. Muncy
PO Box 1370
Artesia, NM 88211-1370

Yates Energy
PO Box 2323
Roswell, NM 88202

R.B. Operating
5100 E. Skelly, Suite 650
Meridian Tower
Tulsa, OK 74135-6549

Brothers Production Co.
PO Box 7515
Midland, TX 79708

W.E. Jeffers
PO Box 65
Artesia, NM 88210

Sandlot Energy
PO Box 711
Lovington, NM 88260

B & W Oil Co.
R-252 N. Haldeman Rd
Artesia, NM 88210

Vintage Drilling
PO Box 158
Loco Hills, NM 88255

BP Permian Business Unit
501 Westlake Park Blvd.
WL Suite 200
Houston, TX 77070

Louis Dreyfus Natural Gas Corp.
14000 Quail Springs Parkway, Ste 600
Oklahoma City, OK 73134

Devon Energy Corporation
20 North Broadway, Suite 1500
Oklahoma City, OK 73102

Aspen Oil
2625 N. Albertson Dr
Hobbs, NM 88240

Warren Hanson
342 Haldeman Rd
Artesia, NM 88210

Dominion Oklahoma-Texas
1415 Louisiana Ste 2700
Houston, TX 77002

Ricks Exploration
210 Park Avenue
Oklahoma City, OK 73102

Doyle Hartman
500 N. Main
Midland, TX 79701

SDX
PO Box 5061
Midland, TX 79704

Surface Owner:

Bogle LTD
PO Box 441
Artesia, NM 88210

State of New Mexico
Commissioner of Public Lands
PO Box 1148
Santa Fe, NM 87504-1148



marbob

energy corporation

December 19, 2003

Mike Corjay
Melrose Energy Company
5813 NW Grand Blvd., Ste B
Oklahoma City, OK 73118

Re: D State No. 35 (Formerly Empire Abo Unit G-38)
2310' FSL & 1650' FWL, Section 35, T17S, R28E
Eddy County, New Mexico
Recomplete from Abo to Yeso

Dear Working Interest Owner:

Marbob plans to take over the Empire Abo Unit E-40, rename it the D State No. 35, plug back from the Abo to the Yeso, and complete the well in the Yeso.

We propose to perforate the Yeso and pump an acid frac treatment. Please call if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Collins", is written over a faint, larger version of the same signature.

Brian Collins
Engineer

BC/mp
Enclosures



marbob
energy corporation

Long/Carroll Retained

December 19, 2003

Mike Corjay
Melrose Energy Company
5813 NW Grand Blvd., Ste B
Oklahoma City, OK 73118

Re: D State No. 34 (Formerly Empire Abo Unit E-40)
660' FNL & 660' FEL, Section 35, T17S, R28E
Eddy County, New Mexico
Recomplete from Abo to Yeso

Dear Working Interest Owner:

Marbob plans to take over the Empire Abo Unit E-40, rename it the D State No. 34, plug back from the Abo to the Yeso, and complete the well in the Yeso.

We propose to perforate the Yeso and pump an acid frac treatment. Please call if you have questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Brian Collins". The signature is fluid and cursive, with the first name "Brian" being more prominent than the last name "Collins".

Brian Collins
Engineer

BC/mp
Enclosures



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

March 5, 2003

Melrose Operating Company
5813 NW Grand Blvd.
Suite B
Oklahoma City, Oklahoma 73118

Attention: Mr. Michael J. Corjay

Re: Division Order No. R-11720.
Artesia Unit Waterflood Project
Eddy County, New Mexico

Dear Mr. Corjay:

By Division Order No. R-11720 dated February 5, 2002, the Division authorized Melrose Operating Company to expand its Artesia Unit Waterflood Project by converting an additional fourteen (14) wells to injection. Injection was to occur into the Queen-Grayburg-San Andres interval of the Artesia Queen-Grayburg-San Andres Pool. Pursuant to the provisions of this order, injection into any of the fourteen (14) injection wells was not to occur until such time as the thirty-four (34) area-of-review wells, identified on Exhibits No. B, C, D and E of Order No. R-11720 were re-plugged, re-cemented, or otherwise demonstrated to the satisfaction of the Division that the wells were adequately cased and cemented so as not to serve as conduits for fluid to escape from the injection formation.

An examination of Division Form C-115's shows that injection into the Artesia Unit Well No. 44 (API No. 30-015-01796) re-commenced in April, 2002. A further examination of Division files, and a conversation with Mr. Tim Gum, the supervisor of the Division's Artesia District Office, demonstrates that no remedial work has yet been conducted on the thirty-four (34) area-of-review wells.

In addition, Ordering Paragraph No. (4) states that injection into the Artesia Unit Well No. 44 was not to commence until such time as the production casing in the well was cemented from the existing cement top to the surface. An examination of the well file for this well shows that this work has not been done.

It appears that Melrose Operating Company is injecting into the Artesia Unit Well No. 44 in violation of Division Order No. R-11720.

Kellatin
@earthlink.net

*Melrose Operating Company
Artesia Unit Waterflood Project
March 5, 2003
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Injection into the Artesia Unit Well No. 44 shall immediately cease until such time as the requirements set forth in Division Order No. R-11720 are complied with.

If work has been performed on the Artesia Unit Well No. 44, or on any of the area-of-review wells described in Order No. R-11720, please forward this information to the Santa Fe Office of the Division.

In addition, Order No. R-11720 contains a provision whereby the injection authority for the subject wells terminates one year after the issue date of the order if the operator has not commenced injection operations, or if the operator has not requested an extension of the permit. It appears therefore, that the injection authority for the Artesia Unit Wells No. 2, 3, 10, 11, 12, 13, 16, 17, 18, 19, 46, 54 and 57 has expired. In order to obtain injection authority for these wells, a new Form C-108 (Application to Inject) must be filed with the Division.

Please advise the Santa Fe Office of the Division of the date the Artesia Unit Well No. 44 was shut in, and any plans Melrose has to comply with the requirements set forth in Order No. R-11720.

If you should have any questions regarding this notice, please contact Mr. David Catanach at (505) 476-3466.

Sincerely,



David Catanach
Engineer

Xc: Ms. Lori Wrotenbery
File-Case No. 12709
Mr. Tim Gum

STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 12709
ORDER NO. R-11720

APPLICATION OF MELROSE OPERATING COMPANY TO EXPAND ITS
ARTESIA UNIT WATERFLOOD PROJECT AND AMEND DIVISION
ADMINISTRATIVE ORDER WFX-768, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on September 6 and 20, 2001, at Santa Fe, New Mexico, before Examiners David R. Catanach and Michael E. Stogner, respectively.

NOW, on this 5th day of February, 2002, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner,

FINDS THAT:

(1) Due public notice has been given, and the Division has jurisdiction of this case and its subject matter.

(2) By Order No. R-2876 issued in Case No. 3213 on March 5, 1965, the Division, upon the application of International Oil and Gas Corporation, approved a waterflood project in the Artesia Queen-Grayburg-San Andres Pool in Sections 25 and 26, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico. This waterflood was subsequently expanded by Division Order No. R-3311, dated September 11, 1967, to include additional lands within Sections 34, 35 and 36, Township 17 South, Range 28 East, NMPM, and Sections 2 and 3, Township 18 South, Range 28 East, NMPM.

(3) The above-described secondary recovery project is currently designated the Artesia Unit Waterflood Project. This project is operated by Melrose Operating Company and currently comprises the following-described area in Eddy County, New Mexico:

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TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM

Section 25: SW/4 SW/4
Section 26: NW/4 SW/4, S/2 S/2
Section 34: SE/4
Section 35: All
Section 36: W/2 NW/4, SE/4 NW/4, SW/4

TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM

Section 2: NW/4 NE/4, N/2 NW/4, SW/4 NW/4, W/2 SW/4,
SE/4 SW/4
Section 3: All

- (4) The applicant, Melrose Operating Company ("Melrose"), seeks:
- (a) authority to expand its Artesia Unit Waterflood Project by converting the Artesia Unit Wells No. 2, 3, 10, 11, 12, 13, 16, 17, 18, 19, 44, 46, 54 and 57 to injection wells (all as shown on Exhibit "A" attached to this order); and
 - (b) to amend Division Order No. WFX-768 issued on November 28, 2000, which order authorized Melrose to convert its Artesia Unit Wells No. 23 and 29, located respectively in Units L and N of Section 35, Township 17 South, Range 28 East, NMPM, to injection wells within the Artesia Unit Waterflood Project.
- (5) BP Amoco Production, an offset operator, appeared at the hearing through legal counsel.
- (6) Division Order No. WFX-768 authorized Melrose to convert the Artesia Unit Wells No. 23 and 29 to injection within the subject secondary recovery project provided that Melrose first:
- (a) cement squeeze the interval from the existing cement top to the surface behind the production casing in the Artesia Unit Wells No. 12 and 13

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located respectively in Units E and F of Section 35, Township 17 South, Range 28 East, NMPM; and

- (b) either cement squeeze the interval from the existing cement top to a depth of 1,700 feet behind the production casing in the Empire Abo Unit "G" Well No. 38 located in Unit K of Section 35, Township 17 South, Range 28 East, NMPM, or demonstrate to the Division that the existing cement top behind the production casing in this well is at or above 1,700 feet.

(7) At the hearing, Melrose testified that it does not seek to amend Division Order No. WFX-768, but rather requests Division confirmation that it has complied with the remedial cement requirements contained within this order.

(8) Melrose's evidence demonstrates that it has fully complied with the remedial cement requirements set forth within Division Order No. WFX-768, and should therefore be allowed to commence injection into the Artesia Unit Wells No. 23 and 29.

(9) Division records indicate that four of the wells Melrose seeks to convert to injection have previously been approved as injection wells within the Artesia Unit Waterflood Project. These wells are described as follows:

- (a) the Artesia Unit Well No. 16, located in Unit E of Section 36, Township 17 South, Range 28 East, NMPM, was originally permitted by Division Order No. R-3311;
- (b) the Artesia Unit Well No. 44, located in Unit E of Section 3, Township 18 South, Range 28 East, NMPM, was originally permitted by Division Order No. R-3311;
- (c) the Artesia Unit Well No. 10, located in Unit C of Section 35, Township 17 South, Range 28 East, NMPM, was originally permitted by Division Order No. WFX-385 dated February 6, 1973; and
- (d) the Artesia Unit Well No. 18, located in Unit K of Section 36, Township 17 South, Range 28 East,

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NMPM, was originally permitted by Division Order No. WFX-470 dated November 21, 1978.

(10) Although injection authority may still be valid for the Artesia Unit Wells No. 10, 16, 18 and 44, these wells were permitted prior to the time the Division made major changes in the process it utilizes to permit injection wells.

(11) The Artesia Unit Wells No. 10, 16, 18 and 44 should be re-permitted under modern Division regulations, and any provisions contained within Division Orders No. R-3311, WFX-385 and WFX-470 relating to injection authority for these wells should be superseded by this order.

(12) The evidence presented by Melrose demonstrates that the Artesia Unit Wells No. 44 and 46:

- (a) do not have surface casing;
- (b) have a cement top behind the production casing at a depth of approximately 1,500 feet; and
- (c) are not adequately cased and cemented so as to protect fresh water aquifers that occur at depths from 0-450 feet below the surface.

(13) Prior to commencing injection operations into the Artesia Unit Wells No. 44 and 46, Melrose should be required to cement the production casing string from the top of the cement (approximately 1,500 feet) to the surface.

(14) The evidence presented by Melrose further demonstrates that the cement top behind the production casing in the Artesia Unit Well No. 54 is at a depth of 2,169 feet. According to applicant's evidence, it proposes to inject into this well through the perforated interval from 2,170 feet to 2,406 feet.

(15) Prior to commencing injection operations into the Artesia Unit Well No. 54, Melrose should be required to cement the production casing string from the top of the cement (approximately 2,169 feet) to the surface.

(16) The evidence presented by Melrose further demonstrates that the Artesia Unit Well No. 57 is currently plugged and abandoned.

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(17) In the event the Artesia Unit Well No. 57 is re-entered and converted to injection, Melrose should be required to set a production casing string in the wellbore and circulate cement to surface on this casing string.

(18) Within the one-half mile "area of review," there are approximately two hundred-fourteen (214) wells that have penetrated to or through the Artesia Queen-Grayburg-San Andres Pool. Of these two hundred-fourteen (214) wells, thirty-five (35) wells are plugged and abandoned, one hundred seventy-four (174) wells are active, and five (5) wells have no data available regarding their construction or status.

(19) Exhibit "B" attached to this order is a list of three plugged and abandoned wells within the "area of review" that are not plugged adequately so as to preclude the migration of fluid from the proposed injection zone.

(20) Prior to commencing injection into any injection well located within ½ mile of the wells shown on Exhibit "B," Melrose should be required to:

- (a) re-enter and re-plug these wells in a manner approved by the Supervisor of the Division's Artesia District Office; or
- (b) provide additional geologic, engineering or well data to the Supervisor of the Division's Artesia District Office that will demonstrate that these wells, in their current condition, will not serve as a conduit for the migration of fluid from the proposed injection zone.

(21) Melrose identified seven (7) potential problem wells that were drilled in the 1920's for which there is limited well construction data on file with the Division. These wells are shown on Exhibit "C" attached to this order.

(22) Melrose has proposed that prior to commencing injection into any injection well located within ½ mile of the wells shown on Exhibit "C," it will run a cement bond log on these wells to determine the cement top behind the production casing. If the cement behind the production casing is insufficient to isolate the injection interval, Melrose will perform remedial cement work on the well(s) in a manner approved by the supervisor of the Division's Artesia District Office.

(23) Melrose has also identified three (3) potential problem wells that were drilled in the 1920's for which there is limited well construction data on file with the

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Division. In addition, the data available indicates that these wells may not have surface casing set in the wellbore. By virtue of not having surface casing, these wells may not be adequately constructed so as to protect fresh water aquifers. These wells are shown on Exhibit "D" attached to this order.

(24) Melrose has proposed that prior to commencing injection into any injection well located within $\frac{1}{2}$ mile of the wells shown on Exhibit "D," it will dig out the wellhead to determine whether surface casing is present in the wellbore. In addition, it will run a cement bond log on these wells to determine the cement top behind the production casing. If the cement behind the production casing is not adequate to isolate the injection zone and protect fresh water, Melrose will perform remedial cement work on the well(s) in a manner approved by the supervisor of the Division's Artesia District Office.

(25) There are a number of additional wells within the "area of review," shown on Exhibit "E," that may or may not be adequately cemented so as to confine the injected fluid to the proposed injection interval.

(26) Prior to commencing injection into any injection well located within $\frac{1}{2}$ mile of the wells shown on Exhibit "E," Melrose should be required to consult with the supervisor of the Division's Artesia District Office and present additional geologic and/or engineering data to demonstrate that the cement behind the production casing in these wells is sufficient to effectively isolate the injection interval.

(27) The supervisor of the Division's Artesia District Office may require Melrose to perform remedial cement operations on any well shown on Exhibit "E" in the event Melrose cannot satisfactorily demonstrate that the cement behind the production casing in these wells is sufficient to effectively isolate the injection interval.

(28) The operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(29) Injection should be accomplished through 2 $\frac{3}{8}$ inch internally plastic-lined tubing installed in a packer set within 100 feet of the uppermost injection perforation in each well. The casing-tubing annulus should be filled with an inert fluid, and a gauge or approved leak-detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(30) The injection wells or pressurization system should be equipped with a pressure control device or acceptable substitute that will limit the surface injection

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pressure to 0.2 psi/foot of depth to the uppermost injection perforation, all as shown on Exhibit "A."

(31) Prior to commencing injection operations, the casing in each well should be pressure tested throughout the interval from the surface down to the proposed packer setting depth to assure the integrity of such casing.

(32) The operator should give advance notice to the supervisor of the Division's Artesia District Office of the date and time (i) injection equipment will be installed; (ii) the mechanical integrity pressure tests will be conducted on the proposed injection wells, and (iii) remedial work will be conducted on any of the wells shown on Exhibits "A," "B," "C," "D" or "E," so these operations may be witnessed.

(33) The operator should immediately notify the supervisor of the Division's Artesia District Office of the failure of the tubing, casing or packer in any of the injection wells, or the leakage of water, oil or gas from or around any producing or plugged and abandoned well within the project area, and should take all steps as may be timely and necessary to correct such failure or leakage.

(34) The proposed expansion of the Artesia Unit Waterflood Project should be approved.

(35) The injection authority granted herein for any of the wells shown on Exhibit "A" should terminate one year after the date of this order if the operator has not commenced injection operations into the well; provided, however, the Division, upon written request by the operator, may grant an extension for good cause.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Melrose Operating Company, is hereby authorized to expand its Artesia Unit Waterflood Project by converting to injection the Artesia Unit Wells No. 2, 3, 10, 11, 12, 13, 16, 17, 18, 19, 44, 46, 54 and 57, all as shown on Exhibit "A" attached to this order. The applicant is further authorized to inject into the Artesia Queen-Grayburg-San Andres Pool through the gross interval from approximately 1,897 feet to 2,750 feet within the subject injection wells.

(2) Those portions of Division Orders No. R-3311, WFX-385 and WFX-470 relating to injection authority for the Artesia Unit Wells No. 10, 16, 18 and 44 should be superseded by this order.

(3) Pursuant to the request of Melrose Operating Company, the Division hereby certifies that the applicant has satisfactorily complied with the remedial cement

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requirements set forth within Division Administrative Order No. WFX-768, and is hereby authorized to commence injection into its Artesia Unit Wells No. 23 and 29, located respectively in Units L and N of Section 35, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico.

(4) Prior to commencing injection operations into the Artesia Unit Wells No. 44, 46 and 54, the applicant shall cement the production casing string from the top of the cement to the surface.

(5) In the event the Artesia Unit Well No. 57 is re-entered and converted to injection, the applicant shall, prior to commencing injection operations, set a production casing string in the wellbore and circulate cement to surface on this casing string.

(6) Prior to commencing injection into any injection well located within ½ mile of the wells shown on Exhibit "B," the applicant shall:

- a. re-enter and re-plug these wells in a manner approved by the Supervisor of the Division's Artesia District Office; or
- b. provide additional geologic, engineering or well data to the Supervisor of the Division's Artesia District Office that will demonstrate that these wells, in their current condition, will not serve as a conduit for the migration of fluid from the proposed injection zone.

(7) Prior to commencing injection into any injection well located within ½ mile of the wells shown on Exhibit "C," the applicant shall run a cement bond log on these wells to determine the cement top behind the production casing. The cement bond log shall be submitted to the supervisor of the Division's Artesia District Office for analysis. In the event the cement behind the production casing in any of these wells is insufficient to isolate the injection interval, the applicant shall perform remedial cement work on the well(s) in a manner approved by the supervisor of the Division's Artesia District Office.

(8) Prior to commencing injection into any injection well located within ½ mile of the wells shown on Exhibit "D," the applicant shall dig out the wellhead to determine whether surface casing is present in the wellbore. In addition, the applicant shall run a cement bond log on these wells to determine the cement top behind the production casing. The cement bond log shall be submitted to the supervisor of the Division's Artesia District Office for analysis. In the event the cement behind the production casing is not adequate to isolate the injection zone and protect fresh water, the

Cement Bond logs
on
1, 2, 3, 4

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applicant shall perform remedial cement work on the well(s) in a manner approved by the supervisor of the Division's Artesia District Office.

(9) Prior to commencing injection into any injection well located within 1/2 mile of the wells shown on Exhibit "E," Melrose shall consult with the supervisor of the Division's Artesia District Office and present additional geologic and/or engineering data to demonstrate that the cement behind the production casing in these wells is sufficient to effectively isolate the injection interval. The supervisor of the Division's Artesia District Office may require the applicant to perform remedial cement operations on any well shown on Exhibit "E" in the event the applicant cannot satisfactorily demonstrate that the cement behind the production casing in these wells is sufficient to effectively isolate the injection interval.

(10) The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(11) Injection shall be accomplished through 2 3/8 inch internally plastic-lined tubing installed in a packer set within 100 feet of the uppermost injection perforation in each well. The casing-tubing annulus shall be filled with an inert fluid, and a gauge or approved leak-detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(12) The injection wells or pressurization system shall be equipped with a pressure control device or acceptable substitute that will limit the surface injection pressure to 0.2 psi/foot of depth to the uppermost injection perforation, all as shown on Exhibit "A."

(13) Prior to commencing injection operations, the casing in each well shall be pressure tested throughout the interval from the surface down to the proposed packer setting depth to assure the integrity of such casing.

(14) The operator shall give advance notice to the supervisor of the Division's Artesia District Office of the date and time (i) injection equipment will be installed; (ii) the mechanical integrity pressure tests will be conducted on the proposed injection wells, and (iii) remedial work will be conducted on any of the wells shown on Exhibits "A," "B," "C," "D" or "E," so these operations may be witnessed.

(15) The operator shall immediately notify the supervisor of the Division's Artesia District Office of the failure of the tubing, casing or packer in any of the injection wells, or the leakage of water, oil or gas from or around any producing or plugged and

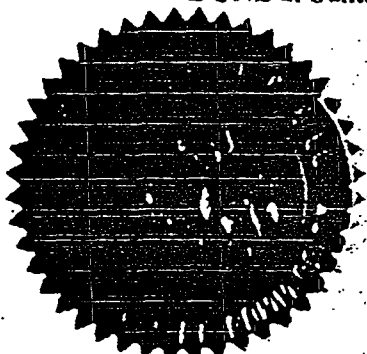
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abandoned well within the project area, and shall take all steps as may be timely and necessary to correct such failure or leakage.

(16) The injection authority granted herein for any of the wells shown on Exhibit "A" shall terminate one year after the date of this order if the operator has not commenced injection operations into the well; provided, however, the Division, upon written request by the operator, may grant an extension for good cause.

(17) Jurisdiction is hereby 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.



SEAL

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Lori Wrotenbery
LORI WROTENBERY
Director

Exhibit "A"
Division Order No. R-11720
Artesia Unit Waterflood Project
Approved Injection Wells

Well Name & Number	API Number	Well Location	Injection Interval	Packer Depth	Maximum Surface Inj. Pressure
Artesia Unit No. 2	30-015-01563	330' FSL & 330' FWL, Unit M, Section 26, T-17S, R-28E	1,897'-2,135'	1830'	379 PSIG
Artesia Unit No. 3	30-015-01565	330' FSL & 1750' FWL, Unit N, Section 26, T-17S, R-28E	1,932'-2,142'	1850'	386 PSIG
Artesia Unit No. 10	30-015-01749	360' FNL & 1952' FWL, Unit C, Section 35, T-17S, R-28E	1,959'-2,173'	1880'	392 PSIG
Artesia Unit No. 11	30-015-02654	360' FNL & 360' FWL, Unit D, Section 35, T-17S, R-28E	1,914'-2,140'	1850'	383 PSIG
Artesia Unit No. 12	30-015-01745	1980' FNL & 660' FWL, Unit E, Section 35, T-17S, R-28E	1,998'-2,290'	1940'	400 PSIG
Artesia Unit No. 13	30-015-01754	1980' FNL & 1980' FWL, Unit F, Section 35, T-17S, R-28E	2,040'-2,300'	1990'	408 PSIG
Artesia Unit No. 16	30-015-01759	1980' FNL & 660' FWL, Unit E, Section 36, T-17S, R-28E	2,236'-2,654'	2156'	447 PSIG
Artesia Unit No. 17	30-015-01761	1980' FNL & 1980' FWL, Unit F, Section 36, T-17S, R-28E	2,306'-2,685'	2260'	461 PSIG
Artesia Unit No. 18	30-015-01762	1980' FSL & 1980' FWL, Unit K, Section 36, T-17S, R-28E	2,356'-2,750'	2290'	471 PSIG
Artesia Unit No. 19	30-015-01760	1980' FSL & 660' FWL, Unit L, Section 36, T-17S, R-28E	2,296'-2,584'	2240'	459 PSIG
Artesia Unit No. 44	30-015-01796	2310' FNL & 990' FWL, Unit E, Section 3, T-18S, R-28E	2,085'-2,420'	2025'	417 PSIG
Artesia Unit No. 46	30-015-02541	2310' FNL & 2267' FWL, Unit F, Section 3, T-18S, R-28E	2,125'-2,419'	2075'	425 PSIG
Artesia Unit No. 54	30-015-01801	1654' FSL & 2272' FWL, Unit K, Section 3, T-18S, R-28E	2,170'-2,406'	2120'	434 PSIG
Artesia Unit No. 57	N/A	1570' FSL & 1070' FWL, Unit L, Section 3, T-18S, R-28E	2,322'-2,432'	2312'	464 PSIG

Exhibit "B"
Division Order No. R-11720
Artesia Unit Waterflood Project
Inadequately Plugged Wells

Well Name & Number	API Number	Well Location
Donnelly Drilling Sinclair State "B" No. 3	30-015-01765	660' FSL & 1980' FEL. Unit O, Section 36, T-17S, R-28E
Maloney Chambers State No. 1	30-015-02559	2390' FNL & 1070' FEL. Unit H, Section 4, T-18S, R-28E
Welch State No. 1	30-015-01729	2310' FNL & 250' FWL. Unit E, Section 35, T-17S, R-28E

Exhibit "C"
Division Order No. R-11720
Artesia Unit Waterflood Project
Wellbores with Limited Construction Data

Well Name & Number	API Number	Well Location
Melrose Operating Company Artesia Unit No. 40	30-015-01799	1070' FNL & 1570' FWL, Unit C, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 45	30-015-01775	2390' FNL & 1570' FWL, Unit F, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 58	30-015-01791	1070' FSL & 250' FWL, Unit M, Section 3, T-18S, R-28E
Melrose Operating Company Levers State No. 1	30-015-02580	1070' FSL & 1070' FEL, Unit P, Section 4, T-18S, R-28E
Melrose Operating Company Levers State No. 2	30-015-02581	250' FSL & 1070' FEL, Unit P, Section 4, T-18S, R-28E
Melrose Operating Company Levers State No. 3	30-015-02582	250' FSL & 250' FEL, Unit P, Section 4, T-18S, R-28E
Melrose Operating Company Levers State No. 4	30-015-02583	1070' FSL & 250' FEL, Unit P, Section 4, T-18S, R-28E

Exhibit "D"
Division Order No. R-11720
Artesia Unit Waterflood Project
Wells With Limited Construction Data That May Not Have Surface Casing

Well Name & Number	API Number	Well Location
Melrose Operating Company Artesia Unit No. 43	30-015-01790	1980' FNL & 250' FWL, Unit E, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 56	30-015-01797	1570' FSL & 1570' FWL, Unit K, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 55	30-015-01798	2390' FSL & 1570' FWL, Unit K, Section 3, T-18S, R-28E

Exhibit "E"

Division Order No. R-11720

Artesia Unit Waterflood Project

"Area of Review" Wells That May Not Be Adequately Cemented

Well Name & Number	API Number	Well Location
Melrose Operating Company Artesia Unit No. 27	30-015-01709	705' FSL & 550' FEL, Unit P, Section 34, T-17S, R-28E
Vintage Drilling Carpers-Levers No. 2	30-015-01705	330' FSL & 330' FWL, Unit M, Section 34, T-17S, R-28E
BP Amoco Empire Abo Unit No. E-39	30-015-01735	660' FNL & 1980' FEL, Unit B, Section 35, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 14	30-015-01755	1980' FNL & 1980' FEL, Unit G, Section 35, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 15	30-015-02126	1980' FNL & 990' FEL, Unit H, Section 35, T-17S, R-28E
BP Amoco Empire Abo Unit "G" No. 37	30-015-01734	2310' FSL & 330' FWL, Unit L, Section 35, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 28	30-015-01732	990' FSL & 330' FWL, Unit M, Section 35, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 29	30-015-01742	990' FSL & 1650' FWL, Unit N, Section 35, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 31	30-015-01744	990' FSL & 990' FEL, Unit P, Section 35, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 7	30-015-10080	480' FNL & 330' FWL, Unit D, Section 36, T-17S, R-28E
R. B. Operating Company Five "J" No. 2	30-015-10543	1980' FNL & 1980' FEL, Unit G, Section 36, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 32	30-015-01764	990' FSL & 330' FWL, Unit M, Section 36, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 33	30-015-01758	330' FSL & 1631' FWL, Unit N, Section 36, T-17S, R-28E
Melrose Operating Company Artesia Unit No. 35	30-015-01785	330' FNL & 1650' FWL, Unit C, Section 2, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 37	30-015-01800	990' FNL & 990' FEL, Unit A, Section 3, T-18S, R-28E

Well Name & Number	API Number	Well Location
Melrose Operating Company Artesia Unit No. 39	30-015-02542	992' FNL & 2275' FWL, Unit C, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 42	30-015-02547	990' FNL & 330' FWL, Unit D, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 47	30-015-02545	1980' FNL & 1980' FEL, Unit G, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 48	30-015-01789	2310' FNL & 990' FEL, Unit H, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 53	30-015-07880	1650' FSL & 1650' FEL, Unit J, Section 3, T-18S, R-28E
Melrose Operating Company Artesia Unit No. 54	30-015-01801	1654' FSL & 2272' FWL, Unit K, Section 3, T-18S, R-28E

Legal Notice
NOTICE OF APPLICATION FOR INJECTION WELL PERMIT

Melrose Operating Company, c/o P.O. Box 953, Midland, TX 79702 will file the New Mexico Oil Conservation Division Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for water injection into the Artesia Unit for Well #21 located in Section 35, T17S, R28E, 1980 FEL and 1980 FSL (J), and Well #53 located in Section 3, T18S, R28E, 1650 FSL & 1650 FEL (J), Eddy County, New Mexico.

The injection water will be sourced from the Melrose, Artesia Unit wells producing from the Grayburg/San Andres/Penrose formation at a depth of 1800' to 2715' with maximum surface pressure of .2 psi to top perforations (465 psi) and a maximum rate of 400 bbls water per day.

All interested parties opposing the application must file objection with the New Mexico Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505 within 15 days of this notice. Additional information can be obtained by contacting Ann Ritchie, Regulatory Agent, Melrose Operating Co., c/o P.O. Box 953, Midland, TX 79702, (432) 684-6381.

+Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

5

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88212

DISTRICT III
1000 Rio Brazos Rd., Las Alamos, NM 87410

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

WELL API NO.	30 015 01729
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	
8. Well No.	1
9. Pool name or Wildcat	Artesia; QN-GR-SA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER	2. Name of Operator Melrose Operating Company
3. Address of Operator c/o P.O. Box 953, Midland, TX, 79702	4. Well Location Unit Letter E 2310' Feet From The North Line and 250' Feet From The West Line Section 35 Township 17S Range 28E NMMPM Eddy County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
OTHER: <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
	COMMENCE DRILLING OPNS. <input type="checkbox"/>
	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

As per NMOCD Case No. 12709 requires that the "Welch State" Well #1 drilled by "Welch Brothers" in August 1934 be plugged and abandoned by Melrose Operating Company in order to proceed with the Melrose Operating Company, Artesia Unit waterflood.

Plan to P & A as follows:

25 SX @ 1900-1800' 2700' - TAG
50 SX @ 1150-1050'
50 SX @ 640-540'
100 SX @ 340-240'
5 SX surface plug

Notify OCD 24 hrs. prior to any work done

Salt gel mud consisting of 10#
Brine W/25# of gel per bbl
must be placed between each plug

Records show (copies attached) that all strings of casing were pulled. Will notify OCD 48 hours before plugging.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

2-13-03

TYPE OR PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(this space for State Use)

APPROVED BY

TITLE

DATE

FEB 18 2003

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO STATE LAND O. CE
SANTA FE, NEW MEXICO
DEPARTMENT OF THE STATE GEOLOGIST
SANTA FE

NOTICE OF INTENTION TO ABANDON WELL

Notice must be given at least five days before work is to begin to the State Geologist or to the proper Oil and Gas Inspector. It is desirable that a representative of the Department of the State Geologist witness the plugging of wells being abandoned whenever possible. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in duplicate.

Artesia, N. Mex., Aug. 10, 1934

Mr. E. H. Wells
Santa Fe, New Mexico.

Dear Sir:

You are hereby notified that it is our intention to abandon _____ Well
No. 1 in W¹ of NW of Sec. 35 Twp. 17, Rge. 28,
N. M. P. M., Artesia Oil Field, Kady County.
We plan to commence work on August 15th., 1934.

The reasons for wishing to abandon the well are as follows:

Non-productive.

The present condition of the well is as follows:

295 feet of 10" Casing.
592 feet of 8-1/4" Casing.
1100 feet of 6-5/8" Casing

DUPLICATE

The work which we propose to do in abandoning the well is as follows:

Fill hole with mud to 1900 feet. Cement with five sacks of cement.
Fill with mud to 1100 feet. Pull 6-5/8" casing. Fill with mud
to bottom of 8-1/4" casing. Pull 8-1/4" casing. Fill with mud to
bottom of 10" casing. Pull 10" casing and fill with mud to surface
and erect regulation marker.

Sincerely yours,

Approved AUG 14 1934 19____

Except as follows:

WELCH BROTHERS

Company or Operator.

By W. P. Welch
Position Partner

Send communications regarding this well to

Name Welch Brothers
Artesia, New Mexico

Address _____

J. D. [Signature]
State Geologist or Oil and Gas Inspector.

11-12

N. M. XICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		Notice of intention to abandon well	
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	

Artesia, New Mexico Aug. 10, 34
Place Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the _____

Welch Bros. Lease Well No. 1 in NE 1/4 NW 1/4
Company or Operator
of Sec. 35, T. 17, R. 28, N. M. P. M., Artesia Field.
Elddy County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

We plan to commence work on August 15, 1934. The reason for wishing to abandon the well is non-productive.

The present condition of the well is as follows: 295' of 10" casing, 592' of 8 1/2" casing; 1100' of 6 5/8" casing.

The work which we propose to do in abandoning the well is as follows: Fill hole with mud to 1900'. Cement with five sacks of cement. Fill with mud to 1100'. Pull 6 5/8" casing. Fill with mud to bottom of 8 1/2" casing. Pull 8 1/2" casing. Fill with mud to bottom of 10" casing. Pull 10" casing and fill with mud to surface and erect regulation marker.

Approved August 14, 19 34
except as follows:

Welch Brothers
Company or Operator

By V. P. Welch

Position Partner

Send communications regarding well to

OIL CONSERVATION COMMISSION,

By J. D. Hunter

Name Welch Brothers

Title Oil & Gas Inspector

Address Artesia, New Mexico

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

Revised March 25, 1999

WELL API NO.

30-015-01734

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

674

7. Lease Name or Unit Agreement Name:

Empire Abo Unit "G"

8. Well No.

6-37

9. Pool name or Wildcat

Abo

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

B-P America Production Co.

3. Address of Operator

P.O. Box 1089 Eunice, New Mexico

4. Well Location

Unit Letter L : 2310 feet from the SOUTH line and 330 feet from the WEST line

Section 35

Township 17S

Range 28E

NMPM Eddy County NM

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

KB 11'

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

9/6/02 Tagged CIBP @ 6024'. Filled hole w/9.5 salt gel mud. Spotted 25sxs cmt from 3870-3770'.

9/9/02 Perf'd 51/2" @ 770'. Squeezed 50 sxs cmt from 770-350', 85/8" csg shoe to 130' above the Yates Tagged TOC at 357'.
Perf'd 51/2" @ 60'. Circulated 51/2" and 85/8" w/15 sxs cmt to surface.

9/14/02 Cut off well head & anchors 3' BLG. Cleaned Location. Set dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

DATE

Type or print name

Telephone No.

(This space for State use)

APPROVED BY

TITLE

JAN 14 2003

KELLAHIN AND KELLAHIN

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2265

SANTA FE, NEW MEXICO 87504-2265

January 9, 2002

W. THOMAS KELLAHIN*

*NEW MEXICO BOARD OF LEGAL SPECIALIZATION
RECOGNIZED SPECIALIST IN THE AREA OF
NATURAL RESOURCES-OIL AND GAS LAW

JASON KELLAHIN (RETIRED 1991)

TELEPHONE (505) 982-4289
TELEFAX (505) 982-2047**Via Facsimile**

Stephen Ross, Esq.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

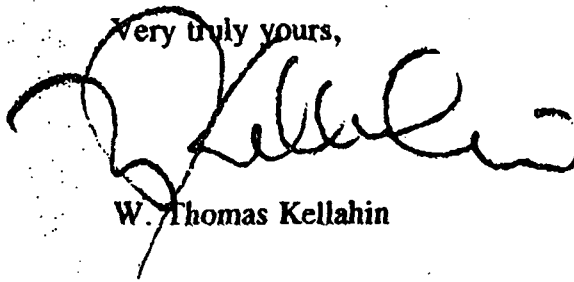
Re: **NMOCD Case 12709**
Application of Melrose Operating Company
for approval of the expansion of its
Artesia Unit Waterflood Project,
Eddy County, New Mexico

Dear Mr. Ross:

I would appreciate your assistance concerning the status of the referenced case. Melrose Operating Company would like to know when it can expect the Division to issue an order in the referenced case which was presented at the hearing held on September 6, 2001, before Examiner Catanach. This case has been pending an order for more than 4 months.

By comparison, OXY USA WTP Limited Partnership presented a much more complicated, but similar, case to expand its North Hobbs Grayburg Unit Tertiary Recovery Project to Mr. Catanach on the same September 6, 2001 docket and received its order on October 22, 2001. See Case 12722, Order R-6199-B.

Very truly yours,



W. Thomas Kellahin

cc: Mr. David R. Catanach, Hearing Examiner
Melrose Operating Company
Attn: Ann E. Ritchie

*Needs
executive
summary
for current
status*

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

DISTRICT II
P.O. Box 1980, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

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

WELL API NO.

30 015 01756

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

15

9. Pool name or Wildcat

Artesia; QN-GR-SA

1. Type of Well:

Oil
Well ☒

Gas
Well ☐

OTHER

2. Name of Operator

Melrose Operating Company

3. Address of Operator

c/o P.O. Box 953, , Midland, TX, 79702

4. Well Location

Unit Letter H 1980' Feet From The North Line and 990' Feet From The East Line

Section 35 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PLUG OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-17-03: Moved in and rigged up. Tripped out of hole with pump & rods. Nipple down wellhead. Trip out of hole with tubing. Rigged up Computalog - ran cement bond log. Cleaned out hole to 2350', logged cement top @ 1700'. Rigged down loggers and ran in hole with tubing & rods & reconditioned pump. Hung well on - good pump action.

Cement bond log run in compliance to Administrative Order #WFX-768, New Mexico Oil Conservation Division. Artesia Unit Waterflood project.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

2-27-03

TYPE OR PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(Space for State Use)

APPROVED BY

Accepted for record

TITLE

DATE

MAR 04 2003

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

Drawer DD, Artesia, NM 88208

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 015 01749

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

10

9. Pool name or Wildcat

Artesia; QN-GR-SA

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil

Well ☒

Gas

Well ☐

OTHER

2. Name of Operator

Melrose Operating Company

3. Address of Operator

c/o P.O. Box 953, Midland, TX, 79702

4. Well Location

Unit Letter C 360' Feet From The North Line and 1952' Feet From The West Line

Section 35 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3861' GR

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-18-03: Moved in and rigged up. Tripped out of hole with pump and rods. Nippled down wellhead, tripped out of hole with tubing. Rigged up Computalog Wireline Services to run cement bond log. Fluid level @ 2100', loaded hole and logged. Good bond to 1300'. Pulled out of hole.

2-19-03: Trip in hole with tubing. Nippled up wellhead, trip in hole with reconditioned pump and rods. Hung well on tagging good pump action.

Cement bond log run in compliance to Administrative Order #LUFX-768, New Mexico Oil Conservation Division. Artesia Unit waterflood project.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

2-27-03

TYPE OR PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(Space for State Use)

APPROVED BY

Accepted for record

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAR 04 2003

Wireline Services

CCL



COMPANY <u>MELROSE OIL & GAS</u>	WELL <u>ARTESIA UNIT # 10</u>	FIELD <u>ARTESIA QUEEN GRAYBURG</u>	COUNTY <u>EDDY</u>	STATE <u>NM</u>			
LOCATION: <u>360' FNL & 1952' FWL</u>				OTHER SERVICES:			
SEC. <u>35</u> TWP. <u>17S</u> RGE. <u>28E</u>							
PERM. DATUM <u>Ground Level</u> ELEV. <u>3684</u>				ELEV.: K.B. <u>3691</u>			
LOG MEASURED FROM <u>K.B.</u> FT. ABOVE PERMANENT DATUM				D.F. <u>3690</u>			
DRILLING MEASURED FROM <u>K.B.</u>				G.L. <u>3684</u>			
DATE		<u>02/18/03</u>					
RUN NO.		<u>ONE</u>					
DEPTH DRILLER		<u>2214</u>					
DEPTH LOGGER		<u>2199</u>					
BTM. LOG INTERVAL							
TOP LOG INTERVAL		<u>1247</u>					
OPEN HOLE SIZE		<u>7.875"</u>					
TYPE FLUID		<u>WATER</u>					
DENS.	VISC.	<u>N/A</u>	<u>N/A</u>				
MAX. REC. TEMP. °F		<u>N/A</u>					
EST. CEMENT TOP							
TIME WELL READY		<u>ROA</u>					
TIME LOGGER ON BTM.		<u>SEE LOG</u>					
EQUIP. NO.		<u>4716</u>					
LOCATION		<u>HOBBS</u>					
RECORDED BY		<u>M. Nasrallah/Skinner</u>					
WITNESSED BY		<u>GARY NEWTON</u>					
BOREHOLE RECORD				TUBING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
CASING RECORD		SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING							
PROT. STRING							
PROD. STRING		<u>5 1/2"</u>				SURF.	T.D.
LINER							

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District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

DISTRICT I

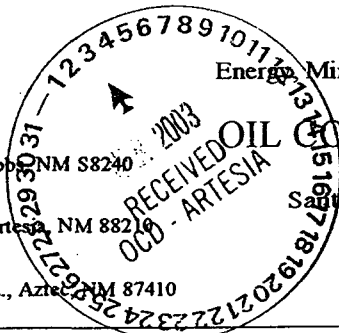
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410



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

WELL API NO.

01505
30 015 01742

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

3

9. Pool name or Wildcat

Artesia; QN-GR-SA

1. Type of Well:

Oil
Well ☒

Gas
Well ☐

OTHER

2. Name of Operator

Melrose Operating Company

3. Address of Operator

c/o P.O. Box 953, , Midland, TX, 79702

4. Well Location

Unit Letter N 330' Feet From The South Line and 1750' Feet From The West Line

Section 26 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3684' GR

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PLUG OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-19-03: Moved in and rigged up. Trip out of hole with pump & rods. Nipple down wellhead, trip out of hole with tubing. Rigged up Computalog Wireline Services, tried to load hole, fluid level @ 2040'. Picked up RBP, trip in hole and set @ 1880' - loaded hole. Trip out of hole and log - cement bond log. Top of cement @ 800'. Trip out of hole with RBP. Went back in hole with reconditioned pump & rods - hand well on. Tagged good pump action.

Cement bond log run in compliance to Administrative Order #WFX-768, New Mexico Oil Conservation Division. Artesia Unit Waterflood project.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

2-27-03

TYPE OR PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(Space for State Use)

APPROVED BY

Accepted for record Bcb

TITLE

DATE

MAR 04 2003

CONDITIONS OF APPROVAL, IF ANY:

COMPUTALOG

Wireline Services



ACOUSTIC CEMENT BOND

cbi

CCL

COMPANY MELROSE OIL # G	WELL ARTESIA UNIT # 3	FIELD ARTESIA QUEEN GRAYBURG	COUNTY EDDY	STATE N.M.	COMPANY MELROSE OIL & GAS		
					WELL ARTESIA UNIT # 3		
					FIELD ARTESIA QUEEN GRAYBURG		
					COUNTY EDDY STATE N.M.		
LOCATION: 26-175-28E		OTHER SERVICES:					
SEC. _____ TWP. _____ RGE. _____							
PERM. DATUM <u>Ground Level</u> ELEV. _____ LOG MEASURED FROM <u>K.B.</u> FT. ABOVE PERMANENT DATUM DRILLING MEASURED FROM <u>K.B.</u>							
ELEV.: <u>K.B.</u> <u>D.F. 3691</u> <u>G.L. 3684</u>							
DATE	19/02/03						
RUN NO.	ONE						
DEPTH DRILLER	2155						
DEPTH LOGGER	1838.7						
BTM. LOG INTERVAL	1838.7						
TOP LOG INTERVAL	522.7						
OPEN HOLE SIZE	9 5/8"						
TYPE FLUID	WATER						
DENS.	VISC.	N/A N/A					
MAX. REC. TEMP. °F	N/A						
EST. CEMENT TOP							
TIME WELL READY	10:30						
TIME LOGGER ON BTM.	SEE LOG						
EQUIP. NO.	4716						
LOCATION	HOBBS						
RECORDED BY	NASRALLAH / SKINNER						
WITNESSED BY	GRAY / NEWTON						
BOREHOLE RECORD				TUBING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
CASING RECORD	SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM	
SURFACE STRING	9 5/8				SURF.	580	
PROD. STRING	4 1/2				SURF.	T.D.	
LINER							

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grande Ave., Artesia, NM 88210

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

OIL CONSERVATION DIVISION

1220 S. St. Francis Dr.
Santa Fe, New Mexico 87505

WELL API NO.	30 015 01755
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Artesia Unit
8. Well No.	14
9. Pool name or Wildcat	Artesia : Queen-Grayburg

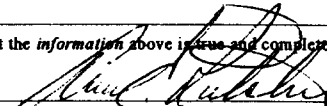
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER	
2. Name of Operator Melrose Operating Company	
3. Address of Operator c/o P.O. Box 953, , Midland, TX, 79702	
4. Well Location Unit Letter <u>G</u> Feet From The _____ Line and _____ Feet From The _____ Line Section <u>35</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>Eddy</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: _____ <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER Cement bond log <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)SEE RULE 1103.

Ran Cement bond log on 2-21-03 - reference NMOCD Order Number R 11720.
Waterflood expansion project. Top of cement @ 1620'. Log enclosed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE 	TITLE <u>Regulatory Agent</u>	DATE <u>12-31-03</u>
TYPE OR PRINT NAME <u>Ann E. Ritchie</u>	TELEPHONE NO. <u>432 684-6381</u>	

(this space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COMPUTALOG

Wireline Services



ACOUSTIC CEMENT BOND
GAMMA RAY
CCL

COMPANY MELROSE OIL & GAS WELL ARTESIA UNIT #14 FIELD ARTESIA QUEENS CNTY EDDY STATE NM	COMPANY <u>MELROSE OIL & GAS</u>								
	WELL <u>ARTESIA UNIT #14</u>								
	FIELD <u>ARTESIA QUEEN GRAUBURG</u>								
	COUNTY <u>EDDY</u> STATE <u>N.M.</u>								
LOCATION:		OTHER SERVICES:							
SEC. <u>35</u> TWP. <u>17-S</u> RGE <u>28-E</u>									
PERM. DATUM <u>Ground Level</u> ELEV. <u>3683'</u> LOG MEASURED FROM <u>GL</u> FT. ABOVE PERMANENT DATUM DRILLING MEASURED FROM <u>KELLY BUSHING</u>		ELEV.: K.B. <u>N/A</u> D.F. <u>N/A</u> G.L. <u>3683'</u>							
DATE	02-21-03								
RUN NO.	ONE								
DEPTH DRILLER	2387'								
DEPTH LOGGER	2301'								
BTM. LOG INTERVAL	2301'								
TOP LOG INTERVAL	1200'								
OPEN HOLE SIZE	7.875"								
TYPE FLUID	WATER								
DENS.	VISC.	N/A N/A							
MAX. REC. TEMP. °F	N/A								
EST. CEMENT TOP	1620'								
TIME WELL READY	18:00								
TIME LOGGER ON BTM.	SEE LOG								
EQUIP. NO.	4716								
LOCATION	HOBBS, NM								
RECORDED BY	M. MCGAHA								
WITNESSED BY	GARY NEWTON								
BOREHOLE RECORD									
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO		
CASING RECORD				SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING				8 5/8"				SURF.	400'
PROT. STRING									
PROD. STRING				4.5				SURF.	T.D.
LINER									

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 015 01756

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

15

9. Pool name or Wildcat

Artesia; QN-GR-SA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

Oil
Well ☒

Gas
Well ☐

OTHER

2. Name of Operator

Melrose Operating Company

3. Address of Operator

c/o P.O. Box 953, , Midland, TX, 79702

4. Well Location

Unit Letter H 1980' Feet From The North Line and 990' Feet From The East Line

Section 35 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-17-03: Moved in and rigged up. Tripped out of hole with pump & rods. Nipple down wellhead. Trip out of hole with tubing. Rigged up Computalog - ran cement bond log. Cleaned out hole to 2350', logged cement top @ 1700'. Rigged down loggers and ran in hole with tubing & rods & reconditioned pump. Hung well on - good pump action.

Cement bond log run in compliance to Administrative Order #WFX-768, New Mexico Oil Conservation Division. Artesia Unit Waterflood project.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

2-27-03

TYPE OR PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAR 04 2003

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to Appropriate
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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

1301 W. Grande Ave., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

1220 S. St. Francis Dr.
Santa Fe, New Mexico 87505

WELL API NO.	30 015 01732
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Artesia Unit
8. Well No.	28
9. Pool name or Wildcat	Artesia : Queen-Grayburg

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER	
2. Name of Operator Melrose Operating Company	
3. Address of Operator c/o P.O. Box 953, , Midland, TX, 79702	
4. Well Location Unit Letter <u>G</u> <u>990</u> Feet From The <u>South</u> Line and <u>330</u> Feet From The <u>West</u> Line Section <u>35</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>Eddy</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER Cement bond log <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.
Ran Cement bond log on 2-21-03 - reference NMOCD Order Number R 11720.
Waterflood expansion project. Top of cement @ 1634'. Log enclosed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ann E. Ritchie TITLE Regulatory Agent DATE 12-31-03

TYPE OR PRINT NAME Ann E. Ritchie TELEPHONE NO. 432 684-6381

(this space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONITIONS OF APPROVAL, IF ANY:

COMPUTALOG

Wireline Services



ACOUSTI CEMENT BOND
GAMMA RAY/CCL
LOG

COMPANY MELROSE OIL & GAS WELL ARTESIA UNIT #28 FIELD ARTESIA CNTY EDDY STATE NM	COMPANY MELROSE OIL & GAS	
	WELL ARTESIA UNIT #28	
	FIELD ARTESIA	
	COUNTY EDDY STATE NM	
LOCATION: 990' FSL & 330' FWL		OTHER SERVICES: MAST TRAILER
SEC. 35 TWP. 17-S RGE 28-E		
PERM. DATUM GROUND LEVEL ELEV. N/A		ELEV.: K.B. N/A
LOG MEASURED FROM N/A FT. ABOVE PERMANENT DATUM		D.F. N/A
DRILLING MEASURED FROM KELLY BUSHING		G.L. N/A
DATE	10-11-03	
RUN NO.	ONE	
DEPTH DRILLER	N/A	
DEPTH LOGGER	2154'	
BTM. LOG INTERVAL	2154'	
TOP LOG INTERVAL	1500'	
OPEN HOLE SIZE	7.875"	
TYPE FLUID	WATER	
DENS.	VISC.	N/A N/A
MAX. REC. TEMP. °F	N/A	
EST. CEMENT TOP	1630'	
TIME WELL READY	09:00	
TIME LOGGER ON BTM.	SEE LOG	
EQUIP. NO.	4716	
LOCATION	HOBBS. NM	
RECORDED BY	M. MCGAHA	
WITNESSED BY	GARY NEWTON	
BOREHOLE RECORD		
RUN NO.	BIT	FROM TO
TUBING RECORD		
CASING RECORD	SIZE	WT/FT GRADE TYPE JOINT TOP BOTTOM
SURFACE STRING	8.625"	
PROD. STRING	5.5"	
LINER		

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grande Ave., Artesia, NM 88210

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

OIL CONSERVATION DIVISION

1220 S. St. Francis Dr.
Santa Fe, New Mexico 87505

WELL API NO.	30 015 01742
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Artesia Unit
8. Well No.	29
9. Pool name or Wildcat	Artesia : Queen-Grayburg

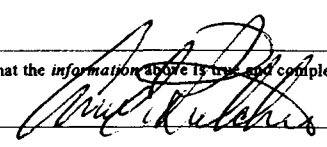
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER	
2. Name of Operator Melrose Operating Company	
3. Address of Operator c/o P.O. Box 953, , Midland, TX, 79702	
4. Well Location Unit Letter N 990 Feet From The South Line and 1650 Feet From The West Line Section 35 Township 17S Range 28E NMPM Eddy County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER Cement bond log <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Ran Cement bond log on 2-21-03 - reference NMOCD Order Number R 11720.
Waterflood expansion project. Top of cement @ . Log enclosed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Regulatory Agent DATE 12-31-03

TYPE OR PRINT NAME Ann E. Ritchie TELEPHONE NO. 432 684-6381

(this space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COMPUTALOG		ACOUSTIC CEMENT BOND	
Wireline Services		GAMMA RAY	
CCL			
COMPANY MELROSE OIL & GAS			
WELL ARTESIA NO. 29			
FIELD			
CNTY EDDY		STATE NM	
COMPANY MELROSE OIL & GAS			
WELL ARTESIA NO. 29			
FIELD			
COUNTY EDDY		STATE N.M.	
LOCATION: 990' FSL & 1650' FML			
SEC. 35		TWP. 17-S RGE 28-E	
PERM. DATUM GROUND LEVEL			
LOG MEASURED FROM GL 0		ELEV. 3670'	
DRILLING MEASURED FROM KELLY BUSHING		ELEV. K.B. 3670'	
		D.F. 3670'	
		G.L. 3670'	
DATE 9-22-03			
RUN NO. ONE			
DEPTH DRILLER 2484'			
DEPTH LOGGER 2480'			
BTM. LOG INTERVAL 2480'			
TOP LOG INTERVAL 1310'			
OPEN HOLE SIZE 8.625			
TYPE FLUID WATER			
DENS. N/A			
VISC. N/A			
MAX. REC. TEMP. °F N/A			
EST. CEMENT TOP 1733'			
TIME WELL READY ON ARRIVAL			
TIME LOGGER ON BTM. SEE LOG			
EQUIP. NO. 4824			
LOCATION HOBBS, NM			
RECORDED BY J. FOREMAN			
WITNESSED BY GARY NEWI			
BOREHOLE RECORD			
RUN NO. BIT FROM TO			
Casing Record			
SIZE HT/FT			
SURFACE STRING 8.625" 32'			
PROD. STRING 4.5" 8.5'			
LINER			

*need to
from Robert*

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFULL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES, OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS SET OUT IN OUR CURRENT PRICE SCHEDULE.

REMARKS:

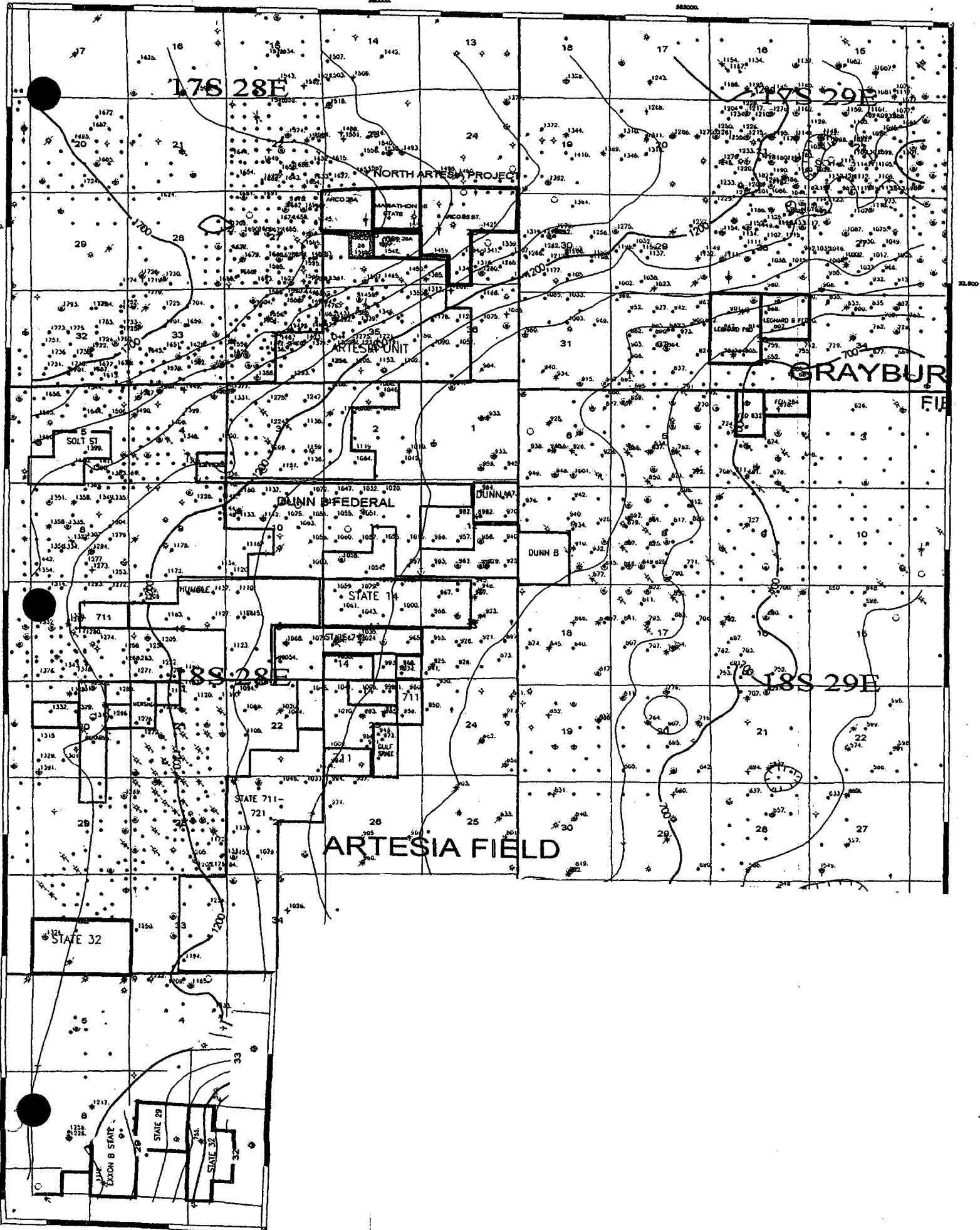
CORRELATED 0' TO COMPUTALOG COMPENSATED NEUTRON LOG DATED 9-22-03

SBT: 136 GR: 152 CCL: 152 : 6 PIN: B 130 TOP CENT: 4157

THANK YOU FOR USING COMPUTALOG WIRELINE SERVICES!!!!!!!!!!!!!!!!!!!!

DEPTH DRIVE SUMMARY

TRACE NAME	MINIMUM	DEPTH	MAXIMUM	DEPTH	UNITS
AMPLITUDE X 5	0	2215.2	81	1653.5	Millivolts
COLLAR LOCATOR	-714	1838.8	874	1805.7	Millivolts



ARTESIA UNIT
CAPITAL COSTS

Drill 35 Producers @ 232 M\$ ea.	8120 M\$
Recomplete 72 zones in 44 wells @ 45 M\$ ea	3240 M\$
Convert 41 producers @ 30 M\$ ea	1250 M\$
Facilities	60 M\$
Injection Lines (41 Conversion @ 9 M\$ ea)	370 M\$
Miscellaneous	<u>500 M\$</u>
TOTAL	13540 M\$

8/31/01

ARTESIA UNIT
RECOMPLETION AND FLOOD DOWNSPACING
INCREMENTAL ECONOMICS

Working Interest	100 %
Revenue Interest	70 %
Gross Oil	4069 MBO
Net Oil	2848 MBO
Gross Gas	1406 MMCF
Net Gas	984 MMCF
Gross Capital	13540 M\$
Rate of Return	18.5 %
PWP @ 10%	10435 M\$
PWP @ 15%	3307 M\$
Payout	5.9 Years
Cost to Develop	4.60 \$/NEB
Return on Investment	4.2 \$/\$

ARTESIA UNIT
RESERVES TABLE

Primary Operations (First Producer in 1/26)

Cumulative Recovery @ Flood Start (7/65)	1103 MBO
Remaining Reserves @ Flood Start	524 MBO
Ultimate Primary Reserves @ Flood Start	1627 MBO
Maximum # of Wells	57
Average Reserves per Well	29 MBO/Well
Acres	2280 acres
Average Reserves per Acre	.7 MBO/acre

Current Operations

Cumulative Recovery @ 6/01	2975 MBO
Remaining Reserves @ 6/01	180 MBO
Ultimate Current Reserves @ 6/01	3155 MBO
Current Cumulative Gas	1332 MMCF
Current Cumulative Water Production	3779 MBW
Current Cumulative Water Injection	24464 MBW
Maximum # of Wells	64
Average Reserves per Well	49 MBO/Well
Acres	2280 acres
Average Reserves per Acre	1.38 MBO/acre

Proposed Operations

Proposed Producing Wells	35 Wells
Proposed Injection Wells	0 Wells
Proposed Conversions to Injection	41 Wells
Capital Cost	13540 M\$
Incremental Reserves	4069 MBO
Total Ultimate Reserves	7224 MBO

Artesia Unit Incremental Reserves

Recompletion – 1,920 MBO

Recompletion reserves are calculated based upon several recompletions in the Artesia Unit. Incremental reserves were calculated for these recompletions and resulted in an overage recovery figure of 1MBO per foot of pay. The proposed recompletion intervals amount to 1,200'. A 50% risk-factor was applied, which resulted in a 600 MBO recovery figure. A waterflood recovery factor of 2.2 was then applied to the 600 MBO for a total expected reserve figure of 1,920 MBO.

Collapsing the Flood Pattern – 2,255 MBO

Several offset waterfloods developed on various well spacings were analyzed for recoveries per acre and per well. Graphs were constructed showing the increased recovery verses tighter spacing. Based on this data, it is reasonable to conclude that the Artesia Unit will add 2,255 MBO in incremental waterflood reserves drilling additional wells and collapsing the spacing from 36 acres to 20 acres per well.

ARTESIA UNIT OOIP COMPARISON

Original Oil in Place by Zone:

Loco Hills	7256 MBO
Metex	13191 MBO
Premier	16859 MBO
Lovington	<u>9487 MBO</u>
TOTAL	46793 MBO

Ultimate Primary Reserves= 1627 MBO

3.5 % of OOIP

Current Operations Ultimate Reserves= 3155 MBO

6.7 % of OOIP

Proposed Ultimate Reserves= 7224 MBO

15.4 % of OOIP

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
T-17-S R-28-E Section 25															
Melrose Energy	Oil	Inactive	1781-2258	8 5/8 4 1/2	494 2291	75 175	10 8	1.32 1.32	7.1565 4.1891		surface 1323	surface 1565	surface 1807	6/17/1968	30-015-10077
Artesia Unit # 6															
330 FSL & 330 FWL (M)															
BP Amoco	Oil	Inactive	6300-6316	8 5/8 5 1/2	738 6383	375 320*	10 7 7/8	1.32 7.3 & 1.88	7.1565 5.7695	Circ.	surface	surface	surface	8/20/1960	30-015-01537
Empire Abo Unit D 42												55% Eff.			
660 FSL & 1980 FWL (N)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4 % Incon											
T-17-S R-28-E Section 26															
Marbob	Oil	Active	2445-2690	8 5/8 5 1/2	530 3103	375 800	12 1/4 7 7/8	1.32 1.32	2.4219 5.7695		surface surface	surface surface	surface 57	11/3/1993	30-015-27619
Arco 26 A State #1															
1650 FSL & 1650 FWL (K)															
Marbob	Oil	Active	2334-2821	8 5/8 5 1/2	519 3049	375 550	12 1/4 7 7/8	1.32 1.32	2.4219 5.7695		surface surface	surface surface	surface 955	6/25/1996	30-015-28958
Arco 26 A State #2															
2264 FNL & 330 FWL (E)															
Marbob	Oil	Active	2637-3220	8 5/8 4 1/2	520 3390	400 900	12 1/4 7 7/8	1.32 1.32	2.4219 4.3881		surface surface	surface surface	surface 783	1/11/1998	30-015-29905
Arco 26 A State #11															
2280 FNL & 1650 FWL (F)															
Melrose Energy	Oil	Active	2542-2592	8 5/8 4 1/2	322 3000	300 700	12 1/4 7 7/8	1.32 1.32	2.4219 4.3881		surface surface	surface surface	surface 973	3/26/1998	30-015-29997
Artesia Unit #73															
600 FSL & 990 FWL (L)															
BP Amoco	Oil	Active	6152-6172	8 5/8 5 1/2	720 6326	350 320*	10 7 7/8	1.32 7.3 & 1.88	7.1565 5.7695		surface	surface	surface	7/22/1960	30-015-01554
Empire Abo Unit #39												55% Eff.			
1650 FSL & 1980 FEL (I)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4 % Incon											
BP Amoco	Oil	P&A	6198-6224	8 5/8 5 1/2	720 6310	375 340*	10 7 7/8	1.32 7.3 & 1.88	7.1565 5.7695	Circ.	surface	1014		7/8/1960	30-015-01553
Empire Abo Unit C #38												55% Eff.			
1650 FSL & 1980 FWL (K)				*5 1/2 cmt'd w/ 190 sx HYS & 150 sx 4 % Incon											
BP Amoco	Oil	Active	6060-6080	8 5/8 5 1/2	738 6226	350 320*	10 7 7/8	1.32 7.3 & 1.88	7.1565 5.7695	Circ.	surface	1393	surface	8/27/1960	30-015-01557
Empire Unit #37												55% Eff.			
1650 FSL & 990 FWL (L)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4 % Incon											
Melrose Energy	Oil	Inactive	2072-2082	7 4 1/2	603 2098	75 125	9 5/8 6 1/4	1.32 1.32	4.1996 9.7421		187	291	395	1/16/1961	30-015-01564
Artesia Unit #1											491	892	1294		
1650 FSL & 460 FWL (L)															
BP Amoco	Oil	Active	6080-6100	8 5/8 5 1/2	739 6218	300 275*	10 7 7/8	1.32 7.3 & 1.88	7.1565 5.7695	Circ.	surface		surface	6/3/1960	30-015-01551
Empire Abo Unit D #37											After Squeeze job			Circulated w/ squeeze job	
550 FSL & 820 FWL (M)				*5 1/2 cmt'd w/ 125 sx HYS & 150 sx 4 % Incon											

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Mess. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Melrose Energy	Oil	Inactive	2110-2116	8 5/8	562	75	10	1.32	7.1565		surface	31	208	12/15/1960	30-015-01563
Artesia Unit #2				4 1/2	2154	275	8	1.32	4.1891		633	1014	1394		
330 FSL & 330 FWL (M)															
BP Amoco	Oil	Inactive	6158-6170	8 5/8	739	300	10	1.32	7.1565	Circ.	surface		surface	6/18/1960	30-015-01550
Empire Abo Unit D # 38				5 1/2	6435	312*	7 7/8	7.3 & 1.88	5.7695	688					
330 FSL & 2310 FWL (N)				*5 1/2 cmt'd w/ 162 sx HYS & 150 sx 4" Incon						cas. TO					
Melrose Energy	Oil	Active	2136-2142	7	609	75	9 5/8	1.32	4.1996		193	297	401	1/5/1961	30-015-01565
Artesia Unit #3				4 1/2	2155	125	6 1/4	1.32	9.7421		548	949	1351		
330 FSL & 1750 FWL (N)															
BP Amoco	Oil	Active	6208-6222	8 5/8	732	300	10	1.32	7.1565	Circ.	surface		surface	7/1/1960	30-015-01552
Empire Abo Unit #39				5 1/2	6332	320*	7 7/8	7.3 & 1.88	5.7695	1535					
330 FSL & 1980 FEL (O)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4" Incon						cas. TO					
Melrose Energy	Oil	Inactive	2162-2172	7	600	75	9 5/8	1.32	4.1996		184	288	392	1/20/1961	30-015-01566
Artesia Unit #4				4 1/2	2196	125	6 1/4	1.32	9.7421		589	990	1392		
2310 FEL & 330 FSL (O)															
BP Amoco	Oil	Active	6195-6219	8 5/8	714	375	10	1.32	7.1565	Circ.	surface	surface	surface	7/25/1960	30-015-01555
Empire Abo Unit #40				5 1/2	6330	320*	7 7/8	7.3 & 1.88	5.7695			1497			
660 FSL & 660 FEL (P)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4" Incon								55% Eff.			
Melrose Energy	Oil	Inactive	2191-2196	7	600	75	9 5/8	1.32	4.1996		184	288	392	9/5/1961	30-015-01567
Artesia Unit #5				4 1/2	2228	75	6 1/4	1.32	9.7421		1264	1505	1746		
990 FEL & 330 FSL (P)															
BP Amoco	Gas	Active	10,011-018	20	30	10	24	1.32	1.0413	Circ.	16		23	1/3/1984	30-015-25013
State CC #1				13 3/8	669	950	17 1/2	1.32	1.4390	Circ.	surface		surface		
990 FEL & 2235 FWL (N)				8 5/8	2600	1050	10	1.32	7.1565	Circ.	surface		surface		
				5 1/2	10900	1740	7 7/8	1.32	5.7695	134" DV	surface		4274		
										5767					
Marbob Energy	Oil	Active	3820-4120	8 5/8	517	350	10	1.32	7.1565		surface	surface		5/14/2000	30-015-10976
"D" State #3				5 1/2	4240	1250	7 7/8	1.32	5.7695		surface				
765 FSL & 1650 FEL (O)															
Marbob Energy	Oil	Active	3571-4001	8 5/8	503	450	10	1.32	7.1565		surface	surface		2/10/2001	30-015-31422
"D" State #5				5 1/2	4212	1100	7 7/8	1.32	5.7695		surface	surface			
990 FSL & 990 FWL (M)															
BP Amoco	P&A													P&A 12/20/8	30-015-01559
Empire Abo Unit B #39															
2310 FSL & 1980 FEL (I)															

SEE ATTACHED PLUGGING DIAGRAMS

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
T-17-S R-28-E Section 27															
Marbob Energy	Oil	Active	3630-3864	8 5/8	530	350	10	1.32	7.1565		surface	surface	surface	1/13/1999	30-015-30773
Samedan State #2				5 1/2	4163	950	7 7/8	1.32	5.7695		surface	surface	546		
990 FSL & 1669 FEL (O)															
Marbob Energy	Oil	Active	2050-2060	8 5/8	435	275	12 1/4	1.32	2.4219	Circ.	surface		surface	5/20/1981	30-015-23742
N.G. Phillips #28				4 1/2	2500	825	6 1/4	1.32	9.7421	Circ.	surface		surface		
2260 FNL & 330 FEL (H)															
BP Amoco	Oil	Active	6040-6193	8 5/8	870	400	10	1.32	7.1565		surface	surface	3025	8/27/1960	30-015-01583
Empire Abo Unit #36				5 1/2	6262	850	7 7/8	1.32	5.7695	Circ.	surface				
1628 FSL & 660 FEL (I)															
Marbob Energy	Oil	Inactive	2056-2064	8 5/8	559	50	10	1.32	7.1565		87	205	323	1/7/1961	30-015-01572
N.G. Phillips #4		WTW		5 1/2	2080	365	7 7/8	1.32	5.7695		surface	surface	690		
1650 FSL & 330 FEL (I)															
Marbob Energy	Oil	Active	2018-2028	8 5/8	475	275	10	1.32	7.1565		surface	surface	surface	5/20/1981	30-015-23736
N.G. Phillips #27				4 1/2	2550	525	6 1/4	1.32	9.7421		surface	surface	surface		
2264 FSL & 978 FEL (I)															
Marbob Energy	Oil	Active	2428-2766	8 5/8	517	350	10	1.32	7.1565		surface	surface	surface	8/2/1983	30-015-24532
N.G. Phillips #33				5 1/2	3000	850	7 7/8	1.32	5.7695		surface	surface	surface		
1650 FSL & 455 FEL (I)															
BP Amoco	Oil	Active	6060-6080	8 5/8	1002	500	11	1.32	3.9321		surface	surface	surface	6/27/1961	30-015-01584
Empire Abo Unit #35				4 1/2	6199	850	6 1/4	1.32	9.7421	640	surface		734		
1650 FSL & 1750 FEL (I)															
Marbob Energy	Oil	P&A	2024-2034	8 5/8	560	set	10	1.32	7.1565					3/15/1961	30-015-01573
N.G. Phillips #5				5 1/2	2057	381	7 7/8	1.32	5.7695		surface	surface	606		
1650 FSL & 1650 FEL (I)															
Marbob Energy	Oil	Active	2040-2050	5 1/2	2078	584	7 7/8	1.32	5.7695	Circ.	surface	surface	surface	5/6/1961	30-015-01591
Walker State #2															
330 FSL & 1650 FEL (O)															
Marbob Energy	Oil	Active	2030-2040	8 5/8	579	200	10	1.32	7.1565	70	surface		surface	2/18/1977	30-015-22016
Walker State #4				4 1/2	2094	575	7 7/8	1.32	4.3881	520	surface		429		
900 FSL & 2287 FEL (O)															
Marbob Energy	Oil	Active	2434-2738	8 5/8	546	350	10	1.32	7.1565	Circ.	surface		surface	11/1/1983	30-015-24611
Samedan State #1				5 1/2	2999	750	7 7/8	1.32	5.7695	Circ.	surface		143		
330 FSL & 2287 FEL (O)															
BP Amoco	Oil	P&A	6114-6138	8 5/8	732	400	10	1.32	7.1565	Circ.	surface		surface	7/7/1960	30-015-01590
Empire Abo Unit D #35				4 1/2	6240	900	6 1/4	1.32	9.7421	1700	surface		453		
330 FSL & 1980 FEL (O)															

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
BP Amoco Empire Abo Unit #36 330 FSL & 660 FEL (P)	Oil	Active	6180-6190	8 5/8 5 1/2	751 6271	350 850	10 7 7/8	1.32 1.32	7.1565 5.7695	Circ. 150'	surface surface		surface 3034	7/18/1960	30-015-01582
Marbob Energy N.G. Phillips #37 1165 FSL & 978 FEL (P)	Oil	Active	2155-2774	8 5/8 5 1/2	506 2980	350 600	10 7 7/8	1.32 1.32	7.1565 5.7695	Circ. Circ.	surface surface		surface 695	6/6/1984	30-015-24848
BP Amoco Empire Abo Unit #361 136 FSL & 800 FEL (P)	Oil	Active	6300-6310	8 5/8 5 1/2	800 6414	450 1600	11 7 7/8	1.32 1.32	3.9321 5.7695		surface surface	surface surface	321	3/23/1979	30-015-22803
Marbob Energy N.G. Phillips #32 440 FSL & 979 FEL (P)	Oil	Active	2046-2696	8 5/8 5 1/2	547 3749	350 1050	10 7 7/8	1.32 1.32	7.1565 5.7695	Circ. Circ.	surface surface		surface surface	6/21/1983	30-015-24477
Marbob Energy N.G. Phillips #36 335 FSL & 330 FEL (P)	Oil	Active	2443-2845	8 5/8 5 1/2	500 3012	250 600	10 7 7/8	1.32 1.32	7.1565 5.7695	Surf. Circ.	surface surface		surface 727	3/17/1984	30-015-24776
Marbob Energy N.G. Phillips #3 330 FSL & 330 FEL (P)	Oil	P&A	2082-2092	8 5/8 5 1/2	500 2122	50 135	10 7 7/8	1.32 1.32	7.1565 5.7695		28 1094	146 1351	264 1608	10/7/1960	30-015-01571
Dreyfus Geronimo 27" State #1 700 FSL & 1850 FEL (O)	Gas	Active	9949 10201	13 3/8 9 5/8 5 1/2	435 2649 10659	425 850 1375	17 12 1/4 7 7/8	1.32 1.32 1.32	1.6645 3.1917 5.7695	Circ. Circ.	surface surface			10/2/2000	30-015-31173
T-17-S, R-28-E, Section 34															
BP Amoco Empire Abo Unit E #36 966 FNL & 660 FEL (A)	Oil	Inactive	6258-6288	8 5/8 4 1/2	887 6345	350 750	11 7 7/8	1.32 1.32	3.9321 4.3881		surface 2001	surface	4173	7/18/1960	30-015-01720
Marbob Energy Amoco State A #1 505 FNL & 660 FEL (A)	Oil	Active	2360-2500	8 5/8 5 1/2	578 2534	50 150	10 7 7/8	1.32 1.32	7.1565 5.7695		106 1392	224 1677	342 1963	6/24/1961	30-015-01700
BP Amoco Empire Abo Unit E #361 620 FNL & 1200 FEL (A)	Oil	Inactive	6169-6236	8 5/8 5 1/2	750 6169	300 1020	11 7 7/8	1.32 1.32	3.9321 5.7695	Surf. 240'	surface surface		surface 2285	5/13/1978	30-015-22487
Marbob Energy Corp Amoco State A #3 965 FNL & 330 FEL (A)	Oil	Active	2465-2900	8 5/8 5 1/2	498 3015	350 1150	10 7 7/8	1.32 1.32	7.1565 5.7695	Circ. Circ.	surface surface		surface surface	12/3/1985	30-015-25471

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
BP Amoco Empire Abo Unit #363 650 FNL & 120 FEL (A)	Oil	Inactive	6260-6270	8 5/8 5 1/2	800 6350	450 1650	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 302	surface surface		surface 67	3/3/1970	30-015-22804
Marbob Energy Corp Amoco State A #2 443 FNL & 978 FEL (A)	Oil	Active	2319-2820	8 5/8 5 1/2	505 3082	350 1000	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ.	surface surface		surface surface	1/2/1986	30-015-25508
BP Amoco Empire Abo State #362 1200 FNL & 1200 FEL (A)	Oil	Active	6230-6240	8 5/8 5 1/2	750 6256	650 750	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 381	surface 544		surface 3400	4/5/1979	30-015-22817
BP Amoco Empire Abo Unit E #35 869 FNL & 1967 FEL (B)	Oil	Active	6158-6192	8 5/8 5 1/2	770 6256	450 850	10 7 7/8	1.32 1.32	7.1565 5.7695	Circ. 1450	surface surface		surface 3019	8/2/1960	30-015-01716
Marbob Energy Flaming State #2 355 FNL & 1910 FEL (B)	Oil	Active	2448-2791	8 5/8 5 1/2	470 3042	350 1100	12 1/4 7 7/8	1.32 1.32	2.4219 5.7695	Circ. Circ.	surface surface		surface surface	10/14/1986	30-015-25636
Marbob Energy Amoco State C #1 344 FNL & 1650 FEL (B)	Oil	P&A	2064-2074	8 5/8 5 1/2	594 2176	50 100	10 7 7/8	1.32 1.32	7.1565 5.7695		122 1414	240 1605	358 1795	2/2/1962	30-015-01701
Marbob Energy Flaming State #1 2260 FNL & 1850 FEL (G)	Oil	Active	2406-2867	8 5/8 5 1/2	470 3092	350 1100	10 7 7/8	1.32 1.32	7.1565 5.7695	Circ. Circ.	surface surface		surface surface	4/24/86	30-015-25601
Fulton Co. Pan American #1 2310 FNL & 1650 FEL (G)	Oil	Active	836-854	8 5/8 5 1/2	555 1673	50 75	10 7 7/8	1.32 1.32	7.1565 5.7695		83 1102	201 1245	319 1367	12/17/1974	30-015-01707
BP Amoco Empire Abo Unit F #35 (G) 1939 FNL & 1966 FEL	Oil	Inactive	6228-6276	8 5/8 4 1/2	1000 6336	650 850	11 7 7/8	1.32 1.32	3.9321 4.3881	Circ. 1350	surface 1413		surface 3874	6/30/1960	30-015-01715
BP Amoco Empire Abo Unit F #351 2250 FNL & 1650 FEL (G)	Oil	Inactive	6215-6315	8 5/8 5 1/2	1012 6315	550 1246	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 399	surface surface		surface 1570	9/24/1975	30-015-21537
BP Amoco Empire Abo Unit F #352 1330 FNL & 1980 FEL (G)	Oil	Inactive	6202-6222	8 5/8 5 1/2	753 6283	550 1625	10 7 7/8	1.32 1.32	7.1565 5.7695	Surf. Circ. V @ 300	surface surface		surface 95	11/8/1978	30-015-23628
BP Amoco Empire Abo Unit #36 2263 FNL & 660 FEL (H)	Oil	Active	6275-6303	8 5/8 4 1/2	775 6339	450 950	10 6 1/4	1.32 1.32	7.1565 9.7421	Circ. 975	surface surface		surface 231	7/1/1960	30-015-01719

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Larue, C.E. & Muncy B.M.	Oil	Inactive	2172-2312	8 5/8	450	50	10	1.32	7.1565		surface	96	214	9/1/1961	30-015-01725
Moore State #1				5 1/2	2328	75	7 7/8	1.32	5.7695		1757	1900	2042		
1650 FNL & 330 FEL (H)															
BP Amoco	Oil	Inactive	6233-6245	8 5/8	756	275	11	1.32	3.9321	Surf.	surface		756	3/2/1977	30-015-21963
Empire Abo Unit F #361				5 1/2	6350	1550	7 7/8	1.32	5.7695	Circ.	surface		448		
1765 FNL & 1270 FEL (H)										V @ 434					
Marbob Energy	Oil	Active	2425-2952	8 5/8	505	350	12 1/4	1.32	2.4319	Circ.	505		505	12/31/1985	30-015-25470
Moore State #3				5 1/2	304	1100	7 7/8	1.32	5.7695	Circ.	surface		surface		
2260 FNL & 330 FEL (H)															
BP Amoco	Oil	Inactive	6179-6203	8 5/8	750	500	11	1.32	3.9321	Surf.	surface		surface	11/23/1978	30-015-22630
Empire Abo Unit F #362				5 1/2	6478	1575	7 7/8	1.32	5.7695	Circ.	surface		481		
1850 FNL & 350 FEL (H)										V @ 332					
BP Amoco	Oil	Inactive	6220-6230	8 5/8	750	450	11	1.32	3.9321	Circ.	surface		surface	5/2/1979	30-015-22820
Empire Abo Unit F #363				5 1/2	6348	1600	7 7/8	1.32	5.7695	Circ.	surface		255		
2250 FNL & 1250 FEL (H)										V @ 298					
BP Amoco	Oil	Active	6224-6234	8 5/8	744	450	11	1.32	3.9321	Circ.	surface		surface	7/6/1979	30-015-22927
Empire Abo Unit #364				5 1/2	6350	480	7 7/8	1.32	5.7695	Circ.	2694		4522		
1550 FNL & 750 FEL (H)										V @ 398					
Melroe Energy	Oil	Inactive	2014-2294	7	580	75	8 3/4	1.32	6.6494		surface	86	251	12/12/1956	30-015-22940
Artesia Unit # 24				4 1/2	2320	150	6 1/4	1.32	9.7421		391	873	1356		
1980 FSL & 660 FEL (I)															
BP Amoco	Oil	Inactive	6230-6240	8 5/8	800	450	11	1.32	3.9321	Circ.	surface		surface	3/27/1979	30-015-22823
Empire Abo Unit G #361				5 1/2	6350	1715	7 7/8	1.32	5.7695	Circ.	surface		surface		
2400 FSL & 300 FEL (I)										V @ 450					
BP Amoco	Oil	P&A	6196-6216	8 5/8	839	250	SEE ATTACHED PLUGGING DIAGRA				839		839	5/2/1960	30-015-01706
Empire Abo Unit G #36				5 1/2	6464	450					6464		6464		
2310 FSL & 990 FEL (I)															
Melroe Energy	Oil	Active	1968-2240	8 5/8	540	75	10	1.32	7.1565		surface	9	186	12/6/1956	30-015-01723
Artesia Unit #25				4 1/2	2334	400	8	1.32	4.1891		122	675	1228		
1980 FSL & 1880 FEL (I)															
BP Amoco	Oil	Inactive	6190-6200	8 5/8	600	375	11	1.32	3.9321	Circ.	surface		surface	12/6/1956	30-015-22123
Empire Abo Unit G #351				4 1/2	2334	400	7 7/8	1.32	4.3881	1350	17		1176		
1850 FSL & 1650 FEL (I)															
BP Amoco	Oil	Inactive	6214-6234	8 5/8	750	450	11	1.32	3.9321	Circ.	surface		surface	5/25/1979	30-015-22846
Empire Abo Unit G #352				5 1/2	6351	1700	7 7/8	1.32	5.7695	Circ.	surface		surface		
2200 FSL & 1450 FEL (I)										V @ 301					

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Mess. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
BP Amoco Empire Abo Unit G #353 1420 FSL & 2050 FEL (I)	Oil	Inactive	6218-6238	8 5/8 5 1/2	752 6350	400 1555	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 302	surface surface		surface 429	6/7/1979	30-015-22865
Melrose Energy Artesia Unit #27 705 FSL & 550 FEL (P)	Oil	Inactive	2358-2413	8 5/8 5 1/2	537 2331	50 100	11 8	1.32 1.32	3.9321 5.4303		277 1614	342 1793	407 1973	5/2/1956	30-015-01709
Melrose Energy Artesia Unit #68 2230 FSL & 1765 FEL (I)	Oil	Active	2417-2705	13 3/8 9 5/8 4 1/2	513 2625 3127	525 1200 650	17.5 10 3/4 6 1/4	1.32 1.32 1.32	1.4390 7.9955 9.7421		surface surface surface	surface surface surface	14 surface surface		30-015-26452
Melrose Energy Artesia Unit #71 1734 FSL & 330 FEL (I)	Oil	Active	2274-2816	8 5/8 4 1/2	303 3125	300 700	12 1/4 7 7/8	1.32 1.32	2.4219 4.3881	Circ. Circ.	surface surface		surface surface	3/10/1998 Circ. All strings	30-015-30001
Melrose Energy Artesia Unit #26 330 FSL & 1650 FEL (O)	Oil	Active	2325-2399	8 5/8 5 1/2	538 2325	50 60	10 3/4 7 7/8	1.32 1.32	4.4514 5.7695		244 1868	318 1982		4/1/1956	30-015-01708
BP Amoco Empire Abo Unit #35 970 FSL & 2274 FEL (O)	P&A			8 5/8 5 1/2	805 6289	350 200	SEE ATTACHED PLUGGING DIAGRAM							4/3/1960	30-015-01703
Phillips Gordon Carpers-Levers #3 330 FSL & 1650 FWL (N)	P&A			8 5/8	702	50	SEE ATTACHED PLUGGING DIAGRAM							7/14/1953	30-015-01722
Vintage Drilling Carpers-Levers #2 330 FSL & 330 FWL (M)	Oil	Active	1875-2238 OH	10 8 1/4 5 1/5	313 518 1875	Unk. Unk. 25	Unk. Unk. 7 7/8	1.32 1.32 1.32	5.2206		1703	1746		11/15/1940	30-015-01705
Marbob State D #19 2310 FSL & 330 FEL (I)	Oil	Active	3942-4245	8 5/8 5 1/2	429 4487	350 900	12 1/4 7 7/8	1.32 1.32	2.4219 5.7695	Circ. Circ.				2001	30-015-31389
Dreyfus Gerónimo State #34 #2 1650 FNL & 1140 FEL (H)	Gas	Active	10461- 10472	13 3/8 9 5/8 5 1/2	443 2705 10600	430 1000 1810	17 12 1/4 7 7/8	1.32 1.32 1.32	1.6645 3.1917 5.7695	Circ. Circ.				2001	30-015-31550
T-17-S R-28-E Section 35															
BP Amoco Empire Abo Unit #391 135 FNL & 2567 FEL (B)	Oil	Active	6232-6253	8 5/8 5 1/2	750 6404	500 1750	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 438	surface surface		surface surface	9/2/1976	30-015-21826

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hoie Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Melrose Energy	Oil	Active	2640-2900	13 3/8	400	375	17 1/2	1.32	1.4390	Circ.	surface		surface	1/13/1993	30-015-27161
Artesia Unit #70				9 5/8	2600	1000	12 1/4	1.32	3.1917	Circ.	surface		surface		
915 FNL & 990 FWL (D)				4 1/2	3100	625	7 7/8	1.32	4.3881	Circ.	surface		surface		
Melrose Energy	Oil	Active	2603-2859	8 5/8	355	375	12 1/4	1.32	2.4219	Circ.	surface		surface	10/17/1997	30-015-29700
Artesia Unit #69				5 1/2	2991	750	7 7/8	1.32	5.7695	Circ.	surface		surface		
430 FNL & 990 FWL (D)															
Melrose Energy	Oil	Active	2347-2894	8 5/8	350	375	12 1/4	1.32	2.4219	Circ.	surface		surface	1/11/1998	30-015-29862
Artesia Unit #71 (E)				5 1/2	3004	650	7 7/8	1.32	5.7695	Circ.	surface		surface		
1650 FNL & 330 FWL															
Melrose Energy	Oil	Active	2707-2899	8 5/8	348	350	12 1/4	1.32	2.4219	Circ.	surface		surface	2/27/1998	30-015-29863
Artesia Unit #72				4 1/2	3095	700	7 7/8	1.32	4.3881	Circ.	surface		surface		
2210 FNL & 990 FWL (E)															
Melrose Energy	Oil	Active	2668-2678	8 5/8	311	300	12 1/4	1.32	2.4219	Circ.	surface		surface	2/10/1998	30-015-29998
Artesia Unit #74				4 1/2	2999	700	7 7/8	1.32	4.3881	Circ.	surface		surface		
449 FNL & 1651 FWL (C)															
Melrose Energy	Oil	Active	2610-2798	8 5/8	327	275	12 1/4	1.32	2.4219	Circ.	surface		surface	3/26/1998	30-015-29999
Artesia Unit #75				4 1/2	3000	700	7 7/8	1.32	4.3881	Circ.	surface		surface		
1650 FNL & 1650 FWL (F)															
Melrose Energy	Oil	Active	2588-2912	8 5/8	314	325	12 1/4	1.32	2.4219	Circ.	surface		surface	3/25/1998	30-015-30000
Artesia Unit #76				4 1/2	3120	650	7 7/8	1.32	4.3881	Circ.	surface		surface		
1650 FSL & 1155 FWL (L)															
BP Amoco	Oil	Inactive	6297-6315	8 5/8	750	300	10	1.32	7.1565	Circ.	surface		surface	6/19/1960	30-015-01737
Empire Abo Unit E #40				5 1/2	6405	320*	7 7/8	7.3 & 1.88	5.7695	1467					
660 FNL & 660 FEL (A)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4 % Incor						cas. TO					
Melrose Energy	Oil	Inactive	2160-2236	7	601	75	9 5/8	1.32	4.1996		185	289	393	9/1/1960	30-015-01751
Artesia Unit #8				4 1/2	2257	125	6 1/4	1.32	9.7421		650	1051	1453		
330 FNL & 990 FEL (B)															
BP Amoco	Oil	Inactive	6210-6324	8 5/8	750	275	9 5/8	1.32	10.0423		surface	surface	surface	6/1/1960	30-015-01735
Empire Abo Unit E #39				5 1/2	6350	275*	7 7/8	1.32	5.7695		#VALUE!	1939	#VALUE!		
660 FNL & 1980 FEL (B)				*5 1/2 cm'd w/ 125 sx HYS & 150 sx 4 % Incor								64 % eff.			
BP Amoco	Oil	Inactive	6244-6254	8 5/8	798	450	11	1.32	3.9321	Circ.	surface		surface	4/29/1979	30-015-22818
Empire Abo Unit E #392				5 1/2	6320	1700	7 7/8	1.32	5.7695	Circ.	surface		surface		
959 FNL & 2400 FEL (B)										V@ 302					
BP Amoco	Oil	Inactive	6160-6170	8 5/8	800	450	11	1.32	3.9321	Circ.	surface		surface	5/14/1979	30-015-22819
Empire Abo Unit E #393				5 1/2	6300	1675	7 7/8	1.32	5.7695	Circ.	surface		surface		
1110 FNL & 2250 FEL (B)										V@ 302					

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/ET3	Mess. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
BP Amoco Empire Abo Unit E #395 75 FNL & 1820 FNL (B)	Oil	Inactive	6112-6120	8 5/8 5 1/2	800 6299	450 1260	10 7 7/8	1.32 1.32	7.1565 5.7695	Circ. Circ. V @ 100	surface surface		surface 1501	4/24/1979	30-015-22843
Melrose Energy Artesia Unit #10 360 FNL & 1950 FNL (C)	Oil	Active	2167-2173	7 4 1/2	580 2214	75 125	10 3/4 6 1/4	1.32 1.32	2.7534 9.7421		307 607	376 1008	444 1410	2/12/1961	30-015-01749
BP Amoco Empire Abo Unit E #38 660 FNL & 1980 FNL (C)	Oil	Inactive	6242-6250	8 5/8 5 1/2	737 6344	300 830	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ.	surface 23		surface 3183	6/11/1960	30-015-01736
BP Amoco Empire Abo Unit E #382 1175 FNL & 1316 FNL (C)	Oil	Active	6050-6102	8 5/8 5 1/2	750 6400	500 1825	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 299	surface surface		surface surface	8/17/1976	30-015-21822
BP Amoco Empire Abo Unit E #383 1190 FNL & 1910 FNL (C)	Oil	Inactive	6206-6216	8 5/8 5 1/2	750 6320	350 1450	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 298	surface surface		surface 799	1/26/1979	30-015-22765
BP Amoco Empire Abo Unit E #384 600 FNL & 1400 FNL (C)	Oil	Inactive	6222-6236	8 5/8 5 1/2	750 6300	400 1550	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 300	surface surface		surface 398	1/24/1979	30-015-22766
BP Amoco Empire Abo Unit E #381 1155 FNL & 2475 FNL	Oil	P&A	6236-6264	8 5/8 5 1/2	1000 6385	525 600	SEE ATTACHED PLUGGING DIAGRA			1000	6385		1000 6385	8/8/1975	30-015-21536
Melrose Energy Artesia Unit #11 360 FNL & 360 FNL (D)	Oil	Inactive	2130-2140	4 1/2	2163	450	8	1.32	4.1891		surface	297	919	12/20/1960	30-015-02654
BP Amoco Empire Abo Unit E #37 660 FNL & 660 FNL (D)	Oil	Inactive	6283-6313	8 5/8 5 1/2	751 6350	400 800	12 1/4 7 7/8	1.32 1.32	2.4219 5.7695	46 Circ. 257	surface		112 3304	8/16/1960	30-015-01753
BP Amoco Empire Abo Unit E #371 1195 FNL & 10 FNL (D)	Oil	Inactive	6280-6318	8 5/8 5 1/2	1000 6390	450 550	11 7 7/8	1.32 1.32	3.9321 5.7695	Surf. Circ. V @ 401	surface 2201		surface 4296	7/4/1975	30-015-21535
BP Amoco Empire Abo Unit E #372 100 FNL & 1291 FNL (D)	Oil	Inactive	6252-6270	8 5/8 5 1/2	750 6383	400 1000	11 7 7/8	1.32 1.32	3.9321 5.7695	Surf. Circ. V @ 421	surface surface		surface 2575	8/6/1977	30-015-22203
BP Amoco Empire Abo Unit E #374 220 FNL & 700 FNL (D)	Oil	Inactive	6255-6271	8 5/8 5 1/2	800 6345	450 1425	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 299	surface surface		surface 919	2/11/1979	30-015-22775

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/RT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
BP Amoco Empire Abo Unit E #373 150 FNL & 15 FWL (D)	Oil	P&A	6216-6228	8 5/8 5 1/2	800 6275	480 1300	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 300	surface surface		surface 1325	4/16/1978	30-015-22462
Melrose Energy Artesia Unit #12 1980 FNL & 660 FWL (E)	Oil	Inactive	2262-2270	5 1/2	2640	75	7 7/8	1.32	5.7695	Circ Cmt	2069		2354	12/10/1954 4/17/2001	30-015-01745 Circ. Cmt to surface
BP Amoco Empire Abo Unit F # 37 1850 FNL & 710 FWL (E)	Oil	Inactive	6266-6294	8 5/8 5 1/2	764 6350	350 850	12 1/4 7 7/8	1.32 1.32	2.4219 5.7695	40 Circ.	surface surface		205 3113	8/3/1960	30-015-01752
BP Amoco Empire Abo Unit F #371 2220 FNL & 25 FWL (E)	Oil	Inactive	6186-6200	8 5/8 5 1/2	750 6400	500 2260	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 400	surface surface		surface surface	7/14/1976	30-015-21806
BP Amoco Empire Abo Unit F #374 2525 FNL & 520 FWL (E)	Oil	Inactive	6217-6237	8 5/8 5 1/2	750 6355	400 1400	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 300	surface surface		surface 1024	2/3/1979	30-015-22768
BP Amoco Empire Abo Unit F #376 1335 FNL & 700 FWL (E)	Oil	Inactive	6230-6240	8 5/8 5 1/2	800 6357	500 1900	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 300	surface surface		surface surface	2/22/1979	30-015-22786
BP Amoco Empire Abo Unit F #375 1780 FNL & 1175 FEL (H)	Oil	Inactive	6220-6240	8 5/8 5 1/2	800 6350	600 1550	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 300	surface surface		surface 448	3/1/1979	30-015-22772
BP Amoco Empire Abo Unit F #373 1820 FNL & 150 FWL (E)	Oil	Active	6234-6242	8 5/8 5 1/2	805 6344	400 1476	11 7 7/8	1.32 1.32	3.9321 5.7695	11 500	surface surface		surface 724	5/3/1979	30-015-22805
BP Amoco Empire Abo Unit #372 2490 FNL & 1100 FWL (E)	Oil	P&A	6239-6243	8 5/8 5 1/2	750 6370	300 500	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ. V @ 420	surface surface		surface 4466	8/22/1977	30-015-22137
BP Amoco Empire Abo Unit F #38 1650 FNL & 1650 FWL (F)	Oil	Inactive	6246-6254	8 5/8 5 1/2	720 6404	250 275*	10 7 7/8	1.32 1.32	7.1565 5.7695	Circ. 64 Meas	surface		surface	5/15/1960	30-015-01733
Melrose Energy Artesia Unit #13 1980 FNL & 1980 FWL (E)	Oil	Inactive	2275-2300	5 1/2	2275	80	7 7/8	1.32	5.7695	Circ.	1666		1970	3/3/1955 May-01	30-015-01754 Circ. Cmt to surface
BP Amoco Empire Abo Unit F #382 2400 FNL & 1600 FWL (F)	Oil	Inactive	6204-6214	8 5/8 5 1/2	800 6303	300 1216	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ.	surface surface		21 1673	4/5/1979	30-015-22776

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CNT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
BP Amoco Empire Abo Unit F #383	Oil	Inactive	6188-6200	8 5/8 5 1/2	795 6300	400 1350	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ.	surface surface		surface 1159	4/9/1979	30-015-22806
1600 FNL & 2350 FNL (F)										V @300					
BP Amoco Empire Abo Unit F #381	Oil	Inactive	6215-6234	8 5/8 5 1/2	750 6280	300 262	11 7 7/8	1.32 1.32	3.9321 5.7695	Circ. Circ.	surface 4285		surface 5282	7/20/1977	30-015-22138
1900 FNL & 2260 FNL (F)										V @419					
BP Amoco Empire Abo Unit F #39	Oil	Inactive	6200-6210	8 5/8 5 1/2	708 6350	350 350*	10 7 7/8	1.32 1.32	7.1565 5.7695		surface surface	surface 822	surface	7/13/1960	30-015-01738
11650 FNL & 2310 FEL (G)				*5 1/2 cmt' d w/ 200 sx HYS & 150 sx 4 % Incon								55 % Eff.			

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	75%	@ 50%	Date Drilled	API Number
Melrose Energy	Oil	Inactive	2325-2375	8 5/8	400	30	10	1.32	7.1565		117	258	7/12/1955	30-015-01755
Artesia Unit #14				5	2325	100	7 6/7	1.32	4.9894		1666	1831	1996	
1980 FNL & 1980 FEL (G)														
BP Amoco	Oil	Inactive	6142-6148	13 5/8	745	550	17 1/2	1.32	1.5196	Circ.	surface	193	8/30/1979	30-015-22911
Empire Abo Unit F #391				8 5/8	3010	950	10	1.32	7.1565	Circ.	surface	1921		
1545 FNL & 1625 FEL (G)				5 1/2	6205	1125	7 7/8	1.32	5.7695	Circ.	surface			
BP Amoco	Oil	Inactive	6274-6284	8 5/8	857	375	10	1.32	7.1565	DV @3001	surface	surface	9/6/1961	30-015-01740
Empire Abo Unit F #40				5 1/2	6421	340*	7 7/8	7.3 & 1.88	5.7695		1125			
1650 FNL & 990 FEL (H)				*5 1/2 cmt'd w/ 190 sx HYS & 150 sx 4% Incor							55% Eff.			
Melrose Energy	Oil	Inactive	2350-2367	8 5/8	400	40	10	1.32	7.1565		400	400	2/26/1957	30-015-02126
Artesia Unit #15				5 1/2	2350	100	7 7/8	1.32	5.7695		1588	1779		
1980 FNL & 990 FEL (H)														
Melrose Energy	Oil	P&A	2502-2508	7	598	75	9 3/4	1.32	3.9788		204	303	2/26/1957	30-015-02126
Artesia Unit #20				4 1/2	2525	200	6 1/4	1.32	9.7421		surface	596		
330 FEL & 2310 FSL (I)														
Melrose Energy	Oil	Inactive	2459-2493	8 5/8	573	70	10	1.32	7.1565		surface	77	4/1/1957	30-015-01748
Artesia Unit # 21				4 1/2	2525	300	8	1.32	4.1891		866	1281		
1980 FEL & 1980 FSL (J)														
BP Amoco	Oil	Inactive	6243-6308	8 5/8	757	350	10	1.32	7.1565		surface	surface	8/23/1961	30-015-01739
Empire Abo Unit G #38				5 1/2	6378	320*	7 7/8	7.3 & 1.88	5.7695		1545			
2310 FSL & 1650 FWL (K)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor							55% Eff.			
Melrose Energy	Oil	Inactive	2420-2436	8 5/8	569	75	10	1.32	7.1565		surface	38	3/20/1957	30-015-01747
Artesia Unit #22				4 1/2	2503	300	8	1.32	4.1891		844	1259		
1980 FSL & 1980 FWL (K)														
BP Amoco	Oil	Inactive	6226-6238	8 5/8	720	300	10	1.32	7.1565		surface	surface	6/25/1960	30-015-01734
Empire Abo Unit G #37				5 1/2	6351	320*	7 7/8	7.3 & 1.88	5.7695	1935				
2310 FSL & 330 FWL (L)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor						cas. TO				

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Melrose Energy	Oil	Inactive	2370-2378	7	611	75	8 3/4	1.32	6.6494		surface	117	282	12/22/1956	30-015-01746
Artesia Unit #23				4 1/2	2395	150	6 1/4	1.32	9.7421		466	948	1431		
1980 FSL & 660 FWL (L)															
Yates Drig Co.	Oil	Active	2852-2868	8 5/8	724	250	10	1.32	7.1565		surface	surface	surface	12/19/1960	30-015-01728
Sinclair State #1				4 1/2	296	175	6 1/4	1.32	9.7421		surface	surface	surface		
990 FSL & 400 FWL (M)															
Melrose Energy	Oil	Inactive	OH 2356-2421	8 5/8	552	50	10	1.32	7.1565		80	198	316	5/13/1956	30-015-01732
Artesia Unit #28				5 1/2	2356	100	8 5/8	1.32	4.1520		1808	1945	2082		
990 FSL & 330 FWL (M)															
Melrose Energy	Oil	Active	2454-2467	8 5/8	551	100	11	1.32	3.9321		32	162	291	12/25/1956	30-015-01742
Artesia Unit #29				4 1/2	2494	100	8	1.32	4.1891		1941	2079	2218		
990 FSL & 1650 FWL (N)															
DeKalb Energy	Oil	P&A	2470-2512	8 5/8	546	100	SEE ATTACHED PLUGGING DIAGRAM								30-015-01743
Artesia Unit #30				4 1/2	2494	100							2494		
990 FSL & 2310 FEL (O)															
Melrose Energy	Oil	Inactive	2506-2556	8 5/8	559	100	10	1.32	7.1565		surface	surface	87	1/5/1957	30-015-01744
Artesia Unit #31				4 1/2	2572	100	8	1.32	4.1891		2019	2157	2296		
990 FSL & 990 FEL (P)															
Melbourne	Gas	Inactive	10590-10722	20	39	15	24	1.32	1.0413		18	24	29	6/16/1982	30-015-24059
State BX Com #1				13 3/8	811	950	17 1/2	1.32	1.4390		surface	surface	surface	5/15/1995	
660 FSL & 1980 FEL (O)				8 5/8	2713	1200	10	1.32	7.1565		surface	surface	surface		
				5 1/2	10861	950	7 7/8	1.32	5.7695		3626	5435	7244		
Amoco Production Co.	Gas	Inactive		13 3/8	558	530	17 1/2	1.32	1.4390		surface		55	5/9/1997	30-015-29133
351 Evelyn "35" State Com				9 5/8	2820	1418	12 1/4	1.32	3.1917		surface		surface		
1730 FNL & 660 FEL (H)				5 1/2	10805	1330	7 7/8	1.32	5.7695		676	3208	5741		
Chambers & Kennedy		D&A		8 5/8	824	250	SEE ATTACHED PLUGGING DIAGRAM								30-015-01731
Dell-Taylor State #1															
660 FSL & 1980 FWL (N)															
Hondo Western Yates		D&A		8 5/8	769	350	SEE ATTACHED PLUGGING DIAGRAM								30-015-01741
State "A" #41															
2310 FSL & 2310 FEL (J)															
Melrose Energy	Oil	Inactive	2195-2201	7	599	75	10	1.32	3.5936		243	332	421	8/20/1961	30-015-01750
Artesia Unit #9				4 1/2	2255	125	6 1/4	1.32	9.7421		648	1049	1451		
380 FNL & 2310 FEL (B)															

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Marbob	Oil	Active	3883-4222	8 5/8	519	400	10	1.32	7.1565		surface	surface		3/3/2001	30-015-31424
State D #8				5 1/2	4421	750	7 7/8	1.32	5.7695		surface	137			
430 FNL & 1650 FEL (B)															
Marbob	Oil	Active	3954-4354	8 5/8	512	400	10	1.32	7.1565		surface	surface		4/13/2001	30-015-31425
State D #9				5 1/2	4464	800	7 7/8	1.32	5.7695		surface	surface			
430 FNL & 330 FEL (A)															
Marbob	Oil	Active	3832-4233	8 5/8	515	450	10	1.32	7.1565		surface	surface		2/19/2001	30-015-31423
State D #7				5 1/2	4399	840	7 7/8	1.32	5.7695		surface	surface			
430 FNL & 2310 FWL															
Marbob	Oil	Active	4147-4509	8 5/8	504	400	10	1.32	7.1565		surface	surface		3/6/2001	30-015-31426
State D #17				5 1/2	4599	800	7 7/8	1.32	5.7695		surface	30			
2185 FSL & 2310 FWL (K)															
Marbob	Oil	Active	4010-4359	8 5/8	511	400	10	1.32	7.1565		surface	surface		6/18/2000	30-015-30977
State D #18				5 1/2	4544	1050	7 7/8	1.32	5.7695		surface	surface			
2310 SL & 990 FWL (L)															
Welch	P&A			8 5/8	505	Unk	SEE ATTACHED PLUGGING DIAGRAM							1/7/1957	30-015-01757
Mry-State #4														P&A 2/19/61	
990 FNL & 2310 FWL															
Depco	P&A			8	475	50	SEE ATTACHED PLUGGING DIAGRAM							8/17/1961	30-015-01730
Artesia Unit #12															
1650 FNL & 660 FWL (E)															
Welch	P&A			Unk.		Unk.	SEE ATTACHED PLUGGING DIAGRAM							9/9/2026	30-015-01729
State #1														P&A 8/14/34	
2310 FNL & 250 FWL (E)															
T-17-S, R-28-E, Section 36															
Metrose Energy	Oil	Active	2394-2765	8 5/8	326	275	12 1/4	1.32	2.4219	Circ.	surface	surface		10/10/1998	30-015-30182
Artesia Unit #83				4 1/2	3072	650	7 7/8	1.32	4.3881	Circ.	surface	surface		Circ. All strings	
2630 FSL & 1510 FWL (K)															
Mack Energy	Oil	Active	2379-2486	8 5/8	430	75	10	1.32	7.1565		surface	surface		2/27/1964	30-015-10073
State 647 Ac 724 # 197				4 1/2	2648	150	6 1/4	1.32	9.7421		719	1201	1684		
660 FNL & 1980 FEL (B)															
BP Amoco	Oil	Inactive	6238-6252	8 5/8	748	350	10	1.32	7.1565		surface	surface		10/7/1961	30-015-05760
Empire Abo Unit E #41				5 1/2	6400	320*	7 7/8	7.3 & 1.88	5.7695			55% Eff.			
330 FNL & 330 FWL (D)				*5 1/2 cmt d w/ 170 ss HVS & 150 ss 4% Incon											

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Melrose Energy	Oil	Inactive	2323-2350	8 5/8	610	75	10	1.32	7.1565		surface	79	256	4/26/1963	30-15-10080
Artesia Unit # 7				4 1/2	2364	100	8	1.32	4.1891		1811	1949	2088		
480 FNL & 330 FWL (D)															
Melrose Energy	Oil	P & A	2601-2654	7	605	75	9 3/4	1.32	3.9788		211	310	408	3/13/1957	30-015-01759
Artesia Unit #16				4 1/2	2601	200	6 1/4	1.32	9.7421		29	672	1315		
1980FNL & 660 FWL (E)															
Melrose Energy	Oil	Inactive	2306-2685	8 5/8	594	50	10	1.32	7.1565		122	240	358	5/27/1957	30-015-01761
Artesia Unit # 17				4 1/2	2722	300	8	1.32	4.1891		1063	1478	1893		
1980 FNL & 1980 FWL (F)															
R.B. Operating Co.	Oil	Inactive	2568-2609	8 5/8	422	50	10	1.32	7.1565		surface	68	186	6/7/1965	30-015-10543
Five J #2				5 1/2	2725	100	7 7/8	1.32	5.7695		1963	2154	2344		
1980 FNL & 1980 FEL (G)															
Melrose Energy	Oil	Active	2356-2750	8 5/8	445	75	10	1.32	7.1565		surface	surface	91	6/10/1957	30-015-01762
Artesia Unit #18				4 1/2	2782	200	8	1.32	4.1891		1676	1953	2229		
1980 FSL & 1980 FWL (K)															
Melrose Energy	Oil	Inactive	2536-2548	7	600	75	9 7/8	1.32	3.7776		226	320	413	3/16/1957	30-015-01760
Artesia Unit #19				4 1/2	2677	200	6 1/4	1.32	9.7421		105	748	1391		
1980 FSL & 660 FWL (L)															
Melrose Energy	Oil	WTW	2498-2609	8 5/8	550	50	10	1.32	7.1565		78	196	314	7/21/1956	30-015-01764
Artesia Unit #32				5 1/2	2498	100	8	1.32	5.4303		1781	1960	2140		
990 FSL & 330 FWL (M)															
Melrose Energy	Oil	Inactive	2555-2785	8 5/8	558	50	10	1.32	7.1565		86	204	322	12/26/1956	30-015-01758
Artesia Unit # 33				5 1/2	2693	65	7 7/8	1.32	5.7695		2198	2322	2445		
330 FSL & 1631 FWL (N)															
BFP Amoco	Gas	Inactive	10,780-787	13 3/8	540	640	17 1/2	1.32	1.4390	Surf.	surface	surface	surface	4/18/1996	30-015-28760
Dorothy State 36 C #1				8 5/8	2630	1025	12 1/4	1.32	2.4219	250	surface		992		
1163 FSL & 1647 FWL(N)				7	9800	400	7 7/8	1.32	14.0810	8076	2365		6083		
				5 1/2	3410	750	6 1/8	1.32	25.2246						
				5 1/2" liner set @ 9474 to 10342											
Marbob	Oil	Active	4011-4276	8 5/8	516	400	10	1.32	7.1565		surface	surface		1/15/2001	30-015-31165
State D #10				5 1/2	4490	1150	7 7/8	1.32	5.7695		surface	surface			
330 FNL & 990 FWL (D)															
Marbob	Oil	Not Comp													30-015-30978
State D #25															
330 FNL & 2210 FWL (C)															

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Hughes State A #43	D&A			8 5/8	760	250	SEE ATTACHED PLUGGING DIAGRAM							10/22/1961	30-015-02153
330 FNL & 1650 FWL (C)															
Dreyfus	Gas	Active	7990-8000	13 3/8	444	265	17 1/2	1.32	1.4390	Circ.	surface			2001	30-015-31185
Germino "36" State #1				9 5/8	2652	1200	12 1/4	1.32	3.1917	Circ.	surface				
1060 FNL & 1980 FWL				5 1/2	10892	1560	7 7/8	1.32	5.7695		surface	1982			
Donnelly Drilling	P&A			8 5/8	560	50	SEE ATTACHED PLUGGING DIAGRAM								30-015-01765
Sinclair State B #3															
660 FSL & 1980 FEL (O)															
BP Amoco	Oil	P & A		13 3/8	289	400	17 1/2	1.32	1.4390		surface	surface		4/15/1982	30-015-22543
Empire Abo Unit # 19				8 5/8	2906	1400	12 1/4	1.32	2.4219		surface	surface			
2280 FNL & 660 FEL (H)				5 1/2	11200	2300	7 7/8	1.32	5.7695		surface	surface			
Johnston	P&A			8 5/8	439	50	SEE ATTACHED PLUGGING DIAGRAM							6/16/1965	30-015-10544
Five #4															
1650 FNL & 660 FEL (H)															
T-18-S, R-28-E, Section 1															
Yates Energy	Oil	Active	2581-2652	8 5/8	710	500	10	1.32	7.1565		surface	surface		10/27/1956	30-015-01767
Fullon Collier #1				5 1/2	3410	750	7 7/8	1.32	5.7695	Circ.	surface	554			
330 FNL & 1631 FWL (C)															
T-18-S, R-28-E, Section 2															
Melrose Energy	Oil	Inactive	2460-2686	8 5/8	559	75	10	1.32	7.1565		surface	28	205	5/22/1957	30-015-01783
Artesia Unit #34				5 1/2	2700	100	7 7/8	1.32	5.7695	1460	1938		2319	Well was perfed @ 1820 and sqzd w/ 450 xxs crnt	
330 FNL & 2310 FEL (B)															
Melrose Energy	Oil	Active	2476-2510	8 5/8	550	40	10	1.32	7.1565		172	267	361	2/27/1957	30-015-01785
Artesia Unit #35				5 1/2	2570	70	8	1.32	5.4303		2068	2194	2319		
330 FNL & 1650 FWL (C)															
Melrose Energy	Oil	Inactive	2420-2432	8 5/8	550	50	10	1.32	7.1565		78	196	314	10/24/1956	30-015-01782
Artesia Unit #36				7	2492	100	8	1.32	12.2182		879	1282	1686		
330 FNL & 330 FWL (D)															
T-18-S, R-28-E, Section 3															
Melrose Energy	Oil	Active	2912-2996	8 5/8	320	250	12 1/4	1.32	2.4219	Circ.	surface	surface	surface	3/24/1958	30-015-30002
Artesia Unit #78				4 1/2	3092	350	7 7/8	1.32	4.3881	Circ.	surface				
1650 FNL & 330 FEL (H)															

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Mens. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Melrose Energy	Oil	Active	2403-2415	8 5/8	552	50	10	1.32	7.1565		80	198	316	8/4/1956	30-015-01800
Artesia Unit #37				5 1/2	2457	60	8	1.32	5.4303		2027	2134	2242		
990 FNL & 990 FEL (A)															
Melrose Energy	Oil	Inactive	2310-2325	7	510	100	11	1.32	2.5455		174	258	342	1/28/1956	30-015-02543
Artesia Unit #38				4 1/2	2352	100	6 1/4	1.32	9.7421		1066	1388	1709		
660 FNL & 1980 FEL (B)															
Melrose Energy	Oil	Inactive	2315-2400	8 5/8	521	50	11	1.32	3.9321		261	326	391	11/1/1955	30-015-02542
Artesia Unit #39				5 1/2	2315	75	8	1.32	5.4303		1777	1912	2046		
992 FNL & 2275 FWL (C)															
Melrose Energy	Oil	Inactive	2313-2345	10 1/2	370	Unk.	12 1/4	1.32	4.6034		#VALUE!		#VALUE!	1/1/1927	30-015-01799
Artesia Unit #40				8 1/4	520	Unk.	10	1.32	5.7385		#VALUE!		#VALUE!		
1070 FNL & 1570 FWL (C)				5 3/16	2260	Unk.	8	1.32	4.9413		#VALUE!		#VALUE!		
Melrose Energy	Oil	Inactive	2152-2252	8 1/4	507	50	10	1.32	5.7385		138	223	318	4/16/1941	30-015-01776
Artesia Unit #41				7	2152	100	8	1.32	12.2182		539	942	1346		
330 FNL & 330 FWL (D)															
Melrose Energy	Oil	Inactive	2282-2326	8 5/8	507	50	10	1.32	7.1565		35	153	271	7/1/1955	30-015-02547
Artesia Unit #42				5 1/2	2338	25	7 7/8	1.32	5.7695		2148	2195	2243		
990 FNL & 330 FSL (D)															
Melrose Energy	Oil	Inactive	2280-2420	4 1/2	2302	150	6 1/4	1.32	9.7421	1510	373		1338	12/10/1956	30-015-01796
Artesia Unit #44		WTW						1.32						Well was perfed and sqd w/ cement.	
2310 FNL & 990 FWL (E)														Temp survey showed top @ 1510'	
Melrose Energy	Oil	Inactive	2282-2326	Unk.		Unk.								6/15/1928	30-015-01790
Artesia Unit #43															
1980 FNL & 250 FWL (E)															
Melrose Energy	Oil	Inactive	2390-2400	10	305	Unk.								1927	30-015-01775
Artesia Unit #45				8 1/4	518	Unk.									
2390 FNL & 1570 FEL (F)															
Melrose Energy	Oil	Active	2370-2419	8 5/8	330-530	Unk.								9/30/1955	30-015-02541
Artesia Unit #46				5 1/2	2453	175	8	1.32	5.4303		1199	1512	1826	8 5/8 pulled apart when pulled	
2310 FNL & 2267 FWL (F)															
Melrose Energy	Oil	Inactive	2152-2408	8 5/8	450	75	12	1.32	2.6329		189	255	320	11/9/1956	30-015-02545
Artesia Unit #47				4 1/2	2519	150	8	1.32	4.1891		1690	1897	2104		
1980 FNL & 1980 FEL (G)															
Melrose Energy	Oil	Active	2272-2485	8 5/8	550	75	10	1.32	7.1565		surface	19	196	6/8/1956	30-015-01789
Artesia Unit #48				5 1/2	2500	100	8	1.32	5.4303		1783	1962	2142		
2310 FNL & 990 FEL (H)															

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Melrose Energy	Oil	Active	2190-2525	8 5/8	509	50	10	1.32	7.1565		37	155	273	12/30/1955	30-015-01787
Artesia Unit #52				7	2424	100	8	1.32	12.2182		811	1214	1618		
1650 FSL & 990 FEL (I)															
Melrose Energy	Oil	Inactive	2327-2438	8 5/8	591	50	10	1.32	7.1565		119	237	355	4/1/1956	30-015-07880
Artesia Unit #53				5 1/2	2504	100	8	1.32	5.4303		1787	1966	2146		
1650 FSL & 1650 FEL (I)															
Melrose Energy	Oil	Active	2342-2349	8 1/4	535	50	10	1.32	5.7385		156	251	346	8/11/1955	30-015-01801
Artesia Unit #54				5 1/2	2455	50	7 7/8	1.32	5.7695		2074	2169	2265		
1654 FSL & 2272 FWL (K)															
Melrose Energy	Oil	Inactive	2400-2420	Unk.		Unk.								7/11/1936	30-015-01798
Artesia Unit #55															
2390 FSL & 1570 FWL (K)															
Melrose Energy	Oil	Inactive	2072-2442	7	2072	Unk.								3/28/1936	30-015-01797
Artesia Unit #56															
1570 FSL & 1570 FWL (K)															
Melrose Energy	Oil	P&A	2320-2432	8 1/4	682	Unk.	SEE ATTACHED PLUGGING DIAGRAM							8/23/1927	30-015-01795
Artesia Unit #57				7	619	Unk.									
1570 FSL & 1070 FWL (L)															
Melrose Energy	Oil	Active	2403-2418	10	324	Unk.								1/30/1926	30-015-01791
Artesia Unit #58				8 1/4	635	Unk.									
1070 FSL & 250 FWL (M)															
Melrose Energy	Oil	Inactive	2403-2443	10	354	Unk.								2/23/1926	30-015-01792
Artesia Unit #59				8 1/4	807	Unk.								emp Survey	
330 FSL & 330 FWL (M)				4 1/2	2362	200	6 1/4	1.32	9.7421	1425	surface		1076		
Melrose Energy	Oil	Active	2450-2466 & 2351-61	8	300	Unk.	10	1.32	5.0909	#VALUE!	#VALUE!	145	347	4/1/1955	30-015-02548
Artesia Unit #60				7	750	50	8	1.32	12.2182	surface	surface		surface	qzd in 1980	
1880 FWL & 660 FSL (N)				5	2511	100	7	1.32	7.6364	surface	surface				
Melrose Energy	Oil	P&A	2434-2452	5	2517	100	SEE ATTACHED PLUGGING DIAGRAM						2517	6/3/1955	30-015-02550
Artesia Unit #61															
660 FSL & 2310 FEL (O)															
Melrose Energy	Oil	Active	2433-2512	8 5/8	545	40	10	1.32	7.1565		167	262	356	10/7/1955	30-015-02544
Artesia Unit #62				5 1/2	2433	160	8	1.32	5.4303		1286	1573	1860		
991 FSL & 976 FEL (P)															
Devon Energy Corp.	Gas	Active	10,414-10,424	20	41	15	24	1.32	1.0413	Circ.	20		31	4/19/1982	30-015-24005
Featherstone State #1				13 3/8	415	400	17 1/2	1.32	1.4390	Circ.	surface		35		
1680 FSL & 660 FEL (I)				8 5/8	2813	1675	12 1/4	1.32	2.4219	Circ.	surface		136		
				5 1/2	740	2150	7 7/8	1.32	5.7695	Circ.	surface		surface		

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Mess. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Melroe Artesia Unit #66	P&A			8 5/8	561	300	SEE ATTACHED PLUGGING DIAGRAM							8/31/1970	30-015-20322
1550 FNL 7 1950 FWL (F)				5 1/2	2435	600									
Melroe Artesia Unit #65	WTW	Active	2158-2443	8 5/8	534	250	11	1.32	3.9321		surface	surface		1/14/1970	30-015-20273
2280 FNL & 1980 FEL (G)				4 1/2	2600	625	7 7/8	1.32	4.3881		surface	surface			
Melroe Artesia Unit #67	WTW	Inactive	2388-2426	8 5/8	550	300	10	1.32	7.1565	Circ.	surface	surface		8/31/1970	30-015-20327
2200 FSL & 2200 FWL (K)				5 1/2	2478	575	7 7/8	1.32	5.7695	Circ.	surface	surface			
Flynn Welch State #47 #42	P&A			10	328	Unk.	SEE ATTACHED PLUGGING DIAGRAM							5/13/2026	30-015-01794
2390 FSL & 1070 FWL (L)				8 1/4	723	Unk.									
Flynn Welch State #47 #41	P&A			10	374	Unk.	SEE ATTACHED PLUGGING DIAGRAM							5/7/2026	30-015-01793
1570 FSL & 250 FWL (L)				8 1/4	715	Unk.									
T-18-S, R-28-E, Section 4															
B&W Oil Co. Smith State #1	Oil	Active	2231-2238	8 5/8	485	50	10	1.32	7.1565		13	131	249	8/21/1959	30-015-02556
660 FNL & 660 FEL (A)				4 1/2	2306	100	6 1/4	1.32	9.7421		1020	1342	1663		
Fina Oil & Chemical Humble Stout State #1	Oil	P&A	2505-2526	8 5/8	505	50	10	1.32	7.1565		33	151	269	3/9/1954	30-015-02590
2310 FSL & 330 FEL (I)															
Melroe Energy Levers State #1	Oil	Inactive	2040-2344	10	310	Unk.								9/16/1925	30-015-02580
1070 FSL & 1070 FEL (P)				8 1/4	600	Unk.									
1070 FSL & 1070 FEL (P)				6 5/8	2040	Unk.									
Melroe Energy Levers State #2	Oil	Inactive	2270-2402	8 1/4	520	Unk.								11/29/1925	30-015-02581
250 FSL & 1070 FEL (P)				5 1/2	2310	25	7 7/8	1.32	5.7695		2120	2167	2215		
Melroe Energy Levers State #3	Oil	Inactive	2353-2400	8 1/4	500	Unk.								12/26/1925	30-015-02582
250 FSL & 250 FEL (P)				6 5/8	2151	Unk.									
Melroe Energy Levers State #4	Oil	Inactive	2047-2393	8 1/4	515	Unk.								12/4/1925	30-015-02583
1070 FSL & 250 FEL (P)				6 5/8	2148	Unk.									

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Mess. TOC	75%	@ 50%	Date Drilled	API Number
Fina	Oil	P&A	2414-2416	10	535	Unk.	SEE ATTACHED PLUGGING DIAGRAM						12/1/1925	30-015-02573
Levers State #5				8 1/4	850	Unk.								
1070 FSL & 1570 FEL (O)				6 5/8	869	Unk.								
				4 1/2	244	Unk.								
Mcgonagill	P&A			10 3/4	285		SEE ATTACHED PLUGGING DIAGRAM						12/31/1948	30-015-02557
Carper State #1				8 1/4	535									
330 FNL & 330 FEL (A)				7	1913									
Maloney-Chambers State #1	P&A						SEE ATTACHED PLUGGING DIAGRAM						12/15/2025	30-015-02559
2390 FNL & 1070 FEL (H)														
Frontier Petroleum	P&A						SEE ATTACHED PLUGGING DIAGRAM						12/23/2025	30-015-02565
McQuigg #5														
1570 FSL & 1570 FEL (I)														
Sunray DX Oil	P&A						SEE ATTACHED PLUGGING DIAGRAM						12/25/2025	30-015-02560
Bookman State #1														
1570 FSL & 1070 FEL (I)														
T-18-S, R-28-E, Section 9														
Sandlot Energy	Oil	Active	2318-2436	8 5/8	337	220	10	1.32	7.1565	Circ.	surface	surface	10/1/1985	30-015-25371
Thomas State #2				5 1/2	2493	500	7 7/8	1.32	5.7695	Circ.		589		
330 FNL & 330 FEL (A)														
T-18-S, R-28-E, Section 10														
Melrose Energy	Oil	Inactive	2320-2518	8 5/8	320	50	10	1.32	7.1565		surface	84	2/12/1956	30-015-01808
Dunn B Federal #12				4 1/2	2453	100	6 1/4	1.32	9.7421		1167	1810		
660 FNL & 1980 FEL (B)														
Melrose Energy	WTW	Inactive	2448-2504	7	510	200	9 5/8	1.32	4.1996		surface	surface	6/6/1956	30-015-01812
Dunn B Federal #17				4 1/2	2572	100	6 1/4	1.32	9.7421		1286	1979		
660 FNL & 1980 FWL (C)														
Melrose Energy	Oil	Active	2356-2606	8 5/8	533	75	10	1.32	7.1565		surface	2	10/23/1957	30-015-01815
Dunn B Federal #23				4 1/2	2651	200	6 1/4	1.32	9.7421		79	1365		
660 FNL & 660 FWL (D)														

Wells that pumped HYS 400 cement with a measured TOC,
used to calculate an average cement efficiency for HYS 400

Well Name	TD	HYS-400 Sx	4% Incor. Cmt Sx	TOC	Act. Ft. Created	FT/FT3	Calc. Ft.			Total	% Eff	% Eff W/O highest percent
							Created,	Calc. Ft.	Created,	Calc. Ft.		
Empire Abo Unit D # 38	6,435	162	150	688	5,747	5.77	6,824	1,627	8,451	0.68	0.68	
Empire Abo Unit #39	6,332	170	150	1,535	4,797	5.77	7,161	1,627	8,788	0.55	0.55	
Empire Abo Unit E #40	6,405	170	150	1,467	4,938	5.77	7,161	1,627	8,788	0.56	0.56	
Empire Abo Unit F #38	6,404	125	150	64	6,340	5.77	5,265	1,627	6,892	0.92		
Empire Abo Unit G #37	6,351	170	150	1,935	4,416	5.77	7,161	1,627	8,788	0.50	0.50	
												3.21
												2.29
Average efficiency											0.64	0.57

Wells that pumped cement with a measured TOC
 which are not HYS 400 or using a DV tool,
 used to calculate an average cement efficiency.

Well Name	TD	Cmt Sx	TOC	Act. Ft.		Calc. Ft.		% Eff.
				Created	FT/FT3	Created		
EAU 35	6,199	850	640	5,559	4.388	4,923	1.13	
Walker #4	2,094	575	520	1,574	4.388	3,330	0.47	
EAU D 35	6,240	900	1,700	4,540	4.388	5,213	0.87	
EAU 36	6,271	850	1,890	4,381	5.77	6,474	0.68	
EAU E 36	6,345	750	950	5,395	4.388	4,344	1.24	
EAU E 35	6,256	850	1,450	4,806	5.77	6,474	0.74	
EAU F 35	6,336	850	1,350	4,986	4.388	4,923	1.01	
EAU 36	6,339	950	975	5,364	4.388	5,503	0.97	
AU 59	2,362	200	1,425	937	4.388	1,158	0.81	

7.93

Average % Efficiency 0.88

BP Wells

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
T-17-S R-28-E Section 26														
BP Amoco	Oil	Active	6080-6100	8 5/8	739	300	10	1.32	7.1565	Circ.		6/3/60	30-015-01551	6220
Empire Abo Unit D #37				5 1/2	6218	275*	7 7/8	7.3 & 1.88	5.7695	Circ.				
550 FSL & 820 FWL (M)				*5 1/2 cm'd w/ 125 sx HYS & 150 sx 4% Incor										
T-17-S R-28-E Section 27														
BP Amoco	Oil	Active	6180-6190	8 5/8	751	350	10	1.32	7.1565	Circ.		7/18/60	30-015-01582	6271
Empire Abo Unit #36				5 1/2	6271	850	7 7/8	1.32	5.7695	150'				
330 FSL & 660 FEL (P)														
T-17-S, R-28-E, Section 34														
BP Amoco	Oil	Inactive	6190-6200	8 5/8	600	375	11	1.32	3.9321	Circ.		12/6/56	30-015-22123	6365
Empire Abo Unit G #351				4 1/2	2334	400	7 7/8	1.32	4.3881	1350				
1850 FSL & 1650 FEL (J)														
T-17-S R-28-E Section 35														
BP Amoco	Oil	Inactive	6242-6250	8 5/8	737	300	11	1.32	3.9321	Circ.		6/11/60	30-015-01736	6349
Empire Abo Unit E #38				5 1/2	6344	830	7 7/8	1.32	5.7695	Circ.				
660 FNL & 1980 FWL (C)														
BP Amoco	Oil	Active	6234-6242	8 5/8	805	400	11	1.32	3.9321	11		5/3/79	30-015-22805	6350
Empire Abo Unit F #373				5 1/2	6344	1476	7 7/8	1.32	5.7695	500				
1820 FNL & 150 FWL (E)														
BP Amoco	Oil	Inactive	6246-6254	8 5/8	720	250	10	1.32	7.1565	Circ.		5/15/60	30-015-01733	6404
Empire Abo Unit F #38				5 1/2	6404	275*	7 7/8	7.3 & 1.88	5.7695	64				
1650 FNL & 1650 FWL (F)				*5 1/2 cm'd w/ 125 sx HYS & 150 sx 4% Incor						Meas.				
BP Amoco	Oil	Inactive	6226-6238	8 5/8	720	300	10	1.32	7.1565			6/25/60	30-015-01734	6351
Empire Abo Unit G #37				5 1/2	6351	320*	7 7/8	7.3 & 1.88	5.7695	1935				
2310 FSL & 330 FWL (L)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor						Meas. TOC				
BP Amoco	Oil	Inactive	6210-6324	8 5/8	750	275	9 5/8	1.32	10.0423			6/1/60	30-015-01735	6350
Empire Abo Unit # E-39				5 1/2	6350	275*	7 7/8	7.3 & 1.88	5.7695					
660 FNL & 1980 FEL (B)				*5 1/2 cm'd w/ 125 sx HYS & 150 sx 4% Incor							64% Eff.			

Thickening Time, Hours: Min

Cement Class	% Diamix P	Circulating Bottom Hole Temperature		
		103°F	125°F	172°F
H	20	5:00 +	2:12	0:50
H	40	5:00 +	4:18	1:15
H	50	5:00 +	5:00 +	1:35
H	60	5:00 +	5:00 +	4:15
C	20	4:12	2:12	0:40
C	40	5:00 +	2:36	1:00
C	50	5:00 +	3:07	1:10
C	60	5:00 +	3:45	1:32

Compressive Strength, psi in 24 Hours

Cement Class	% Diamix P	80°F	100°F	140°F	200°F
H	20	414	691	1172	1743
H	40	176	298	771	1354
H	50	98	205	660	1170
H	60	70	120	581	1069
C	20	604	998	1285	2069
C	40	333	548	812	1353
C	50	243	388	780	1240
C	60	198	315	638	1415

HYS-400

HYS-400 has been developed as a high-yield, low-cost slurry for cementing in areas where large slurry volumes are required. HYS-400 provides adequate strength and thickening time for placement under most cementing conditions.

Slurry Composition

Mixture	Cement Class	Water		Slurry Density		Yield cu ft/sk
		gal/sk	cu ft/sk	ppg	pcf	
HYS-400A	A	47.5	6.35	10.6	80.8	7.72
HYS-400P	A	45.1	6.03	10.6	79.5	7.30
HYS-400P	H	45.1	6.03	10.6	79.5	7.30

Thickening Time, Hours: Min

Mixture	Cement Class	8000 ft *125°F	10,000 ft *144°F	12,000 ft *172°F	14,000 ft *206°F
HYS-400A	A	4:45	3:20	2:15	1:20
HYS-400P	A	5:00 +	5:00 +	2:02	1:15
HYS-400P	H	5:00 +	5:00 +	5:00 +	1:21

*Circulating bottom hole temperature

Compressive Strength, psi in 24 Hours

Mixture	Cement Class	100°F	140°F	200°F	260°F
HYS-400A	A		450	2200	877
HYS-400P	A	50	200	455	520
HYS-400P	H	34	206	313	445

HYSWELLS

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. Sacks	REPTD TOC	Meas. TOC	Date Drilled	API Number	TD
T-17-S R-28-E Section 25											
BP Amoco	Oil	Inactive	6300-6316	8 5/8	738	375		surface	8/20/60	30-015-01537	6392
Empire Abo Unit D 42				5 1/2	6383	320*		1550			
660 FSL & 1980 FWL (N)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
T-17-S R-28-E Section 26											
BP Amoco	Oil	Active	6152-6172	8 5/8	720	350		surface	7/22/60	30-015-01554	6326
Empire Abo Unit #39				5 1/2	6326	320*		1493			
1650 FSL & 1980 FEL (J)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	P&A	6198-6224	8 5/8	720	375		surface	7/8/60	30-015-01553	6310
Empire Abo Unit C #38				5 1/2	6310	340*		1014			
1650 FSL & 1980 FWL (K)				*5 1/2 cm'd w/ 190 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Active	6060-6080	8 5/8	738	350		surface	8/27/60	30-015-01557	6280
Empire Unit #37				5 1/2	6226	320*		1393			
1650 FSL & 990 FWL (L)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Active	6080-6100	8 5/8	739	300		surface	6/3/60	30-015-01551	6220
Empire Abo Unit D #37				5 1/2	6218	275*		2428		Circulate to surface after squeeze job	
550 FSL & 820 FWL (M)				*5 1/2 cm'd w/ 125 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Inactive	6158-6170	8 5/8	739	300			6/18/60	30-015-01550	6435
Empire Abo Unit D # 38				5 1/2	6435	312*					
330 FSL & 2310 FWL (N)				*5 1/2 cm'd w/ 162 sx HYS & 150 sx 4% Incor							
BP Amoco	Oil	Active	6208-6222	8 5/8	732	300			7/1/60	30-015-01552	6332
Empire Abo Unit #39				5 1/2	6332	320*		1535			
330 FSL & 1980 FEL (O)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor							
BP Amoco	Oil	Active	6199-6219	8 5/8	714	375		surface	7/25/60	30-015-01555	6330
Empire Abo Unit #40				5 1/2	6330	320*		1497			
660 FSL & 660 FEL (P)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
T-17-S R-28-E Section 35											
BP Amoco	Oil	Inactive	6297-6315	8 5/8	750	300			6/19/60	30-015-01737	6405
Empire Abo Unit E #40				5 1/2	6405	320*		1467			
660 FSL & 660 FEL (A)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor							

Cal

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Old wells

These are wells drilled in the 1920's and have no data available on them.

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. Sacks	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
T-17-S R-28-E Section 35											
Welch State #1	P&A			Unk.		Unk.			9/9/26	30-015-01729	2710
2310 FNL & 250 FWL (E)									P&A 8/14/34		
T-18-S, R-28-E, Section 3											
Melrose Energy	Oil	Inactive	2313-2345	10 1/2	370	Unk.			1/1/27	30-015-01799	2365
Artesia Unit #40				8 1/4	520	Unk.					
1070 FNL & 1570 FWL (C)				5 3/16	2260	Unk.					
Melrose Energy	Oil	Inactive	2282-2326	Unk.	Unk.	Unk.			6/15/28	30-015-01790	2366
Artesia Unit #43											
1980 FNL & 250 FWL (E)											
Melrose Energy	Oil	Inactive	2390-2400	10	305	Unk.			1927	30-015-01775	2965
Artesia Unit #45				8 1/4	518	Unk.					
2390 FNL & 1570 FEL (F)											
Melrose Energy	Oil	Inactive	2400-2420	Unk.	Unk.	Unk.			7/11/26	30-015-01798	2442
Artesia Unit #55											
2390 FSL & 1570 FWL (K)											
Melrose Energy	Oil	Inactive	2072-2442	7	2072	Unk.			3/28/26	30-015-01797	2442
Artesia Unit #56											
1570 FSL & 1570 FWL (K)											
Melrose Energy	Oil	P&A	2320-2432	8 1/4	682	Unk.			8/23/27	30-015-01795	2438
Artesia Unit #57				7	619	Unk.					
1570 FSL & 1070 FWL (L)											
Melrose Energy	Oil	Active	2403-2418	10	324	Unk.			1/30/26	30-015-01791	2445
Artesia Unit #58				8 1/4	635	Unk.					
1070 FSL & 250 FWL (M)											

Old wells

Melrose Energy	Oil	Inactive	2403-2443	10	354	807	Ukn.			2/23/26	30-015-01792	2474
Artesia Unit # 59				8 1/4			Ukn.					
330 FSL & 330 FWL (M)				4 1/2	2362		200	1425		Temp Survey		
Flynn Welch	P&A			10	328		Ukn.			5/13/26	30-015-01794	2432
State 647 #42				8 1/4	723		Ukn.					
2390 FSL & 1070 FWL (L)												
Flynn Welch	P&A			10	374		Ukn.			5/7/26	30-015-01793	2428
State 647 #41				8 1/4	715		Ukn.					
1570 FSL & 250 FWL (L)												
T-18-S, R-28-E, Section 4												
Melrose Energy	Oil	Inactive	2040-2344	10	310		Ukn.			9/16/25	30-015-02580	2344
Livers State #1				8 1/4	600		Ukn.					
1070 FSL & 1070 FEL (P)				6 5/8	2040		Ukn.					
Melrose Energy	Oil	Inactive	2270-2402	8 1/4	520		Ukn.			11/29/25	30-015-02581	2402
Livers State #2				5 1/2	2310		25	2167				
250 FSI & 1070 FEL (P)												
Melrose Energy	Oil	Inactive	2353-2400	8 1/4	500		Ukn.			12/26/25	30-015-02582	2400
Livers State #3				6 5/8	2151		Ukn.					
250 FSI & 250 FEL (P)												
Melrose Energy	Oil	Inactive	2047-2393	8 1/4	515		Ukn.			12/4/25	30-015-02583	2417
Livers State #4				6 5/8	2148		Ukn.					
1070 FSL & 250 FEL (P)												
Fina	Oil	P&A	2414-2416	10	535		Ukn.			12/1/25	30-015-02573	2416
Livers State #5				8 1/4	850		Ukn.					
1070 FSL & 1570 FEL (O)				6 5/8	869		Ukn.					
				4 1/2	244		Ukn.					
Maloney-Chambers	P&A									12/15/25	30-015-02559	2500
State #1												
2390 FNL & 1070 FEL (H)												
Frontier Petroleum	P&A									12/23/25	30-015-02565	2408
McQuigg #5												
1570 FSL & 1570 FEL (J)												

P₃

Wells Without Surf pipe

Well and Location	Type	Status	Locator	Comment	Recommended Action
Marbob Energy	Oil	P&A	Page 3	P&A	No action
N.G. Phillips #5					fresh water protected
1650 FSL & 1650 FEL (J)					
Marbob Energy	Oil	Active	Page 3	Cement to surf	No action
Walker State #2					fresh water protected
330 FSL & 1650 FEL (O)					
Melrose Energy	Oil	Inactive	Page 9	Calc TOC	No action
Artesia Unit #11				(@ 919 ft)	fresh water protected
360 FNL & 360 FWI (D)					
Melrose Energy	Oil	Inactive	PAGE 17	1515'	No action
Artesia Unit #44		WTW		measured	fresh water protected
2310 FNL & 990 FWL (E)					
Melrose Energy	Oil	Inactive	Page 17		Dig out well head
Artesia Unit #43					If surface is present
1980 FNL & 250 FWL (E)					fresh water protected
Melrose Energy	Oil	Inactive	Page 18		Dig out well head
Artesia Unit #56					If surface is present
1570 FSL & 1570 FWL (K)					fresh water protected
Melrose Energy	Oil	Inactive	Page 18		Dig out well head
Artesia Unit #55					If surface is present
2390 FSL & 1570 FWL (K)					fresh water protected
Melrose Energy	Oil	P&A	Page 18		Well Plugged
Artesia Unit #61					fresh water protected
660 FSL & 2310 FEL (O)					

WELLS WITHOUT SUFFICIENT CEMENT IF		
	50 % EFF. FACTOR USED	
Well Name	Reference page # of 1/2 mile radius data	
Larue, C.E. & Muncy B.M.		
Moore State #1	page 6	
1650 FNL & 330 FEL (H)		
Melrose Energy	page 15	
Artesia Unit # 7		
480 FNL & 330 FWL (D)		
Melrose Energy		
Artesia Unit #53	Page 18	
1650 FSI & 1650 FEL (J)		
Melrose Energy	Page 15	
Artesia Unit # 33		
330 FSL & 1631 FWL (N)		
Melrose Energy	Page 16	
Artesia Unit #35		
330 FNL & 1650 FWL (C)		
Melrose Energy	Page 17	
Artesia Unit #37		
990 FNL & 990 FEL (A)		
Melrose Energy		
Artesia Unit #54	Page 18	
1654 FSI & 2272 FWL (K)		

Plugged wells with issues

Well and Location	Status	Comment	Recommended Action
Maloney-Chambers State #1 2390 FNL & 1070 FEL (H)	Plugged	D&A No Plugging Report	No Action Required Well is nearly 1/2 mile from proposed injection well This well is an area where the reservoir is non productive Because of low perm Producers will be drilled between this wellbore and the proposed injection well

Wells Without Surf pipe

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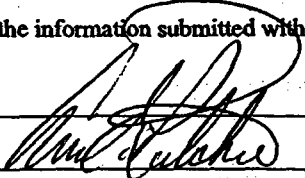
Wells Without Surf pipe

Well and Location	Type	Status	Locator	Comment	Recommended Action
Marbob Energy	Oil	P&A	Page 3	P&A	No action
N.G. Phillips #5					fresh water protected
1650 FSL & 1650 FEL (J)					
Marbob Energy	Oil	Active	Page 3	Cement to surf	No action
Walker State #2					fresh water protected
330 FSL & 1650 FEL (O)					
Melrose Energy	Oil	Inactive	Page 9	Calc TOC	No action
Artesia Unit #11				((@ 919 ft)	fresh water protected
360 FNL & 360 FWI (D)					
Melrose Energy	Oil	Inactive	PAGE 17		No action
Artesia Unit #44		WTW			fresh water protected
2310 FNL & 990 FWL (E)					
Melrose Energy	Oil	Inactive	Page 17		Dig out well head
Artesia Unit #43					If surface is present
1980 FNL & 250 FWL (E)					fresh water protected
Melrose Energy	Oil	Inactive	Page 18		Dig out well head
Artesia Unit #56					If surface is present
1570 FSL & 1570 FWL (K)					fresh water protected
Melrose Energy	Oil	Inactive	Page 18		Dig out well head
Artesia Unit #55					If surface is present
2390 FSL & 1570 FWI (K)					fresh water protected
Melrose Energy	Oil	P&A	Page 18		Well Plugged
Artesia Unit #61					fresh water protected
660 FSL & 2310 FEL (O)					

Wells Without Surf pipe

[illegible]

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Melrose Operating Company
ADDRESS: c/o P.O. Box 953, Midland, TX 79702
CONTACT PARTY: Ann E. Ritchie PHONE: 915 684-6381
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? X Yes No
If yes, give the Division order number authorizing the project: all prior orders/hearings attached
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Ann E. Ritchie TITLE: Regulatory Agent
SIGNATURE:  DATE: 8-29-01 (amended)
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.
Please show the date and circumstances of the earlier submittal: 8-25-00

Melrose Operating Company

Artesia Unit, Well Numbers 2, 3, 10, 11, 12, 13, 16, 17, 18, 19, 44, 46, 54 & 57
Section 26, 35, 36, T17S, R28E & Section 3, T18S, R28E
Eddy County, New Mexico

ATTACHMENT A

III. WELL DATA

Section A:

1. Lease Name: Artesia Unit
Locations: See table attached
2. Casing & Cement: Wellbore Diagrams & Spreadsheet attached
3. Tubing: 2 3/8" plastic coated tubing w/Baker Model R packer, set
Approximately 70-80' above perforations.

Section B:

1. Injection Formations: Penrose-Queen-Grayburg-San Andres
Field Name: Artesia, Queen-Grayburg-San Andres
2. Injection Interval: Approximate depth among 14 applied for wells: 1800-2750'.
3. Original purpose of wells: Drilled for production of oil/gas
4. No other perforated intervals.
5. Next High gas/oil zone: Penrose @ approximately 1650'
Next Lower gas/oil zone: Abo @ approximately 6200'

IV. This is an expansion of an existing project (copies of prior order submitted).

V. Map attached – all wells within 1/2 mile radius are of review

VI. AREA OF REVIEW

There are extensive wells within the 1/2 mile area of review for each of the 14 wells that are included in this application as designated in the wellbore spreadsheet attached.

VII. Operation Data:

1. Proposed average daily injection volume: 150 bbls per day
Proposed maximum daily injection volume: 400 bbls/day
2. These wells will operate within a closed system.
3. Proposed average daily injection pressure: 400 psi
Proposed maximum daily injection pressure: .2 psi to top perforation.
Step rate tests will be performed and provided to the Oil Conservation Division for review in order to operate at increased injection pressures, if necessary.
4. Sources of injection water will be from the Penrose/Queen/Grayburg/San Andres.
4. Chlorides are as listed in the attached Water Analysis.

VIII. Geological Data:

Information pertaining to the lithological details and thickness are as stated in the attached "Geological Statement".

- IX: Stimulation Program:** At this time no stimulation program is proposed for the injection interval.
- X. Logs** have been previously submitted for the Artesia Unit, recent logs from wells drilled within the last year will also be submitted.
- XI. Fresh Water:**
The fresh water is estimated to be @ 350-400' according to New Mexico Oil Conservation Division recommendations for this area & by landowner.
(Fresh water analysis attached)
- XII. Statement:**
To the best of current knowledge of the area there is no evidence of open faults or other hydrologic connection between the injection zone and any underground sources of drinking water.
- XIII. Proof of notice** attached/newspaper certification.
- XIV. Certification:** OCD, Form C-108 "Application for Authorization to Inject"

Offset Operators: (Melrose Operating Company – Artesia

*The current
status of offsets
needs to be
confirmed 4/03*

A copy and/or notification of the C-108 authorization to I
the following operators:

: to

Vastar Resources
15375 Memorial Dr.
Houston, TX 77079-4101

Yates Drilling Co.
110 S. 4th St., Yates Bldg.
Artesia, NM 88210

Marbob Energy
P.O. Box 227
Artesia, NM 88211-0227

Fulton Co.
P.O. Box 1121
Artesia, NM 88210

Mewbourne Oil
P.O. Box 7698
Tyler, TX 75711-7698

Laure, C.E. Muncy
P.O. Box 1370
Artesia, NM 88211-1370

Y
P
R

R.B. Operating
5100 E. Skelly, Suite 650
Meridian Tower
Tulsa, OK 74135-6549

Br
P.O.
Mid

W.E. Jeffers
P.O. Box 65
Artesia, NM 88210

Sand
P.O. Box 711
Lovington, NM 88260

B & W Oil Co.
R-252 N. Haldeman RD
Artesia, NM 88210

Vintage Drilling
P.O. Box 158
Loco Hills, NM 88255

BP Permian Business Unit (Arco)
501 Westlake Park Blvd., WL Suite 200
Houston, TX 77070

Louis Dreyfus Natural Gas Corp.
14000 Quail Springs, Pky, Ste 600
Oklahoma City, OK 73134

Devon Energy Corporation
20 North Broadway, Suite 1500
Oklahoma City, OK 73102

Surface Owners:

Bogle LTD, P.O. Box 441, Artesia, NM 88210
State of New Mexico, Commissioner of Public Lands, P.O. Box 1148, Santa Fe, NM 87504-1148

*Tom Calahan
505-982-4285*

Melrose Operating Company

Artesia Unit

Injection Application for Waterflood Expansion

Hearing Date: September 6, 2001

Well Numbers and Locations:

Well #2	330' FSL & 330' FWL	Section 26	T17S R28E
Well #3	330' FSL & 1750' FWL	Section 26	T17S R28E
Well #10	330' FNL & 1950' FWL	Section 35	T17S R28E
Well #11	360' FNL & 360' FWL	Section 35	T17S R28E
Well #12	1980' FNL & 660' FWL	Section 35	T17S R28E
Well #13	1980' FNL & 1980' FWL	Section 35	T17S R28E
Well #16	1980' FNL & 660' FWL	Section 36	T17S R28E
<i>well #17</i>			
Well #18	1980' FSL & 1980' FWL	Section 36	T17S R28E
Well #19	1980' FSL & 660' FWL	Section 36	T17S R28E
Well #44	1980' FNL & 1070' FWL	Section 3	T18S R28E
Well #46	2310' FNL & 2267' FWL	Section 3	T18S R28E
Well #54	1654' FSL & 2272' FWL	Section 3	T18S R28E
Well #57	1570' FSL & 1070' FWL	Section 3	T18S R28E

Eddy County, New Mexico

Artesia; Queen-Grayburg-San Andres Pool

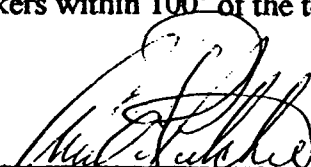
Melrose Operating Company
Artesia Unit
Sections 26, 35, 36 in T17S, R28E &
Section 3, T18S, R28E
Eddy County, New Mexico

Concerning the injection/waterflood application for Wells #2, 3, 10, 11, 12, 13, 16, 17, 18, 19, 44, 46, 54, and 57, all of the wells were initially drilled and completed for oil/gas production to the best of my knowledge.

The perforations designated on the wellbore diagrams included in this application are the existing perforations, excluding Wells # 16 & 57 which are P & A and will be drilled out to open the existing perms/open hole interval as designated on the wellbore diagram.

The Abo formation underlies the Grayburg/San Andres/Penrose in this area at an approximate depth of 6200'.

Upon approval of the Artesia Unit injection well(s) application, Melrose intends to pull out all existing tubing in the wells and run 2 3/8" plastic coated tubing with Baker Model R packers within 100' of the top perforation or open hole interval.



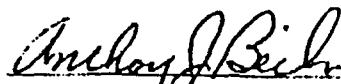
Ann E. Ritchie, Regulatory Agent
Melrose Operating Company
C/o P.O. Box 953
Midland, TX 79702
(915) 684-6381

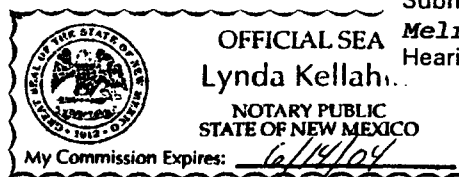
Attachment to Oil Conservation Division Form C-108 "Application for Authorization to Inject"

Geological Statement

C-108
APPLICATION FOR AUTHORIZATION TO INJECT
ARTESIA UNIT

The proposed injection zones are Grayburg-Upper San Andres formations approximately 1800 to 2700 feet. The formations consist of dolomite and sandstones with alternating beds of silty to sandy dolomite and gray arkosic sandstones. Generally, the gross thickness of the Grayburg ranges from 300 to 400 feet thick and the Upper San Andres ranges from 350 to 400 thick. Both of these zones have historically flooded very well and are still actively being flooded in other leases in the area. There is no know sources of drinking water underlying the injection interval.


Anthony L. Beilman, PE



KELLAHIN AND KELLAHIN

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2265

SANTA FE, NEW MEXICO 87504-2265

W. THOMAS KELLAHIN*

*NEW MEXICO BOARD OF LEGAL SPECIALIZATION
RECOGNIZED SPECIALIST IN THE AREA OF
NATURAL RESOURCES-OIL AND GAS LAW

JASON KELLAHIN (RETIRED 1991)

TELEPHONE (505) 982-4285
TELEFAX (505) 982-2047

July 19, 2001

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

TO: NOTICE OF THE HEARING OF THE FOLLOWING
NEW MEXICO OIL CONSERVATION DIVISION CASE:

*Re: Application of Melrose Operating Company
for the expansion of its Artesia Unit Waterflood Project
and to amend Division Administrative Order WFX-768
Eddy County, New Mexico*

On behalf of Melrose Operating Company, please find enclosed a copy of our referenced application which will be heard by the New Mexico Oil Conservation Division Examiner at 8:15 AM on August 9, 2001. The hearing will be held at the Division hearing room located in the Pinon Building, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505 (phone 505-476-3440).

As a party who may be affected by this application, we are notifying you of your right to appear at the hearing and participate in this case, including the right to present evidence either in support of or in opposition to the application. You are not required to attend this hearing, but failure to appear at the hearing and become a party of record will preclude you from challenging the matter at a later date.

Pursuant to Division Rule 1208.B, you are further notified that if you desire to appear in this case, then you are required to file a Pre-Hearing Statement with the Division not later than 4:00 PM on Friday, August 3, 2001, with a copy delivered to the undersigned. This statement must include: the names of the parties and attorneys; a concise statement of your position in this case; the names of all witnesses you will call to testify at the hearing; the approximate time you will need to present your case and identification of any procedural matters that area to be resolve prior to the hearing.

Very truly yours,



W. Thomas Kellahin

OFFSET OPERATORS NOTIFICATION

A copy of the C-108 Authorization to Inject application has been sent to the following operators by certified mail. Surface owners or offset operators must file any objections or requests for hearing of administrative application within 15 days from the date this application was mailed to them.

Vastar Resources
15375 Memorial Dr.
Houston, TX 77079-4101

Marbob Energy
PO Box 227
Artesia, NM 88211-0227

Mewbourne Oil
PO Box 7698
Tyler, TX 75711-7698

Larue, C.E. Muncy
PO Box 1370
Artesia, NM 88211-1370

R.B. Operating
5100 E. Skelly STE 650
Meridian Tower
Tulsa, OK 74135-6549

W.E. Jeffers
PO Box 65
Artesia, NM 88210

B&W Oil Co
R-252 N. Haldeman RD
Artesia, NM 88210

BP Permian Business Unit (Arco)
501 Westlake Park Blvd. WL Suite 200
Houston, TX 77070

Yates Drilling Co.
110 S. 4th Street Yates Bldg
Artesia, NM 88210-2123

Fulton Co.
PO Box 1121
Artesia, NM 88211-1121

Mack Energy
PO Box 400
Duncan, OK 73534-0400

*P.O. Box 960
Artesia, NM
88211-0960*

Yates Energy
PO Box 2323
Roswell, NM 88202-2323

Brothers Production Co.
PO Box 7515
Midland, TX 79708

Sandlott Energy
PO Box 711
Lovington, NM 88260

Surface Owners:

Bogle LTD
PO Box 441
Artesia, NM 88210

State Of New Mexico
Commissioner of Public Lands
PO Box 1148
Santa Fe, NM 87504-1148

U.S. Postal Service

CEP
(Domestic Return Receipt)

Melrose
Waterflood Project
August 9, 2001
7/19/01

7001 0360 0001 0170 3234

7001 0360 0001 0170 3234

Certified Fee

Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage

Sent To
RB Operating
5100 E Skelly Ste 650
Meridian Tower
Tulsa, OK 74135-6549

Street, Apt
or PO Box
City, State, ZIP+4

PS Form 3800, January 2001

See Reverse for Instructions

Postmark
Here

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
Print your name and address on the reverse so that we can return the card to you.
Attach this card to the back of the mailpiece.
State of New Mexico
Commissioner of Public Lands
PO Box 1148
Santa Fe, NM 87504-1148

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery
C. Signature
D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

☒ Agent
☐ Addressee

JUL 20 2001

Melrose
Waterflood Project
August 9, 2001
7/19/01

Article Number (Copy from service label)

7001 0360 0001 0170 3234

Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
Print your name and address on the reverse so that we can return the card to you.
Yates Energy
PO Box 2323
Roswell, NM 88202-2323

1. Art

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery
C. Signature
D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

2. Article Number (Copy from service label)

PS Form 3811, July 1999

7001 0360 0001 0170 3135

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
Print your name and address on the reverse so that we can return the card to you.
WE Jeffers
PO Box 65
Artesia, NM 88210

1. Art

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery
C. Signature
D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

2. Article Number (Copy from service label)

PS Form 3811, July 1999

7001 0360 0001 0170 3203

Domestic Return Receipt

102595-00-M-0952

ER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you.

Bogle LTD
PO Box 441
Artesia, NM 88210

1. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3142

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

Francis Clark

B. Date of Delivery

7-24-01

C. Signature

Francis Clark

☐ Agent

☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

☒ No

If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3210

Domestic Return Receipt

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Mewbourne
PO Box 7698
Tyler, TX 75711-7698

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3173

PS Form 3811, July 1999

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

HENRY GRANVILLE

B. Date of Delivery

7-24-01

C. Signature

X Henry Granville

☐ Agent

☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

☒ No

If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3173

PS Form 3811, July 1999

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Marbob Energy
PO Box 227
Artesia, NM 88211-0227

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3166

PS Form 3811, July 1999

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

MISTY MCLURG

B. Date of Delivery

7-23-01

C. Signature

X Mista-Mclurg

☐ Agent

☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

☒ No

If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3166

PS Form 3811, July 1999

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Marbob Energy
PO Box 227
Artesia, NM 88211-0227

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3142

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

Tim McLean

B. Date of Delivery

7-24-01

C. Signature

X Tim McLean

☐ Agent

☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

☒ No

If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3142

Domestic Return Receipt

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Bogle LTD
PO Box 441
Artesia, NM 88210

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3142

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

Francis Clark

B. Date of Delivery

7-24-01

C. Signature

Francis Clark

☐ Agent

☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

☒ No

If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

2. Article Number (Copy from service label)

3811, July 1999

7001 0360 0001 0170 3210

Domestic Return Receipt

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
Print your name and address on the reverse so that we can return the card to you.

Yates Drilling Co.
110 S 4th Street Yates Bldg
Artesia, NM 88211-1121

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) Don Yates B. Date of Delivery 07-25-2001

C. Signature [Signature] ☒ Agent ☐ Addressee

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

Article Number (Copy from service label)

7001 0360 0001 0170 3111

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
Print your name and address on the reverse so that we can return the card to you.

Mack Energy
PO Box 960
Artesia, NM 88211-0960

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) Lisa Clayton B. Date of Delivery 7-23-01

C. Signature [Signature] ☒ Agent ☐ Addressee

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

Article Number (Copy from service label)

7001 0360 0001 0170 3128

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
Print your name and address on the reverse so that we can return the card to you.

Yates Drilling Co.
110 S 4th Street Yates Bldg
Artesia, NM 88210-2123

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) Don Yates B. Date of Delivery 07-23-2001

C. Signature [Signature] ☒ Agent ☐ Addressee

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

Article Number (Copy from service label)

7001 0360 0001 0170 3104

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
Print your name and address on the reverse so that we can return the card to you.

Sandlott Energy
PO Box 711
Lovington, NM 88260

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) [Signature] B. Date of Delivery 07-23-01

C. Signature [Signature] ☒ Agent ☐ Addressee

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

Melrose
Waterflood Project
August 9, 2001
7/19/01

Article Number (Copy from service label)

7001 0360 0001 0170 3098

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.

Print your name and address on the reverse so that we can return the card to you.

Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

BP Permian Business Unit (ARCO)

501 Westlake Park Blvd.

WL Suite 200

Houston, TX 77070

Article Number (Copy from service label)

7001 0360 0001 0170 3180

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

Edgar Rivera 7-23-01

C. Signature

X

D. Is delivery address different from item 1? ☐ Yes ☐ No

If YES, enter delivery address below:

Melrose

Waterflood Project

August 9, 2001

7/19/01

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.

Print your name and address on the reverse so that we can return the card to you.

Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Larue C.E. Muncy

PO Box 1370

Artesia, NM 88211-1370

Article Number (Copy from service label)

7001 0360 0001 0170 3180

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

Angel Rivera 7-24-01

C. Signature

X

D. Is delivery address different from item 1? ☐ Yes ☐ No

If YES, enter delivery address below:

Melrose

Waterflood Project

August 9, 2001

7/19/01

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.

Print your name and address on the reverse so that we can return the card to you.

Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

BP Permian Business Unit (ARCO)

501 Westlake Park Blvd.

WL Suite 200

Houston, TX 77070

Article Number (Copy from service label)

7001 0360 0001 0170 3241

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

Edgar Rivera 7-23-01

C. Signature

X

D. Is delivery address different from item 1? ☐ Yes ☐ No

If YES, enter delivery address below:

Melrose

Waterflood Project

August 9, 2001

7/19/01

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.

Print your name and address on the reverse so that we can return the card to you.

Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Larue C.E. Muncy

PO Box 1370

Artesia, NM 88211-1370

Article Number (Copy from service label)

7001 0360 0001 0170 3227

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

Angel Rivera 7-24-01

C. Signature

X

D. Is delivery address different from item 1? ☐ Yes ☐ No

If YES, enter delivery address below:

Melrose

Waterflood Project

August 9, 2001

7/19/01

BEFORE THE
OIL CONSERVATION DIVISION
Case No.12709 Exhibit No. 3
Submitted By:
Melrose Operating Co.
Hearing Date: September 6, 2001

KELLAHIN AND KELLAHIN

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2265

SANTA FE, NEW MEXICO 87504-2265

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TELEFAX (505) 982-2047

W. THOMAS KELLAHIN*

*NEW MEXICO BOARD OF LEGAL SPECIALIZATION
RECOGNIZED SPECIALIST IN THE AREA OF
NATURAL RESOURCES-OIL AND GAS LAW

JASON KELLAHIN (RETIRED 1991)

August 29, 2000

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

**TO: NOTICE OF THE HEARING OF THE FOLLOWING
NEW MEXICO OIL CONSERVATION DIVISION CASE:**

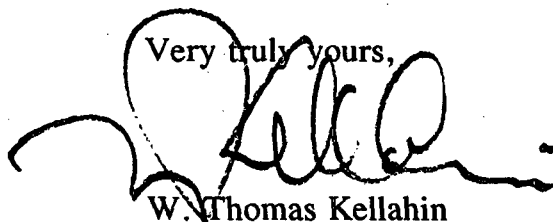
**Re: *Application of Melrose Operating Company
for and expansion of its Artesia Unit Waterflood Project
and to amend Division Administrative Order WFX-768
Eddy County, New Mexico.***

On behalf of Melrose Operating Company, please find enclosed a copy of its application to the Division in the referenced matter. This case has been set for hearing on the New Mexico Oil Conservation Division Examiner's docket now scheduled for September 6, 2001. The hearing will be held at the Division hearing room located at 1220 South Saint Francis Drive, Santa Fe, New Mexico.

As party who may be affected by this application, we are notifying you of your right to appear at the hearing and participate in this case, including the right to present evidence either in support of or in opposition to the application. Failure to appear at the hearing may preclude you from any involvement in this case at a later date.

Pursuant to the Division's Memorandum 2-90, you are further notified that if you desire to appear in this case, then you are requested to file a Pre-Hearing Statement with the Division not later than 4:00 PM on Friday, August 31, 2001, with a copy delivered to the undersigned.

Very truly yours,



W. Thomas Kellahin

**U.S. Postal Service
CERTIFIED MAIL RECEIPT**

Melrose

Artesia Unit

Sept, 6, 2001

8/29/01

provided)

Return Receipt Fee
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PS Form 3800, January 2001

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Melrose
Artesia Unit
September 6, 2001
8/30/01

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See Reverse for Instructions

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Melrose

Artesia Unit

September 6, 2001

8/30/01

(Er.

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(Endorsement Required)

Total Po

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Street, Apt.
or PO Box
City, State,

Devon Energy Corp.
20 N. Broadway
Suite 1500
Oklahoma City, OK 73102

PS Form 3800, January 2001

See Reverse for Instructions

-108

FROM : WTOR

PHONE NO. : 915 682 1458

AUG. 18 2000 02:22PM P3

AFFIDAVIT OF PUBLICATION

STATE OF New Mexico

COUNTY OF Eddy

Before me, the undersigned authority, on this day personally appeared

Gary D. Scott, the Publisher of the

Artesia Daily Press, a newspaper having

general circulation in Eddy County, N M, who being by me

duly sworn, deposes and says that the foregoing attached notice was published in

said newspaper on the following date(s), to wit: August 22, 2000

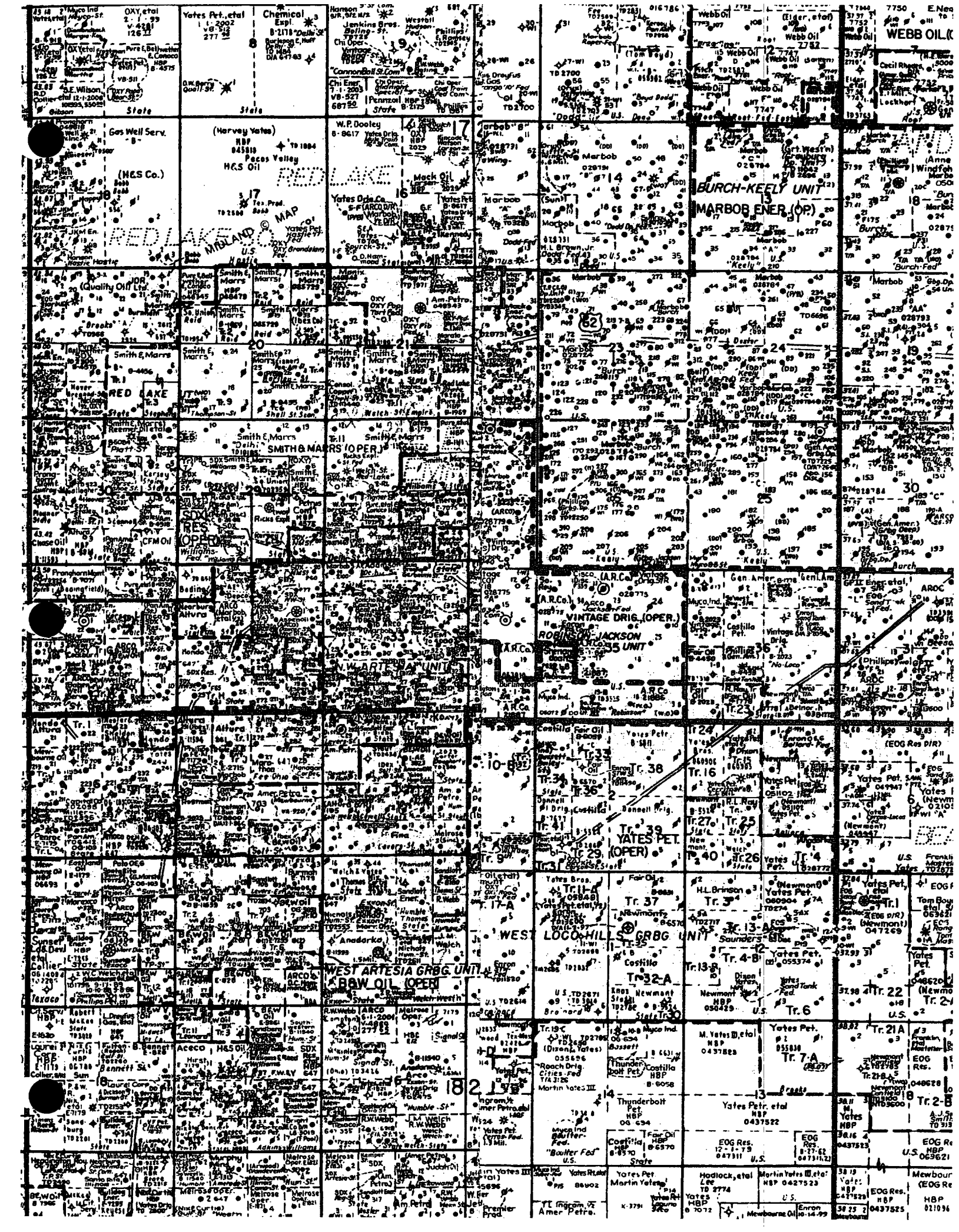
Gary D. Scott

Subscribed and sworn to before me this the 24th day of August, 2000
to certify which witness my hand and seal of office.

Barbara Anne Burns
Notary Public in and for

Eddy County, New Mexico

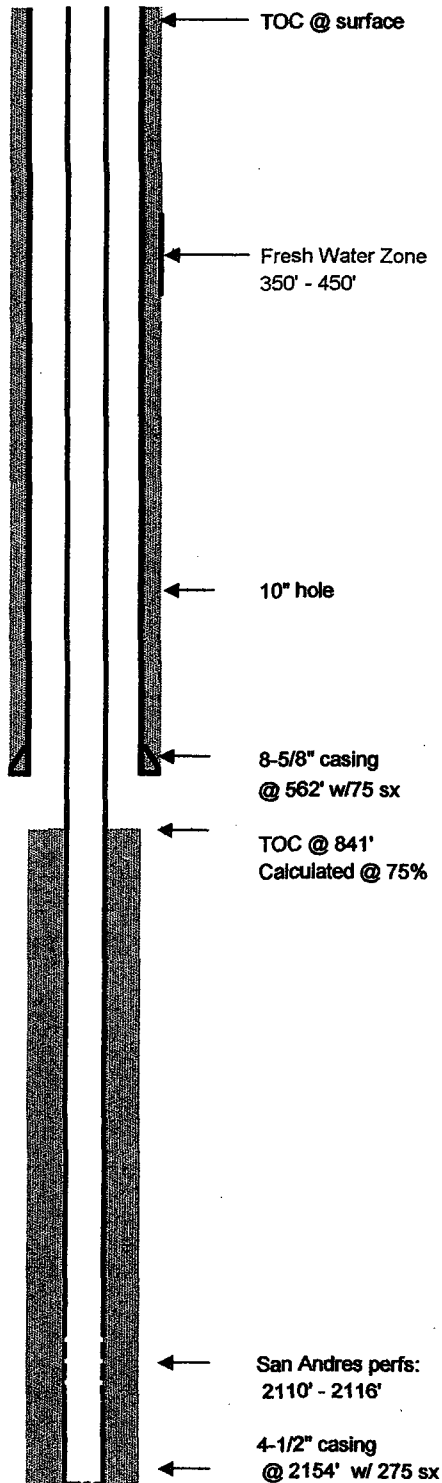
66 P.O. Box 953, Midland, TX 79702 will file for application for approval to inject with the New Mexico Oil Conservation Division seeking administrative approval for water injection into the Artesia Unit. Well numbers 2, 3, 10, 11, 12, 13, 16, 17, 18, 19, 22, 23, 26, 28, 29, 44, 46, 54 and 57. The locations are as follows: Well #2: 330 FSL & 330 FWL, Section 26, T17S, R28E; Well #3: 330 FSL & 1750' FWL, Section 26, T17S, R28E; Well #10: 330 FNL & 1950' FNL, Sec. 35, T17S, R28E; Well #11: 360 FNL & 360' FNL, Section 35, T17S, R28E; Well #12: 1980 FNL & 660' FNL, Section 35, T17S, R28E; Well #13: 1980 FNL & 1980' FNL, Section 35, T17S, R28E; Well #16: 1980 FNL & 660' FNL, Section 35, T17S, R28E; Well #17: 1980 FNL & 1980' FNL, Section 35, T17S, R28E; Well #18: 1980 FSL & 1980' FWL, Section 35, T17S, R28E; Well #19: 1980 FSL & 660' FNL, Section 35, T17S, R28E; Well #22: 1980 FSL & 1980' FNL, Section 35, T17S, R28E; Well #23: 1980 FSL & 660' FNL, Section 35, T17S, R28E; Well #28: 980 FEL & 330' FSL, Section 35, T17S, R28E; Well #29: 980 FSL & 1650' FNL, Section 35, T17S, R28E; Well #44: 1980 FNL & 1070' FNL, Section 3, T18S, R28E; Well #46: 2310 FNL & 2287' FNL, Section 3, T18S, R28E; Well #54: 1654 FSL & 2272' FNL, Section 3, T18S, R28E; Well #57: 1570 FSL & 1070' FNL, Section 3, T18S, R28E; Eddy County, New Mexico. The injection water will be sourced from area Artesia Unit wells producing from the Grayburg/San Andres/Pennose formations. The injection water will be injected into the Grayburg/San Andres/Pennose formation at a depth of 1800' to 2715', a maximum surface pressure of 1170 psi and a maximum rate of 400 BWPD. All interested parties opposing the application must file objections or requests for hearing with the Oil Conservation Division, 2040 S. Pacheco St., Santa Fe, NM 87505 within 15 days of this notice. Additional information can be obtained by contacting Ann E. Ritchie, Regulatory Agent, P.O. Box 953, Midland, TX 79702, or (915) 684-6381. Published in the Artesia Daily Press, Artesia, N.M. August 22, 2000. Legal 17088



Melrose Operating Company

Current Wellbore

Artesia Unit # 2



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2154'
State:	N.M.	Drilling Commenced:	11/13/60
Twpr/Rnge	T-17S, R-28E	Drilling Completed:	12/16/50
Section:	26	Date Well Plugged:	
Unit Letter:	M	Longitude:	
Footages:	330'FSL & 330' FWL	Latitude:	
25 miles SE of Big Spring		Freshwater Depth:	
API #:	30-015-01563		
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	562'	75 sx	surface
4-1/2"	8"	2154'	275 sx	841'

Formations	Top	Bottom
San Andres	2110	2116

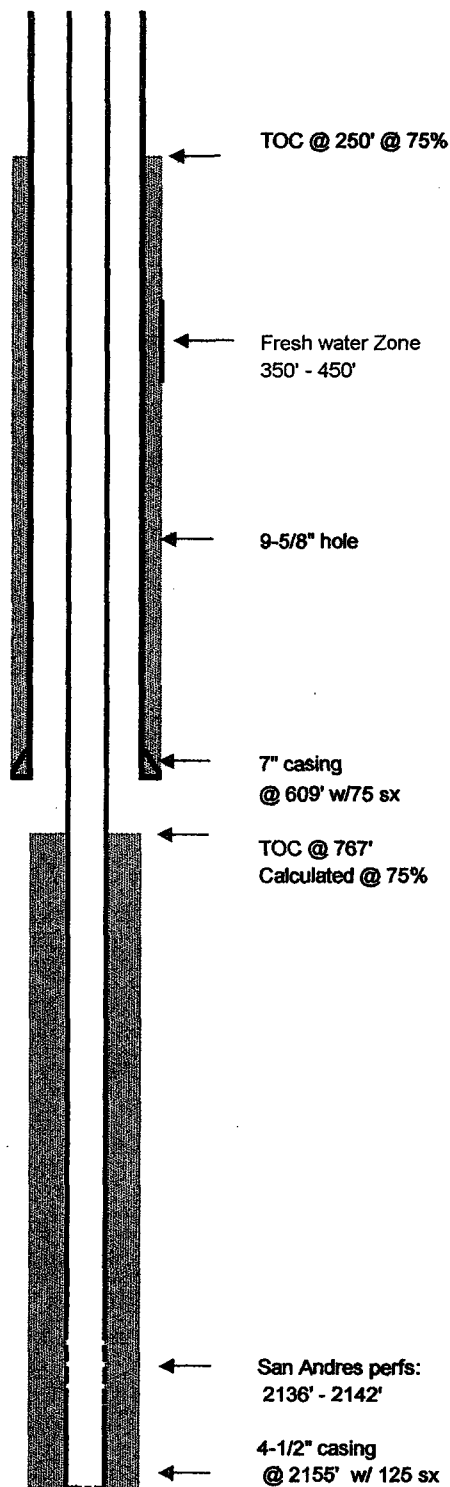
Comments

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 3



Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2158'
State:	N.M.	Drilling Commenced:	12/19/60
Twp/Rnge	T-17S, R-28E	Drilling Completed:	01/05/61
Section:	26	Date Well Plugged:	
Unit Letter:	N.	Longitude:	
Footages:	330' FSL & 1750' FEL	Latitude:	
25 miles SE of Big Spring		Freshwater Depth:	
API #:	30-015-01565		
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	9-5/8"	609'	75 sx	250'
4-1/2"	6-1/4"	2155'	125 sx	767'

Formations	Top	Bottom
San Andres	2136	2142

Comments

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

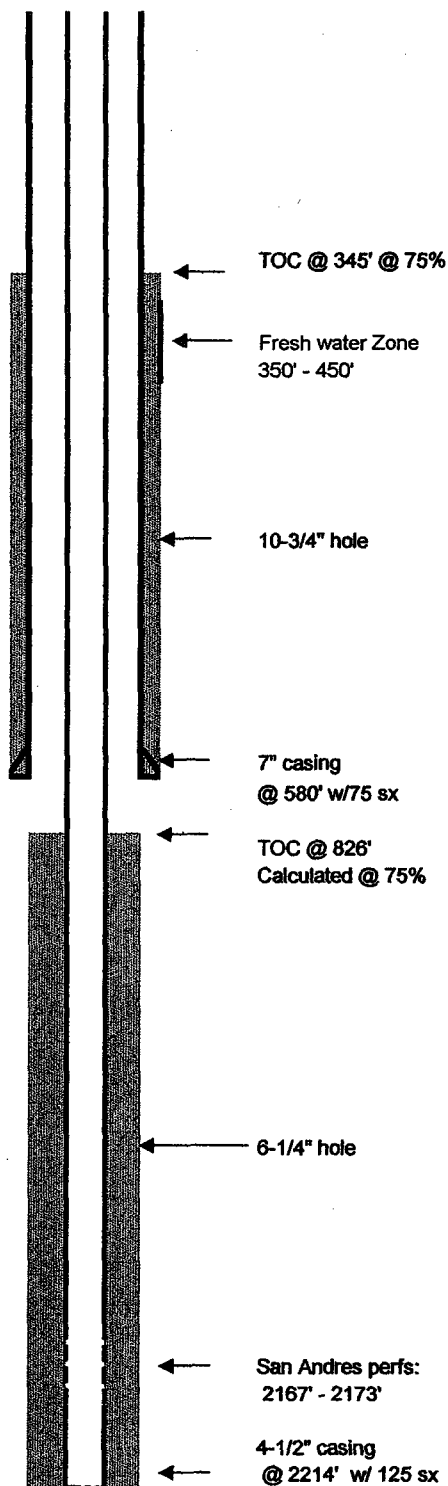
Artesia Unit # 10

Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2215'
State:	N.M.	Drilling Commenced:	01/31/81
Twp/Rnge	T-17S, R-28E	Drilling Completed:	02/12/81
Section:	35	Date Well Plugged:	
Unit Letter:	C	Longitude:	
Footages:	360' FSL & 1950' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01749	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
7"	10-3/4"	580'	75 sx	345'
4-1/2"	6-1/4"	2214'	125 sx	826'

Penetrations			
Formations		Top	Bottom
San Andres		2167	2173

Comments



Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 11

Field Name:	Artesia, Queen-Grayburg S/A	Well Type:	Oil
County:	Eddy	Depth:	2166'
State:	N.M.	Drilling Commenced:	11/11/60
Twp/Rnge	T-17S, R-28E	Drilling Completed:	12/20/60
Section:	35	Date Well Plugged:	
Unit Letter:	D	Longitude:	
Footages:	360' FNL & 360' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-02654	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
No surface casing				
4-1/2"	8"	2163'	450 sx	14'

Formations			
Formations		Top	Bottom
San Andres		2130	2140

Comments

TOC @ 14'
Calculated @ 75%

Fresh water Zone
350' - 450'

8" hole

San Andres perms:
2130' - 2140'

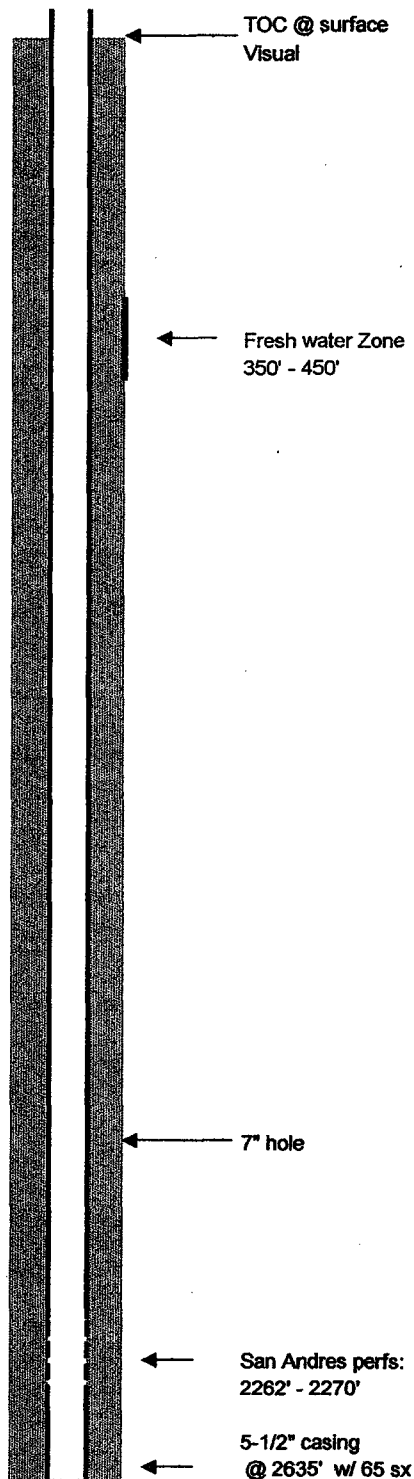
4-1/2" casing
@ 2163' w/ 450 sx

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 12



Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2715'
State:	N.M.	Drilling Commenced:	09/05/54
Twp/Rnge	T-17S, R-28E	Drilling Completed:	12/10/54
Section:	35	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	1980' FNL & 660' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01745	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	607'	Mudded	Pulled
5-1/2"	7"	2635'	365"	surface

Formations	Top	Bottom
San Andres	2262	2270

Comments:

* 4/17/01 - 4/23/01 - Operator perforated 5-1/2" and re-cemented casing with 300 sx Class "C" w/ 3% CaCl @ 15.4#/gal. Circulated 10 sx to pit. Ran bond log, top of cement at surface. Good bond through out. (See BJ Cementing report attached)

Prepared By: Bucky Ritchie
Date: 8/28/01

Artesia Unit # 13

4/30/01 - 5/15/01 - Operator perforated 5-1/2" @ 1800' and re-cemented casing with 800 sx 35/65 @ 12.6#/gal. & 200 sx Class "C". Circulated 125 sx to pit. Ran bond log, top of cement at surface. Good bond through out.

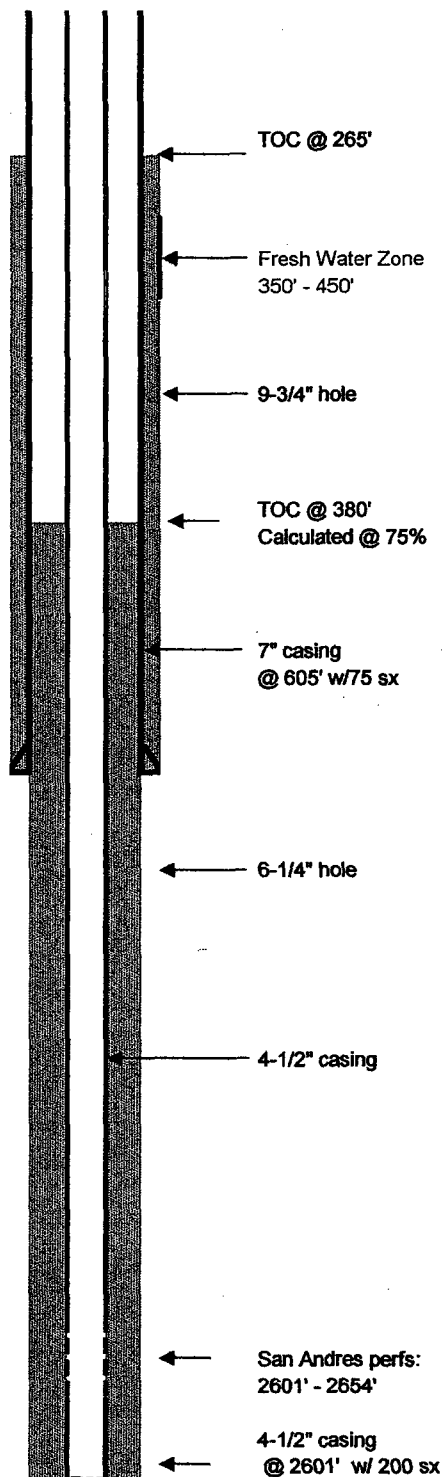
5-1/2" casing
@ 2275' w/ 80 sx

Prepared By:	Bucky Ritchie
Date:	8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 16



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2651'
State:	N.M.	Drilling Commenced:	02/19/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	03/13/57
Section:	36	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	1980'FNL & 660' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01759	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	9-3/4"	605'	75 sx	265'
4-1/2"	6-1/4"	2601'	200 sx	380'

Formations	Top	Bottom
San Andres	2601	2654

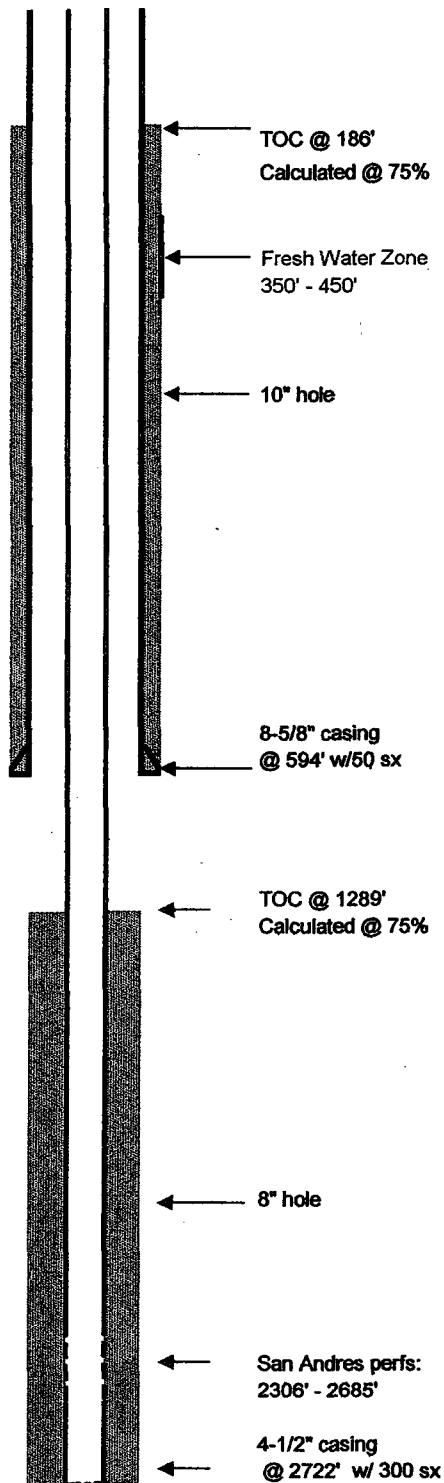
Comments

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 17



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2725'
State:	N.M.	Drilling Commenced:	04/03/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	05/27/57
Section:	36	Date Well Plugged:	
Unit Letter:	F	Longitude:	
Footages:	1980'FNL & 1980' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01761	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	594'	50 sx	186'
4-1/2"	8"	2722'	300 sx	1289'

Formations	Top	Bottom
San Andres	2306	2685

Comments

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 18

TOC @ surface
Calculated @ 75%

Fresh Water Zone
350' - 450'

10" hole

8-5/8" casing
@ 445' w/75 sx

TOC @ 1827'
Calculated @ 75%

8" hole

San Andres perms:
2356' - 2750'

4-1/2" casing
@ 2782' w/ 200 sx

Field Name:	Artesia; Queen-Grayburg S/A	Well Type:	Oil
County:	Eddy	Depth:	2784'
State:	N.M.	Drilling Commenced:	04/08/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	06/10/57
Section:	36	Date Well Plugged:	
Unit Letter:	K	Longitude:	
Footages:	1980'FSL & 1980' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01762	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	445'	75 sx	surface
4-1/2"	8"	2782'	200 sx	1827'

Formations	Top	Bottom
San Andres	2356	2750

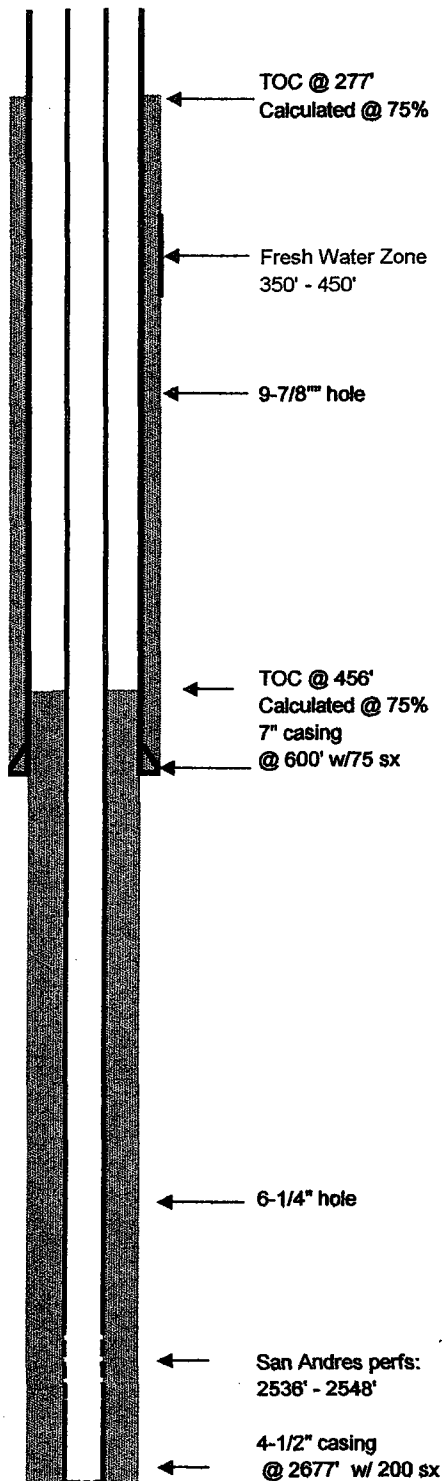
Comments

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 19



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2730'
State:	N.M.	Drilling Commenced:	02/25/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	03/16/57
Section:	36	Date Well Plugged:	
Unit Letter:	L	Longitude:	
Footages:	1980'FSL & 660' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01760	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	9-7/8"	600'	75 sx	277'
4-1/2"	6-1/4"	2677'	200 sx	456'

Formations	Top	Bottom
San Andres	2536	2548

Comments

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

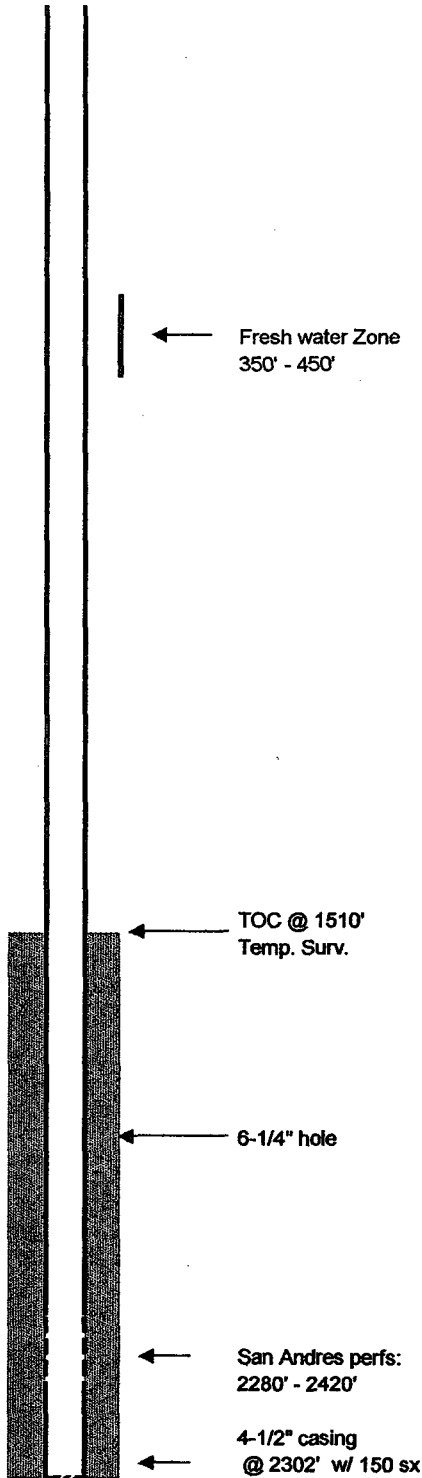
Artesia Unit # 44

Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2430'
State:	N.M.	Drilling Commenced:	
Twp/Rnge	T-18S, R-28E	Drilling Completed:	12/10/56
Section:	3	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	2310' FNL & 990' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01796	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
4-1/2"	6-1/4"	2302'	150 sx	1510'

Formations	Top	Bottom
San Andres	2280	2420

Comments



Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

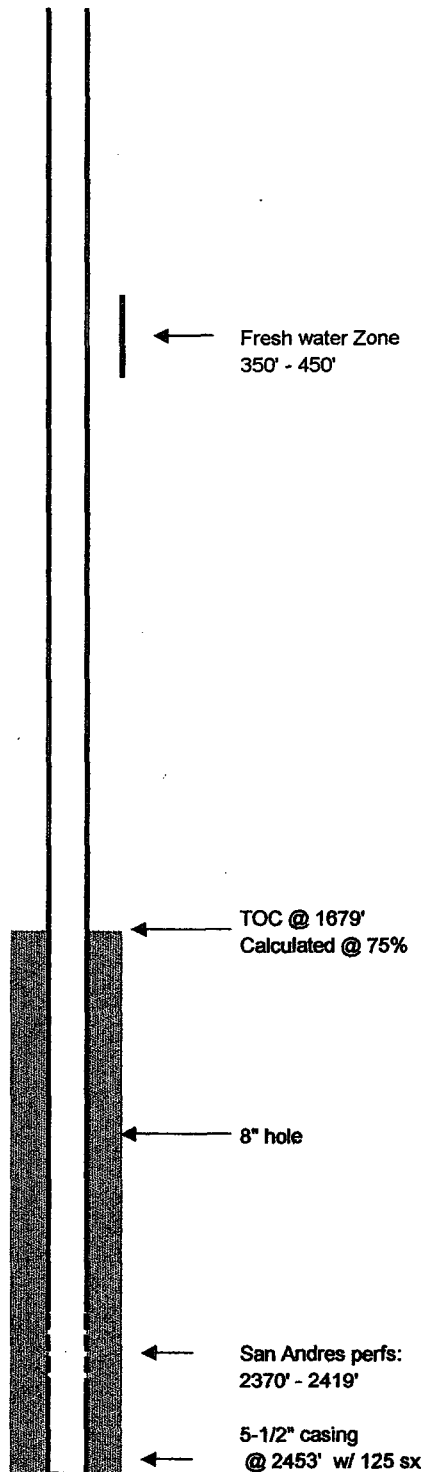
Artesia Unit # 46

Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2583'
State:	N.M.	Drilling Commenced:	08/20/55
Twp/Rnge	T-18S, R-28E	Drilling Completed:	09/30/55
Section:	3	Date Well Plugged:	
Unit Letter:	F	Longitude:	
Footages:	2310' FNL & 2287' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-02541	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
5-1/2"	8"	2453'	125 sx	1679'

Formations	Top	Bottom
San Andres	2370	2419

Comments

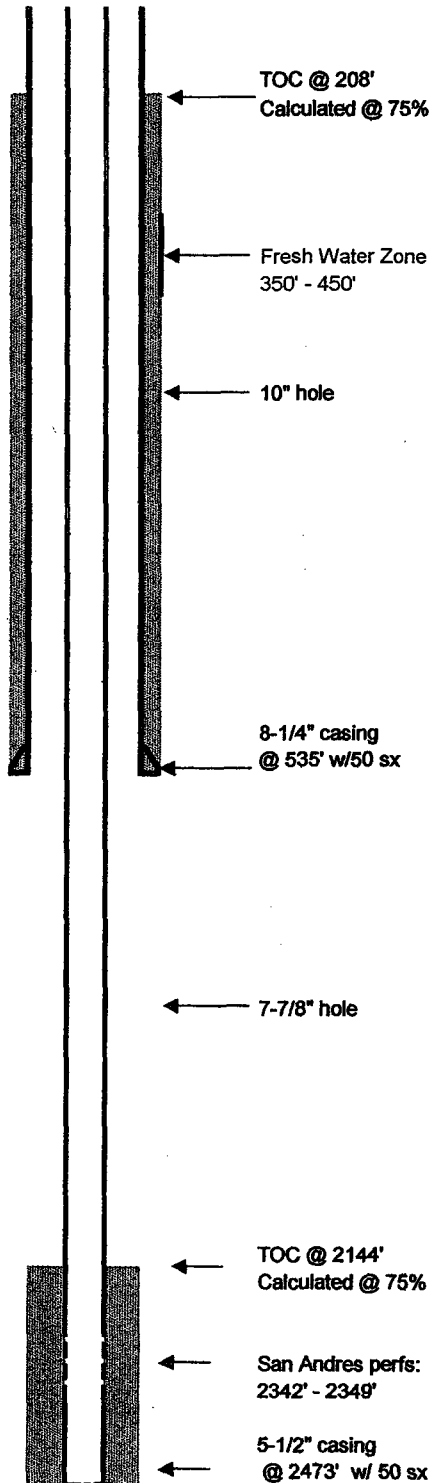


Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 54



Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2473'
State:	N.M.	Drilling Commenced:	07/12/55
Twp/Rnge	T-18S, R-28E	Drilling Completed:	08/04/55
Section:	3	Date Well Plugged:	
Unit Letter:	K	Longitude:	
Footages:	1654' FSL & 2272' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01801	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
8-1/4"	10"	535'	50 sx	208'
5-1/2"	7-7/8"	2473'	50 sx	2144'

Perforations			
Formations		Top	Bottom
San Andres		2342	2349

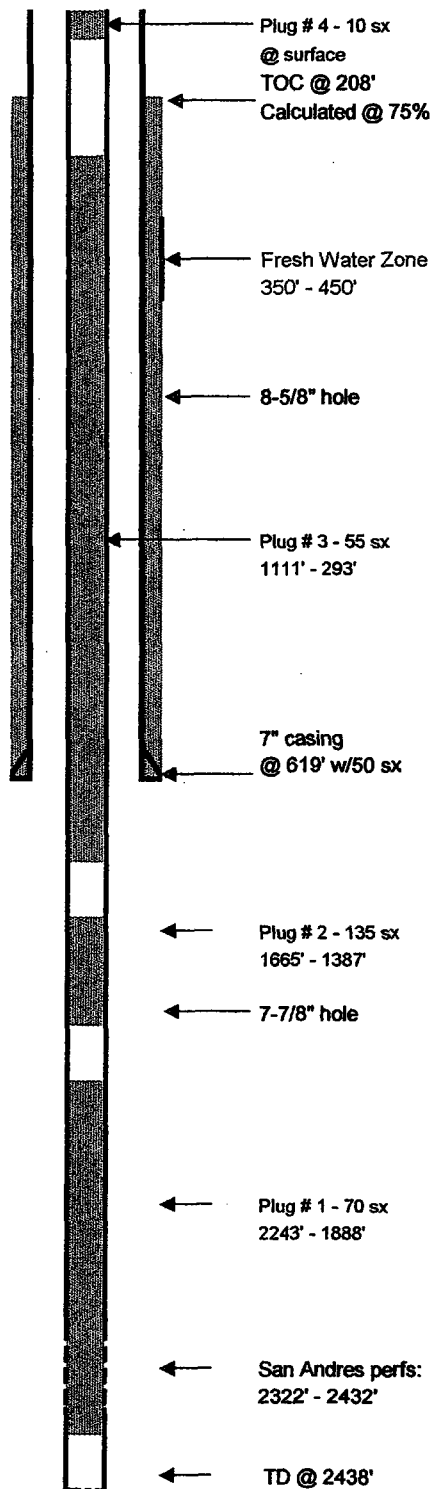
Comments

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 57



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2438'
State:	N.M.	Drilling Commenced:	
Twp/Rnge	T-18S, R-28E	Drilling Completed:	08/23/27
Section:	3	Date Well Plugged:	
Unit Letter:	L	Longitude:	
Footages:	1570'FSL & 1070' FWL	Latitude:	
25 miles SE of Big Spring		Freshwater Depth:	350-450'
API #:	30-015-01795		
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	8-5/8"	619'	50 sx	208'

Formations	Top	Bottom
San Andres	2342	2349

Comments

Plugs:

70 sx Class C from 2243' - 1888'
 135 sx Class C from 1665' - 1387'
 55 sx Class C from 1111' - 293'
 10 sx plug at surface w/ marker.

Prepared By: Bucky Ritchie
 Date: 8/28/01

AUG 17 01 01:35P
 AUG 16 01 00:17P

Anthony J. Beilman

(972) 771-6717

P.1

P.5

AUG-16-2001(THU) 13:57 BJ ARTESIA

P.001/001

TO: Robert Lee
 From: Tony Beilman

B J Services Water Analysis

Artesia District Laboratory
 (505) 746-3140

Date: 27-Jul-01 Test #:
 Company: Melrose Operating Well #:
 Lease: Water Well County: Eddy
 State: N.M. Formation:
 Depth: Source:

pH: 9.49 Temp (F): 77.2
 Specific Gravity: 1.005

CATIONS	mg/l	me/l	ppm
Sodium (calc.)	2280	99.2	2269
Calcium	481	24.0	479
Magnesium	243	20.0	242
Barium	< 25	—	—
Potassium	< 10	—	—
Iron	1	0.0	1

ANIONS	mg/l	me/l	ppm
Chloride	4800	135.4	4776
Sulfate	299	6.2	297
Carbonate	< 1	—	—
Bicarbonate	122	2.0	121
Total Dissolved Solids(calc.)	8226		8186
Total Hardness as CaCO ₃	2202	44.0	2191

COMMENTS:

SCALE ANALYSIS:

CaCO₃ Factor 58706.4 Calcium Carbonate Scale Probability → Remote
 CaSO₄ Factor 144360 Calcium Sulfate Scale Probability → Remote

Stiff Plot



Approximate depth 180'

November 21, 1997
Pro-Kem, Inc.
SDX Resources
Artesia Unit
Injection Pump

Volume Filtered = 575 ml.

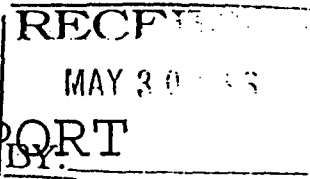
0.45 Micron Membrane Filter Evaluation

	mg/L.	% of Total
Hydrocarbons.....	17.2	30.84%
Oil, Paraffins, Asphaltenes, Etc.		
Carbonates.....	31.7	56.70%
Calcium Carbonate, Etc.		
Iron.....	5.0	9.03%
Iron Sulfide, Iron Oxide, Etc.		
Insolubles.....	1.9	3.43%
Sand, Silt, Calcium Sulfate, Etc.		
Total.....	55.8	100.00%

Microscopic examination of the residues after leaching with 15% HCl revealed the presence of the following:
Small amounts of undissolved Iron Sulfide along with what appears to be Calcium Sulfate.

Pro-Kem, Inc.

WATER ANALYSIS REPORT



SAMPLE

Oil Co. : SDX Resources
Lease : Artesia Unit
Well No. : Heater Treater
Lab No. :

Sample Loc. :
Date Analyzed: 07-May-1996
Date Sampled :

C-108

ANALYSIS

1. pH 6.000
2. Specific Gravity 60/60 F. 1.090
3. CaCO₃ Saturation Index @ 80 F. -0.197
@ 140 F. +0.683

Dissolved Gasses

- | | MG/L | EQ. WT. | *MEQ/L |
|---------------------|----------------|---------|--------|
| 4. Hydrogen Sulfide | 80 | | |
| 5. Carbon Dioxide | Not Determined | | |
| 6. Dissolved Oxygen | Not Determined | | |

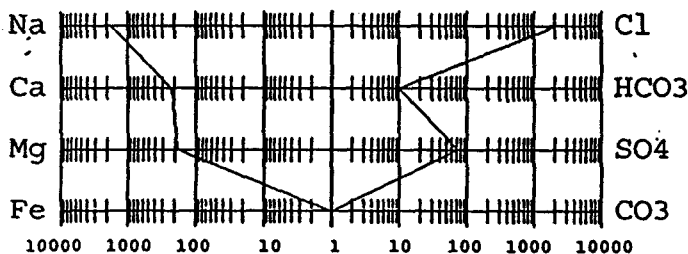
Cations

- | | | | |
|----------------------------------|----------------|----------|----------|
| 7. Calcium (Ca ⁺⁺) | 4,208 | / 20.1 = | 209.35 |
| 8. Magnesium (Mg ⁺⁺) | 2,127 | / 12.2 = | 174.34 |
| 9. Sodium (Na ⁺) | 39,677 | / 23.0 = | 1,725.09 |
| 10. Barium (Ba ⁺⁺) | Not Determined | | |

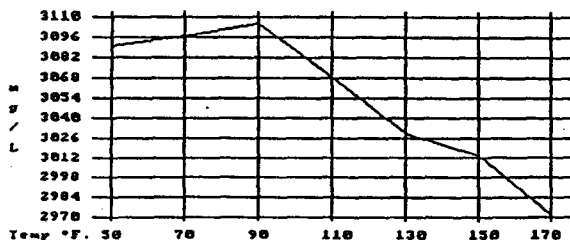
Anions

- | | | | |
|--|------------|----------|----------|
| 11. Hydroxyl (OH ⁻) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO ₃ ⁼) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO ₃ ⁻) | 586 | / 61.1 = | 9.59 |
| 14. Sulfate (SO ₄ ⁼) | 3,400 | / 48.8 = | 69.67 |
| 15. Chloride (Cl ⁻) | 71,984 | / 35.5 = | 2,027.72 |
| 16. Total Dissolved Solids | 121,982 | | |
| 17. Total Iron (Fe) | 14 | / 18.2 = | 0.77 |
| 18. Total Hardness As CaCO ₃ | 19,267 | | |
| 19. Resistivity @ 75 F. (Calculated) | 0.066 /cm. | | |

LOGARITHMIC WATER PATTERN *meq/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION			
COMPOUND	EQ. WT.	X	*meq/L = mg/L.
Ca(HCO ₃) ₂	81.04	9.59	777
CaSO ₄	68.07	69.67	4,743
CaCl ₂	55.50	130.09	7,220
Mg(HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.19	0.00	0
MgCl ₂	47.62	174.34	8,302
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	1,723.28	100,743
*Milli Equivalents per Liter			

water is somewhat corrosive due to the pH observed on analysis.
Corrosivity is increased by the content of mineral salts, and the presence
of H₂S in solution.

Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : SDX Resources
Lease : Yates Drilling well
Well No. :
Lab No. :

Sample Loc. :
Date Analyzed: 07-May-1996
Date Sampled :

ANALYSIS

1. pH 6.300
2. Specific Gravity 60/60 F. 1.063
3. CaCO₃ Saturation Index @ 80 F. -0.045
@ 140 F. +0.880

Dissolved Gasses

- | | MG/L | EQ. WT. | *MEQ/L |
|---------------------|----------------|---------|--------|
| 4. Hydrogen Sulfide | 150 | | |
| 5. Carbon Dioxide | Not Determined | | |
| 6. Dissolved Oxygen | Not Determined | | |

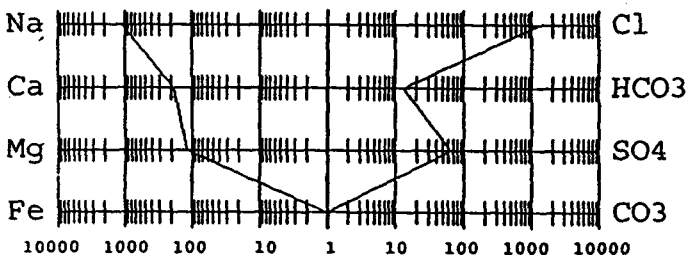
Cations

- | | | | |
|---|----------------|----------|----------|
| 7. Calcium (Ca ⁺⁺) | 3,507 | / 20.1 = | 174.48 |
| 8. Magnesium (Mg ⁺⁺) | 1,398 | / 12.2 = | 114.59 |
| 9. Sodium (Na ⁺) (Calculated) | 25,552 | / 23.0 = | 1,110.96 |
| 10. Barium (Ba ⁺⁺) | Not Determined | | |

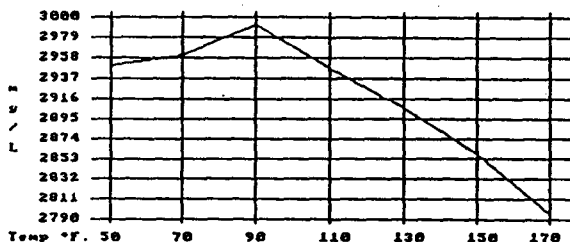
Anions

- | | | | |
|--|------------|----------|----------|
| 11. Hydroxyl (OH ⁻) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO ₃ ⁼) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO ₃ ⁻) | 766 | / 61.1 = | 12.54 |
| 14. Sulfate (SO ₄ ⁼) | 3,050 | / 48.8 = | 62.50 |
| 15. Chloride (Cl ⁻) | 46,989 | / 35.5 = | 1,323.63 |
| 16. Total Dissolved Solids | 81,262 | | |
| 17. Total Iron (Fe) | 3 | / 18.2 = | 0.14 |
| 18. Total Hardness As CaCO ₃ | 14,513 | | |
| 19. Resistivity @ 75 F. (Calculated) | 0.121 /cm. | | |

LOGARITHMIC WATER PATTERN *meq/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION COMPOUND EQ. WT. X *meq/L = mg/L.

Ca (HCO ₃) ₂	81.04	12.54	1,016
CaSO ₄	68.07	62.50	4,254
CaCl ₂	55.50	99.44	5,519
Mg (HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.19	0.00	0
MgCL ₂	47.62	114.59	5,457
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	1,109.60	64,867

*Milli Equivalents per Liter

Water is slightly corrosive due to the pH observed on analysis.
Corrosivity is increased by the content of mineral salts, and the presence
of H₂S in solution.

Comparison Between Two Waters

07-May-1996

TO: Pro-Kem, Inc.

Company : SDX Resources

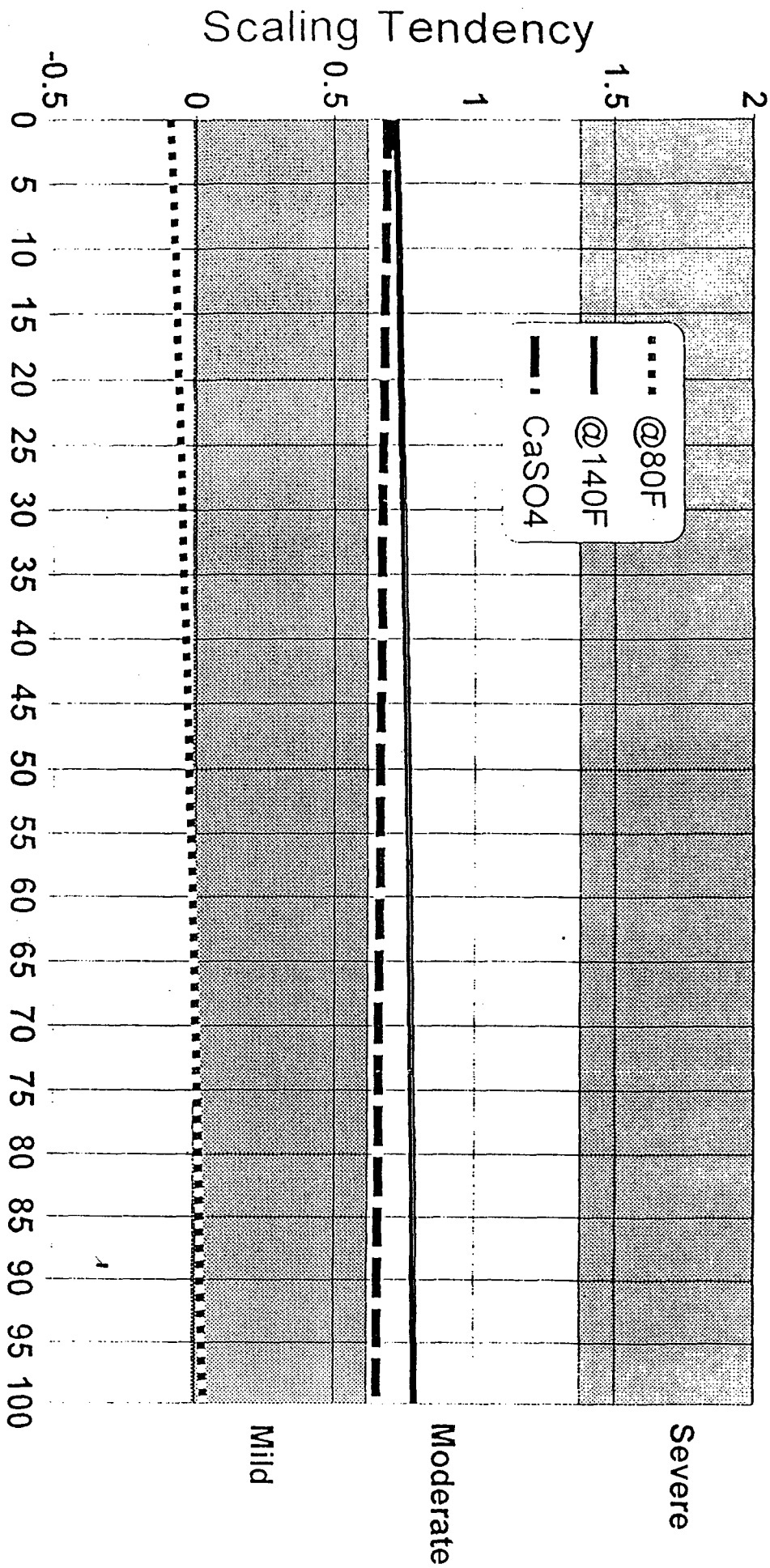
Sample # 1
Artesia Unit H/T

Sample # 2
Yates Drilling Well

Percent of #1 & #2		pH	TDS mg/L	SpGr	Saturation Index @80°F. @140°F.		Calcium Sulfate Scaling Potential
100 -	0	6.000	121982	1.090	-0.092	+0.722	Mild to Moderate
95 -	5	6.015	119946	1.089	-0.084	+0.727	Mild to Moderate
90 -	10	6.030	117910	1.087	-0.077	+0.732	Mild to Moderate
85 -	15	6.045	115874	1.086	-0.070	+0.736	Mild to Moderate
80 -	20	6.060	113838	1.085	-0.063	+0.740	Mild to Moderate
75 -	25	6.075	111802	1.083	-0.057	+0.744	Mild to Moderate
70 -	30	6.090	109766	1.082	-0.050	+0.748	Mild to Moderate
65 -	35	6.105	107730	1.081	-0.044	+0.752	Mild to Moderate
60 -	40	6.120	105694	1.079	-0.037	+0.756	Mild to Moderate
55 -	45	6.135	103658	1.078	-0.031	+0.760	Mild to Moderate
50 -	50	6.150	101622	1.077	-0.025	+0.763	Mild to Moderate
45 -	55	6.165	99,586	1.075	-0.019	+0.767	Mild to Moderate
40 -	60	6.180	97,550	1.074	-0.013	+0.770	Mild to Moderate
35 -	65	6.195	95,514	1.072	-0.007	+0.773	Mild to Moderate
30 -	70	6.210	93,478	1.071	-0.002	+0.776	Mild to Moderate
25 -	75	6.225	91,442	1.070	+0.004	+0.779	Mild to Moderate
20 -	80	6.240	89,406	1.068	+0.009	+0.782	Mild to Moderate
15 -	85	6.255	87,370	1.067	+0.015	+0.785	Mild to Moderate
10 -	90	6.270	85,334	1.066	+0.020	+0.788	Mild to Moderate
5 -	95	6.285	83,298	1.064	+0.025	+0.790	Mild to Moderate
0 -	100	6.300	81,262	1.063	+0.030	+0.793	Mild to Moderate

Mixture of Makeup and Produced Water

SDX Resources



Percentage of Yates Drilling Water

**Plugged and Abandoned Wells Within ½ Mile of Melrose Operating
Artesia Unit C-108 Injection Application
Eddy County, NM**

1. Vastar Resources
Empire Abo Unit C #38
T-17-S, R-28-e, Section 26
API # 30-015-01553
1650 FSL & 1980 FWL
2. BP Amoco
Empire Abo Unit B # 39
T-17-S, R-28-E, Section 26
API # 30-015-01559
2310 FSL & 1980 FEL
3. Marbob Energy
N.G. Phillips #5
T-17-S, R-28-E, Section 27
API # 30-015-01573
1650 FSL & 1650 FEL
4. Vastar Resources
Empire Abo Unit D # 35
T-17-S, R-28-E, Section 27
API # 30-015-01590
330 FSL & 1980 FEL
5. Marbob Energy
N.G. Phillips #3
T-17-S, R-28-E, Section 27
API # 30-015-01571
330 FSL & 330 FEL
6. Marbob Energy
Amoco State C #1
T-17-S, R-28-E, Section 34
API # 30-015-01701
344 FNL & 1650 FEL
7. Vastar Resources
Empire Abo Unit G # 36
T-17-S, R-28-E, Section 34
API # 30-015-01706
2310 FSL & 990 FEL
8. Arco
Empire Abo Unit #35
T-17-S, R-28-E, Section 34
API # 30-015-01703
970 FSL & 2274 FEL

9. Phillips
Carper-Levers #3
330 FSL & 1650 FWL
API # 30-015-01722
330 FSL & 1650 FWL
10. Vastar Resources
Empire Abo Unit E #381
T-17-S, R-28-E, Section 35
API # 30-015-21536
1155 FNL & 2475 FWL
11. Vastar Resources
Abo Unit E # 373
T-17-S, R-28-E, Section 35
API # 30-015-22462
150 FNL & 15 FWL
12. Vastar Resources
Empie Abo Unit F # 372
T-17-S, R-28-e, Section 35
API # 30-015-22137
2490 FNL & 1100 FWL
13. Artesia Unit #20
T-17-S, R-28-E, Section 35
API # 30-015-02126
330 FEL & 2310 FSL
14. Dekalb Energy
Artesia Unit #30
T-17-S, R-28-E, Section 35
API # 30-015-01743
990 FSL & 2310 FEL
15. SDX Resources
Artesia Unit #16
T-17-S, R-28-E, Section 36
API # 30-015-01759
1980 FNL & 660 FWL
16. Chambers, Kemed & AH Haden
Delhi- Taylor State #1
T-17-S, R-28-E, Section 35
API # 30-015-07310
660 FSL & 1980 FWL
17. Hondo-Western
State A #41
T-17-S, R-28-E, Section 35
API # 30-015-01741
2310 FSL & 2310 FEL

18. Welch
Mry-State #4
T-17-S, R-28-E, Section 35
API # 30-015-01757
990 FNL & 2310 FWL
19. Depco
Artesia Unit #12
T-17-S, R-28-E, Section 35
API # 30-015-01730
1650 FNL & 660 FWL
20. Welch
State #1
T-17-S, R-28-E, Section 35
API # 30-015-01729
2310 FNL & 250 FWL
21. Hughes
State A #43
T-17-S, R-28-E, Section 36
API # 30-015-02153
330 FNL & 1650 FWL
22. Donnelly Drilling
Sinclair State B #3
T-17-S, R-28-E, Section 36
API # 30-015-01765
660 FSL & 1980 FEL
23. Johnston
Five #4
T-17-S, R-28-E, Section 36
API # 30-015-10544
1650 FNL & 660 FEL
24. Dekalb Energy
Artesia Unit #57
T-18-S, R-28-E, Section 3
API # 30-015-01795
1570 FSL & 1070 FWL
25. SDX Resources
Artesia Unit #61
T-18-S, R-28-E, Section 3
API # 30-015-02550
660 FSL & 2310 FEL
26. Melrose
Artesia Unit #66
T-18-S, R-28-E, Section 3
API # 30-015-20322
1550 FNL & 1950 FWL

27. Flynn Welch
State 647 #42
T-18-S, R-28-E, Section 3
API # 30-015-01794
2390 FSL & 1070 FWL
28. Flynn-Welch
State 647 #41
T-18-S, R-28-E, Section 3
API # 30-015-01793
1570 FSL & 250 FWL
29. Fina Oil & Chemical
Humble Stout State #1
T-18-S, R-28-E, Section 4
API # 30-015-02590
2310 FSL & 330 FEL
30. Fina
Levers State #5
T-18-S, R-28-E, Section 4
API # 30-015-02573
1070 FSL & 1570 FEL
31. McGonagille
Carper State #1
T-18-S, R-28-E, Section 4
API # 30-015-02557
330 FNL & 330 FEL
32. Maloney & Chambers (No Plogging Reports)
State #1
T-18-S, R-28-E, Section 4
API # 30-015-02559
2390 FNL & 1070 FEL
33. Frontier Petroleum
McQuigg #5
1570 FSL & 1570 FEL
T-18-S, R-28-E, Section 4
API # 30-015-02565
34. Sunray DX Oil
Bookman State #1
T-18-S, R-28-E, Section 4
API # 30-015-02560
1570 FSL & 1070 FEL
35. BP Amoco
Empire Abo Unit #19
T-17-S, R-28-E, Section 36
API # 30-015-22543
2280 FNL & 660 FEL

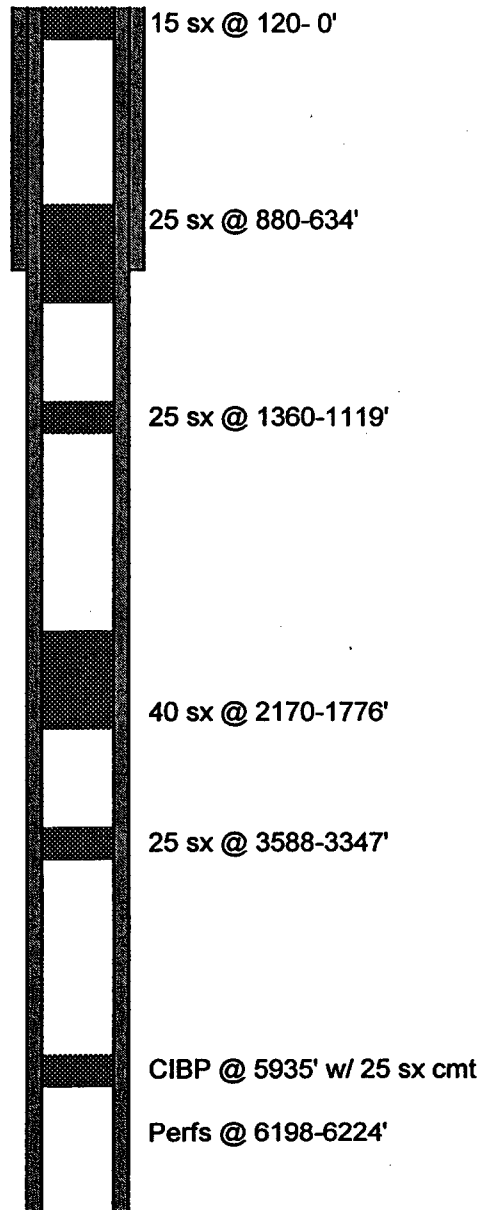
WELLBORE SCHEMATIC

BP Amoco
Empire Abo Unit C #38
1650 FSL & 1980 FWL
Section 26-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 6,310 feet
API #30-015-01553
Date Drilled: 7/8/60
Status:

Casing: 8 5/8"
Hole Size:
Depth: 720'
Cement: 375 sx

Casing: 5 1/2"
Hole Size:
Depth: 6,310'
Cement: 340 sx

TD: 6,310'



SEP-04-2001 TUE 11:22 AM OGD DISTRICT 11

FAX NO. 15057469720 Santa Fe, New Mexico

REC'D

JUL 13 1960

#1

AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD
01553

N. C. C.
ARTESIA, OFFICE

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE. If State Land submit 6 Copies

State 'A'

Well No. 21 is NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 26 T. 18-S R. 28-E NMPM. County.

Well is 1960 feet from West line and 1650 feet from South line

of Section 26 If State Land the Oil and Gas Lease No. is 7-7-60, 1960

Drilling Commenced 6-25-60 Drilling was Completed 7-7-60

Name of Drilling Contractor Yates Drilling Company

Address Artesia, New Mexico

Elevation above sea level at Top of Tubing Head 3664

The information given is to be kept confidential until

OIL SANDS OR BONES

No. 1, from 6004 to 6310 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

No. 4, from to feet

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF JOBS	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	28.4	Used	720'	Float			Surface
5-1/2"	15.54	New	6310'	Float			Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WEIGHT SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8-5/8"	720'	375	PUMP - FINE		
7-7/8"	5-1/2"	6310'	390 Bags MTS 100	PUMP - FINE		
			150 slm. Total 141 gal.			

1 unit MTS 400 = Approx 35k.

RECORD OF PRODUCTION AND STIMULATION

#1

Submit 3 Copies
to Appropriate
District Office

DISTRICT I

P.O. Box 1960, Hobbs, NM 88240

DISTRICT II

P.O. Drawer 88, Artesia, NM 88210

DISTRICT III

1000 Elie Street Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2008

RECEIVED

MAY 20 1991

O. C. D.
ARTESIA, OFFICEForm C-103
Revised 1-1-88dsf
opt

WELL API NO.

30-015-01553

3. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

647

7. Lease Name or Unit Agreement Name

Empire Abo Unit "C"

8. Well No.

38

9. Pool Name or Wildcat

Empire Abo

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

OIL

WELL ☒

GAS

WELL ☐

other

2. Name of Operator

ARCO OIL and GAS COMPANY

3. Address of Operator

P.O. Box 1610, Midland, Texas 79702

4. Well Location

Unit Letter K : 1650 Feet From The South Line and 1980 Feet from The West LineSection 26Township 17SRange 28E

NMPM Eddy

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3673 RKB

11. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐(Other) ☐**SUBSEQUENT REPORT OF:**REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☒CASING TEST AND CEMENT JOB ☐(Other) ☐

12. Describe Proposed or completed Operations (Clearly state all pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-07-91. MIRU.

Plug	Interval	Cmt	Remarks
1	5935-5694	25 sx	Set CIBP at 5935. Displace hole MLF. 25 sx cmt on top of CIBP.
2	3588-3347	25 sx	Spot
3	2170-1776	40 sx	Spot
4	1360-1119	25 sx	Spot
5	880-634	25 sx	Spot
6	120-Surf	15 sx	Spot

CO wellhead & installed dry hole marker. P&A'd 2-8-91.

Part ID-2
5-24-91
P&A

13. I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE

Ken W. Gosnell

TITLE

Regulatory Coordinator

DATE

5/16/91

TYPE OR PRINT NAME

Ken W. Gosnell

TELEPHONE

(915) 688-5672

(This space for State Use)

APPROVED BY

[Signature]

TITLE

[Signature]

DATE

5/20/91

CONDITIONS FOR APPROVAL, IF ANY:

WELLBORE SCHEMATIC

BP Amoco
Empire Abo Unit B #39
2310 FSL & 1980 FEL
Section 36-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth:
API #30-015-01559
Date Drilled:
Date Plugged: 12/20/82

Casing: 8 5/8"
Hole Size:
Depth: 742'
Cement: 350 sx

Cmt plug from 156' to 0'

Cmt plug from 578 to 900'

Set retainer @ 3649' & sqz w/ 150 sx cmt.
Dump 50' on top of retainer
Perfed 3809-4030'

Casing: 5 1/2"
Hole Size:
Depth: 6,347'
Cement: 180 units HYS 400
& 150 sx 2% gel

Squeezed Abo perfs w/ 350 sx cmt and dumped
50' cmt on retainer set @ 6073'
Perfs @ 6127-6220'

TD: 6347'

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2068

SANTA FE, NEW MEXICO 87501

ALSO RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
M.D.S.	
LAND OFFICE	
OPERATOR	<input checked="" type="checkbox"/>

#2

30-015-01559

Form C-103
Revised 10-1-78

30-015-01559

30. Indicate Type of Lease	State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
31. State Oil & Gas Lease No.	647	

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

Oil Well <input type="checkbox"/>	Gas Well <input type="checkbox"/>	OTHER- SWDW	7. Unit Agreement Name
None of Operator			E.A. Press. Maint. Proje.
ARCO Oil and Gas Company, Division of Atlantic Richfield Company ✓			8. Farm or Lease Name
Address of Operator			Empire Abo Unit "B"
P. O. Box 1710, Hobbs, New Mexico 88240			9. Well No.
Location of Well			39
UNIT LETTER	G	2310	10. Field and Pool, or Wildcat
		FEET FROM THE	South
		LINE AND	1980
		FEET FROM	
	East	LINE, SECTION	26
		TOWNSHIP	17S
		RANGE	28E
		NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)			12. County
3664' GR			Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
		OTHER <input type="checkbox"/>	

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1503.

Rigged up on 10/11/82. Installed BOP. Rel pkr & POH. Drld & CO to 6223'. Set cmt retr @ 6073'. Cn sqzd Abo perfs 6127-6220' w/200 sx C1"C" cmt on vac. Cleared cmt, WOC 4 hrs. Sqz cmt thru retr @ 6073' w/150 sx C1"C". Final press. 1200#. Dumped 50' cmt on top of retr. Set pkr @ 3650', press annulus to 1000# for 30 mins. OK. POH w/pkr. Set cmt retr @ 3649'. Sqz cmt perfs 3809-4030' w/150 sx C1"C" neat cmt. Final sqz press 1500#. Dumped 50' cmt on top of retr. Circ 10# brine wtr to 900'. Spot C1"C" cmt plug 900-600'. WOC. Tagged cmt plug w/tbg @ 578'. OK. Spot C1"C" cmt plug 156' to surf. Cut off wellhead below ground level. Install regulation dry hole marker. Clean and level location. P&A eff: 10/19/82. Final Report.

8. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

DATE Elizabeth L. Bush TITLE Drlg. Engr. DATE 10/21/82

APPROVED BY Larry Brooks TITLE Geologist DATE 3/17/83

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

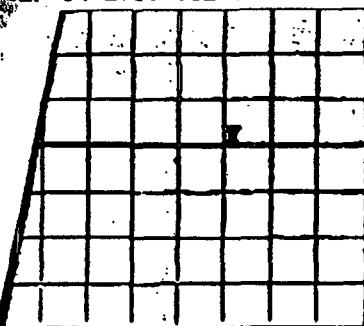
Santa Fe, New Mexico

01559

RECEIVED

WELL RECORD

FEB 26 1962

AREA 640 ACRES
LOCATE WELL CONSIDERATELY

Mail to District Office, Oil Conservation Commission, to which Form T-101 was sent not later than twenty days after completion of well. Follow instructions of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

Hondo-Torero-Yates
(Company or Operator)State 'A'
(Lease)

Well No. 45, in SW 1/4 of SE 1/4, of Sec 26, T. 17-S, R. 20-E, NMPM.

Empire Abo

Pool,

R44

County.

Well is 2310 feet from South line and 1900 feet from East line

of Section 26. If State Land the Oil and Gas Lease No. is 647

Drilling Commenced 12-12-61, 19 Drilling was Completed 2-6-62, 19

Name of Drilling Contractor Yates Drig. Co.

Address Garper Bldg.

Elevation above sea level at Top of Tubing Head 3665 The information given is to be kept confidential until

, 19

OIL SANDS OR ZONES

No. 1, from to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	OUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	24.7	Used	742'	Float			Surface
5-1/2"	15.50	New	6347'	Float			Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8-5/8"	742'	350	Pump - Plug		
7-7/8"	5-1/2"	6347'	180 Units 123 100 150 lbs. Inver 25 gal.	Pump - Plug		

01559

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company Hondo-Wentern-Yates			Address Box 129, Artesia, New Mexico			
Lease State 'A'	Well No. 45	Unit Letter G	Section 26	Township 17-S	Range 28-E	
Date Work Performed See below	Pool Empire Abo	County Eddy				

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain):
- ☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

12-13-61 Ran 742' of 8-5/8" OD 24# used casing, cemented with 350 sks. regular neat cement 2% C.C.

1-7-62 Ran 6347' of 5-1/2" OD 15.5# new gals. casing, cemented with 180 units of HYS 400 plus 150 sks. 2% gel. (circ. 25 sks.)

2-10-62 Ran 6245' of 2" EUC 4.70# J-55 new gals tubing.

See attached page for perforations and treatment.

RECEIVED

FEB 26 1962

O. C. C.
ARTESIA, OFFICE

Witnessed by A. J. Deans	Position Dist. Prod. Supt.	Company Hondo Oil & Gas Company
------------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

DF Elev.	TD	PBTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

2-26-62

Approved by <i>M. J. Armstrong</i> OIL AND GAS INSPECTOR	Name <i>A. J. Deans by [Signature]</i> Position Dist. Prod. Supt. Company Hondo Oil & Gas Company
Date FEB 26 1962	

WELLBORE DIAGRAM

WELL NAME: N.G. Phillips State

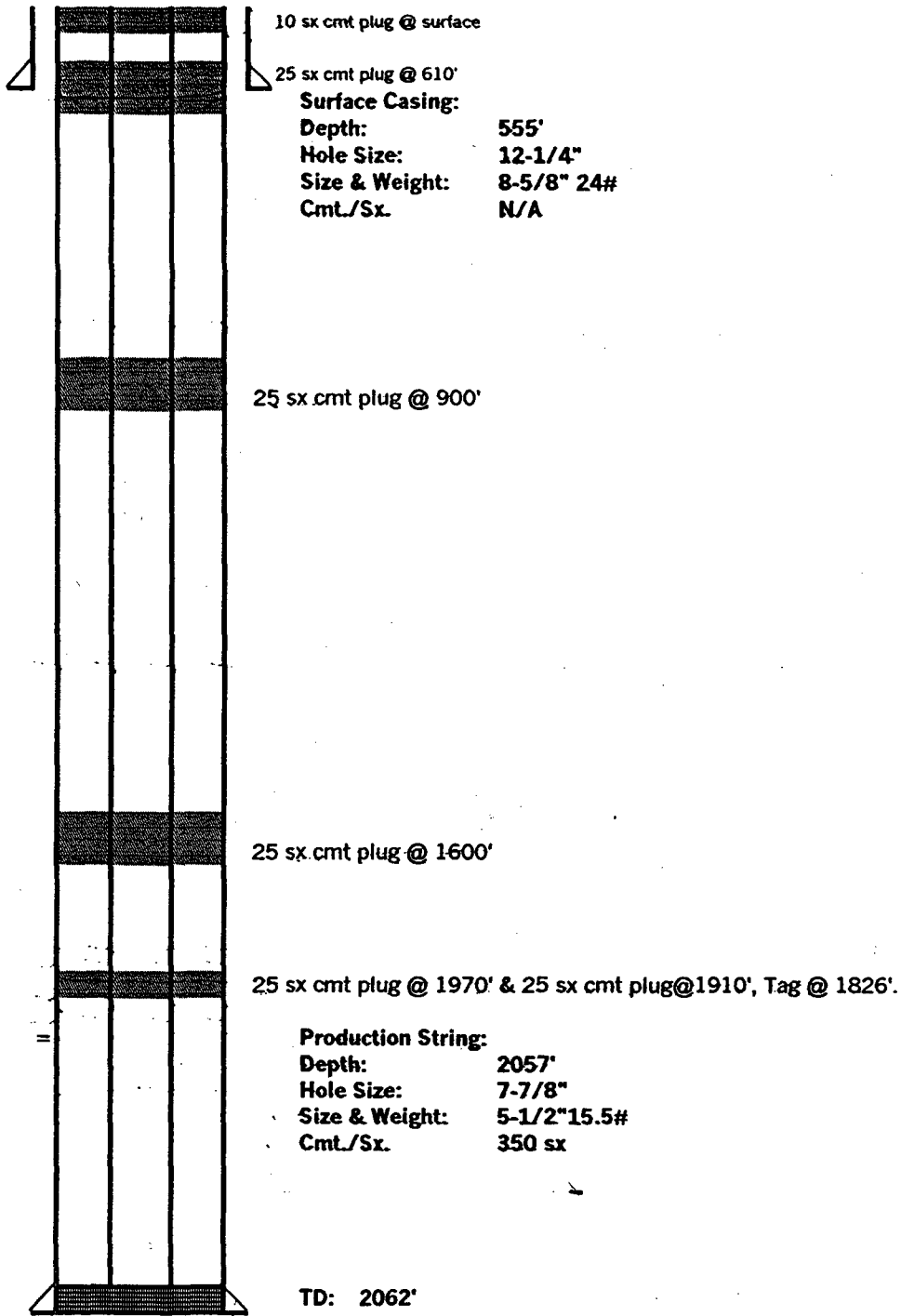
WELL NO: 5

LOCATION: 1650' FSL 1650' FEL Unit: J Section: 27 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-01573

POOL: Artesia Queen Grayburg San Andres

DATE P&A: 12/28/92



Date: 8/22/00 aer

RECEIVED

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

JAN 27 1993

Form C-103
Revised 1-1-89

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

OIL CONSERVATION DIVISION

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

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

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

O. C. D.
ARTESIA DISTRICT

WELL API NO.

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

B-2071

7. Lease Name or Unit Agreement Name

N.G. Phillips State

8. Well No.

5

9. Pool name or Wildcat

Artesia Queens Grbg SA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☒GAS
WELL ☐OTHER ☐

2. Name of Operator

Marbob Energy Corporation ✓

3. Address of Operator

P.O. Drawer 217, Artesia, NM 88210

4. Well Location

Unit Letter J : 1650 Feet From The South Line and 1650 Feet From The East LineSection 27Township 17-SRange 38-E28 NMPMCounty Eddy

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3654' GL

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) Spot 25 sacks cement plug at 1970' W.O.D. run tubing did not tag plug respot 25 sacks of cement at 1910' W.O.C. tag plug at 1826'.
- 2) Load hole W/mud
- 3) Spot 25 sacks cement plug at 1600'
- 4) Spot 25 sacks cement plug at 900'
- 5) Spot 25 sacks cement plug at 610'
- 6) Spot 10 sacks cement plug at surface

Part IO-2
1-15-93
P & H

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Raymond M. Blaser

TITLE

Supervisor

DATE

12-28-92

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY

Raymond M. Blaser

TITLE

DATE

APR 29 1993

CONDITIONS OF APPROVAL, IF ANY:

WELLBORE DIAGRAM

WELL NAME: Empire Abo Unit "D"

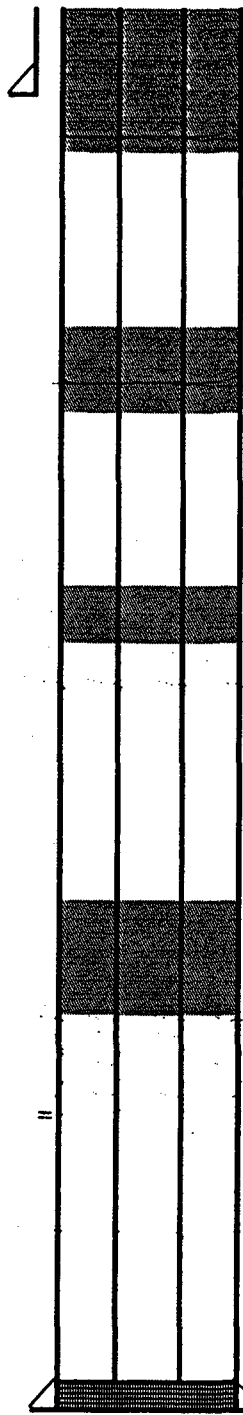
WELL NO: 35

LOCATION: 330' FSL 1980' FEL Unit: O Section: 27 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-01590

POOL: Empire Abo

DATE P&A: 8/28/87



75 sx cmt plug from 0-850'

Surface Casing:

Depth: 732

Hole Size: 12-1/4"

Size & Weight: 8-5/8" 24#

Cmt./Sx. 400

25 sx cmt plug from 1135-1425'

25 sx cmt plug from 1860-2150'

CIBP @ 5900', 30 sx cmt plug from 5550-5900'

Perfs: 6114'-6138'

Form: Abo

Production String:

Depth: 6240'

Hole Size: 7-7/8"

Size & Weight: 4-1/2" 9.5#

Cmt./Sx. 900 sx

TD: 6240'

Date: 8/22/00 aer

ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION RECEIVED

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

SEP 16 '87

Form C.
RevisedO. C.
ARTESIA

3a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	
3b. State Oil & Gas Lease No.	B-2071

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUS SAGS TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	Gas Injection	7. Unit Agreement Name	
2. Name of Operator	ARCO Oil and Gas Company	8. Form or Lease Name	Empire Abo Unit
3. Address of Operator	P.O. Box 1610, Midland, Texas 79702	9. Well No.	35
4. Location of Well	0 330 South 1980 PORT LETTER FEET FROM THE LINE AND FEET FROM THE East LINE, SECTION 27 TOWNSHIP 17S RANGE 28E RUPU.	10. Field and Pool, or Under	Empire Abo
11. Elevation (Show whether DF, RT, GR, etc.)	3672 GR	12. County	Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
 CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
 COMMENCE DRILLING OPER. ☐
 CASING TEST AND CEMENT JOB ☐

ALTERING CASING ☐
 PLUG AND ABANDON ☐

OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any work) SEE RULE 1703.

8-26-87. RUPU. P&A'd as follows:

Plug	Interval	Cmt	Remarks
1	5550-5900	30 sx	Set CIBP at 5900. Loaded hole w/mud. Spot 30 cmt f/5900-5550.
2	1860-2150	25 sx	Spot
3	1135-1425	25 sx	Spot
4	0-850	75 sx	Spot

Cut off wellhead. Installed dry hole marker.
 P&A'd 8-28-87

Post IO-2
 9-25-87
 P&A

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Kenneth SossnellTITLE Engr. Tech. 915-608-2672DATE 9-14-87APPROVED BY Danell MooreTITLE GeologistDATE 12/3/87

CONDITIONS OF APPROVAL, IF ANY:

P&A wells within 1/2 mile of : Melrose Operating Company, Artesia Unit, C-108 Injection Application of 8/25/00

WELLBORE DIAGRAM

WELL NAME: N.G. Phillips State

WELL NO: 3

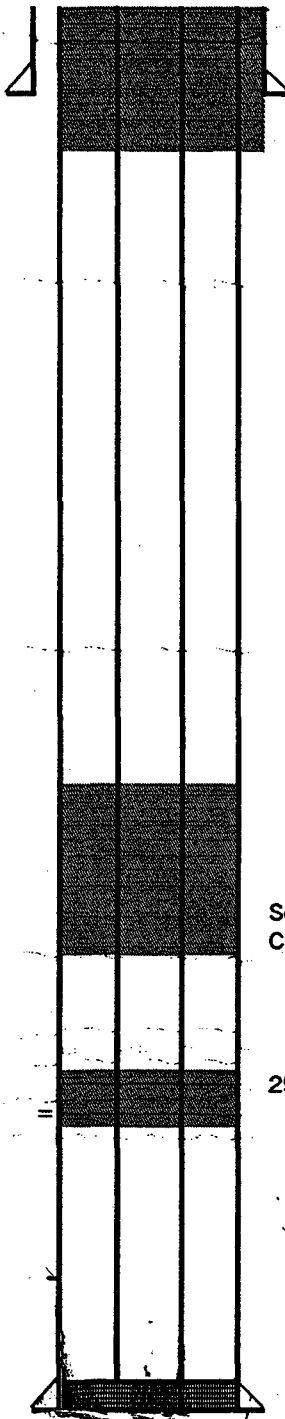
LOCATION: 330' FSL 330' FEL Unit: P Section: 27 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-01571

POOL: Artesia Queen Grayburg San Andres

DATE P&A: 1/12/84

Perforated @ 600', squeezed 150 sx to surface.



Surface Casing:

Depth: 500'

Hole Size: 12-1/4"

Size & Weight: 8-5/8" 24#

Cmt./Sx. N/A

Squeezed csg @ 1050' w/150 sx

Cut, shot, tried to pull csg @ 1050'-could not pull.

Perfs: 2082'-2092'

Form: *****

25 sx cmt plug @ 2100', tagged @ 1875'

Production String:

Depth: 2122'

Hole Size: 7-7/8"

Size & Weight: 5-1/2" 15.5#

Cmt./Sx. 135 sx

TD: 2133'

Date: 8/22/00 aer

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OPERATOR	<input checked="" type="checkbox"/>

OIL CONSERVATION RECEIVED BY
P. O. BOX 1088
SANTA FE, NEW MEXICO 87501O. C. D.
ARTESIA, OFFICEForm C-1
Revised3a. Indicate Type of Lease
State ☒ F.
3. State Oil & Gas Lease No.
B-2071

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO UNPLUG OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT TO DRILL OR TO UNPLUG OR PLUG BACK TO A DIFFERENT RESERVOIR.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement None
2. Name of Operator Marbob Energy Corporation	8. Farm or Lease Name NG Phillips St.
3. Address of Operator P.O. Drawer 217, Artesia, N.M. 88210	9. Well No. 3
4. Location of Well UNIT LETTER <u>P</u> <u>330</u> FEET FROM THE <u>South</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE. SECTION <u>27</u> TOWNSHIP <u>17S</u> RANGE <u>28E</u> NMPM.	10. Field and Pool, or Wildcat Artesia Qn Grbg S.
11. Elevation (Show whether DF, RT, GR, etc.) 3666' GR	12. County Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐PLUG AND ABANDON ☐
CHANGE PLANS ☐OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1/12/84 This well was plugged and abandoned as follows: Set 25 sack plug @ 2100', tagged @ 1875'; cut casing @ 1050', could not pull loose, shot casing again @ 1050', still would not pull loose, squeezed casing @ 1050' w/150 sax, came out of hole, perforated 600', squeezed 150 sax, came out of hole, shut down. Will install dry hole marker after drilling NG Phillips State #36.

Post ID-2
2-3-84
P4A

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED

Carolyn Davis

TITLE

Production Clerk

DATE 1/26/84

APPROVED BY

Larry Brooks

TITLE

Geologist

DATE 3-9-84

CONDITIONS OF APPROVAL, IF ANY

WELL NAME: Amoco State "C" WELL NO: 1
LOCATION: 344' FNL 1650' FEL Unit: B Section: 34 TWNS: T-17-S Range: R-28-E Eddy Co. NM
API NO. 30-015-01701

POOL: Artesia Queen, Grayburg

Perfed @ 600', circulated 150 sx cmt to surface

Depth: 594'
Hole Size: 12-1/4"
Size & Weight: 8-5/8" 24#
Cmt./Sx. 50 sx

Perfed @ 1400', squeezed w/75 sx, tagged @ 1000'

Set 50 sx plug @ 2130', tagged @ 1781'

Perfs: 2064'-2074'
Form: *****

Depth: 2180'
Hole Size: 7-7/8"
Size & Weight: 5-1/2"15.5#
Cmt./Sx. 100 sx

TD: 2208'

Date: 8/22/00 aer

ENERGY AND MINERALS DEPARTMENT

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LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

P.O. BOX 2088
SANTA FE, NEW MEXICO 87501

FEB 20 1987

O. C. D.

ARTESIA, OFFICE

30. Indicate Type of Loc.

State ☒

31. State Oil & Gas Loc.

E-7116

SUNDARY NOTICES AND REPORTS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REEPP OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Marbob Energy Corporation	8. Farm or Lease Name Amoco St. C
3. Address of Operator P.O. Drawer 217, Artesia, N.M. 88210	9. Well No. 1
4. Location of Well UNIT LETTER <u>B</u> <u>344</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>34</u> TOWNSHIP <u>17S</u> RANGE <u>28E</u> N.M.P.M.	10. Field and Pool, or W. Artesia On Gr
15. Elevation (Show whether OF, RT, GR, etc.) 3683.4' GR	12. County Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:
 PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐

 PLUG AND ABANDON ☐
 CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

 REMEDIAL WORK ☐
 COMMENCE DRILLING OPER. ☐
 CASING TEST AND CEMENT JOB ☐

 ALTERING CASING ☐
 PLUG AND ABANDON ☐
OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting work) SEE RULE 1708.

Plugged & abandoned as follows: Set a 50 sack plug @ 2129.72', tagged @ 1781', perforated 2 holes @ 1400', squeezed w/75 sax; tagged @ 1000'; perforated 2 holes @ 600', circulated 150 sax cement to surface; installed dry hole marker.

 Post IO-
 2-27-87
 Y4A

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED

Carolyn M. ...

TITLE

Production Clerk

DATE

2-16

APPROVED BY

Mark Sturges

TITLE

OIL AND GAS INSPECTOR

DATE

JAN 18

CONDITIONS OF APPROVAL, IF ANY

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088
JAN 23 89

O. C. D.
ARTESIA OFFICE

WELL API NO.
30-015-01706

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

647

7. Lease Name or Unit Agreement Name

Empire Abo Unit "G"

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil

☒

Well

Gas

☐

Well

Other ☐

2. Name of Operator

ARCO OIL AND GAS COMPANY

8. Well No.

36

3. Address of Operator

P. O. Box 1610, Midland, Texas 79702

9. Pool name or Wildcat

Empire Abo

4. Well Location

Unit Letter I : 2310 Feet From The south Line and 990 Feet From The East Lib.

Section 34 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3664

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

RU PU 12-5-88. P&A'd as follows:

Plug	Interval	Cmt	Remarks
1	5800-6150	45 sx	Set CIBP at 6150. Spot 45 sx cmt on top.
2	3733-3650	25 sx	Spot balanced plug.
3	2175-2300	50 sx	Perf at 2300. CR at 2199 w/5 sx on top. Water flow out 5-1/2 csg. shut off.
4	1793-1900	140 sx	Perf at 1900. CR at 1793.
5	620-1793	120 sx	Spot
6	0-250	25 sx	Spot

cut off wellhead & installed dry hole marker. P&A'd 12-9-88.

Port ID-2
1-27-89
P&A

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ken W. Gosnell

TITLE Engr. Tech.

DATE 1-20-89

TYPE OR PRINT NAME Ken W. Gosnell

915/688-5672

TELEPHONE NO.

(This space for State Use)

APPROVED BY

Daniel Moore

TITLE

Geologist

DATE

6/13/89

CONDITIONS OF APPROVAL, IF ANY:

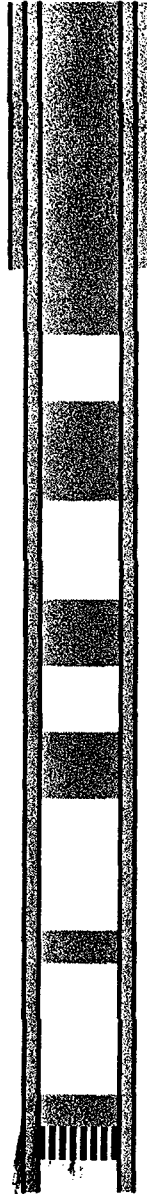
WELLBORE SCHEMATIC

Arco
Empire Abo Unit #35
970 FSL & 2274 FEL
Section 34-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 6,299 feet
API #30-015-01703
Date Drilled: 4/3/60
Date Plugged: 5/11/90

Casing: 8 5/8"
Hole Size:
Depth: 538'
Cement: 50 sx

Casing: 5 1/2"
Hole Size:
Depth: 6289'
Cement: 200 sx

TD: 6289'



Plug #6 0-856 730 sx

Plug #5 1392-1530 60 sx

Plug #4 2237-2469 25 sx

Plug #3 3700-3946 25 sx

Plug #2 4765-5011 25 sx

Plug #1 5720-6114 40 sx
CIBP 6114

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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

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

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

Form C-103
Revised 1-1-89

WELL API NO. 35-015-01715

1. Indicate Type of Lease ☒ STATE ☐ FEE ☐

6. State Oil & Gas Lease No. B11538-1

7. Lease Name or Other Designation Name
Empire Abo

8. Well No. o.c. 35

9. Pool name or other designation
Empire Abo

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
ARCO OIL AND GAS COMPANY

3. Address of Operator
P. O. Box 1610, Midland, Texas 79702

4. Well Location
Unit Letter 0 : 969.94 Feet From The South Line and 2274.16 Feet From The East Line
Section 34 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

DRILL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5-9-90. RU PU. P&A as follows:

Plug	Interval	Cmt.	Remarks
1	5720-6114	40 sx	Set CIBP at 6114. Press test csg to 500#. Ran c f/5000-4400. Spotted 40. sx on top of CIBP.
2	4765-5011	25 sx	Spot
3	3700-3946	25 sx	Perf at 3820. Unable to pump into. Spot 25 sx Cmt.
4	2237-2469	25 sx	Perf at 2360. Unable to pump into. Spot 25 sx Cmt.
5	1392-1530	60 sx	Perf at 1530. Set CR at 1434. Sqz'd w/60 sx. Dmpd. 42' cmt on CR.
6	Surf- 856	730 sx	Perf at 856. Cmt csg inside & outside to Surf.

5-11-90. P&A'd. Installed Dry Hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ken W. Gosnell TITLE Engr. Tech. DATE 12-26-90

TYPE OR PRINT NAME Ken W. Gosnell 915/688-5672 TELEPHONE NO.

(This space for State Use)

APPROVED BY Johnny Robinson TITLE OIL AND GAS INSPECTOR DATE 4-22-91

CONDITIONS OF APPROVAL, IF ANY

OK GW

WELLBORE SCHEMATIC

Phillips
Carper-Levers #3
330 FSL & 1650 FWL
Section 34-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,633 feet
API #30-015-01722
Date Drilled: 7/14/53
Date Plugged: 3/5/59

Casing: 8 5/8"
Hole Size:
Depth: 702'
Cement: 50 sx

Plug #5 Surface 5 sx

Plug #4 440' 15 sx

Casing: 7"
Hole Size:
Depth: 2400'
Cement:

Plug #3 1450' 15 sx

Knocked off pipe @ 2005'

Plug #2 2005' 15 sx

Shot Lane Wells Plug @ 2312
Swabbed dry, no fluid entry.

Plug #1 TD - 2312 25 sx

TD: 2633'



NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106) 1959

COMPANY N. Gordon Phillips
(Address)

30-015-01722

LEASE Carper Levers WELL NO. 3 UNIT N S 34 T 17 R 28
DATE WORK PERFORMED March 5, 1959 POOL ArtesiaThis is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☒ Plugging ☐ OtherDetailed account of work done, nature and quantity of materials used and results obtained.
February 27, and 28, March 1, -Swabbed 244 Bbls, water 134 Bbls. Oil
March 2, -Shot Lane Wells Plug at 2312, Swabbed and baled dry - no fluid.
March 3, 4, & 5-Plugged wellSpotted 25 sack cement plug on bottom-2312'- Knocked off pipe at 2,005.70'-Set
15 sack cement plug in and out of pipe-Pumped mud in hole to 1450'-Set 15 sack cement
plug-Filled hole to 140' with mud-Set 15 sack cement plug-Mudded to top- Set 5 sack
cement plug and marker.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. TD PBD Prod. Int. Compl Date
Tbng. Dia Tbng Depth Oil String Dia Oil String Depth
Perf Interval (s)
Open Hole Interval Producing Formation (s)

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by

(Company)

OIL CONSERVATION COMMISSION

I hereby certify that the information given
above is true and complete to the best of
my knowledge.Name W. A. GussertTitle OIL AND GAS INSPECTORDate JUN 19 1959Name Gus C. Baker
Position AgentCompany N. Gordon Phillips, Box 638
Artesia, New Mexico

WELLBORE DIAGRAM

WELL NAME: Empire Abo Unit "E"

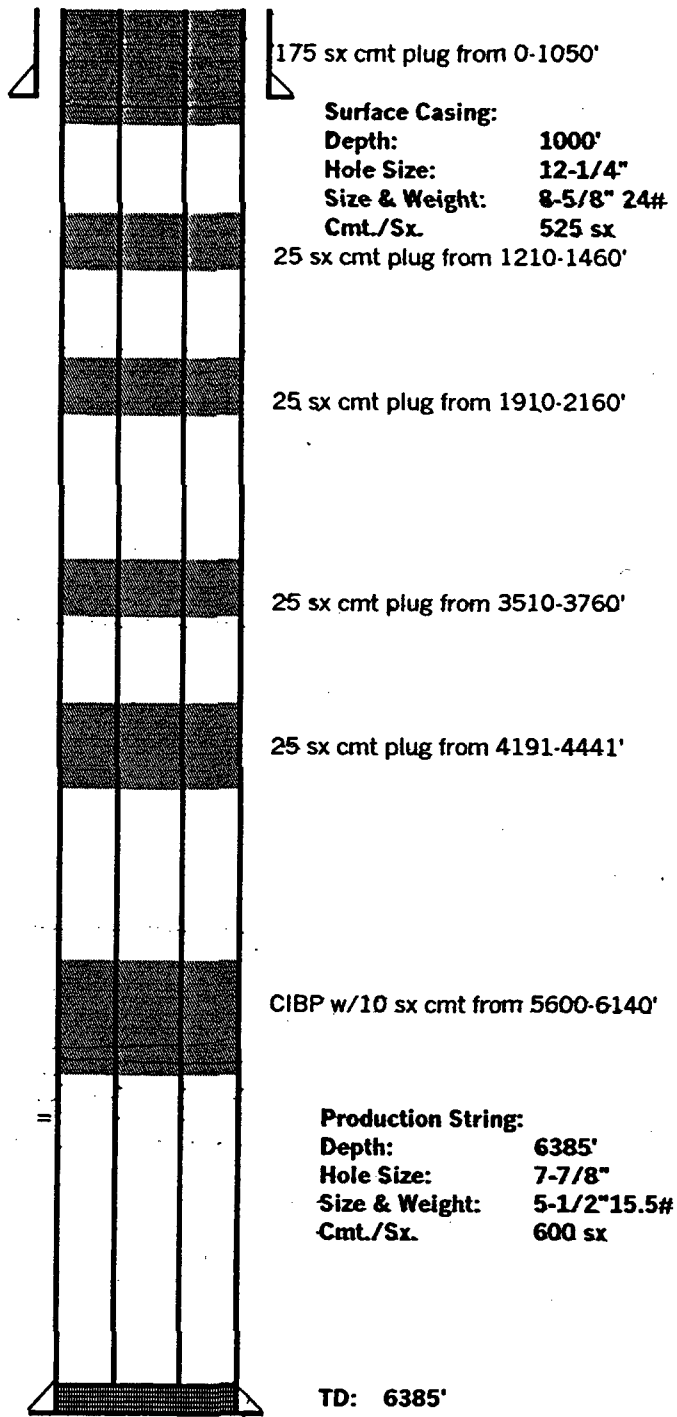
WELL NO: 381

LOCATION: 1155' FNL 2475' FWL Unit: C Section: 35 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-21536

POOL: Empire Abo

DATE P&A: 7/10/92



Date: 8/22/00 aer

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

Submit 3 Copies
to Appropriate
District Office

DISTRICT I
P.O. Box 1988, Hobbs, NM 88240

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2008

AUG 31 1992

O. C. D.
OFFICE

WELL API NO.

30-015-21536

5. Indicate Type of Lease

STATE ☒

6. State Oil & Gas Lease No.

647

7. Lease Name or Unit Agreement No.

Empire Abo Unit "E"

8. Well No.

381

9. Pool Name or Wildcat
Empire Abo

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ other

2. Name of Operator
ARCO OIL and GAS COMPANY

3. Address of Operator
P.O. Box 1610, Midland, Texas 79702

4. Well Location

Unit Letter C : 2475 Feet From The West Line and 1155 Feet from The North

Section 35

Township 17S

Range 28E

NMPM Eddy

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3683.8 GR

11. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐

(Other) ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐

(Other) ☐

12. Describe Proposed or completed Operation (Clearly state all pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7-8-92. RUPU. POH w/CA. Plug & Abandoned as follows:

Plug	Interval	Cmt	Remarks
1	5600-6140	10 sx	CTBP & cmt. Displaced hole w/10# MLF.
2	4191-4441	25 sx	Spot
3	3510-3760	25 sx	Spot
4	1910-2160	25 sx	Spot
5	1210-1460	25 sx	Spot
6	0-1050	175 sx	Spot

Part ID-2
9-4-92
P&A

Cut off csg. Installed Dry Hole marker. P&A'd 7-10-92.

I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE Ken W. GosnellTITLE Regulatory CoordinatorDATE 8-27-92TYPE OR PRINT NAME Ken W. GosnellTELEPHONE (915) 888-5672

(This space for State Use)

APPROVED BY

Johnny Robinson

TITLE

OIL AND GAS INSPECTOR

DATE

9-k

CONDITIONS FOR APPROVAL, IF ANY

WELLBORE DIAGRAM

WELL NAME: Empire Abo Unit "E"

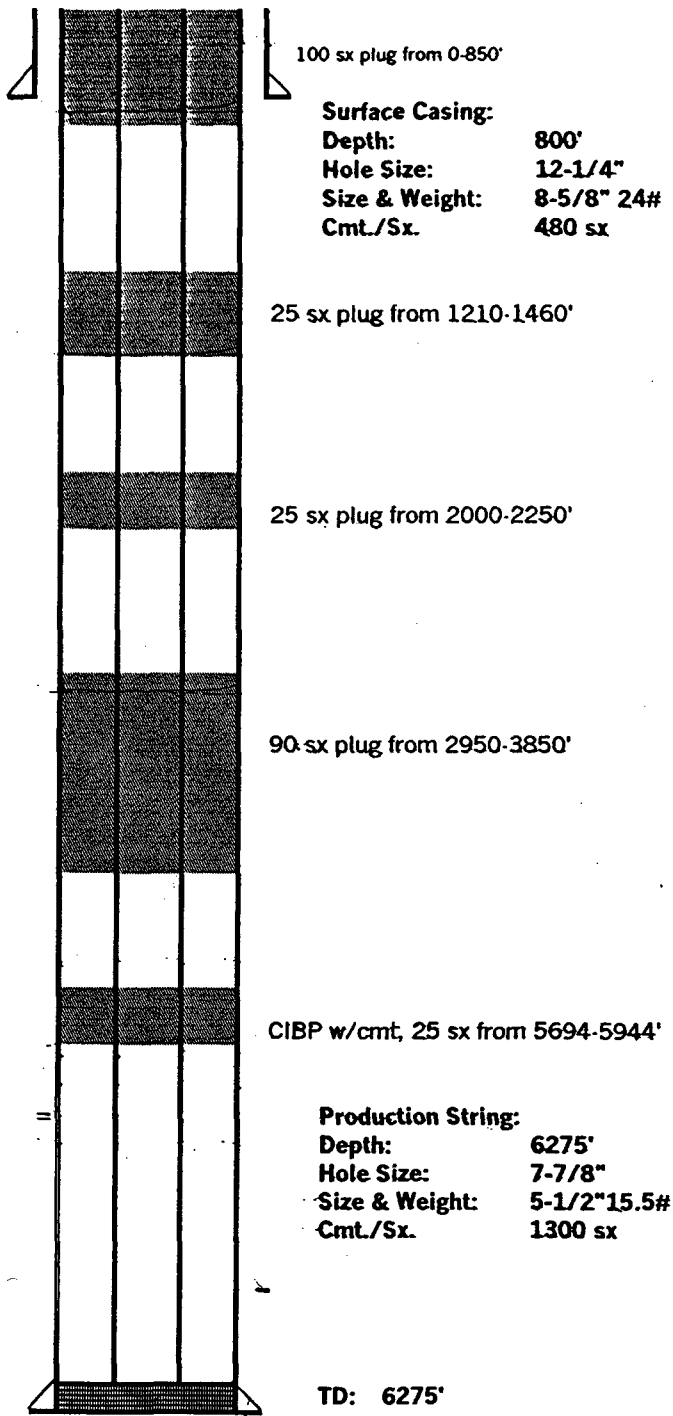
WELL NO: 373

LOCATION: 150' FNL 15' FWL Unit: D Section: 35 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-22462

POOL: Empire Abo

DATE P&A: 7/8/92



Date: 8/22/00 aer

Submit 3 Copies
to Appropriate
District Office

DISTRICT I
P.O. Box 1988, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2008

AUG 31 1992

O. C. D.
OFFICE

Form C-103
Revised 1-1-88

WELL API NO.

30-015-22462

5. Indicate Type of Lease

STATE ☒ FEL

6. State Oil & Gas Lease No.

B-11593

7. Lease Name or Unit Agreement Name

Empire Abo Unit "E"

8. Well No.

373

9. Pool Name or Wildcat

Empire Abo

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

OIL
WELL ☒GAS
WELL ☐

other

2. Name of Operator

ARCO OIL and GAS COMPANY

3. Address of Operator

P.O. Box 1610, Midland, Texas 79702

4. Well Location

Unit Letter D : 150 Feet From The North Line and 15 Feet from The WestSection 35Township 17SRange 38E28 NMPM

Eddy

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3670.4 GR

11.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐(Other) ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐(Other) ☐

12. Describe Proposed or completed Operation (Clearly state all pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7-8-92. RUPU. POH w/CA. Plug & Abandon as follows:

Plug	Interval	Cmt	Remarks
1	5694-5944	25 sx	CIBP w/cmt. Displace hole w/10# MLF.
2	2950-3850	90 sx	
3	2000-2250	25 sx	
4	1210-1460	25 sx	
5	0-850	100 sx	

CO csg & installed Dry hole marker. P&A'd 7-8-92.

I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE

Ken W. Gosnell

TITLE

Regulatory Coordinator

DATE

8-27-92

TYPE OR PRINT NAME

Ken W. Gosnell

TELEPHONE

(915) 688-5672

(This space for State Use)

Post ID-2
9-4-92
P&A

WELLBORE DIAGRAM

WELL NAME: Empire Abo Unit "F"

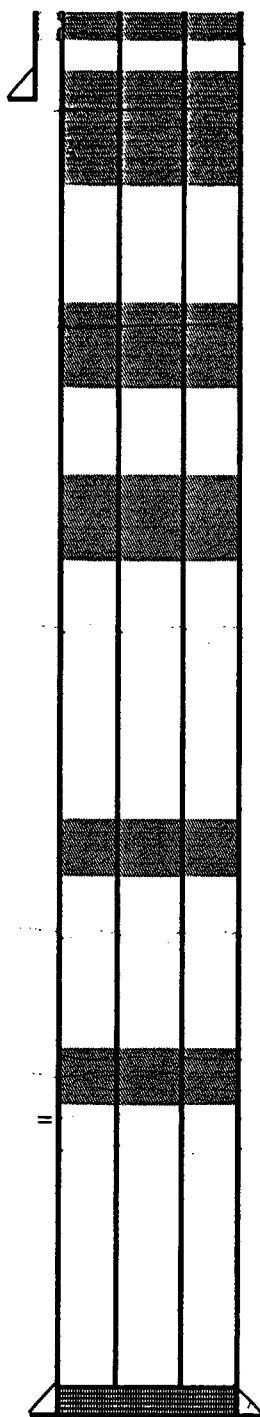
WELL NO: 372

LOCATION: 2490' FNL 1100' FWL Unit: E Section: 35 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-22137

POOL: Empire Abo Unit

DATE P&A: 12/8/89



20 sx plug from 0-100'

TO SR @ 840 40 sx cmt plug-550-914'

Surface Casing:

Depth: 750

Hole Size: 12-1/4"

Size & Weight: 8-5/8" 24#

Cmt./Sx. 300 sx

TO Queen @ 1345' 25 sx cmt plug-1150-1400'

TO SA @ 2080' 50 sx cmt plug-1700-2150'

DV tool @ 4207- 25 sx cmt plug

CIBP w/25 sx cmt on top from 5900-6150'

Perfs: 6239'-6243'

Form: Abo

Production String:

Depth: 6370'

Hole Size: 7-7/8"

Size & Weight: 5-1/2" 15.5#

Cmt./Sx. 500 sx

TD: 6370'

Date: 8/22/00 aer

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

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

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

APR 5 '90

WELL API NO.	30-015-22137
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	B-11593-8

SUNDRY NOTICES AND REPORTS ON WELLS C. C. D.
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR RE-ABANDON A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name	Empire Abo Unit "F"
--------------------------------------	---------------------

1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator ARCO OIL AND GAS COMPANY ✓	8. Well No. 372
3. Address of Operator P. O. Box 1610, Midland, Texas 79702	9. Pool Name or Wildcat Empire Abo Unit	
4. Well Location Unit Letter <u>E</u> : <u>2490</u> Feet From The <u>North</u> Line and <u>1100</u> Feet From The <u>West</u> Section <u>35</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>Eddy</u> County <u></u>		
10. Elevation (Show whether DF, RKB, RT, GR, etc.)		

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

12-6-89 RUPU. P&A'd as follows:

Plug	Interval	Cmt	Remarks
1	5900-6150	25 sx	CIBP w/25 sx on top
2	4000-4252	25 sx	DV tool at 4207
3	1700-2150	50 sx	TO SA @ 2080
4	1150-1400	25 sx	TO Queen @ 1345
5	550-914	40 sx	TO SR @ 840
6	0-100	20 sx	

Installed dry hole marker. P&A'd 12-8-89.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ken W. Gosnell TITLE Engr. Tech. DATE 4/2/90
TYPE OR PRINT NAME Ken W. Gosnell 915/688-5672 TELEPHONE NO.

(This space for State Use)

APPROVED BY Daniel P. Moore TITLE Dist. Geol. DATE 6/4/90
CONDITIONS OF APPROVAL, IF ANY:

Part I
4-26
P4 r

WELLBORE DIAGRAM

WELL NAME: Artesia Unit

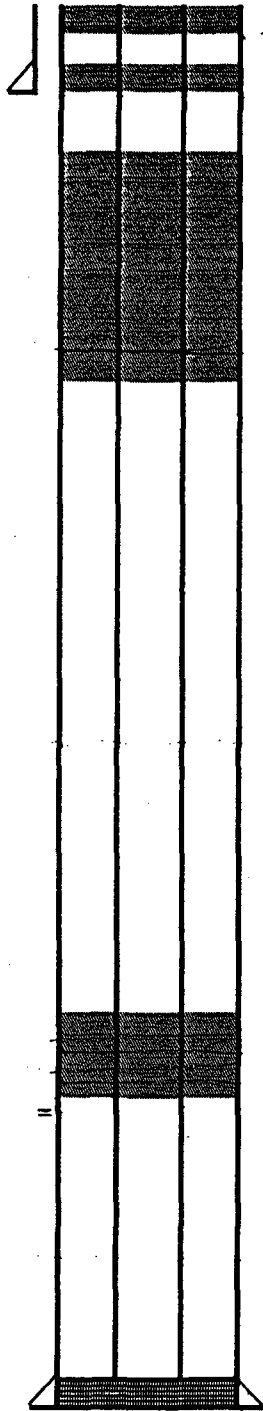
WELL NO: 20

LOCATION: 2310' FSL 330' FEL Unit: I Section: 35 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-02126

POOL: Artesia

DATE P&A: 6/22/00



20 sx cmt plug @ 30'-surface

45 sx @ 748', tagged @ 547'

Surface Casing:

Depth: 606'

Hole Size: 8-1/4"

Size & Weight: 7"

Cmt./Sx. 75 sx

25 sx @ 1150' tagged @ 690', cut csg @ 690'

CiBP @ 2150' w/40 sx cmt on top

Perfs: 2502'-2508'

Form: N/A

Production String:

Depth: 2525'

Hole Size: 7-7/8"

Size & Weight: 4-1/2"

Cmt./Sx. 200 sx

TD: 2525'

Date: 8/22/00 aer

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

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

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-015-02126
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> WIW	Lease Name or Unit Agreement Name Artesia Unit
Name of Operator Melrose Operating Co.	
Address of Operator PO Box 5061, Midland, TX 79704	Well No. 20
Well Location Unit Letter <u>I</u> : <u>2310</u> Feet From The <u>South</u> Line and <u>330</u> Feet From The <u>East</u> Line Section <u>35</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>Eddy</u> County	Pool name or Wildcat Artesia QN-GB-SA
Elevation (Show whether DF, RKB, RT, GR, etc.)	

11

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
REPAIR OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6/21/00 -

Notify OCD. Move equip to location. MI & RU. ND wellhead. NUBOP. Unset pkr. POH. RIH & set CIBP @ 2150' RIH w/tbg. Load hole w/10# mud. Spot 40 sx @ 2150'. POH to 1150' & spot 25 sx. POH. Close in well.

6/22/00 -

RIH & tag @ 690'. POH. Weld on pull nipple. Cut csg @ 690'. POH w/19 jts. RIH & spot 45 sx @ 748'. POH. WOC. RIH & tag @ 547'. POH & spot 20 sx @ 30' to surf. RD. Cut off wellhead. Level pit & cellar.

Install dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Bonnie Atwater

TITLE Regulatory Tech.

DATE 07-20-00

TYPE OR PRINT NAME Bonnie Atwater

TELEPHONE NO. 915/685-1761

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

WELLBORE DIAGRAM

WELL NAME: Artesia Unit

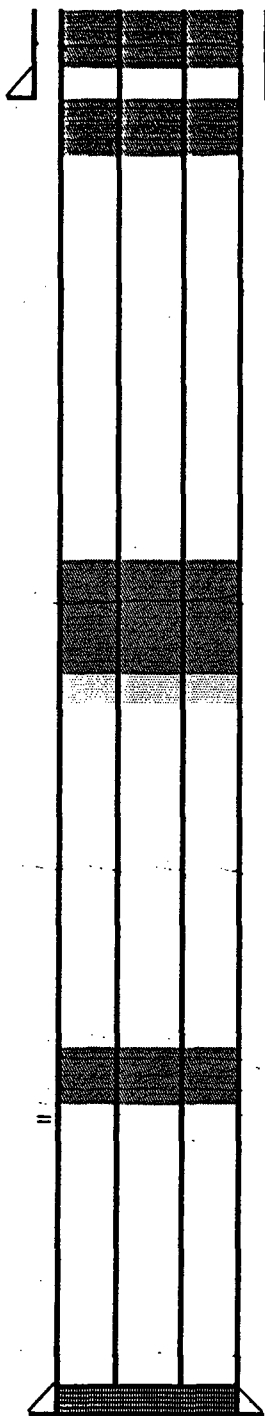
WELL NO: 30

LOCATION: 990' FSL 2310' FEL Unit: O Section: 35 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-01743

POOL: Artesia

DATE P&A: 4/18/75



30 sx cmt plug from 240-300', 7 cu yds ready mix cmt bridge, filled hole w/ready mix to surface.

30 sx cmt from 386-500', Cut of 8 5/8" @ 285' & pulled

Surface Casing:

Depth: 546'

Hole Size: 12-1/4"

Size & Weight: 8-5/8" 24#

Cmt./Sz. 100 sx

50 sx cmt plug from 1090-1500'

Cut 4 1/2" csg @ 1196' & pulled

CIBP @ 2440' w/40' cmt on top

Perfs: 2470'-2512'

Form:

Production String:

Depth: 2494'

Hole Size: 7-7/8"

Size & Weight: 4-1/2" 9.5#

Cmt./Sz. 100 sx

TD: 2535'

Date: 8/22/00 aer

COPIES RECEIVED	
DISTRIBUTION	
SAFETY	
FILE	
U.S.	
OFFICE	
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

MAY 5 1975

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Name of Lease Unit Artesia Unit
9. Well No. 30
10. Field and Pool, or Wellson Artesia
12. County Eddy

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER: Injection
2. Name of Operator DEPCO, Inc.
3. Address of Operator 800 Central, Odessa, Texas 79761
4. Location of Well UNIT LETTER 0 2310 FEET FROM THE East LINE AND 990 FEET FROM THE South LINE, SECTION 35 TOWNSHIP 17S RANGE 28E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 3662 Gr.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4-16-75 Set cast iron bridge plug at 2440' w/40' cement plug on top.
Cut 4 1/2" casing at 1196 and pulled.
4-17-75 Set 50 sx. cement plug 1500-1090, 30 sxs. 500-386. Cut off 8 5/8" casing at 285' and pulled. Set 30 sx. cement plug 300-240.
4-18-75 Put in 7 cubic yards ready-mix cement in well and made bridge.
Filled hole with ready-mix and set dry hole marker.

I, I hereby certify that the information above is true and complete to the best of my knowledge and belief.

PROVED BY <u>D. R. Mason</u>	TITLE <u>Chief Clerk</u>	DATE <u>4-30-75</u>
PROVED BY <u>[Signature]</u>	TITLE <u>OIL AND GAS INSPECTOR</u>	DATE <u>MAY 14 1975</u>

CONDITIONS OF APPROVAL, IF ANY:

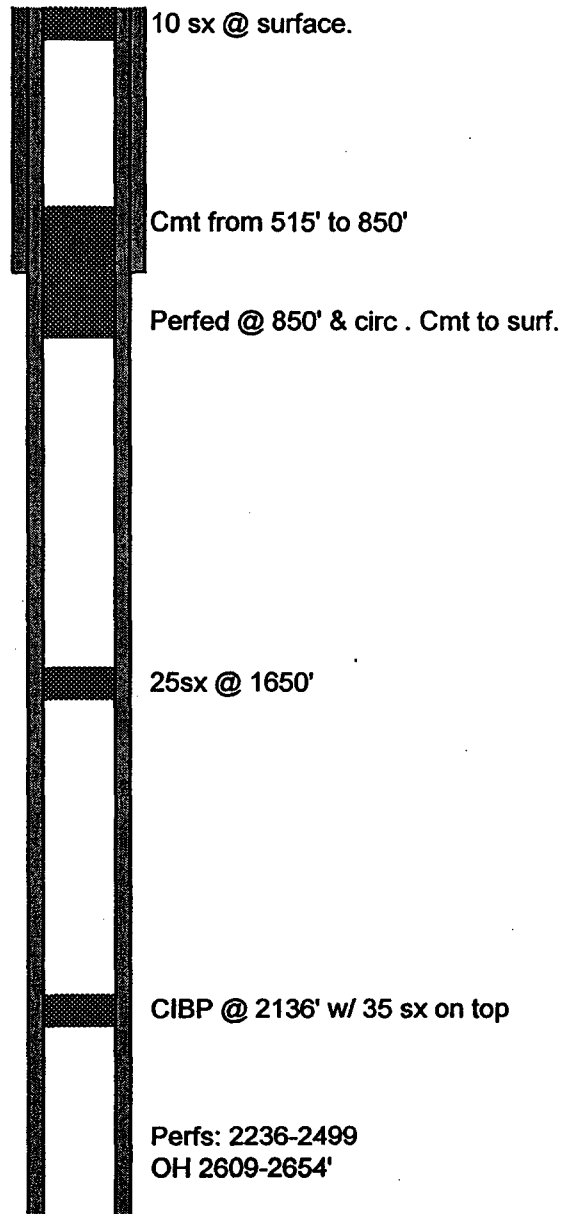
WELLBORE SCHEMATIC

SDX Resources
Artesia Unit #16
1980 FNL & 660 FWL
Section 36-17s-28e
Eddy County, New Mexico
Ground Elevation: 3674
Total Depth: 2654 feet
API #30-015-01759
Date Drilled: 2/25/57
Status: P&A

Casing: 7"
Hole Size:
Depth: 605'
Cement: 75 sx

Casing: 4 1/2"
Hole Size: 6 1/4"
Depth: 2609'
Cement: 200 sx

TD: 2654'



District I
P.O. Box 1950, Hobbs, NM 88240District II
P.O. Box 1950, Hobbs, NM 88240District III
P.O. Box 1950, Hobbs, NM 88240District III
1000 Rio Brazos Rd., Aztec, NM 87410State of New Mexico
Energy, Minerals and Natural Resources DepartmentForm 1-103
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088WELL API NO.
30-015-01759

3. Indicate Type of Lease

STATE ☒FEE ☐6. State Oil & Gas Lease No.
647

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

16

9. Pool name or Wildcat

Artesia-QN-GR-SA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE 'APPLICATION FOR PERMIT'
(FORM G-101) FOR SUCH PROPOSALS.)

Type of Well:

OIL

☒

GAS

☐

OTHER

Name of Operator

EDN RESOURCES, INC.

Address of Operator

P. O. BOX 5061 MIDLAND, TX 79704

Well Location

Unit Letter E 1980 Feet From The North Line and 660 Feet From The West Line

Section 36 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
GR 3674'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☒CASING TEST AND CEMENT JOB ☐OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5/19/95

RU Mayo Marrs unit & TOH w/Johnson 101 4-1/2" packer. Laid down 71 jts 2-3/8" PC tubing (2164'). Set CIBP @ 2136' & circulated hole w/mud laden fluid. Spotted 35' plug on top of CIBP. Spotted 25 sx plug @ 1650'. Perforate casing @ 850'. Set packer @ 300' & squeezed w/75 sx. Circulate cement to surface. Released packer & TOH. Tagged plug @ 515'. Set 10 sx surface plug. Installed dry hole marker. P&A

RECEIVED

JUN 2 1995

OIL CON. DIV.
DIST. 2

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

VICE PRESIDENT

DATE

6/01/95

TYPE OR PRINT NAME

JOHN POOL

TELEPHONE NO. (915) 685-17

(This space for State Use)

APPROVED BY

TITLE

Field Rep. II

DATE

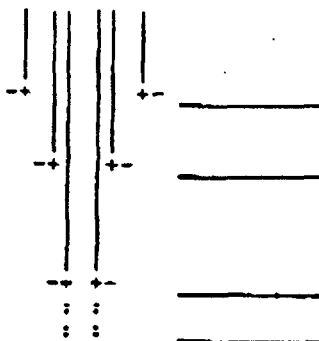
9/12/2000

CONDITIONS OF APPROVAL, IF ANY:

PK

WELL DATA SHEET

01759



WELL NAME Artesia Unit #16 FILE # 001300-16
 LSE NAME Artesia Unit LSE. # State 647
 LOC. E 36-17a-28e, 1980 fml 660fwl
 GL _____ DF _____ KB 3682
 API# _____ STATUS I
 FIELD Artesia

OIL PUR. _____ GAS _____

DRILL AND COMPLETE

ORIG. OP. Western Yates
 SPUD DATE 2-19-57 COMP. DATE 2-25-57
 TD 2654 PBD _____

TOPS: Q 1680, GB 2080, SA 2500

CASING

HOLE SIZE	CASING	WT. GRADE	DEPTH SET	SKS	TOC
9 3/4	7	17	605	75	
6 1/4	4 1/2	9.5	2609	200	

COMPLETION

PERFS Open Hole 2609-54 10,000gal 20,000#sand ZONE
 TREATMENT 28 holes 2492-99 10,000gal 20,000#sand, 32 holes 2455-63 26,000gal
40,000#sand, 28 holes 2236-43 11,500gal 20,000#sand
 BOPD 65 BWPD _____ MCFPD _____ BHP _____

PERFS B.P. set between intervals ZONE _____
 TREATMENT _____

BOPD _____ BWPD _____ MCFPD _____ BHP _____

REMEDIAL WORK AND WORKOVER

DATE 2-26-68 WORK Set bridge plug @ 2550- ran plastic coated tubing
with packer set at 2406. Started water injection.

RESULTS _____

DATE 2-8-71 WORK Back flow test - well was not taking water

RESULTS _____

WELL INVENTORY: 6-1-71

TUBING 2 3/8 71 jts 2164.93' J55 _____

RODS _____

PUMP _____

PACKER 4.5 Johnson 101 S 2164.93' SN _____

ANCHOR _____

PUMPING UNIT _____ ID# _____

MOTOR _____ ID# _____

WELLHEAD Hinderliter METER # Brooks/Taylor choke

REMARKS: _____

WELLBORE DIAGRAM

WELL NAME: Delhi Taylor State

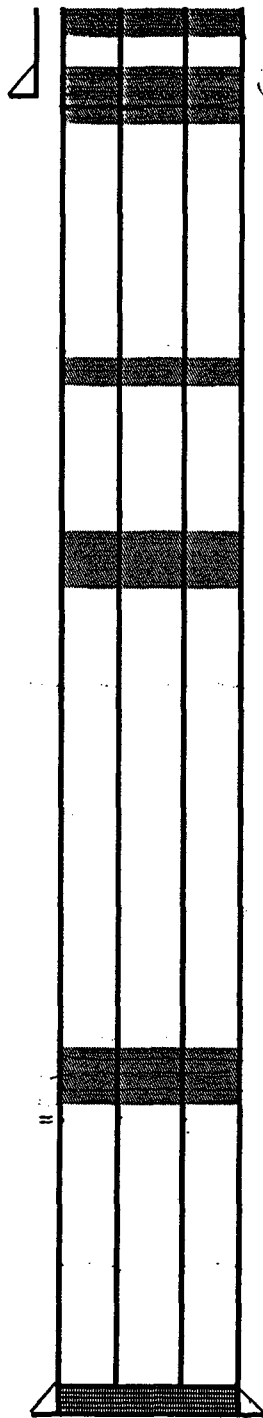
WELL NO: 1

LOCATION: 660' FSL 1980' FWL Unit: N Section: 35 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-07310

POOL: Wildcat

DATE P&A: 11/26/59



10 sx to surface

20 sx cmt plug from 800-850'

Surface Casing:

Depth: 824'

Hole Size: 12-1/4"

Size & Weight: 8-5/8" 24#

Cmt./Sx. 250 sx

16 sx cmt plug from 1558-1600'

31 sx cmt plug from 2250-2350'

31 sx cmt plug from 6730-6830'

Production String:

Depth: Dry & Abandoned

Hole Size:

Size & Weight:

Cmt./Sx.

TD: 7002'

Perfs: Dry

Form:

Date: 8/22/00 aer

Form C-103
(Revised 5-5-54) E D

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

DEC 7 1959

(Submit to appropriate District Office as per Commission Rule 1106)

O. C. C.

ARTERIA OFFICE

COMPANY Chambers & Kennedy, 607 Midland National Bank Building, Midland, Texas

(Address)

LEASE Delhi-Taylor-State WELL NO. 1 UNIT N S 33 T 17-S R 28-E

DATE WORK PERFORMED 11-26-59 POOL Wildcat
Eddy County

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☒ Plugging

☐ Other

Detailed account of work done, nature and quantity of materials used and results obtained:

Heat cement plugs were set at the following depths with stated amounts:

Surface - 10 sacks
800' - 850' - 20 sacks
1558' - 1600' - 16 sacks
2250' - 2350' - 31 sacks
6730' - 6830' - 31 sacks

The intervals between cement plugs were filled with drilling mud.

Surface casing, 824' of 8-5/8" 28# nav, was cemented with 250 sacks and left in the hole.

Witnessed by: Albert Pierce, Manager of Rotary Tools, Carper Drilling Company, Inc.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. TD PBD Prod. Int. Compl Date

Tbng. Dia Tbng Depth Oil String Dia Oil String Depth

Perf Interval (s)

Open Hole Interval Producing Formation (s)

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by

(Company)

P&A wells within 1/2 mile of : Melrose Operating Company, Artesia Unit, C-108 Injection Application of 8/25/00

WELLBORE DIAGRAM

WELL NAME: State "A"

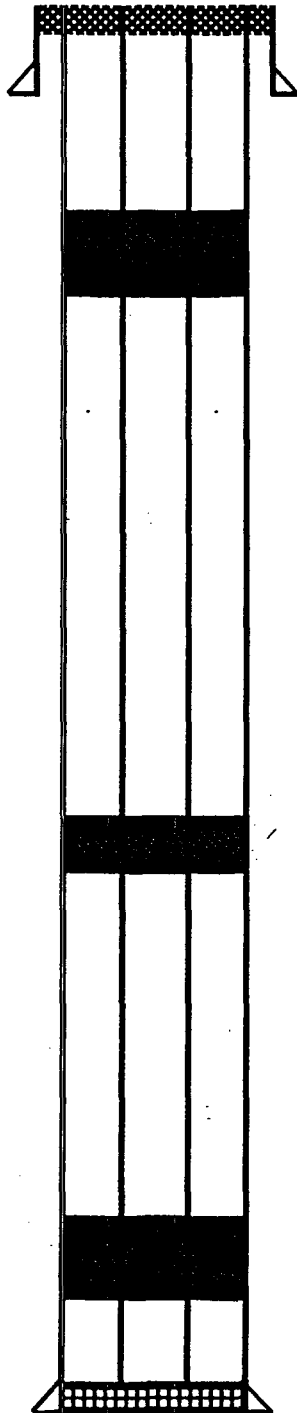
WELL NO: 41

LOCATION: 2310' FSL 2310' FEL Unit: J Section: 35 TWNS: T-17-S Range: R-28-E Eddy Co. NM

API NO. 30-015-01741

POOL: Empire Abo Undes.

DATE P&A: 9/26/61



25 sx plug from surface to marker

Surface Casing:

Depth: 769'

Hole Size: 11"

Size & Weight: 8-5/8" 23#

Cmt./Sx. 350 sx

25 sx plug from 500 - 425'

25 sx plug from 3000-2925'

50 sx plug from 6470-6320'

Perfs: Dry
Form: *****

Production String:

Depth: Dry

Hole Size:

Size & Weight:

Cmt./Sx.

TD: 6470'

Date: 8/22/00 aer

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

RECEIVED

(Submit to appropriate District Office as per Commission Rule 1106) SEP 29 1961

Name of Company Hondo-Eastern-Yates				Address Box 129, Artesia, New Mexico			
Lease State 'A'	Well No. 41	Unit Letter J	Section 35	Township 17-S	Range 28-E	OFFICE	
Date Work Performed 9-22-61	Pool Empire Abo Undesignated			County Eddy			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain):
☒ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

As per our C-102 dated 9-22-61 the following is our plugging detail:

With pump truck plugs were set at:

50 sk. plug from 6470 to 6320
 25 sk. plug from 3000 to 2925
 25 sk. plug from 500 to 425
 25 sk. plug from surface and marker.

Name changed from
 Hondo - Western - Yates to
 HONDO - INTERNATIONAL - YATES
 effective December 31, 1962

2310' S & E

Witnessed by A. J. Deane	Position Dist. Prod. Supt.	Company Hondo Oil & Gas Company
------------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

DF Elev.	TD	PBTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potent MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and correct to the best of my knowledge.

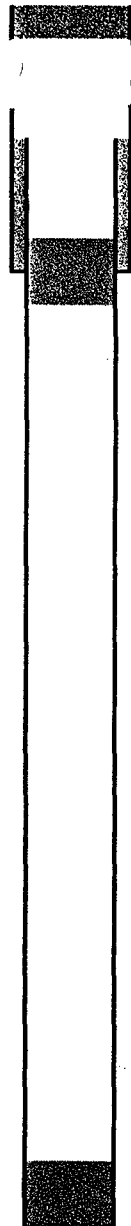
Approved by W. A. Gressett	Name A. J. Deane by [Signature]
Title OIL AND GAS INSPECTOR	Position Dist. Prod. Supt.
Date OCT 9 1961	Company Hondo Oil Gas Company

9-26-61

WELLBORE SCHEMATIC

Welch
Mry-State #4
990 FNL & 2310 FWL
Section 35-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,375 feet
API #30-015-01757
Date Drilled: 1/7/57
Date Plugged: 5/14/61

Casing: 8 5/8"
Hole Size:
Depth: 505
Cement:



Plug #3 Surface 10 sx

Plug #2 655' 15 sx

TD: 2375

Plug #1 2375' 25 sx

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OIL		
REGISTRATION OFFICE		
OPERATOR		3

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company W. C. WELCH		Address ARTESIA, NEW MEXICO				
Lease M. R. Y. STATE	Well No. 4	Unit Letter C	Section 35	Township 17S	Range 28E	
Date Work Performed 5/14/61	Pool ARTESIA			County EDDY		

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☐ Other (Explain):
- ☒ Plugging
 ☐ Remedial Work

30-015-01757

Detailed account of work done, nature and quantity of materials used, and results obtained.

WE RAN TUBING TO TOTAL DEPTH OF 2373 FEET. PUMPED IN 25 SACKS OF CEMENT. RAN NUB FROM TOP OF CEMENT TO 100 FEET BELOW THE 8-5/8" CASING AT 656 FEET. RAN 15 SACK CEMENT BRIDGE. PULLED 200 FEET OF THE 8-5/8" CASING. FILLED HOLE TO TOP WITH NUB AND SET MARKER WITH 10 SACKS OF CEMENT.

RECEIVED

DEC 18 1961

O. C. C.
ARTESIA, OFFICE

Witnessed by	Position	Company
--------------	----------	---------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P BTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

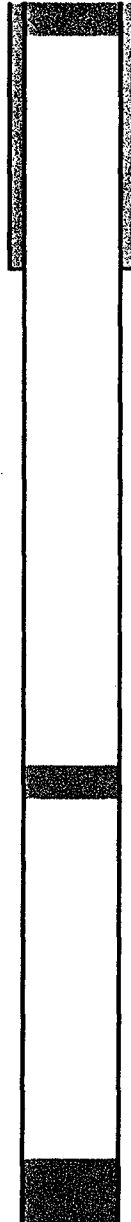
I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by <i>W. A. Prescott</i>	Name <i>W. C. Welch</i>
Title WIL. NEW GAS INSPECTOR	Position OWNER
Date DEC 19 1961	Company W. C. WELCH

WELLBORE SCHEMATIC

Depco
Artesia Unit #12
1650 FNL & 660 FWL
Section 35-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,304 feet
API #30-015-01730
Date Drilled: 8/17/61
Date Plugged: 8/17/61

Casing: 8"
Hole Size:
Depth: 475
Cement: 50 sx



Plug #3 Surface 5 sx

Plug #2 1500' 10 sx

TD: 2304

Plug #1 2304 25 sx

NUMBER OF COPIES DESIRED 3	
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FILE	
U.S.A.R.	
LAND OFFICE	
TRANSPORTER	
OIL	
PRODUCTION OFFICE	
OPERATION	

RECEIVED

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS
 (Submit to appropriate District Office as per Commission Rule 1706)

AUG 28 1961
 FORM C-103
 (Rev 3-55)
 D. C. C.
 ARTESIA OFFICE

Name of Company CASTLE AND WIGZELL		Address Box 868, Midland, Texas	
Lease Welch-State	Well No. 2	Unit Letter E	Section 35
		Township 17S	Range 20E
Date Work Performed 8-16-61	Pool Artesia	County Eddy	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☐ Other (Explain):
☒ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

Set 25 sack plug on bottom - T. D. 2304'.

Filled with mud to 1500'.

Set 10 sack plug at 1500'.

Filled with mud to surface.

Set 5 sack plug at surface.

Witnessed by J. B. Castle	Position	Company
-------------------------------------	----------	---------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by <i>M. L. Armstrong</i>	Name <i>M. L. Armstrong</i>
Special Agent in Charge	Position Prod. Supt.
DEC 15 1961	Company Castle and Wigzell

WELLBORE SCHEMATIC

Welch
State #1
2310 FNL & 250 FWL
Section 35-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,710 feet
API #30-015-01729
Date Drilled: 9/9/26
Date Plugged: 8/14/34

Casing: 10"
Hole Size:
Depth: 295'
Cement:

Plug #3 Surface na

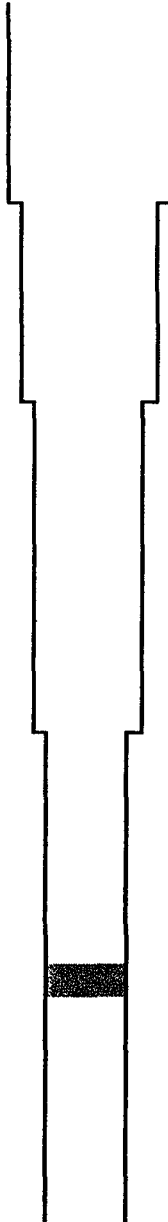
Casing: 8 1/4"
Hole Size:
Depth: 592'
Cement:

Plugging report indicates
that all casing was pulled.

Casing: 6 5/8"
Hole Size:
Depth: 1100'
Cement:

Plug #1 1900' 5 sx

TD: 2710



Form C-102

N. M. XICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		Notice of intention to abandon well	
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the _____

Artesia, New Mexico Aug. 10, 34
Place Date
102 pgs 30-015-01729
Welch Bros. Well No. 1 in 13 N¹
Company or Operator Lease
of Sec. 35 T. 17 R. 28 N. M. P. M., Artesia Field.
300 y County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

We plan to commence work on August 15, 1934. The reason for wishing to abandon the well is non-productive.

The present condition of the well is as follows: 295' of 10" casing. 592' of 8 1/4" casing; 1100' of 6 5/8" casing.

The work which we propose to do in abandoning the well is as follows: Fill hole with mud to 1900'. Cement with five sacks of cement. Fill with mud to 1100'. Pull 6 5/8" casing. Fill with mud to bottom of 8 1/4" casing. Pull 8 1/4" casing. Fill with mud to bottom of 10" casing. Pull 10" casing and fill with mud to surface and erect regulation marker.

Approved August 14, 19 34
except as follows:

Welch Brothers
Company or Operator

By V. P. Welch

Position Partner

Send communications regarding well to

OIL CONSERVATION COMMISSION,

Name Welch Brothers

By J. D. Hunter

Address Artesia, New Mexico

Title Oil & Gas Inspector

Form 80104

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO
DEPARTMENT OF THE STATE GEOLOGIST
SANTA FE

NOTICE OF INTENTION TO ABANDON WELL

Notice must be given at least five days before work is to begin to the State Geologist or to the proper Oil and Gas Inspector. It is desirable that a representative of the Department of the State Geologist witness the plugging of wells being abandoned whenever possible. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in duplicate.

Artesia, N. Mex., Aug. 10, 1934

Mr. E. H. Wells

Santa Fe, New Mexico.

Dear Sir:

You are hereby notified that it is our intention to abandon Well No. 1 in W¹ of NW of Sec. 25 Twp. 17 Rge. 28 N. M. P. M., Artesia Oil Field, Eddy County. We plan to commence work on August 15th, 19 34.

The reasons for wishing to abandon the well are as follows:

Non-productive.

30-015-01729

The present condition of the well is as follows:

295 feet of 10" casing.
592 feet of 8-1/4" casing.
1100 feet of 6-5/8" casing

DUPLICATE

The work which we propose to do in abandoning the well is as follows:

Fill hole with mud to 1900 feet. Cement with five sacks of cement. Fill with mud to 1100 feet. Pull 6-5/8" casing. Fill with mud to bottom of 8-1/4" casing. Pull 8-1/4" casing. Fill with mud to bottom of 10" casing. Pull 10" casing and fill with mud to surface and erect regulation marker.

Sincerely yours,

Approved AUG 14 1934 19

Except as follows:

WELCH BROTHERS

Company or Operator.

By V. P. Welch

Position Partner

Send communications regarding this well to

Name Welch Brothers
Artesia, New Mexico

Address

State Geologist or Oil and Gas Inspector.

WELLBORE SCHEMATIC

Hughes

State A #43

330 FNL & 1650 FWL

Section 36-17s-28e

Eddy County, New Mexico

Ground Elevation:

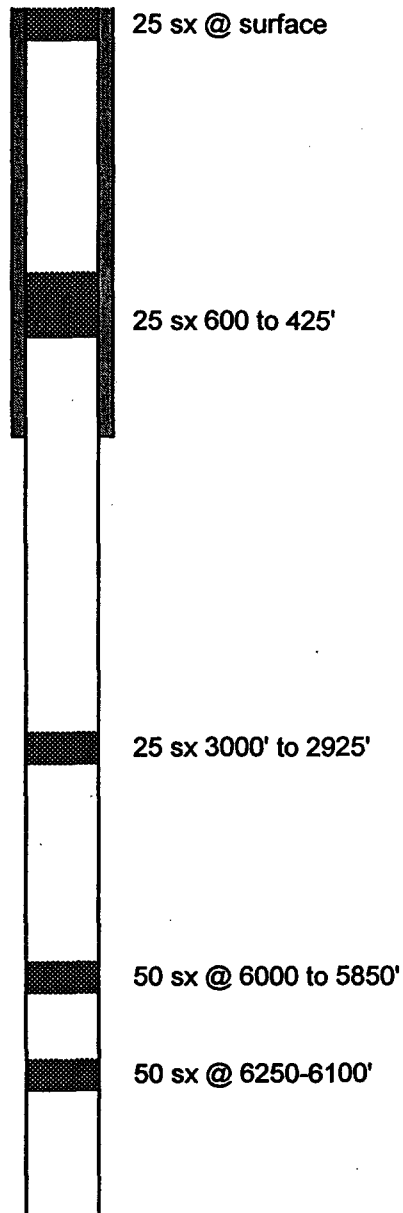
Total Depth: 6,496 feet

API #30-015-02153

Date Drilled: 10/22/61

Date Plugged:

Casing: 8 5/8"
Hole Size:
Depth: 760
Cement: 450



TD: 6496'

02153

#21 30-015-02153

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

RECEIVED
FORM C-103
(Rev 3-55)
NOV 17O. C. C.
ARTESIA, OFFICE

Name of Company Hondo-Western-Yates			Address Box 129, Artesia, New Mexico			
Lease State 'A'	Well No. 43	Unit Letter Q	Section 36	Township 17-S	Range 28-E	
Date Work Performed 10-22-61	Pool Empire Aho	County Eddy				

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☐ Other (Explain):
- ☒ Plugging
 ☐ Remedial Work

RECEIVED

NOV 17 1961

Detailed account of work done, nature and quantity of materials used, and results obtained.

O. C. C.
ARTESIA, OFFICE

As per our C-102 the following is our plugging detail:

With pump truck plugs were set at:
 Attempted to set 50 sk. plug at TD 6496 three
 times and well took plugs on vacuum.
 Set 50 sk. plug from 6250 to 6100
 Set 50 sk. plug from 6000 to 5850
 Set 25 sk. plug from 3000' to 2925
 Set 25 sk. plug from 100 to 425
 Set 25 sk. plug #444/ surface and marker.

Witnessed by A. J. Doans	Position Dist. Prod. Supt.	Company Hondo Oil & Gas Company
------------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	TD	PBTD	Producing Interval	Completion Date
Tubing Diameter		Casing Depth <i>Name changed from</i> Hondo - Western - Yates to	Oil String Diameter	Oil String Depth
Perforated Interval(s) HONDO - INTERNATIONAL - YATES		Producing Formation(s)		
Open Hole Interval effective December 31, 1962		Producing Formation(s)		

RESULTS OF WORKOVER

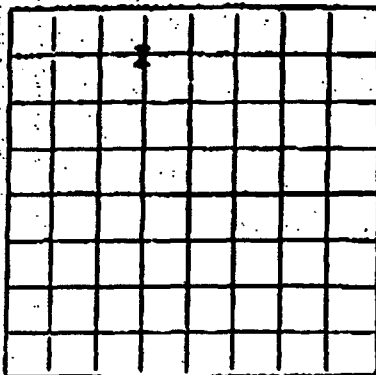
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

11-8-61

Approved by W. A. Gressett	Name A. J. Doans by [Signature]
Title OIL AND GAS INSPECTOR	Position Dist. Prod. Supt.
Date APR 19 1962	Company Hondo Oil & Gas Company

Revised 7/1/80
(Form C-188)AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

NOV 13 1961

C. C. OFFICE

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

Honda-Western-Yates

(Company or Operator)

State '48

(Lease)

Well No. 43, in NE 1/4 of SW 1/4, of Sec 36, T 17-S, R 28-E, NMPM.

Baptist Abn

Pool,

Eddy

County.

Well is 330 feet from North line and 1650 feet from West line

of Section 36. If State Land the Oil and Gas Lease No. is 647

Drilling Commenced 10-29-61 19.61 Drilling was Completed 10-23-1961

Name of Drilling Contractor Yates Drilling Company

Address Artesia, New Mexico

Elevation above sea level at Top of Tubing Head 3686

The information given is to be kept confidential until

19.....

OIL SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet

No. 2, from _____ to _____ feet

No. 3, from _____ to _____ feet

No. 4, from _____ to _____ feet

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF GRACE	OUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	24	Used	768	Float			Surface

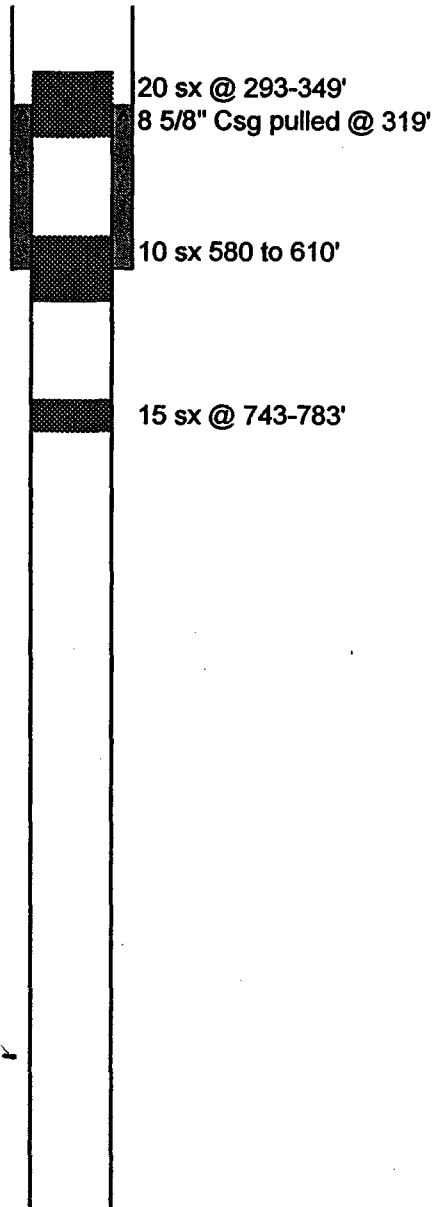
MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8-5/8	768'	450	Pump - Plug		

WELLBORE SCHEMATIC

Donnelly Drilling
Sinclair State B #3
660 FSL & 1980 FEL
Section 36-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,857 feet
API #30-015-01765
Date Drilled: 10/18/56
Date Plugged: 10/56

Casing: 8 5/8"
Hole Size:
Depth: 560'
Cement: 25 sx



TD: 2857

AREA 910 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

Oil Cons. Comm.
ARTESIA OFFICE

30-015-01765

#22

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

DONNELLY DRILLING COMPANY, INC.

Sinclair B

(Company or Operator)

(Lessee)

Well No. 3 in SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Sec 36, T. 17S, R. 28E, NMPM.
(Artesia) Pool, Edgy County.Well is 660 feet from South line and 1980 feet from West line
of Section 36. If State Land the Oil and Gas Lease No. is E-949Drilling Commenced September 12, 1956 Drilling was Completed October 16, 1956Name of Drilling Contractor Donnelly Drilling Company, Inc.Address P.O. Box 433, Artesia, New MexicoElevation above sea level at Top of Tubing Head 19 The information given is to be kept confidential until

OIL SANDS OR ZONES

No. 1, from 409 to 420 feet.

No. 2, from 409 to 420 feet.

No. 3, from 409 to 420 feet.

No. 4, from 409 to 420 feet.

No. 5, from 409 to 420 feet.

No. 6, from 409 to 420 feet.

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 409 - 420 to 420 feet.

No. 2, from 409 to 420 feet.

No. 3, from 409 to 420 feet.

No. 4, from 409 to 420 feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8"	24#	New	555'	Tex. Patt	319'	None	Shut off water

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	OF MUD GRAVEL	AMOUNT OF MUD USED
10	8 5/8"	559'	25	Cementar		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qu. or Gal. used, interval treated or shot.)

30-015-01765

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Form O-163

(Revised 3-55)

AUG 6 1957

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 106)

ARTESIA OFFICE

COMPANY DONNELLY DRILLING COMPANY, INC.
(Address)LEASE Sinclair State B WELL NO. 3 UNIT 0 S 36 T 17S R 28EDATE WORK PERFORMED October 17, 1956 POOL ArtesiaThis is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off☐ Beginning Drilling Operations☐ Remedial Work☒ Plugging☐ Other _____

Detailed account of work done, nature and quantity of materials used and results obtained.

8 5/8" OD casing knocked off at 319'. 15 sacks cement set at 743-783' - base salt 765'; 10 sacks cement set at 580-610'; top of salt 595'. 20 sacks cement set at 293' to 349', top of pipe left in hole 319'. Cemented dry hole marker at top of hole, cleaned up location. Pit mud was placed between all plugs.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____

Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____

Perf Interval (s) _____

Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test _____

Oil Production, bbls. per day _____

Gas Production, Mcf per day _____

Water Production, bbls. per day _____

Gas-Oil Ratio, cu. ft. per bbl. _____

Gas Well Potential, Mcf per day _____

Witnessed by _____

(Company)

OIL CONSERVATION COMMISSION

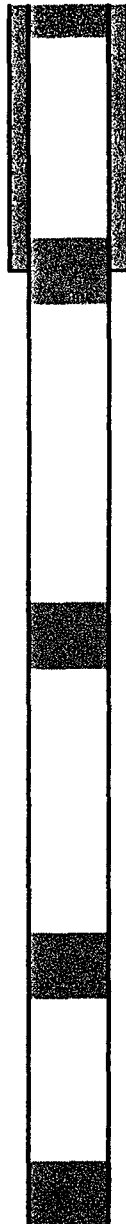
I hereby certify that the information given above is true and complete to the best of my knowledge.

Name W.A. GressettName W.A. GressettTitle OIL AND GAS INSPECTORPosition residentDate AUG 6 1957Company Donnelly Drilling Co., Inc.

WELLBORE SCHEMATIC

Johnston
Five #4
1650 FNL & 660 FEL
Section 36-17s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,749 feet
API #30-015-10544
Date Drilled: 6/16/65
Date Plugged: 6/29/65

Casing: 8 5/8"
Hole Size:
Depth: 439'
Cement: 50 sx



Plug #5	Surface	na
Plug #4	400-460	20 sx
Plug #3	790-730	20 sx
Plug #2	1605-1680	25 sx
Plug #1	2678-2753	25 sx

TD: 2749'

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

30-015-10544

SUNDRY NOTICES AND REPORTS ON WELLS <small>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)</small>		5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
		5. State Oil & Gas Lease No. 647
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Hugh L. Johnston, Sr. ✓		8. Form or Lease Name Tract Five J
3. Address of Operator 891 Petroleum Bldg., Roswell, New Mexico		9. Well No. 4
4. Location of Well UNIT LETTER <u>H</u> <u>1650</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>36</u> TOWNSHIP <u>17S</u> RANGE <u>28E</u> N.M.P.M.		10. Field and Pool, or Wildcat Artesia (G. Smith)
15. Elevation (Show whether DF, RT, GR, etc.)		12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
 NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐
 OTHER ☐

PLUG AND ABANDON ☐
 CHANGE PLANS ☐
 OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
 COMMENCE DRILLING OPNS. ☐
 CASING TEST AND CEMENT JOBS ☐
 OTHER ☐
 ALTERING CASING ☐
 PLUG AND ABANDONMENT ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

Set 2 1/2" sk # from 2678 to 2753
 2 1/2" sk # " 1605 to 1600
 2 1/2" sk # " 790 to 730
 2 1/2" sk # " 460 to 460

Set plug at surface and regulation dry hole marker.

RECEIVED

JUN 29 1965

O. C. C.
 ARTERIA, OFFICE

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Hugh L. Johnston, Sr. TITLE Owner DATE June 29, 1965

APPROVED BY W.A. Gressett TITLE Asst. Sec. for Enforcement DATE JUN 29 1965

CONDITIONS OF APPROVAL, IF ANY:

WELLBORE DIAGRAM

WELL NAME: Artesia Unit

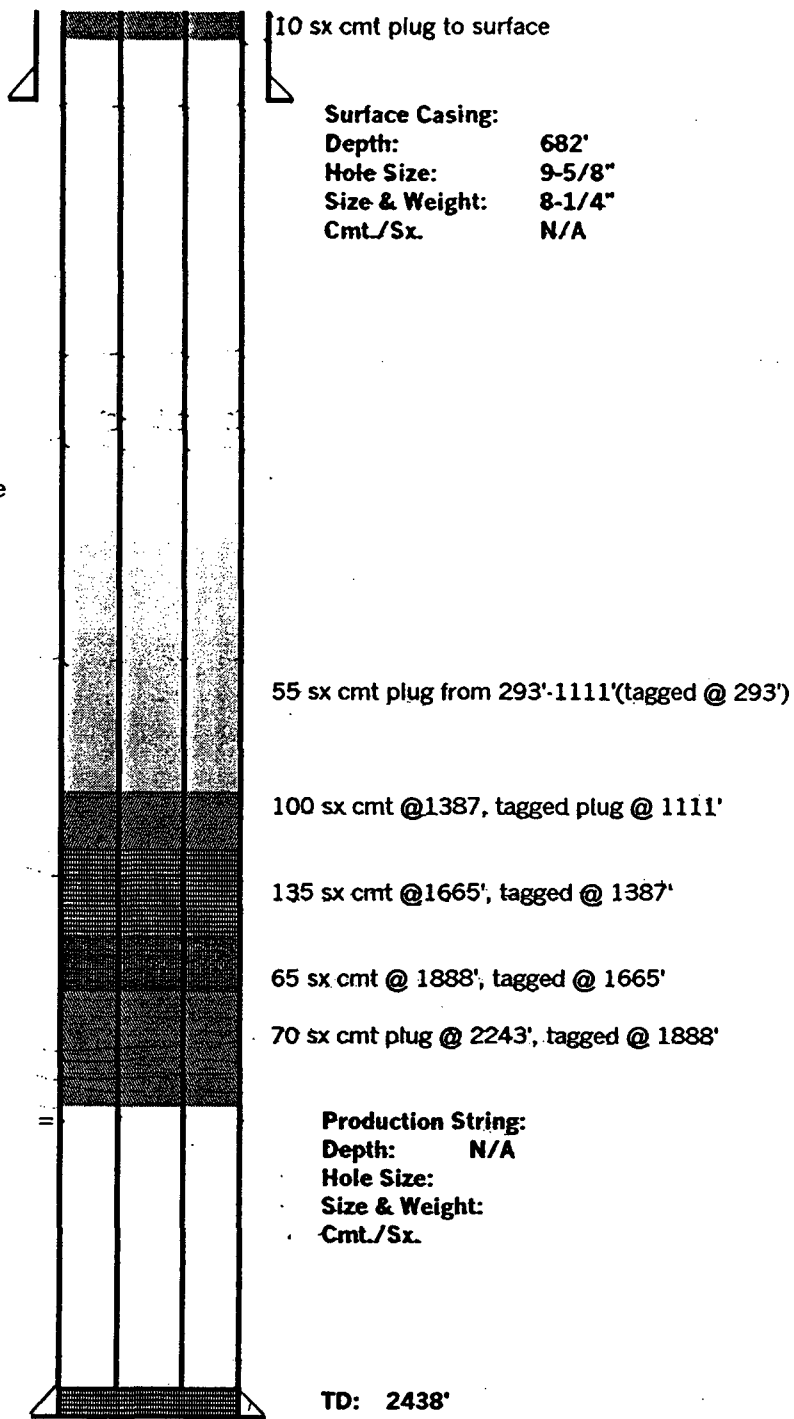
WELL NO: 57

LOCATION: 1570' FSL 1070' FWL Unit: L Section: 3 TWNS: T-18-S Range: R-28-E Eddy Co. NM

API NO. 30-015-01795

POOL: Artesia

DATE P&A: 5/8/87



No scale on wellbore

Date: 8/22/00 aer

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease

State ☒Fee ☐

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT TO DRILL FORM C-101 FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	RECEIVED BY JUN - 2 1987 C. C. D. ARTESIA, CHIEF	7. Unit Agreement Name
2. Name of Operator DEPCO, Inc.		8. Farm or Lease Name Artesia Unit
3. Address of Operator 800 Central, Odessa, Texas 79761		9. Well No. 57
4. Location of Well UNIT LETTER <u>L</u> <u>1570</u> FEET FROM THE <u>South</u> LINE AND <u>1070</u> FEET FROM THE <u>West</u> LINE, SECTION <u>3</u> TOWNSHIP <u>18</u> RANGE <u>28</u> N.M.P.M.		10. Field and Pool, or Wellcat Artesia (O, GBR, SA)
11. Elevation (Show whether DF, RT, GR, etc.) 3600 DF		12. County Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5-6-87: Ran tbg to 2243'. Spotted 70 sx Class "C" cmt w/2% CaCl, 6# gel, 1/4# Flocele. SI 2 hrs & tag plug @ 1888'. Pmpd 65 sx Class "C" cmt w/2% CaCl @ 1888'.

5-7-87: Tagged plug @ 1665'. Pmpd 135 sx Class "C" cmt w/2% CaCl @ 1665'. SI 5 hrs & tag plug @ 1387'. Pmpd 5 bbls Flo-Chek followed w/100 sx Class "C" cmt w/4% CaCl.

5-8-87: Tagged plug @ 1,111'. Set 55 sx plug from 1,111' to 293'. SI 2 hrs & tag plug @ 293'. Set 10 sx plug @ sfs w/dry hole marker. Mud laden fluid between sfs plug & 293' & from 2293' to TD.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

R. L. Denney

TITLE Chief Production Clerk

DATE 6-2-87

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

WELLBORE DIAGRAM

WELL NAME: Artesia Unit

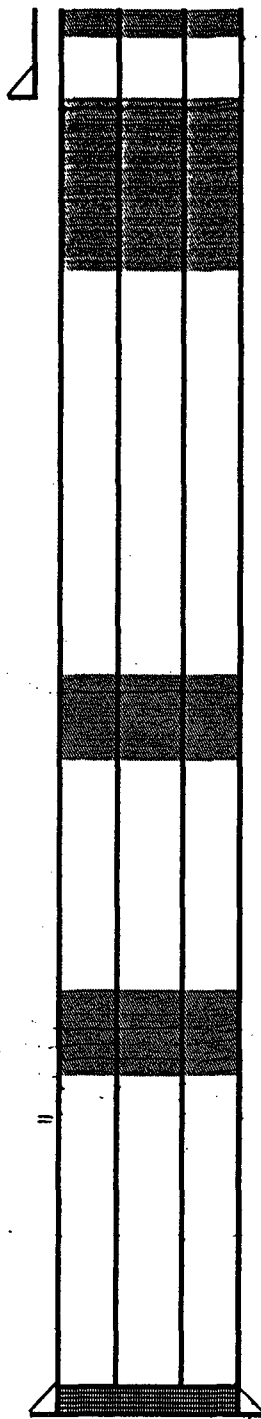
WELL NO: 61

LOCATION: 660' FSL 2310' FEL Unit: O Section: 3 TWNS: T-18-S Range: R-28-E Eddy Co. NM

API NO. 30-015-02550

POOL: Artesia

DATE P&A: 6/26/00



10 sx cmt @ 30'-surface

Surface Casing:

Depth: N/A

Hole Size:

Size & Weight:

Cmt./Sx.

Perfed @ 595', squeezed w/100 sx cmt

Tagged cmt @ 1380'

Perf @ 1682', squeezed w/50 sx to 1400'.

CIBP @ 2300' w/25 sx on top

Perfs: 2434'-2452'

Form: N/A

Production String:

Depth: 2517'

Hole Size: 7-7/8"

Size & Weight: 5"

Cmt./Sx. 100 sx

TD: 2517'

Date: 8/22/00 aer

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

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

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-015-02550
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.
Lease Name or Unit Agreement Name Artesia Unit
Well No. 61
Pool name or Wildcat Artesia QN-GB-SA

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WIW	
Name of Operator Melrose Operating Co.	
Address of Operator PO Box 5061, Midland, TX 79704	
Well Location Unit Letter <u>O</u> : <u>660</u> Feet From The <u>South</u> Line and <u>2310</u> Feet From The <u>East</u> Line Section <u>3</u> Township <u>18S</u> Range <u>28E</u> NMPM <u>Eddy</u> County	
Elevation (Show whether DF, RKB, RT, GR, etc.)	

11

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
WELL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6/23/00 -

Notify OCD. Move equip to loc. MI & RU. ND wellhead. NU BOP. Unset pkr. POH. RIH & set CIBP @ 2300'. RIH w/tbg. Load hole w/10# mud. Spot 25 sx @ 2300'. POH & perf @ 1682'. RIH w/pkr & sqz 50 sx displace to 1400'. WOC. POH w/pkr. Close well in.

6/26/00 -

RIH & tag @ 1380'. POH. RIH & perf @ 595'. RIH w/pkr to 315'. Sqz 100 sx. SI @ 250#. WOC for 4 hrs per OCD. POH & spot 10 sx @ 30' to surf. RD. Cut off wellhead. Level pit & cellar.

Install dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bonnie Atwater TITLE Regulatory Tech. DATE 07-20-00

TYPE OR PRINT NAME Bonnie Atwater

TELEPHONE NO. 915/685-1761

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

WELLBORE SCHEMATIC

Melrose

Artesia Unit #66

1550 FNL & 1950 FWL

Section 3-18s-28e

Eddy County, New Mexico

Ground Elevation:

Total Depth: 2,435 feet

API #30-015-20322

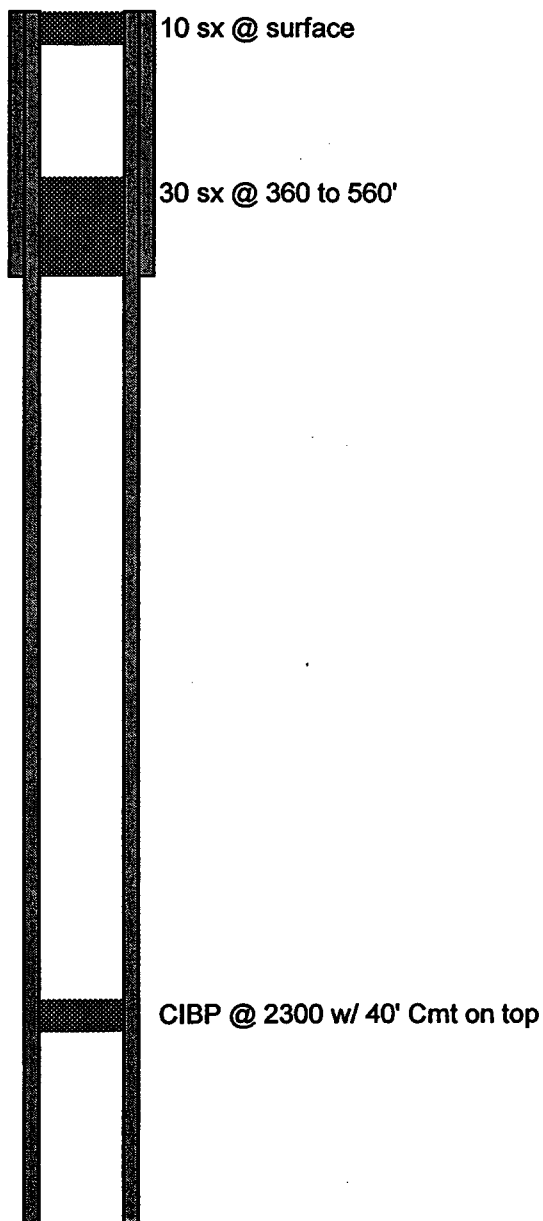
Date Drilled: 8/31/70

Status: WIW

Casing: 8 5/8"
Hole Size:
Depth: 561'
Cement: 300 sx

Casing: 5 1/2"
Hole Size:
Depth: 2435
Cement: 600 sx

TD: 2435



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NEW MEXICO OIL CONSERVATION COMMISSION

MAY 5 1975

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

#26

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
30-015-20322
7. Unit Agreement Name
8. Farm or Lease Name
Artesia Unit
9. Well No.
66
10. Field and Pool, or Wildcat
Artesia
12. County
Eddy

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG, OR TO ABANDON A WELL OR TO INJECT INTO A RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐ GAS WELL ☐ OTHER ☒ Injection

Name of Operator
DEPCO, Inc.

Address of Operator
800 Central, Odessa, Texas 79761

Location of Well
UNIT LETTER F 1550 FEET FROM THE North LINE AND 1950 FEET FROM THE West LINE, SECTION 3 TOWNSHIP 18S RANGE 28E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3662 Gr.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPND. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

4-18-75 Set cast iron bridge plug at 2300 w/40' cement plug on top. Set 30 sx. cement plug 560-360, 10 sx. at surface. Pumped 15 sx. through bradenhead with cement coming to surface. Set dry hole marker in 5 1/2" casing.

Ported P+u
ID-2 5-9-75
Ported P+u
ID-4 5-30-75

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed D. R. Mason TITLE Chief Clerk DATE 4-30-75

Signed Leah Bergeron TITLE OIL AND GAS INSPECTOR DATE MAY 14 1975

20322

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NEW MEXICO OIL CONSERVATION COMMISSION

AUG 28 1970

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old
C-103 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Injection	7. Unit Agreement Name Artesia Unit
2. Name of Operator BPPO, Inc.	8. Form or Lease Name
3. Address of Operator 800 Central, Odessa, Texas 79760	9. Well No. 66
4. Location of Well UNIT LETTER F 1550 FEET FROM THE North LINE AND 1950 FEET FROM THE West LINE, SECTION 3 TOWNSHIP 18S RANGE 28E NMPM.	10. Field and Pool, or Wildcat Artesia
15. Elevation (Show whether DP, RT, GR, etc.) 3662 GR.	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING: DPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1108.

- 8-15-70 Drill 7 3/4" hole to 2360'. Core #1 from 2360-2410'.
 8-16-70 Drill 7 3/4" hole to 2435' (TD).
 8-17-70 Ran Gamma Ray-Caliper-Density Log and cut 5 tricores at 1833-36', 2116-19', 2235-38', 2295-98', and 2345-48'.
 8-18-70 Ran 2435' of 5 1/2" 15.5#/ft. J-55 casing and cemented with 400 sacks Howco Lite water followed with 200 sx. Incor with 3% salt per sack. Cement circulated. During WOC time down hole flow pushed approximately 50 sx. cement out the hole at the surface.
 8-24-70 Perf 2 holes at 2344'. Set retainer at 2225' and pump into perfs at 1 1/4 BPH at 1200 psig. Cement with 10 sx. Incor cement with 3% salt and 3% CaCl. WOC.
 8-26-70 Perf 2 holes at 2220' and could not pump into perfs at 2000 psig. Perf 2 holes at 1805' and could not pump into at 2000 psig.
 8-27-70 Drill retainer and cement. Clean out to TD. Prep. to perforate Premier.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

APPROVED BY D. R. Mason TITLE Chief Production Clerk DATE 8-27-70
W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE AUG 28 1970

20322

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NEW MEXICO OIL CONSERVATION COMMISSION

AUG 20 1970

O. C. C.

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT - " (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <u>Injection</u>	7. Unit Agreement Name <u>Artasia Unit</u>
2. Name of Operator <u>DEPCO, Inc.</u>	8. Form or Lease Name
3. Address of Operator <u>800 Central, Odessa, Texas 79760</u>	9. Well No. <u>66</u>
4. Location of Well UNIT LETTER <u>F</u> , <u>1550</u> FEET FROM THE <u>North</u> LINE AND <u>1950</u> FEET FROM THE <u>West</u> LINE, SECTION <u>3</u> TOWNSHIP <u>18S</u> RANGE <u>28E</u> NMPM.	10. Field and Pool, or Wildcat <u>Artasia</u>
15. Elevation (Show whether DF, RT, CR, etc.) <u>3662 Gr.</u>	12. County <u>Eddy</u>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 17DS.

Spudded 7:00 P.M. 8-11-70. Drilled 11" hole to 561'. Set 8 5/8" 24# 8rd. casing at 561'. Cemented with 300 sx. class "H" with 3# salt per sack & 3% CaCl. Plug down 8:10 A.M. 8-12-70. Cement circulated. WOC 18 hours, tested casing at 1000# for 30 minutes. No. Leaks.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>D. R. Mason</u>	TITLE <u>Chief Clerk</u>	DATE <u>8-18-70</u>
APPROVED BY <u>W. A. Gressett</u>	TITLE <u>OIL AND GAS INSPECTOR</u>	DATE <u>AUG 20 1970</u>
CONDITIONS OF APPROVAL, IF ANY:		

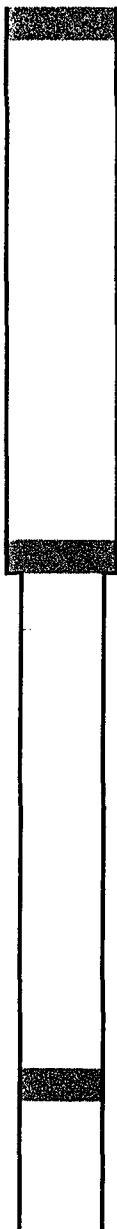
WELLBORE SCHEMATIC

Flynn Welch
State 647 # 42
2390 FSL & 1070 FWL
Section 3-18s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,432 feet
API #30-015-01794
Date Drilled: 5/13/26
Date Plugged: 7/25/52

Casing:
Hole Size:
Depth:
Cement:

Casing: 8 1/4"
Hole Size:
Depth: 723'
Cement:

TD: 2432



Plug #3 Surface 10 sx

Plugging Report claims that
the hole contained no surface casing.

Pulled all of 8 5/8" Casing
Casing size on plugging report conflicts
with originally reported size.

Plug #2 700' 10 sx

Plug #1 2300' 10 sx

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	X	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

July 26, 1952

(Date)

Artesia, N.M.

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Malco-Resler-Yates

(Company or Operator)

State

(Lease)

Company Tools

(Contractor)

Well No. 42 in the NW 1/4 SW 1/4 of Sec. 3

T. 18S, R. 28E, NMPM, Artesia Pool, Eddy County.

The Dates of this work were as follows: July 23, 24, & 25, 1952

Notice of intention to do the work (was) ~~known~~ submitted on Form C-102 on June 25, 1952, 19

(Cross out incorrect words)

and approval of the proposed plan (was) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Ran tubing to 2300: Pumped in 10 sacks cement. Raised tubing and pumped in fluid containing 40 sacks mud. Pulled 717' of 8 5/8" (all of it). Set 10 sacks cement plug at 700'. There was no 10 3/4 in hole. Filled hole with mud laden fluid and set marker at top in 10 sacks cement plug. ABANDONED.

AUG 7 1952

Witnessed by _____

(Name)

(Company)

(Title)

Approved:

OIL CONSERVATION COMMISSION



(Name)

OIL AND GAS INSPECTOR

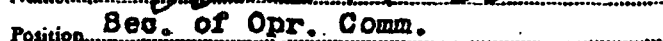
(Title)

AUG 7 1952

(Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name



Position

Sec. of Opr. Comm.

Representing Malco-Resler-Yates

Carper Bldg. Artesia, N.M.

Address

WELLBORE SCHEMATIC
Flynn Welch
State 647 # 41
1570 FSL & 250 FWL
Section 3-18s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,428 feet
API #30-015-01793
Date Drilled: 5/7/26
Date Plugged: 3/49 & 1/26/82

Casing: 10"
Hole Size:
Depth: 374'
Cement:

Plug #3 Surface 8 sx

Pulled 244' of 10 3/4" casing

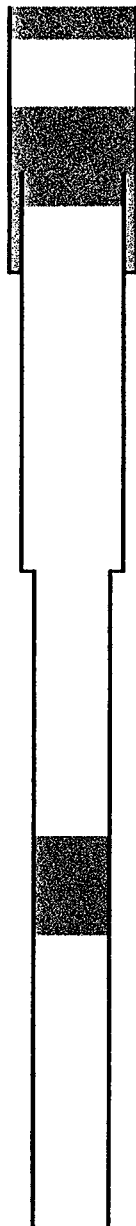
Re-entry to 325' in 1981

Plug #2 325' 200 sx

Casing: 8 1/4"
Hole Size:
Depth: 715'
Cement:

Plug #1 1800' 115 sx

TD: 2428



ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

JAN 27 1982

Form C-103
Revised 10.

30-015-01793

O. C. D.
ARTESIA, OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Plug and Abandon		3a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
2. Name of Operator DEPCO, Inc. Western Yates		3. State Oil & Gas Lease No. 647
3. Address of Operator 800 Central, Odessa, Texas 79761		7. Unit Agreement Name
4. Location of Well UNIT LETTER L NA FEET FROM THE NA LINE AND NA FEET FROM West e. NA LINE, SECTION 3 TOWNSHIP 18 RANGE 28 N.M.P.M.		8. Farm or Lease Name State #4
15. Elevation (Show whether DF, RT, CR, etc.) NA		9. Well No. 41
		10. Field and Pool, or Whichever Artesia (O G, SA)
		12. County Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM OPERATIONAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPERATIONS ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

This well was originally plugged in March, 1949, by setting a 15 sx. cement plug at 1800'. Then pumping 100 sx. mud on top of cement. Pulled 717' of 8 5/8" and 244' of 10 3/4" casing. This work was performed by Mako-Resler-Yates.

In June 1981, DEPCO ran 37' of 12 3/4" 34# casing and cemented with 4 yards ready mix then a 7 7/8" bit was run on 2 7/8" tubing, a bridge was hit at 37', after drilling through this bridge circulation was lost. Another bridge was hit at 80'; finely drilled to 244'. Tried to get inside casing with 6 1/4" bit but could not run 4 1/2" bit, appeared to be on outside of casing. Ran a 6 1/4" tapered mill, made about 20' of hole. Pulled mill and run bit. Drilled to 325' but started torquing up. Still did not have circulation. At this point Mr. Bill Gresset gave verbal approval to plug well at a depth of 325'. Ran 2 3/8" tubing to 325' and pumped 200 sx. Class "C" cement with 4% Ca Cl. Pulled tubing and shut down for 3 hours. Ran tubing to check cement. Cement came up to 150' pulled tubing and dumped 8 yards ready mix filling hole to surface. Dry hole marker set at surface.

I, I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Leon StandardTITLE Field EngineerDATE 1-26-82APPROVED BY Mike WilliamsTITLE OIL AND GAS INSPECTORDATE FEB 4 1982

CONDITIONS OF APPROVAL, IF ANY:

P&A wells within 1/2 mile of : Melrose Operating Company, Artesia Unit, C-108 Injection Application of 8/25/00

WELLBORE DIAGRAM

WELL NAME: Humble Stout State

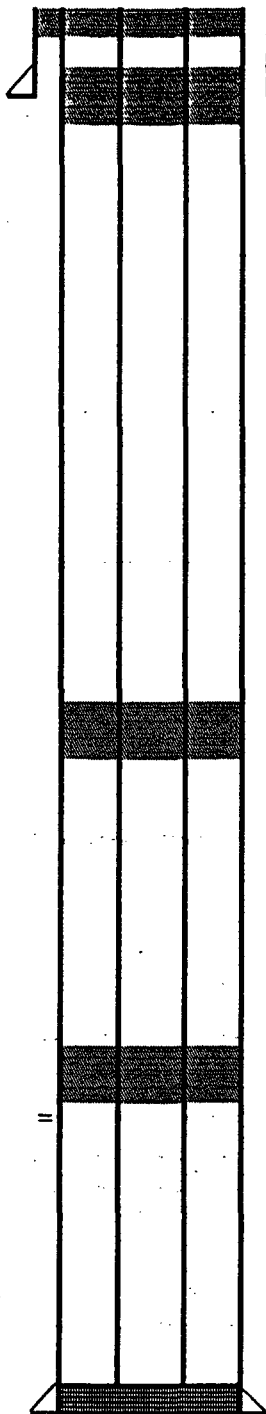
WELL NO: 1

LOCATION: 2310' FSL 330' FEL Unit: 1 Section: 4 TWNS: T-18-S Range: R-28-E Eddy Co. NM

API NO. 30-015-02590

POOL: Artesia

DATE P&A: 6/24/71



10 sx cmt plug @ top & set mkr.

25 sx cmt plug @ 505'

Surface Casing:

Depth: 505'

Hole Size: 12-1/4"

Size & Weight: 8-5/8" 24#

Cmt./Sx. 50 sx

25 sx cement plug @ 1510'

25 sx cement plug

Perfs: 2505'-2526'

Form: ****

Anticipated Perfs:

Production String:

N/A

Depth:

Hole Size:

Size & Weight:

Cmt./Sx.

TD: 2526'

Date: 8/22/00 aer

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NEW MEXICO OIL CONSERVATION COMMISSION
AUG 3 1971O. C. C.
ARTESIA, OFFICEForm C-103
Supersedes Old
C-102 and C-103
Effective 1-1-655a. Indicate Type of Lease
State ☒ F

5. State Oil & Gas Lease No.

#B11539

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name -----
2. Name of Operator AMERICAN PETROFINA COMPANY OF TEXAS	8. Form of Lease Name Humble Stout State
3. Address of Operator Box 1311, Big Spring, Texas 79720	9. Well No. 1
4. Location of Well UNIT LETTER I 330 FEET FROM THE East LINE AND 2310 FEET FROM THE South LINE, SECTION 4 TOWNSHIP 18S RANGE 28E NMPM.	10. Field and Pool, or Widespread Artesia
15. Elevation (Show whether DF, RT, GR, etc.) -----	12. County Eddy

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐
 CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
 COMMENCE DRILLING OPNS. ☐
 CASING TEST AND CEMENT JOBS ☐
 OTHER ☐

ALTERING CASING ☐
 PLUG AND ABANDON ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any work) SEE RULE 1103.

6-23-71 Set 2" tubing at TD and spotted 25 sk. cement plug on bottom using mud laden fluid as displacing medium. Pulled tubing up to 1510'.

6-24-71 Spotted 25 sk. cement plug at 1510'. Pulled tubing up to 505' and spotted 25 sk. cement plug. Pulled tubing. Placed 10 sk. cement plug in top of 8 5/8" casing and set 4 1/2" pipe marker.

(pow)

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R.C. Bott R.C. BottTITLE Assistant Dist. Mgr of Production 7/30/71APPROVED BY C.H. BrownTITLE OIL AND GAS INSPECTORDATE AUG 11 1971

CONDITIONS OF APPROVAL, IF ANY:

WELLBORE DIAGRAM

WELL NAME: Levers State

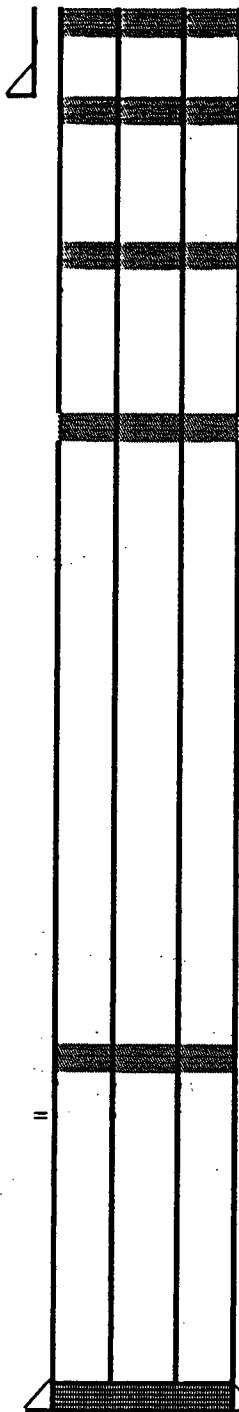
WELL NO: 5

LOCATION: 1082' FSL 1562' FEL Unit: O Section: 4 TWNS: T-18-S Range: R-28-E Eddy Co. NM

API NO. 30-015-02573

POOL: Artesia

DATE P&A: 2/4/71



Placed 10 sx cement plug in top of 10 3/4" csg & set mkr.

Surface Casing:

Depth: N/A

Hole Size:

Size & Weight:

Cmt./Sx.

Spotted 25 sx cement plug @ 540'

Spotted 25 sx cement plug @ 857'

Pulled 857' 8 5/8" casing

25 sx cement @ 1350'

50 sx @ 2416'

Perfs: N/A

Form: N/A

Production String:

Depth: N/A

Hole Size:

Size & Weight:

Cmt./Sx.

TD: 2416'

Date: 8/22/00 aer

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	703

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator	8. Farm or Lease Name
AMERICAN PETROFIMA COMPANY OF TEXAS	Lavers State
3. Address of Operator	9. Well No.
Box 1311, Big Spring, Texas 79720	5
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER 0, 1082 FEET FROM THE South LINE AND 1562 FEET FROM THE East LINE, SECTION 4 TOWNSHIP 18S RANGE 28E NMPM.	Artesia
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
3654 GR	Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- (Pow)
- 1-28-71 Ran 2-3/8" tubing to TD 2416'
 - 1-29-71 Spotted 50 sx cement on bottom through tubing using mud laden fluid as displacing medium. Pulled tubing up to 1350' and spotted 25 sx cement plug. Pulled remainder of tubing.
 - 1-30-71 Worked 8-5/8" casing loose and pulled (857')
 - 2-1-71 Ran 2-3/8" tubing to 857' and spotted 25 sx cement plug.
 - 2-3-71 Pulled tubing to 540' (Bottom of 10-3/4") and spotted 25 sx cement plug.
 - 2-4-71 Pulled tubing, placed 10 sx cement plug in top of 10-3/4" casing and set 4-1/2" pipe marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. M. Denson TITLE Asst. District Mgr. of Production DATE March 2, 1971

APPROVED BY C. H. House TITLE OIL AND GAS INSPECTOR

DATE AUG 11 1971

CONDITIONS OF APPROVAL, IF ANY:

WELLBORE SCHEMATIC

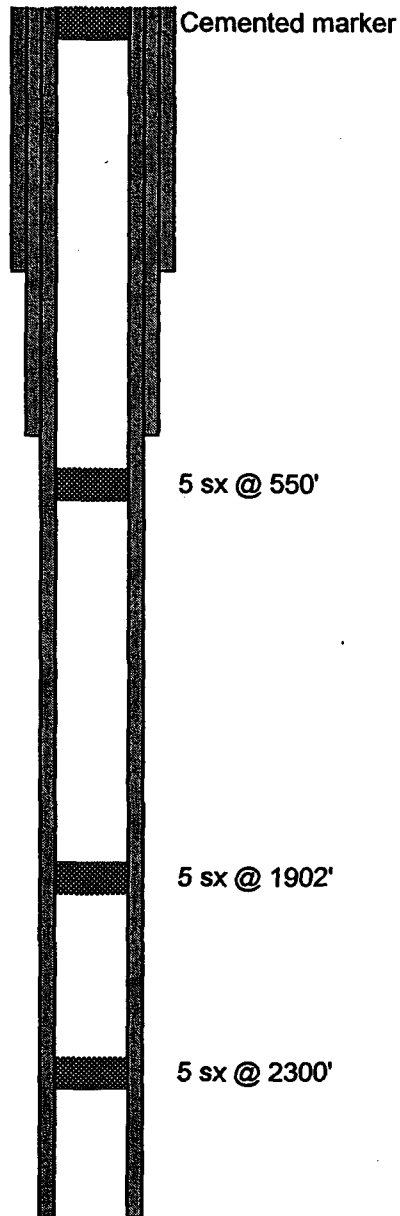
McGonagille
Carper State #1
330 FNL & 330 FEL
Section 4-18s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,818 feet
API #30-015-02557
Date Drilled: 12/31/48
Status:

Casing: 10 3/4"
Hole Size:
Depth: 285'
Cement:

Casing: 8 1/4"
Hole Size:
Depth: 535'
Cement:

Casing: 7"
Hole Size:
Depth: 1913
Cement: 20 sx

TD: 2818'



FORM C-102

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

DUPLICATE

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Artesia, New Mexico

September 29, 1941

Place

Date

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

McGonagill Daugherty Well No. 1 State in the
Company or Operator Lease
NE 1/4 of Sec. 4, T. 18, R. 28, N. M. P. M.,
Old Field, Eddy County

The dates of this work were as follows: July 14, 1941

Notice of intention to do the work was (was not) submitted on Form C-102 on 19
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Halliburton ran 1902' of 7" casing with 25 sacks of cement July 14, 1941.
After allowing the cement to set the plug was drilled out and no water appeared in the hole.

Witnessed by Alex McGonagill
Name Company Title

Subscribed and sworn to before me this

20 day of September, 1941

Mary Lucille Carlson
Notary Public

My Commission expires May 23, 1942

Remarks:

I hereby swear or affirm that the information given above is true and correct.

Name Emory Carper

Position

Representing Carper Drilling Company
Company or Operator

Address Artesia, New Mexico

Rog Yarrrough
Name
OIL & GAS INSPECTOR
Title

#31 30-015-02557

(Form C-103)
(Revised 7/1/52)NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	X	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

November 28, 1952

Artesia, New Mexico

(Date)

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

CARPER DRILLING COMPANY, INC.
(Company or Operator)McGonagill State
(Lease)

R. D. Collier

(Contractor)

Well No. 1

in the NE

1/4 NE

1/4 of Sec. 4

T. 18 S.

R. 28 E.

NMPM. Artesia

Pool,

Eddy

County.

The Dates of this work were as follows:

Sept. 26 & 27, 1952

Notice of intention to do the work (was) (~~was not~~) submitted on Form C-102 on

April 25

19 52

(Cross out incorrect words)

and approval of the proposed plan (was) (~~was not~~) obtained. April 28, 1952

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Hole was filled with heavy mud from T.D. of 2818' back to 2300' where 5 sack cement plug was spotted. Filled with mud back to base of 7" O.D. casing at 1902' and spotted another 5 sack cement plug. After salvaging casing, hole was mudded back to 550' followed by 5 sacks cement. Mudded to surface and set and cemented regulation marker. Cleared location.

Witnessed by

R. D. Collier

(Name)

Allied Supply Company

(Company)

(Title)

Approved:

OIL CONSERVATION COMMISSION

L. A. Hanson

(Name)

OIL AND GAS INSPECTOR

(Title)

DEC 1 1952

(Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name

Stanley Carper

Position

Exec. Vice-Pres. & Treas.

Representing

CARPER DRILLING CO., INC.

Address

Artesia, New Mexico

WELLBORE SCHEMATIC

Malony-Chambers

State #1

2390 FNL & 1070 FEL

Section 4-18s-28e

Eddy County, New Mexico

Ground Elevation:

Total Depth: 2,500 feet

API #30-015-02559

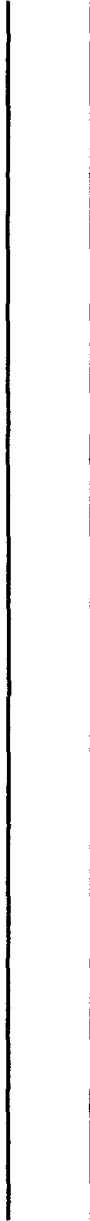
Date Drilled: 12/15/25

Date Plugged:

Casing:
Hole Size:
Depth:
Cement:

Casing:
Hole Size:
Depth:
Cement:

TD: 2500

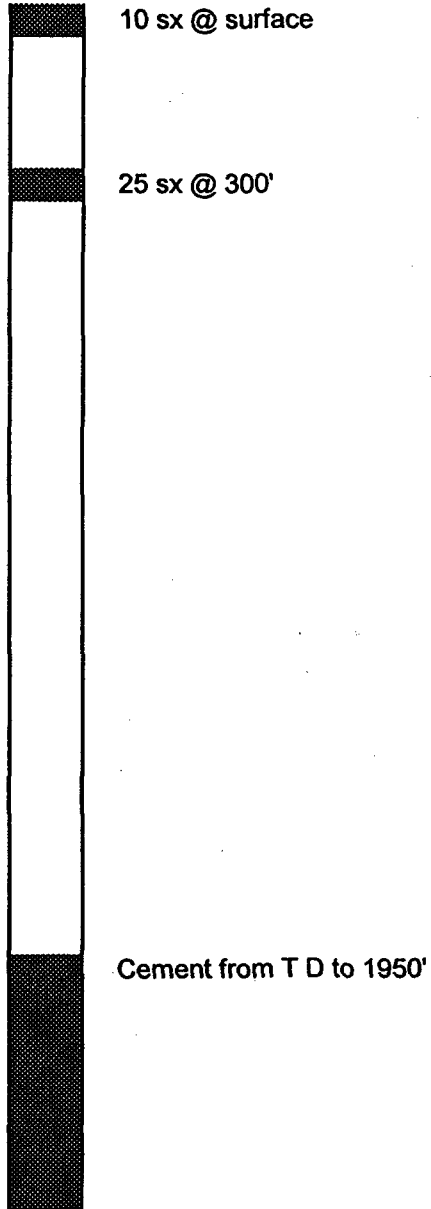


WELLBORE SCHEMATIC

Frontier Petroleum
McQuiqq #5
1570 FSL & 1570 FEL
Section 4-18s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,408 feet
API #30-015-02565
Date Drilled: 12/23/25
Date Plugged: 10/60

Casing:
Hole Size:
Depth:
Cement:

Casing:
Hole Size:
Depth:
Cement:



TD: 2408

12

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

RECEIVED

FORM C-103
(N.E.C.S.)

JUL 13 1960

Name of Company Graridge Corporation		Address P. O. Box 752 - Breckenridge, Texas		O. C. C.	
Lease Eddy-Humble	Well No. 5	Unit Letter J	Section 4	Township 18S	Range 28E
Date Work Performed see below	Pool Artesia	County Eddy			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain):
☒ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

7-9-60 Placed 50 sacks of cement from T. D. to approximately 1950'. Filled hole with heavy mud to 300', spot 25 sacks cement from 300' and set marker with 10 sacks of cement in surface.

Witnessed by Paul Darnell	Position Superintendent	Company Graridge Corporation
------------------------------	----------------------------	---------------------------------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P BTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPT	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by W. A. Gressett	Name A. C. Andrews, Jr.
Title OIL AND GAS INSPECTOR	Position Production Clerk
Date SEP 15 1960	Company Graridge Corporation

FORM C-103

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

02565

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Artesia, N. M.

June 24, 1937

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Frontier Petroleum Co., Lease Well No. 8 in the
NW 58 of Sec. 4, T. 18, R. 28, N. M. P. M.,
Artesia Field, Eddy County.

The dates of this work were as follows:

Notice of intention to do the work was [was not] submitted on Form C-102 on May 9, 1937 1937
and approval of the proposed plan was [was not] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Wood plug set at 2035 ft. on shoulder where hole was reduced, five sacks of
dumped. no salt. no water, hole filled to top and marker set.

DUPLICATE RECEIVED
JUL 2 1937

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn to before me this

24 day of July, 1937
Archie A. Dineen
Notary Public

My Commission expires

May 14 1937

I hereby swear or affirm that the information given above is true and correct.

Name

Position

Representing

Address

Frontier Petroleum Co.
Artesia, N. M.

Remarks:

Guy Shepard
Oil & Gas Inspector
Title

JUL 2 1937

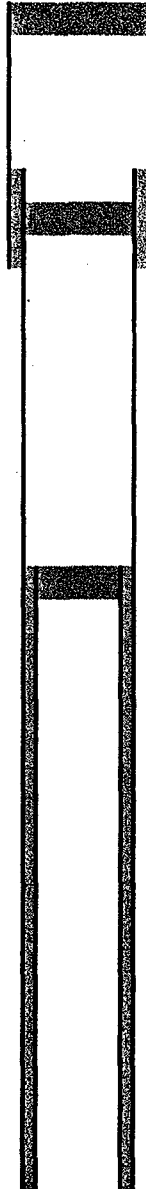
WELLBORE SCHEMATIC

Sunray DX Oil
Bookman State #1
1570 FSL & 1070 FEL
Section 4-18s-28e
Eddy County, New Mexico
Ground Elevation:
Total Depth: 2,425 feet
API #30-015-02560
Date Drilled: 12/25/25
Date Plugged: 2/27/34

Casing: ?
Hole Size:
Depth: ?
Cement:

Casing: 6 5/8"
Hole Size:
Depth: 2425
Cement:

TD: 2425



Plug #3 Surface na

Pulled casing to 400'

Plug #2 500' 5 sx

Pulled casing to 1450

Plug #1 1500' 5 sx

Form SG 106

NEW MEXICO STATE LAND OIL & GAS
OFFICE OF THE STATE GEOLOGIST
SANTA FE, NEW MEXICO

30-015-02560

MISCELLANEOUS REPORTS ON WELLS

Submit this report in duplicate to the State Geologist or proper Oil and Gas Inspector within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of water shut-off, result of abandonment of well, and other important operations, even though the work was witnessed by the State Geologist or Oil and Gas Inspector. Reports on minor operations need not be signed and sworn to before a notary public, but such operations should be witnessed by an Oil and Gas Inspector if possible.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF SHOOTING WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF ABANDONMENT OF WELL	<input checked="" type="checkbox"/>		

Artesia, N.M. Feb. 22, 1934

Mr. E.H. Wells, State Geologist,
Santa Fe, N. Mex.

Following is a report on the work done and the results obtained under the heading noted above at the

Blanche Beyl, Beckman Well No. 1 in the
N.M. of Sec. 4, T. 18S, R. 28E, N. M. P. M.,
Artesia Oil Field, Bay County.

The dates of this work were as follows: Feb. 23 to Feb. 27, 1934

Notice of intention to do the work was (~~submitted~~) submitted on Form SG 106 on
Feb. 20, 1934, and approval of the proposed plan was (~~was not~~) obtained. (Cross
out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Pulled 6-5/8 casing to 1450' filled hole to 1500' with mudladen fluid and put in 5 feet of rock and set 5 sacks of cement with dump bottom bailer pulled the casing to 400 feet and filled the hole with mudladen fluid to 500' and put in 5 ft. of rock and set 5 sacks of cement with dump bottom bailer pulled the rest of the casing and filled the hole to the top with mudladen fluid and put a piece of pipe extending 4 feet above the surface as a permanent marker.

DUPLICATE

Subscribed and sworn to before me this

1st day of March, 1934
J. E. Penner
NOTARY PUBLIC

I hereby swear or affirm that the information given above is true and correct.

Name H. T. Nellman
Position Plugging Contractor
Representing Blanche Beyl

My commission expires Jan. 22, 1938

Address Box 223 Big Spring Tex.

Remarks:

MAR 2 - 1934
APPROVED AS O. K.
BY [Signature]

WELLBORE SCHEMATIC

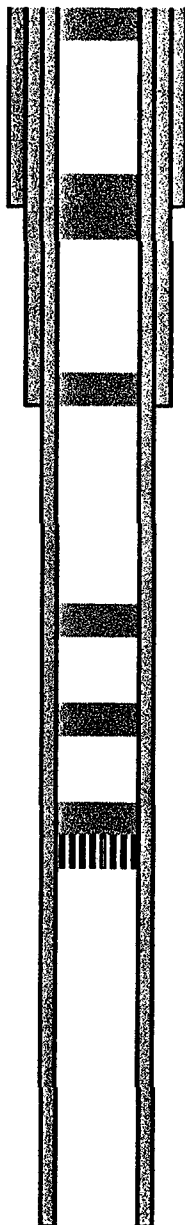
Amoco
 Empire South # 19
 2280 FNL & 660 FEL
 Section 36-17s-28e
 Eddy County, New Mexico
 Ground Elevation: 3692.9'
 Total Depth: 11,200' feet
 API #30-015-22543
 Date Drilled: 4/15/82
 Date Plugged: 12/3/86

Casing: 13 3/8"
 Hole Size:
 Depth: 289'
 Cement: 400 sx

Casing: 8 5/8"
 Hole Size:
 Depth: 2906'
 Cement: 1400 sx

Casing: 5 1/2"
 Hole Size:
 Depth: 11,200'
 Cement: 2300 sx

TD: 11,200'



Plug #6 0-80' 10 sx

Plug # 5 489-289 25 sx

Perf 3007-3006, set cement retainer at 2855.
 Pump 600 sx, circulate 35 sx, dump cement
 on top of retainer.

Plug #3 5295-5495 25 sx

Plug #2 6530 25 sx

Plug #1 7655-7690 na
 CIBP 7690'

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-103
Revised 12-1-77

30-015-22543

3a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
3. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS <small>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT "A" (FORM C-101) FOR SUCH PROPOSALS.)</small>	
1. OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Amoco Production Company	8. Form or Lease Name Empire South Deep Unit
3. Address of Operator P. O. Box 68 Hobbs, NM 88240	9. Well No. 19
4. Location of Well UNIT LETTER <u>H</u> <u>2280</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM <u>East</u> LINE, SECTION <u>36</u> TOWNSHIP <u>17-S</u> RANGE <u>28-E</u>	10. Field and Pool, or Wildcat Empire South Wolfcamp
11. Elevation (Show whether OF, RT, GR, etc.) 3692.9 RDB	12. County Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPER. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐
ALTERING CASING ☐
PLUG AND ABANDONMENT ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work; SEE RULE 1602.)

MI-RUSU 11-26-86. POH w/production equip. RIH by wireline CIBP. Set at 7690 ft. RIH tubing. Test CIBP to 500#. OK. Circulate hole clean 170 bbls 10# brine water w/25# gel/bbl. Cap CIBP w/35 ft Class H neat cement. Pull to 6530 and spot 25 sacks cement (Class H neat) plug to 6340'. Pull up to 5495' and spot 25 sacks Class H cement plug to 5295'. Pull tubing. RIH w/3-1/8" casing gun and perf 3007' to 3006' 4 JSPF. RIH w/cement retainer and set at 2855. Establish inj rate 2-1/2 BPM at 300#. Pump 600 sx Class H cement and circulate 35 sacks cement. Sting out of retainer and dump cement on top of retainer. PU. Spot 25 sx Class H cement to 489-289. PU and spot 10 sx Class H cement plug 80 ft to surface. Dig out cellar. Cut off wellhead. Weld on PxA marker. Fill in cellar. RD-MOSU 12-3-86.

Post IO-2
12-26-86
RAT

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Steve Brownlee

Admin. Analyst

DATE 12-9-86

Approved by Danell Mance

TITLE Geologist

DATE 4/2/87

CONDITIONS OF APPROVAL, IF ANY

CERTIFICATE OF APPROVAL

COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO
ARTESIA UNIT

EDDY COUNTY, NEW MEXICO

WATERFLOOD PROJECT

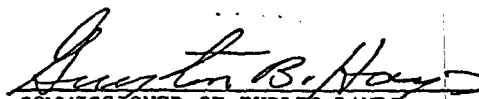
There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, the attached Agreement for the development and operation of acreage which is described within the attached Agreement, dated FEBRUARY 1, 1967, which has been executed, or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said Agreement, the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement, the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary Institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the state, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 7-11-39, 7-11-40, 7-11-41, 7-11-47, and 7-11-48, New Mexico Statutes Annotated, 1953 Compilation, I, the undersigned, Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said Agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said Agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this 18th. day of OCTOBER, 19 67.




COMMISSIONER OF PUBLIC LANDS
of the State of New Mexico

ARTESIA POOL
(Depco Camp Artesia Waterflood)
Eddy County, New Mexico

Order No. R-4027, Authorizing Depco, Inc., to Institute the Depco Camp Artesia Waterflood Project in the Artesia Pool, Eddy County, New Mexico, September 10, 1970.

Application of Depco, Inc., for a Waterflood Project, Eddy County, New Mexico.

CASE NO. 4415
Order No. R-4027

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on September 2, 1970, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 10th day of September, 1970, 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, Depco, Inc., seeks authority to institute a waterflood project in the Artesia Pool by the injection of water into the Grayburg and San Andres formations through five injection wells in Sections 27, 33, and 34, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

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

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

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

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

(7) That Order No. R-3454, which previously authorized water injection for disposal into one of the subject wells, should be superseded.

IT IS THEREFORE ORDERED:

(1) That the applicant, Depco, Inc., is hereby authorized to institute a waterflood project in the Artesia Pool by the injection of water into the Grayburg and San Andres formations through the following-described wells in Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico:

Depco State 647 Well No. 100 - Unit A - Section 27
Depco State 647 Well No. 82 - Unit F - Section 27
Depco State 647 Well No. 92 - Unit N - Section 27
Depco State 647 Well No. 207 - Unit I - Section 33
Depco State 647 Well No. 217 - Unit E - Section 34

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

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of the Depco Camp Artesia Waterflood Project on the State 647 Lease to include such additional lands and injection wells in the area of the project as may be necessary to complete an efficient water injection pattern; that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

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

(4) That Order No. R-3454 is hereby superseded.

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

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

(EUNICE (GRAYBURG-SAN ANDRES WATERFLOOD)
POOL - Cont'd.)

(2) That the subject waterflood project is hereby designated the Texaco Eunice Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

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

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

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

ARTESIA POOL
(International Oil & Gas Queen-Grayburg-San Andres Waterflood
Project Amendment)
Eddy County, New Mexico

Order No. R-2869-A, Authorizing the Substitution of Injection Wells in the Queen-Grayburg-San Andres Waterflood Project in the Artesia Pool, Eddy County, New Mexico, April 29, 1968.

Application of Depco, Inc., for an Amendment to Order No. R-2869, Eddy County, New Mexico.

CASE NO. 3747
Order No. R-2869-A

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on April 17, 1968, at Hobbs, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 29th day of April, 1968, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, 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 by Order No. R-2869, International Oil & Gas Corporation was authorized to institute a waterflood project in the

Artesia Pool by the injection of water into the Queen, Grayburg, and San Andres formations through nine wells in Sections 10 and 11, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

(3) That the applicant Depco, Inc., as successor to International Oil & Gas Corporation, seeks the amendment of said Order No. R-2869 to substitute the following-described water injection wells:

EDDY COUNTY, NEW MEXICO
TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM

WELL	LOCATION	SECTION
Dunn "B" No. 5	NE/4 SE/4	11
Dunn "A" No. 1	SW/4 NE/4	12
Dunn "B" No. 6	SW/4 SW/4	12

in lieu of the following-described wells which were included in the originally-authorized water injection wells:

EDDY COUNTY, NEW MEXICO
TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM

WELL	LOCATION	SECTION
Dunn "B" No. 15	SW/4 NW/4	10
Dunn "B" No. 19	SW/4 NE/4	10
Dunn "B" No. 21	SW/4 NW/4	11

(4) That approval of the subject application will not violate correlative rights and should increase the efficiency of the waterflood project and result in greater ultimate recovery of oil, thereby preventing waste.

IT IS THEREFORE ORDERED:

(1) That Order No. R-2869 is hereby amended by deleting from the water injection wells authorized therein the following-described wells:

EDDY COUNTY, NEW MEXICO
TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM

WELL	LOCATION	SECTION
Dunn "B" No. 15	SW/4 NW/4	10
Dunn "B" No. 19	SW/4 NE/4	10
Dunn "B" No. 21	SW/4 NW/4	11

and substituting in lieu thereof as water injection wells the following-described wells:

EDDY COUNTY, NEW MEXICO
TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM

WELL	LOCATION	SECTION
Dunn "B" No. 5	NE/4 SE/4	11
Dunn "A" No. 1	SW/4 NE/4	12
Dunn "B" No. 6	SW/4 SW/4	12

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

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

ARTESIA POOL
(Depco Artesia Waterflood Project Expansion)
(Formerly Highway Waterflood Project)
Eddy County, New Mexico

Order No. R-3311, Authorizing Depco, Inc. to Expand its Highway Waterflood Project in the Artesia Unit Area and Redesignate as Depco Artesia Waterflood Project, Artesia Pool, Eddy County, New Mexico, September 11, 1967.

Application of Depco, Inc., for a Waterflood Project, Eddy County, New Mexico.

CASE NO. 3653
Order No. R-3311

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, Depco, Inc., as successor to International Oil and Gas Corporation, operates a waterflood project in the Artesia Pool pursuant to Order No. R-2876, dated March 5, 1965, by the injection of water into the Grayburg formation through two wells located in Sections 25 and 36, Township 17 South, Range 28 East.

(3) That the applicant seeks permission to expand said waterflood project in its Artesia Unit Area, Artesia Pool, by the injection of water into the Grayburg formation through 15 additional injection wells in Sections 26, 34, 35, and 36, Township 17 South, Range 28 East, and Sections 2 and 3, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

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

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

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Depco, Inc., is hereby authorized to expand its Highway Waterflood Project in its Artesia Unit Area, Artesia Pool, by the injection of water into the Grayburg formation through the following-described wells in Eddy County, New Mexico:

OPERA- TOR	LEASE	WELL NO.	UNIT	SEC- TION	TOWNSHIP SHIP	RANGE
					NMPM	
Depco	State 647	164	M	26	17 South	28 East
Depco	State 647	169	O	26	17 South	28 East
Depco	Delhi State	1	O	34	17 South	28 East
Depco	Welch State	2	E	35	17 South	28 East
Depco	MRY State	2	G	35	17 South	28 East
Depco	Sinclair B State	1	M	35	17 South	28 East
Depco	Castle State	2	O	35	17 South	28 East
Depco	State 647	139	E	36	17 South	28 East
Depco	Sinclair B State	2	M	36	17 South	28 East
Depco	State A	2	E	2	18 South	28 East
Depco	Featherstone State B	7	M	2	18 South	28 East
Depco	Lanning State	1	E	3	18 South	28 East
Depco	State 647	130	G	3	18 South	28 East
Depco	State 647	38	M	3	18 South	28 East
Depco	Resler State	2	O	3	18 South	28 East

(2) That the subject waterflood project is hereby redesignated the Depco Artesia Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

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

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

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

ARTESIA POOL
(Penroc Phillips Artesia Waterflood Project)
Eddy County, New Mexico

Order No. R-3494, Authorizing Penroc Oil Corporation to Institute a Waterflood Project in the Grayburg Formation in the Artesia Pool, Eddy County, New Mexico, September 12, 1968.

Application of Penroc Oil Corporation for a Waterflood Project, Eddy County, New Mexico.

CASE NO. 3849
Order No. R-3494

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on September 4, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 12th day of September, 1968, 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, Penroc Oil Corporation, seeks permission to institute a waterflood project in the Artesia Pool by the injection of water into the Grayburg formation through its Phillips State Well No. 4, located in Unit I of Section 27, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico.

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

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

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Penroc Oil Corporation, is hereby authorized to institute a waterflood project in the Artesia Pool by the injection of water into the Grayburg formation through its Phillips State Well No. 4, located in Unit I of Section 27, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico.

(2) That the subject waterflood project is hereby designated the Penroc Phillips Artesia Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

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

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

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

ATOKA-SAN ANDRES POOL
(Kewanee Waterflood)
Eddy County, New Mexico

Order No. R-3476, Authorizing Kewanee Oil Company to Institute a Waterflood Project in the Atoka-San Andres Pool, Eddy County, New Mexico, August 20, 1968.

Applicant of Kewanee Oil Company for a Waterflood Project, Eddy County, New Mexico.

CASE NO. 383
Order No. R-3476

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on August 7, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 20th day of August, 1968, 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, Kewanee Oil Company, seeks permission to institute a waterflood project in its Atoka-San Andres Unit Area, Atoka-San Andres Pool, by the injection of water into the San Andres formation through 28 injection wells in Township 18 South, Range 26 East, NMPM, Eddy County, New Mexico.

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

(4) That two pilot waterflood projects have been conducted in the subject area under authority of Commission Orders Nos. R-2955 and R-3192.

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

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Kewanee Oil Company, is hereby authorized to institute a waterflood project in its Atoka San Andres Unit Area, Atoka-San Andres Pool, by the injection of water into the San Andres formation through the following-described wells in Township 18 South, Range 26 East, NMPM, Eddy County, New Mexico:

Operator	Well No.	Unit	Section
Standard of Texas			
E. Holland	1	NE/4 SW/4	10
Ralph Rogers	3	SE/4 SE/4	10
Stroup	4	SE/4 NE/4	10
Stroup	2	SE/4 NW/4	11
Stroup	6	NE/4 NW/4	11
M. G. Johnson	2	NW/4 SW/4	11
B. C. Aaron	1	SE/4 SW/4	11

New
Maribab Energy
N.C. Phillips #4

HIGH LONESOME POOL
(International Oil & Gas Waterflood Expansion)
Eddy County, New Mexico

Order No. R-2864, Authorizing International Oil & Gas Corporation to Expand the High Lonesome Waterflood Project in the High Lonesome Pool, Eddy County, New Mexico, February 11, 1965.

Application of International Oil & Gas Corporation for Expansion of a Waterflood Project, Eddy County, New Mexico.

CASE NO. 3194
Order No. R-2864

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on January 27, 1965, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 11th day of February, 1965, 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.

That the applicant, International Oil & Gas Corporation, permission to expand its High Lonesome Waterflood Project authorized by Order No. R-2458 in the High Lonesome Pool by converting to water injection three wells located in Units A, B, and J of Section 15, Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.

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

(4) That the proposed expansion of the High Lonesome Waterflood Project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the expanded project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, International Oil & Gas Corporation is hereby authorized to expand its High Lonesome Waterflood Project in the High Lonesome Pool by converting to water injection the following-described wells in Section 15, Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico:

McCallister Federal Well No. 3, located in Unit A
McCallister Federal Well No. 6, located in Unit B
McCallister Federal Well No. 5, located in Unit J

(2) That the expanded waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

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

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

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

ARTESIA POOL
(International Oil & Gas Queen-Grayburg Waterflood Project)
Eddy County, New Mexico

Order No. R-2876, Authorizing International Oil & Gas Corporation to Institute a Waterflood Project in the Queen and Grayburg Formations in the Artesia Pool, Eddy County, New Mexico, March 5, 1965.

Application of International Oil & Gas Corporation for a Waterflood Project, Eddy County, New Mexico.

CASE NO. 3213
Order No. R-2876

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on February 24, 1965, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 5th day of March, 1965, 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, International Oil & Gas Corporation, seeks permission to institute a waterflood project in the Artesia Pool by the injection of water into the Queen and Grayburg formations through two injection wells in Sections 25 and 26, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico.

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

(ARTESIA (INTERNATIONAL OIL & GAS
QUEEN-GRAYBURG WATERFLOOD
PROJECT) POOL - Cont'd.)

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

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, International Oil & Gas Corporation, is hereby authorized to institute a waterflood project in the Artesia Pool by the injection of water into the Queen and Grayburg formations through the following-described wells in Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico:

International-Yates State 647 Well No. 194, located in the SW/4 SW/4 of Section 25, and
International-Yates State 647 Well No. 191, located in the NW/4 NW/4 of Section 36.

(2) That the subject waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

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

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

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

ARTESIA POOL
(International Oil & Gas Queen-Grayburg-San Andres
Waterflood Project)
Eddy County, New Mexico

Order No. R-2869, Authorizing International Oil & Gas Corporation to Institute a Waterflood Project in the Queen-Grayburg-San Andres Formations in the Artesia Pool, Eddy County, New Mexico, February 11, 1965.

Application of International Oil & Gas Corporation for a Waterflood Project, Eddy County, New Mexico.

CASE NO. 3202
Order No. R-2869

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on January 27, 1965, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 11th day of February, 1965, 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, International Oil & Gas Corporation, seeks permission to institute a waterflood project in the Artesia Pool by the injection of water into the Queen, Grayburg, and San Andres formations through nine injection wells in Sections 10 and 11, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

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

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

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, International Oil & Gas Corporation, is hereby authorized to institute a waterflood project in the Artesia Pool by the injection of water into the Queen, Grayburg, and San Andres formations through nine wells at the following-described locations in Eddy County, New Mexico:

TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM

WELLS	LOCATION	SECTION
International-Yates-Dunn		
"B" Federal		
Well No. 13	NE/4 NE/4	10
Well No. 17	NE/4 NW/4	10
Well No. 15	SW/4 NW/4	10
Well No. 19	SW/4 NE/4	10
Well No. 24	NE/4 SE/4	10
Well No. 18	NE/4 NW/4	11
Well No. 21	SW/4 NW/4	11
Well No. 29	SW/4 NE/4	11
Well No. 30 (undrilled)	NE/4 SW/4	11

(2) That the subject waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

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

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

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



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87506
(505) 827-7131

RECEIVED

MAR 15 1998

ADMINISTRATIVE ORDER NO. WFX-733

***APPLICATION OF SDX RESOURCES, INC. TO EXPAND ITS WATERFLOOD PROJECT
IN THE ARTESIA POOL IN EDDY COUNTY, NEW MEXICO***

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-3311, SDX Resources, Inc. has made application to the Division on December 1, 1997 for permission to expand its Artesia Unit Waterflood Project in the Artesia Pool in Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection well is eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced waterflood project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, SDX Resources, Inc., be and the same is hereby authorized to inject water into the Grayburg and San Andres formations at approximately 2072 feet to approximately 2600 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the following described wells for purposes of secondary recovery to wit:

Artesia Unit Well No.1

1650' FSL & 460' FWL

Unit Letter 'L', Section 26, Township 17 South, Range 28 East

Injection Interval: 2072 feet to 2600 feet

Packer Setting: 1972 feet

Maximum Injection Pressure: 394 psig

Located in Eddy County, New Mexico.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than .2 psi per foot of depth to the uppermost injection perforation.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Grayburg or San Andres formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity tests so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

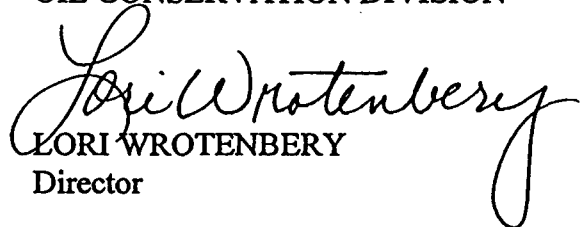
The subject well shall be governed by all provisions of Division Order No. R-3311, as amended and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

DONE at Santa Fe, New Mexico, on this 4th day of March, 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


LORI WROTENBERY
Director

SEAL

LW/BES/kv

cc: Oil Conservation Division - Artesia

Order #WFX-768

Order WFX-768 Stipulations

1. Squeeze Artesia Unit Well #12
2. Squeeze Artesia Unit Well #13
3. Provide evidence - Empire ABO Unit
Unit G#38 has TOC greater than 1700.

Order WFX-768 Compliance

1. Squeezed Artesia Unit Well #12 &
circulated cement to surface.
2. Squeezed Artesia Unit Well #13 &
circulated cement to surface.
3. Calculated TOC on Empire ABO Unit
G-38 to be 1,545'.

OIL CONSERVATION DIVISION

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

DISTRICT II
Drawer DD, Artesia, NM 88210

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

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

WELL API NO.	30 015
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Artesia Unit
8. Well No.	Order WFX-768 for Wells #23 & 29
9. Pool name or Wildcat	Artesia, Queen-Grayburg-San Andres (03230)

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> OTHER	
2. Name of Operator Melrose Operating Company	
3. Address of Operator c/o P.O. Box 953, Midland, TX 79702 915 684-6381	
4. Well Location Unit Letter _____ Feet From The _____ Line and _____ Feet From The _____ Line Section 35 Township 17S Range 28E NMPM Eddy County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
OR ALTER CASING ☐
OTHER: ☐

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER Compliance as per Administrative Order WFX-768 ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

As per administrative Order NO. WFX-768 - this Sundry Notice is submitted to comply with the requirement as stated: "Prior to commencing injection operations into the subject well(s)... (Order No. WFX 768 permits the Artesia Unit Well #23 and #29 for injection)..., the Empire Abo Unit G Well No. 38, located 2310 Feet from the South Line and 1650 Feet from the West Line of Section 35, Township 17 South, Range 28 East, NMPM, the operator (Melrose) shall either provide evidence that the top of cement in the 5 1/2" production casing is above approximately 1700 feet, or the operator shall cement squeeze this well to obtain such results." Please see attached the NMOCD "Miscellaneous Reports on Wells" filed by Hondo-Western-Yates for the "State A #39 which is now, after unitization of the Empire Abo Unit, the BP Amoco, Empire Abo Unit, Well #38, API # 30 015 01739. Also attached is the current wellbore diagram that reflects the top of cement at surface behind the 5 1/2" casing set @ 6378', cemented with 150 sx 2% gel incor, estimated top of incor @ 5253', calculated top of 170 sx HYS-400 cement @ surface. Data submitted with this Sundry Notice is the exact information submitted by the initial operator in compliance with NMOCD Rule 107 (107.A). Copy of Order WFX-768 attached. Initial Sundry Notice submitted on 8-29-01 in an attempt to comply with the Order stipulations as above submitted to Oil Conservation Division - Artesia, did not contain sufficient data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ann E. Ritchie TITLE Regulatory Agent DATE 10-23-01
TYPE OR PRINT NAME Ann E. Ritchie TELEPHONE NO. 915 684-6381

(Space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

ADMINISTRATIVE ORDER NO. WFX-768

APPLICATION OF MELROSE OPERATING COMPANY TO EXPAND ITS WATERFLOOD PROJECT IN THE ARTESIA QUEEN-GRAYBURG-SAN ANDRES POOL IN EDDY COUNTY, NEW MEXICO

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Orders No. R-3311, Melrose Operating Company has made application to the Division on October 16, 2000 for permission to expand its Artesia Unit Waterflood Project in the Artesia Queen-Grayburg-San Andres Pool in Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection well(s) are eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced Waterflood Project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, Melrose Operating Company be and the same is hereby authorized to inject water into the Queen, Grayburg and San Andres formations at approximately 2,082 feet to approximately 2,467 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the following described well(s) for purposes of secondary recovery to wit:

Artesia Unit Well No. 23

API No. 30-015-01746

1980 FSL & 660 FWL, Unit 'L', Section 35

Township 17 South, Range 28 East, NMPM

Injection Interval: 2,082 feet to 2,378 feet (Perforated)

Maximum Injection Pressure: (.2 psi/ft) 416 psig

Artesia Unit Well No. 29

API No. 30-015-01742

990 FSL & 1650 FWL, Unit 'N', Section 35

Township 17 South, Range 28 East, NMPM

Injection Interval: 2,454 feet to 2,467 feet (Perforated)

Maximum Injection Pressure: (.2 psi/ft) 491 psig

Eddy County, New Mexico.

IT IS FURTHER ORDERED THAT:

Prior to commencing injection operations into the subject well(s), the Artesia Unit Well No. 12, located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 17 South, Range 28 East, NMPM, the operator shall cement squeeze the production casing from the top of cement, as determined by a cement bond log, to the surface.

Prior to commencing injection operations into the subject well(s), the Artesia Unit Well No. 13, located 1980 feet from the North line and 1980 feet from the West line of Section 35, Township 17 South, Range 28 East, NMPM, the operator shall either provide evidence that the surface casing is adequately cemented so as to effectively isolate and protect fresh water, or cement squeeze the production casing from the top of cement, as determined by a cement bond log, to the surface.

Prior to commencing injection operations into the subject well(s), the Empire Abo Unit G Well No. 38, located 2310 Feet from the South Line and 1650 Feet from the West Line of Section 35, Township 17 South, Range 28 East, NMPM, the operator shall either provide evidence that the top of cement in the 5 1/2 production casing is above approximately 1700 feet, or the operator shall cement squeeze this well to obtain such results.

The Division's Artesia District Office shall be notified of the date and time that the cement bond logs are to be run. Copies of the logs shall be submitted to the Artesia District Office.

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well(s), the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well(s) or systems shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well(s) to .2 psi per foot of depth to the uppermost injection perforation.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well(s) that such higher pressure will not result in migration of the injected fluid from the Queen, Grayburg and San Andres formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity tests so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing or packer in said well(s) and shall take such steps as may be timely and necessary to correct such failure or leakage.

The subject well(s) shall be governed by all provisions of Division Orders No. R-3311 and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well(s), provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Administrative Order WFX-768
Melrose Operating Company
November 28, 2000
Page 4

DONE at Santa Fe, New Mexico, on this 28th day of November, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Lori Wrotenbery *by MWA*
LORI WROTENBERY
Director

SEAL

LW/MWA/kv

cc: Oil Conservation Division - Artesia
Case File No. 3653 (Order No. R-3311)

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

RECEIVED
AUG 29 1961FORM C-103
(Rev 3-55)D. C. C.
ARTESIA, OFFICE

Name of Company Hondo-Western-Yates				Address Box 129, Artesia, New Mexico			
Lease State 'A'	Well No. 39	Unit Letter K	Section 35	Township 17-S	Range 28-E		
Date Work Performed	Pool Empire Abo			County Eddy			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☒ Casing Test and Cement Job ☒ Other (Explain):
☐ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

8-9-61 Ran 757' of 8-5/8" OD 28# used casing, set and cemented with 350 sks.

8-23-61 Ran 6378' of 5-1/2" casing as follows:
821' of 5-1/2" OD 17# N-80
2100' of 5-1/2" OD 17# J-55
3457' of 5-1/2" OD 15.5# J-55
Cemented casing with 170 Units of HYS 400 plus 150 sks.
2% gel Incore.

8-23-61 Ran 6170' of 2" EUE 4.70# J-55 smls. tubing.
Packer set at 6170
Perforations: 6297 - 6308 2/ft.
Treated formation thru perforations with 1000 gallons
15% regular acid with DB-50 added.

Witnessed by A. J. Deans	Position Dist. Prod. Supt.	Company Hondo Oil & Gas Company
------------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	

Perforated Interval(s)	
Open Hole Interval	Producing Formation(s)

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

8-24-61

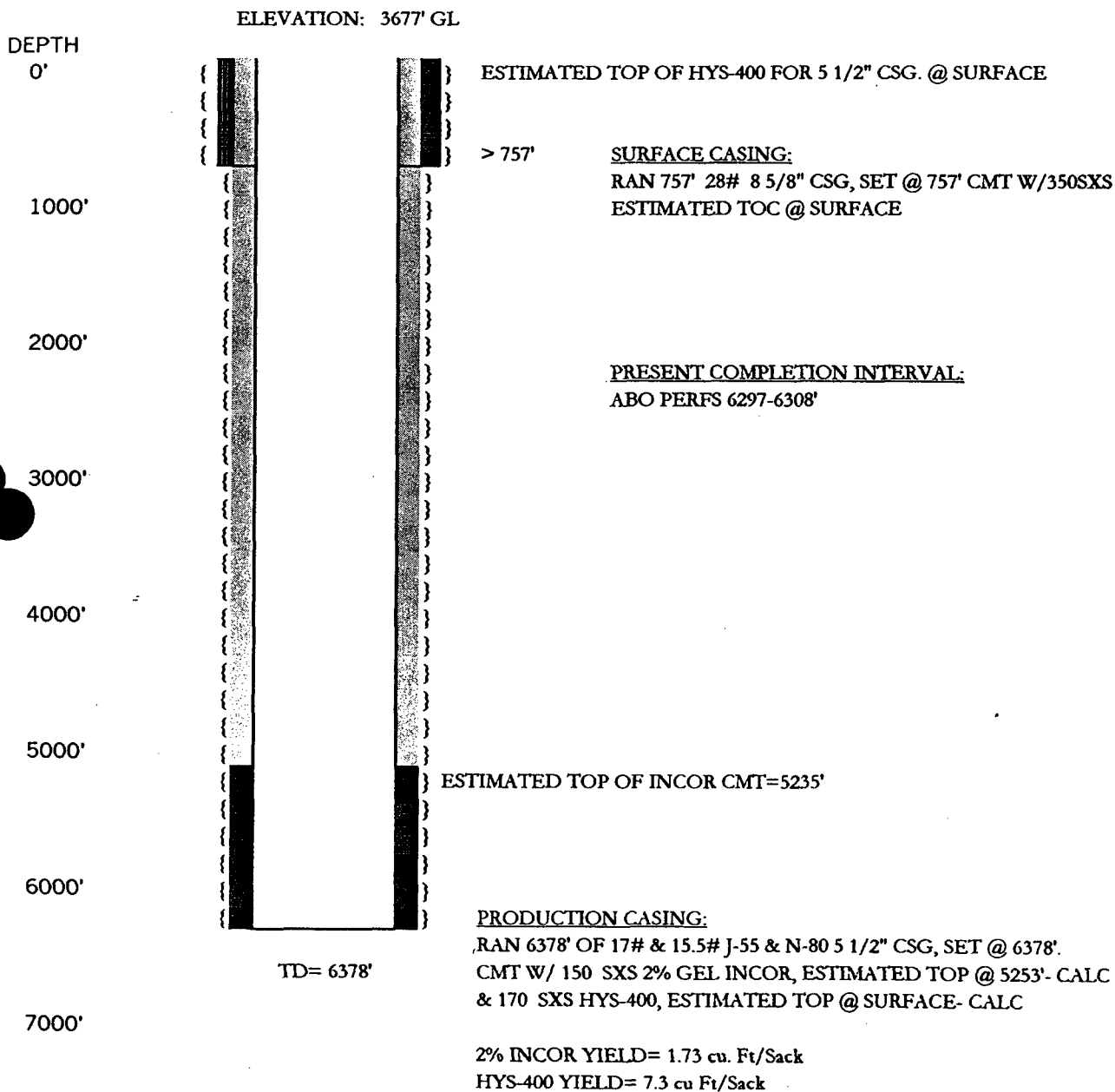
by M. L. Armstrong Title OIL AND GAS INSPECTOR	Name A. J. Deans by Embadmon Position Dist. Prod. Supt. Company Hondo Oil & Gas Company
Date AUG 30 1961	

(BP Amoco)
ARCO PERMIAN OPERATING
CURRENT CONFIGURATION

WELL: EMPIRE ABO UNIT G-38
FIELD: EMPIRE ABO
INTERVAL: ABO
COMP: 8/21/61
IP: 130 BOPD
SPUDED: 8/9/61

LOCATION:
2310' FSL & 1650' FWL
SEC 35, T-17-S, R-28-E
EDDY COUNTY, NM

API #: 30-015-01739



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.

30 015 01746/015 01742

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

23 & 29

9. Pool name or Wildcat

Artesia, Queen-Grayburg-San Andres (03230)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil
Well ☐

Gas
Well ☐

OTHER Injection well ☒

2. Name of Operator

Melrose Operating Company

3. Address of Operator

c/o P.O. Box 953, Midland, TX 79702 915 684-6381

4. Well Location

Unit Letter L 1980 Feet From The South Line and 660 Feet From The West (23) Line

Section 35 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

ORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER Compliance ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)/SEE RULE 1103:

As per administrative Order NO. WFX-768, review of the data reveals that sufficient cement was utilized to bring cement to a calculated height @ surface using 25% excess. Wellbore diagram attached.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

8-29-01

TYPE OR PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(Leave space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I

Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.

30 015 01745

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

12

9. Pool name or Wildcat

Artesia, Q-G-SA (03230)

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil
Well ☒

Gas
Well ☐

OTHER Injection well

2. Name of Operator

Melrose Operating Company

3. Address of Operator

c/o P.O. Box 953, Midland, TX 79702

4. Well Location

Unit Letter E 1980' Feet From The North Line and 660 Feet From The West Line

Section 35 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

RM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☒

OTHER As per Administrative Order #WEX 768 ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4-17-01: Rigged up BJ Services, pumped 20 bbls gel w/loss circulation material, 200 gals .RBP @ 2059' Pumped 200 sx CI C cement w/3% CaCl @ 15.4#/gal. Displaced with 2 1/2 bbls water. Rigged down BJ, ran in hole w/drill collars & bit, cleaned hole to 170' SION.

4-18-01: Ran cement bond log - cement @ surface.

4-19-01: TOH w/RBP. Went in and tagged @ 2259', clean out, TIH w/bailer clean to 2310' PBTD.

4-20-01: TIH with packer set at 2112'. Loaded backside. Load tubing. SION.

4-21-01: Acidized well w/3000 gals 15% HCL. Swabbed, SION.

4-23-01: Ran tubing in hole. Shut-in well. Cleaned location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

7-2-01

PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(this space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



CEMENT JOB REPORT

[illegible]

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 015 01754

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

13

9. Pool name or Wildcat

Artesia, Q-G-SA (03230)

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK OR
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil
Well ☒

Gas
Well ☐

OTHER

Injection

2. Name of Operator

Melrose Operating Company

3. Address of Operator

P.O. Box 953, Midland, TX 79702

4. Well Location

Unit Letter F 1980' Feet From The North Line and 1980' Feet From The West Line

Section 35 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3668'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☒

OTHER As per Administrative Order #WEX 768 ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4-30-01: MIRU - shot perf @ 1800' - cement top @ 1830' as per cement bond log - ran Computa log.

5-1-01: Cleaned out hole, changed out wellhead.

5-2-01: Rigged up BJ Services, ran in hole with tension packer set @ 1745', loaded backside w/500 psi. Moved packer to 1475' - mixed 200
sx 12.4# per/gal 1.98 cu. ft/sk tailed with 100 sx Cl C 2% CaCl washed to pit. Displaced tubing and casing to 1650'. Ordered out bond log.

5-4-01: Ran bond log, holding pressure on casing. Top of cement @ 1380', shot new squeeze holes @ 510'. Call for cement.

5-5-01: BJ Services (pumped 200 sx) lite cement 1.89 yield & 200 sx Cl C 2% CaCl to displace to 100' above squeeze hole.

5-7-01: Started drilling cement @ 330' - drilled to 520' continued - ordered out bond log.

5-8-01: Ran CBL - showed good bond @ 520' to 330' - perforated @ 300' and @ 20', set packer & pumped down tubing w/reverse unit.

5-9-01: Rigged up BJ, set packer @ 80', pumped 200 sx BJ lite cement 1.89 at 12.4# - pumped cement & saw cement @ surface. Fell back,
pumped 400 sx circulating, mixed 200 sx Cl C 2% CaCl, circulated. Circulated 44 bbls cement to pit. TOH w/packer WOC.

5-10-01: Began drilling out cement.

5-11-01: Drilled out cement to 2311'. 5-12-01: Drilled out to 2370'.

5-14-01: Nipple down BOP - hang tubing off - shut-in for day.

5-15-01: Ran in hole with tubing and cleaned location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Ann E. Ritchie

TITLE

Regulatory Agent

DATE

7-2-01

TYPE OR PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(This space for State Use)

APPROVED BY

Mike Stoppel

TITLE

Envt. Eng. Spec. I

DATE

7/25/2001

COMMENTS OF APPROVAL, IF ANY



CEMENT JOB REPORT

CUSTOMER Melrose Operating Co.		DATE 09-MAY-01		F.R. # 285810103		SERV. SUPV. Paxton Jackson	
LEASE & WELL NAME Arleta Unit #13		LOCATION Sec 35 - T17S - R26E		COUNTY-PARISH-BLOCK Eddy New Mexico			
DISTRICT Arleta		DRILLING CONTRACTOR RIG # Basic Energy PU			TYPE OF JOB Squeeze-Block		
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES			
No Shoe				SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN
							Bbl SLURRY
							Bbl MIX WATER
MATERIALS FURNISHED BY BJ							
600x05.65.8(P.C.G)				12.6	1.99	10.71	212
200x0.75.2%CaCl				14.8	1.34	8.34	48
Water				8.34			
Available Mix Water 260 Bbl.				Available Displ. Fluid 100 Bbl.		TOTAL 260 162.89	
HOLE		TBO-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE
0	0	0	2.375	4.7	TBG	60	N-80
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
SIZE	WGT.	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM
5.5	14	CSG		Retrievable packer	60	0	0
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		MAX TBO PSI	
VOLUME	BBL	TYPE	WGT.	BUMP PLUG	TO REV.	RATED	Operator
1.5	BBL	Water	8.34	0	0	11200	8960
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:							
PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	BBL FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 2000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
08:15	0	0	0	0		Arrived on location	
08:30	0	0	0	0		Safety meeting	
08:35	2000	0	1	1 FAW		Test lines	
08:58	80	0	4	30 FAW		Break circulation	
09:05	120	0	4	40 12.6# CMT		Cement	
09:15	100	0	2	80 12.6# CMT		Cement	
10:18	0	0	0	0		Shutdown, Check to see if cement will fall back	
10:27	110	0	2	15 12.6# CMT		Cement	
10:35	100	0	3	48 14.8# CMT		Tail cement	
10:45	100	0	3	1.5 FAW		Displace	
						Circulated 125 Gals / 44 BBLs to pit	
						Thanks, Keith and Crew!!!	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BOLCMT RETURNS/ REVERSED	TOTAL BBL PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERV. SUPV.
Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	44	285	0	Y <input checked="" type="checkbox"/>

+Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

DISTRICT I

Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 015 01746

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

23

9. Pool name or Wildcat

Artesia, Queen-Grayburg-San Andres (03230)

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil
Well ☐

Gas
Well ☐

OTHER Injection well ☒

2. Name of Operator

Melrose Operating Company

3. Address of Operator

c/o P.O. Box 953, Midland, TX 79702 915 684-6381

4. Well Location

Unit Letter L 1980 Feet From The South Line and 660 Feet From The West Line

Section 35 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER MIT ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7-20-01: Ran mechanical integrity test - pressured up to 300 psi, held for 30 minutes. Test witnessed by Gerry Guy with the Oil Conservation Division. Chart given to Gerry.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

7-26-01

PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(this space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I

Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 015 01742

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Artesia Unit

8. Well No.

29

9. Pool name or Wildcat

Artesia, Queen-Grayburg-San Andres (03230)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil
Well ☐

Gas
Well ☐

OTHER Injection well ☒

2. Name of Operator

Melrose Operating Company

3. Address of Operator

c/o P.O. Box 953, Midland, TX 79702 915 684-6381

4. Well Location

Unit Letter N 990 Feet From The South Line and 1650 Feet From The West Line

Section 35 Township 17S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER MIT ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8-8-01: As per Administrative Order #WFX-768 the Oil Conservation Division was notified and witnessed a MIT test on the Artesia Unit, Well #29. The well was pressure tested to 300 psi and held for 30 minutes. The chart was kept by Gary Guy with the Oil Conservation Division.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Agent

DATE

7-26-01

OR PRINT NAME Ann E. Ritchie

TELEPHONE NO. 915 684-6381

(this space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

+Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C 103
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO. 30 015 01746/015 01742	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Artesia Unit	
8. Well No. 23 & 29	
9. Pool name or Wildcat Artesia, Queen-Grayburg-San Andres (03230)	

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> OTHER Injection well <input checked="" type="checkbox"/>	
2. Name of Operator Melrose Operating Company	
3. Address of Operator c/o P.O. Box 953, Midland, TX 79702 915 684-6381	
4. Well Location Unit Letter <u>L</u> <u>1980</u> Feet From The <u>South</u> Line and <u>660</u> Feet From The <u>West (23)</u> Line Section <u>35</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>Eddy</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER Compliance <input checked="" type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103:
As per administrative Order NO. WFX-768, review of the data reveals that sufficient cement was utilized to bring cement to a calculated height @ surface using 25% excess. Wellbore diagram attached.

I hereby certify that the information above is true and correct to the best of my knowledge and belief.

SIGNATURE Ann E. Ritchie TITLE Regulatory Agent DATE 8-29-01

OR PRINT NAME Ann E. Ritchie TELEPHONE NO. 915 684-6381

(this space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ARCO PERMIAN OPERATING CURRENT CONFIGURATION

WELL: EMPIRE ABO UNIT G-38
FIELD: EMPIRE ABO
INTERVAL: ABO
COMP: 8/21/61
IP: 130 BOPD
SPUDDED: 8/9/61

LOCATION:
2310' FSL & 1650' FWL
SEC 35, T-17-S, R-28-E
EDDY COUNTY, NM
API #: 30-015-01739

ELEVATION: 3677' GL

DEPTH
0'

ESTIMATED TOP OF HYS-400 FOR 5 1/2" CSG. @ SURFACE

1000'

> 757'

SURFACE CASING:

RAN 757' 28# 8 5/8" CSG, SET @ 757' CMT W/350SXS
ESTIMATED TOC @ SURFACE

2000'

PRESENT COMPLETION INTERVAL:

ABO PERFS 6297-6308'

3000'

4000'

5000'

ESTIMATED TOP OF INCOR CMT=5235'

6000'

TD= 6378'

PRODUCTION CASING:

RAN 6378' OF 17# & 15.5# J-55 & N-80 5 1/2" CSG, SET @ 6378'.
CMT W/ 150 SXS 2% GEL INCOR, ESTIMATED TOP @ 5253'- CALC
& 170 SXS HYS-400, ESTIMATED TOP @ SURFACE- CALC

7000'

2% INCOR YIELD= 1.73 cu. Ft/Sack

HYS-400 YIELD= 7.3 cu Ft/Sack

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

O. C. C.
ARTESIA, OFFICE

RECEIVED

AUG 29 1961
FORM C-103
(Rev 3-55)

Name of Company Hondo-Western-Yates			Address Box 129, Artesia, New Mexico			
Lease State 'A'	Well No. 39	Unit Letter K	Section 35	Township 17-S	Range 28-E	
Date Work Performed	Pool Empire Abo	County Eddy				

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☒ Casing Test and Cement Job ☒ Other (Explain):
☐ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

8-9-61 Ran 757' of 8-5/8" OD 28# used casing, set and cemented with 350 sks.

8-23-61 Ran 6378' of 5-1/2" casing as follows:
821' of 5-1/2" OD 17# N-80
2100' of 5-1/2" OD 17# J-55
3457' of 5-1/2" OD 15.5# J-55
Cemented casing with 170 Units of HYS 400 plus 150 sks.
2% gel Incore.

8-23-61 Ran 6170' of 2" EUE 4.70# J-55 smls. tubing.
Packer set at 6170
Perforations: 6297 - 6308 2/ft.
Treated formation thru perforations with 1000 gallons
15% regular acid with DB-50 added.

Witnessed by A. J. Deans	Position Dist. Prod. Supt.	Company Hondo Oil & Gas Company
------------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

8-24-61

ed by M. L. Armstrong	Name A. J. Deans by [Signature]
Title OIL AND GAS INSPECTOR	Position Dist. Prod. Supt.
Date 2116 30 1961	Company Hondo Oil & Gas Company



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

ADMINISTRATIVE ORDER NO. WFX-768

APPLICATION OF MELROSE OPERATING COMPANY TO EXPAND ITS WATERFLOOD PROJECT IN THE ARTESIA QUEEN-GRAYBURG-SAN ANDRES POOL IN EDDY COUNTY, NEW MEXICO

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Orders No. R-3311, Melrose Operating Company has made application to the Division on October 16, 2000 for permission to expand its Artesia Unit Waterflood Project in the Artesia Queen-Grayburg-San Andres Pool in Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection well(s) are eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced Waterflood Project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, Melrose Operating Company be and the same is hereby authorized to inject water into the Queen, Grayburg and San Andres formations at approximately 2,082 feet to approximately 2,467 feet through 2 3/8-inch plastic lined tubing set in a packer located within 100 feet of the uppermost injection perforations in the following described well(s) for purposes of secondary recovery to wit:

Artesia Unit Well No. 23

API No. 30-015-01746
1980 FSL & 660 FWL, Unit 'L', Section 35
Township 17 South, Range 28 East, NMPM
Injection Interval: 2,082 feet to 2,378 feet (Perforated)
Maximum Injection Pressure: (.2 psi/ft) 416 psig

Artesia Unit Well No. 29

API No. 30-015-01742
990 FSL & 1650 FWL, Unit 'N', Section 35
Township 17 South, Range 28 East, NMPM
Injection Interval: 2,454 feet to 2,467 feet (Perforated)
Maximum Injection Pressure: (.2 psi/ft) 491 psig

Eddy County, New Mexico.

IT IS FURTHER ORDERED THAT:

Prior to commencing injection operations into the subject well(s), the Artesia Unit Well No. 12, located 1980 feet from the North line and 660 feet from the West line of Section 35, Township 17 South, Range 28 East, NMPM, the operator shall cement squeeze the production casing from the top of cement, as determined by a cement bond log, to the surface.

Prior to commencing injection operations into the subject well(s), the Artesia Unit Well No. 13, located 1980 feet from the North line and 1980 feet from the West line of Section 35, Township 17 South, Range 28 East, NMPM, the operator shall either provide evidence that the surface casing is adequately cemented so as to effectively isolate and protect fresh water, or cement squeeze the production casing from the top of cement, as determined by a cement bond log, to the surface.

Prior to commencing injection operations into the subject well(s), the Empire Abo Unit G Well No. 38, located 2310 Feet from the South Line and 1650 Feet from the West Line of Section 35, Township 17 South, Range 28 East, NMPM, the operator shall either provide evidence that the top of cement in the 5 1/2 production casing is above approximately 1700 feet, or the operator shall cement squeeze this well to obtain such results.

The Division's Artesia District Office shall be notified of the date and time that the cement bond logs are to be run. Copies of the logs shall be submitted to the Artesia District Office.

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well(s), the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well(s) or systems shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well(s) to .2 psi per foot of depth to the uppermost injection perforation.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well(s) that such higher pressure will not result in migration of the injected fluid from the Queen, Grayburg and San Andres formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity tests so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing or packer in said well(s) and shall take such steps as may be timely and necessary to correct such failure or leakage.

The subject well(s) shall be governed by all provisions of Division Orders No. R-3311 and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well(s), provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Administrative Order WFX-768
Melrose Operating Company
November 28, 2000
Page 4

DONE at Santa Fe, New Mexico, on this 28th day of November, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Lori Wrotenbery by MWA
LORI WROTENBERY
Director

SEAL

LW/MWA/kv

cc: Oil Conservation Division - Artesia
Case File No. 3653 (Order No. R-3311)

64'

100

FedEx.USA Airbill

 FedEx
Tracking
Number

824151325050

1 From This portion can be removed for Recipient's records.

Date 3/23/01 FedEx Tracking Number 824151325050

Sender's Name Tom Kellahin Phone 505 982-4285

Company KELLAHIN & KELLAHIN

Address 117 N GUADALUPE ST

City SANTA FE State NM ZIP 87501

Day/Floor/Suite/Room

2 Your Internal Billing Reference

3 To Recipient's Name Ann Ritchie Phone 9156846381

Company Melrose Operating

Address 511 West Ohio

To "HOLD" at FedEx location, print FedEx address.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

City Midland TX State TX ZIP 79701

Day/Floor/Suite/Room

8241 5132 5050



0159786770

0215

Recipient's Copy

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☒ FedEx Priority Overnight

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4b Express Freight Service

☐ FedEx 1Day Freight*

Next business day

☐ FedEx 2Day Freight

Second business day

☐ FedEx 3Day Freight

Third business day

* Call for Confirmation

* Declared value limit \$500

5 Packaging

☐ FedEx Envelope/Letter*

☒ FedEx Pak*

☐ Other Pkg.

Includes FedEx box, FedEx Tube, and customer pkg.

6 Special Handling

☐ SATURDAY Delivery

Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes

☐ SUNDAY Delivery

Available for FedEx Priority Overnight to select ZIP codes

☐ HOLD Weekday at FedEx Location

Not available with FedEx First Overnight to select locations

Include FedEx address in Section 3.

☐ HOLD Saturday at FedEx Location

Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

One box must be checked.

☐ No ☐ Yes

As per attached Shipper's Declaration

☐ Yes ☐ No

Shipper's Declaration required for dangerous goods

Dangerous Goods cannot be shipped in FedEx packages

☐ Dry Ice

Dry Ice, UN 1845

☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

☐ Obtain Recip. Acct. No.

☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

☒ Sender Acct. No. in Section 1 will be billed.

Total Packages

Total Weight

Total Charges

Your liability is limited to \$100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and to deliver it to the addressee and hold us harmless from any resulting claims.

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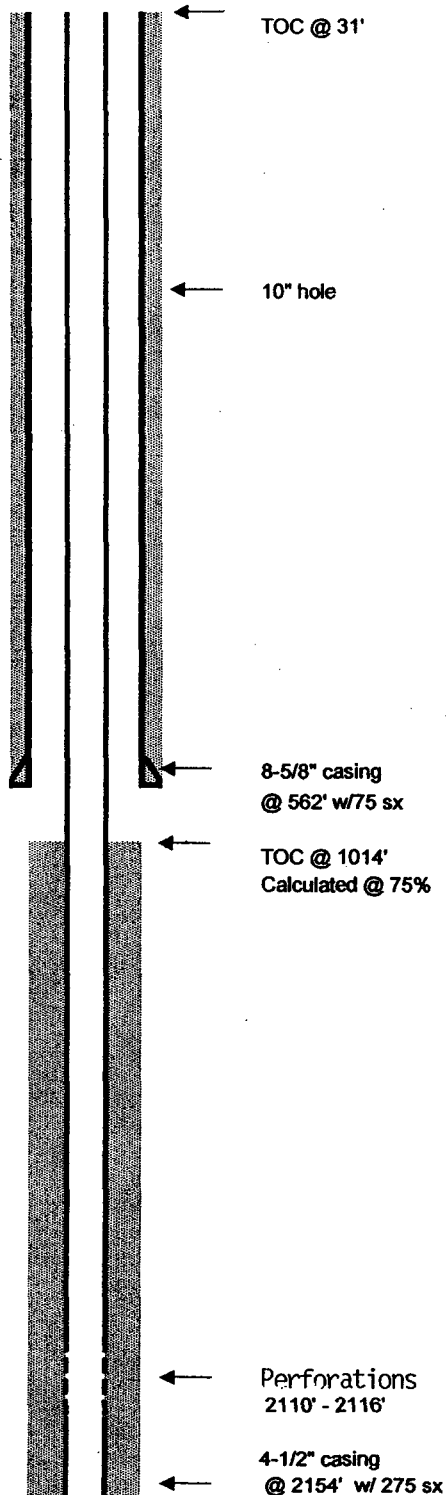
Rev. Date 3/00-Post 1/05/03 ©1994-2000 FedEx® PRINTED IN U.S.A. GBFE 9/00

402

Melrose Operating Company

Current Wellbore

Artesia Unit # 2



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2154'
State:	N.M.	Drilling Commenced:	11/13/60
Twp/Rnge	T-17S, R-28E	Drilling Completed:	12/16/50
Section:	26	Date Well Plugged:	
Unit Letter:	M	Longitude:	
Footages:	330'FSL & 330' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01563	Freshwater Depth:	
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	562'	75 sx	surface
4-1/2"	8"	2154'	275 sx	841'

Perforations			
Formations		Top	Bottom
San Andres		2110	2116

Comments

Proposed Additional Perfs:

1897' - 1917'

2000' - 2005'

2116' - 2135'

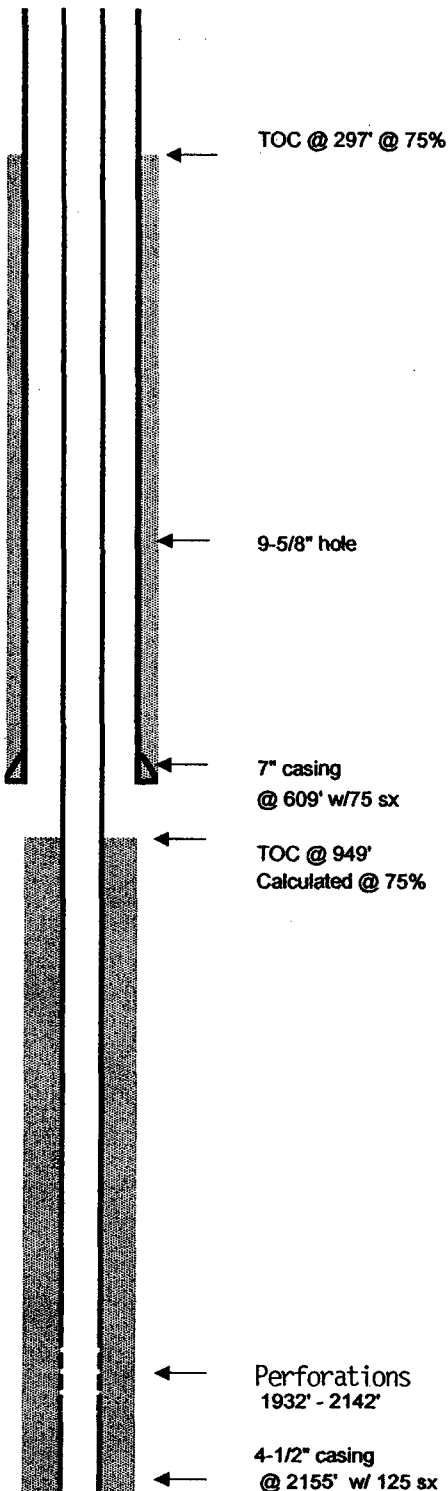
IPC tubing w/ plastic coated AD-1 packer set at 1830'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 3



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2156'
State:	N.M.	Drilling Commenced:	12/19/60
Twp/Rnge	T-17S, R-28E	Drilling Completed:	01/05/61
Section:	26	Date Well Plugged:	
Unit Letter:	N.	Longitude:	
Footages:	330'FSL & 1750' FEL	Latitude:	
25 miles SE of Big Spring			
Freshwater Depth:			
API #:	30-015-01565		
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
7"	9-5/8"	609'	75 sx	250'
4-1/2"	6-1/4"	2155'	125 sx	767'

Perforations			
Formations		Top	Bottom
San Andres		1932	2142

Comments

IPC tubing w/ Plastic coated AD-1 set at 1850'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

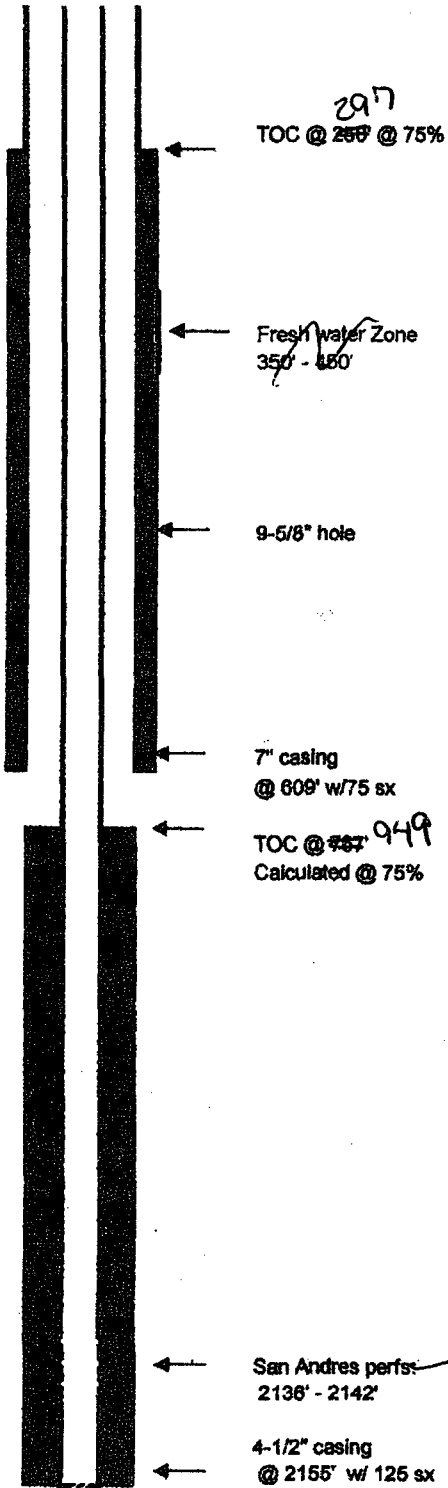
Current Wellbore

Artesia Unit # 3

Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2156'
State:	N.M.	Drilling Commenced:	12/18/60
Twp/Rnge	T-17S, R-28E	Drilling Completed:	01/05/61
Section:	26	Date Well Plugged:	
Unit Letter:	N.	Longitude:	
Footages:	330' FSL & 1750' FEL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01585	Freshwater Depth:	
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	9-5/8"	609'	75 sx	250'
4-1/2"	6-1/4"	2155'	125 sx	767'

Formations	Top	Bottom
San Andres	2136	2142



I PC + log set @ 1850' w/
plastic coated packer.
AD-1 packer

I also show perms @ 1932-38
1430-40
2039-46
2068-72

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 10

Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2215'
State:	N.M.	Drilling Commenced:	01/31/61
Twp/Rnge	T-17S, R-28E	Drilling Completed:	02/12/61
Section:	35	Date Well Plugged:	
Unit Letter:	C	Longitude:	
Footages:	360'FSL & 1950' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01749	Freshwater Depth:	350-450'
Lease or ID #:			

Casing

Size	Hole Size	Depth:	Cement	TOC:
7"	10-3/4"	580'	75 sx	345'
4-1/2"	6-1/4"	2214'	125 sx	826'

Perforations

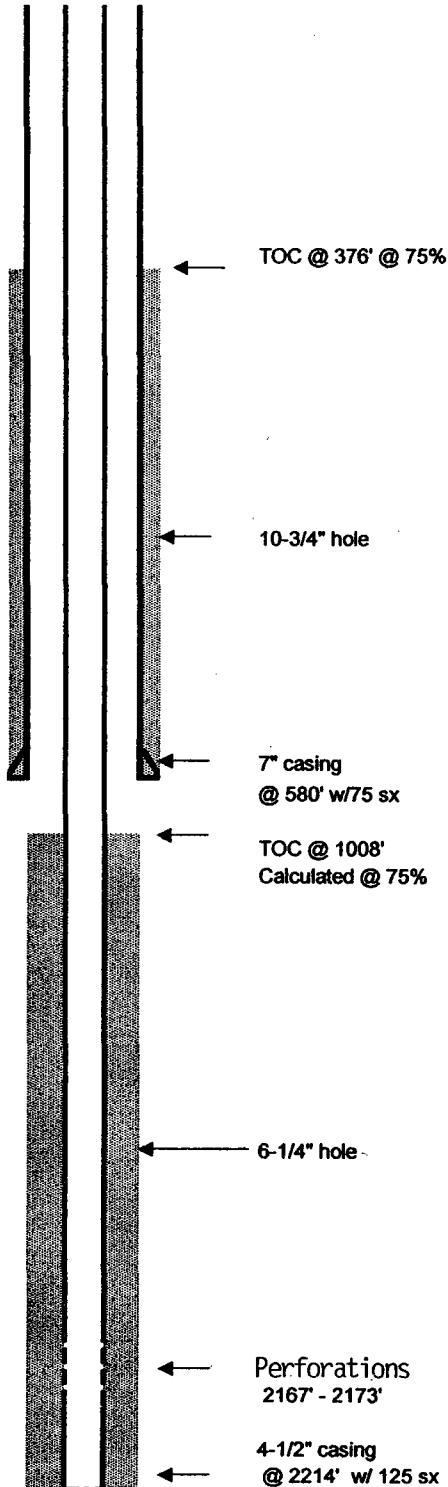
Formations	Top	Bottom
San Andres	2167	2173

Comments

Proposed additional perfs:

1959' - 72, 2092' - 95', 2063' - 70'

IPC tubing w/ plastic coated AD-1 packer set at 1880'



Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

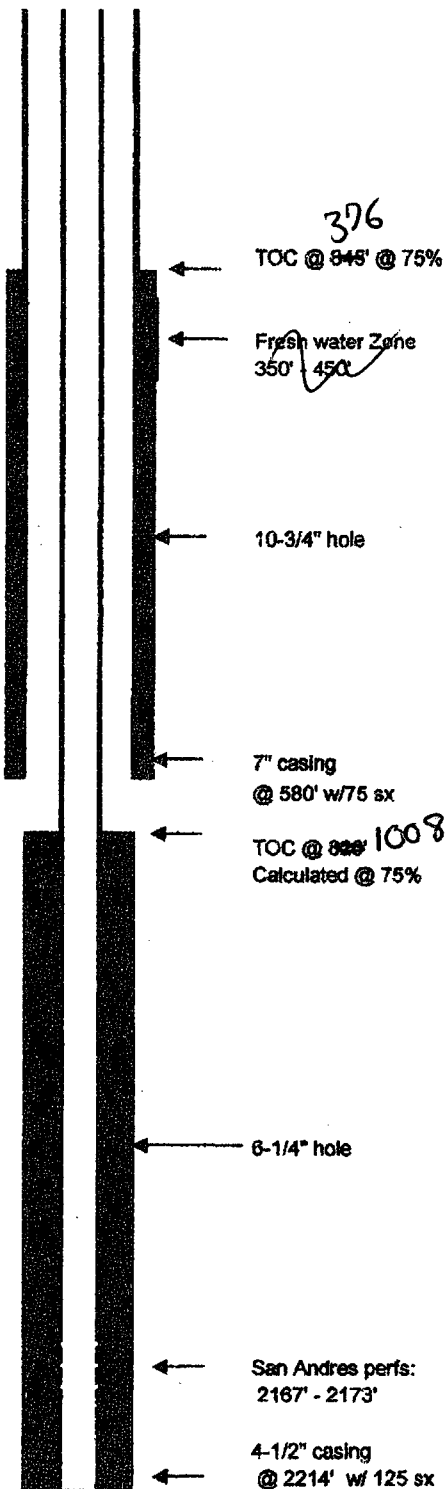
Current Wellbore

Artesia Unit # 10

Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2215'
State:	N.M.	Drilling Commenced:	01/31/81
Twp/Rnge	T-17S, R-28E	Drilling Completed:	02/12/81
Section:	35	Date Well Plugged:	
Unit Letter:	C	Longitude:	
Footages:	380' FSL & 1850' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01749	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	10-3/4"	580'	75 sx	345'
4-1/2"	6-1/4"	2214'	125 sx	826'

Formations	Top	Bottom
San Andres	2167	2173



Proposed Add'l Perfs.

1959-72

2092-95

2063-70

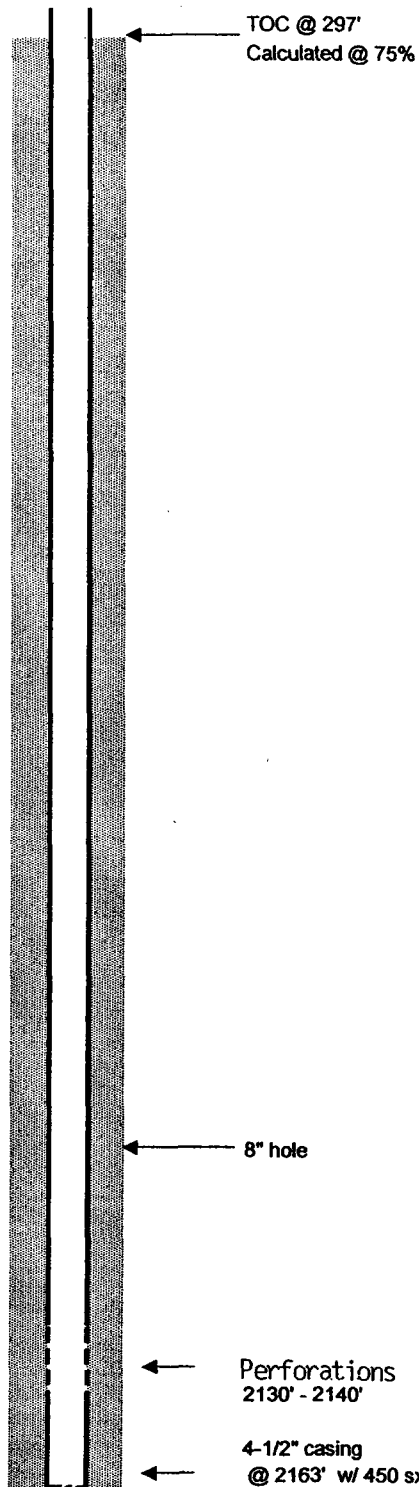
IPC tbg set @ 1880' u
plastic coated AD-1 packer

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 11



Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2166'
State:	N.M.	Drilling Commenced:	11/11/60
Twp/Rnge	T-17S, R-28E	Drilling Completed:	12/20/60
Section:	35	Date Well Plugged:	
Unit Letter:	D	Longitude:	
Footages:	360' FNL & 360' FWL	Latitude:	
25 miles SE of Big Spring		Freshwater Depth:	350-450'
API #:	30-015-02654		
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
No S.C.				
4-1/2"	8"	2163'	450 sx	14'

Perforations			
Formations		Top	Bottom
San Andres		2130	2140

Comments

Proposed additional perfs:

1914' - 30' , 2060' - 70'

IPC tubing w/ plastic coated AD-1 set at 1850'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 11

Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2163'
State:	N.M.	Drilling Commenced:	11/11/60
Twp/Rnge	T-17S, R-28E	Drilling Completed:	12/20/60
Section:	35	Date Well Plugged:	
Unit Letter:	D	Longitude:	
Footages:	360' FNL & 360' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-02854	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
No surface casing				
4-1/2"	8"	2163'	450 sx	14'

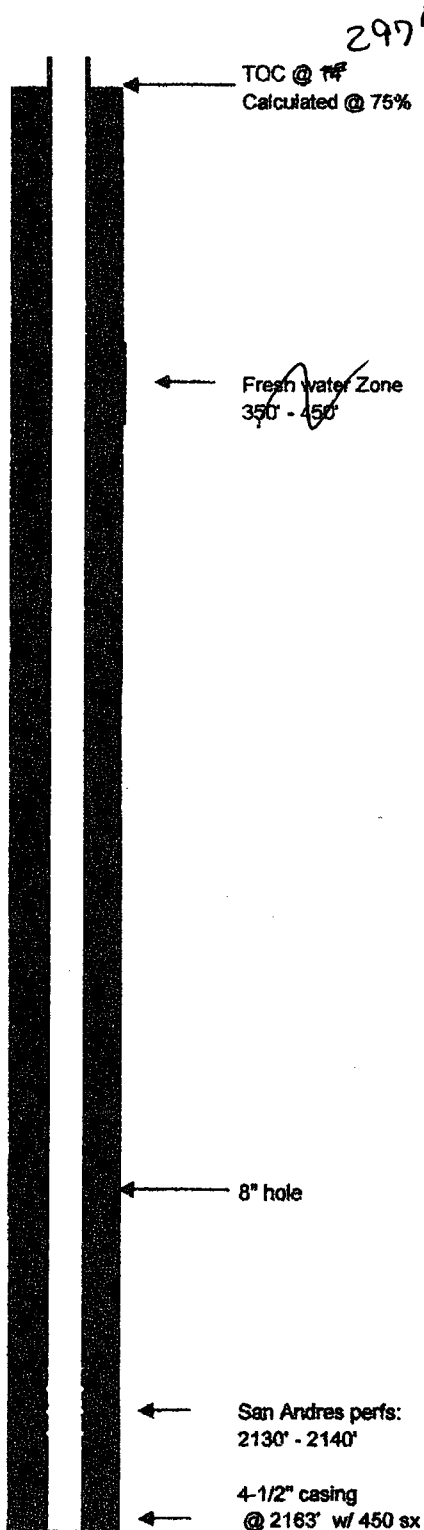
Formations	Top	Bottom
San Andres	2130	2140

Add'l Proposed Perfs.

1914-30'

2060-70

IBC tbg & plastic cased
 AP-1 packer to be set
 @ 1850'.

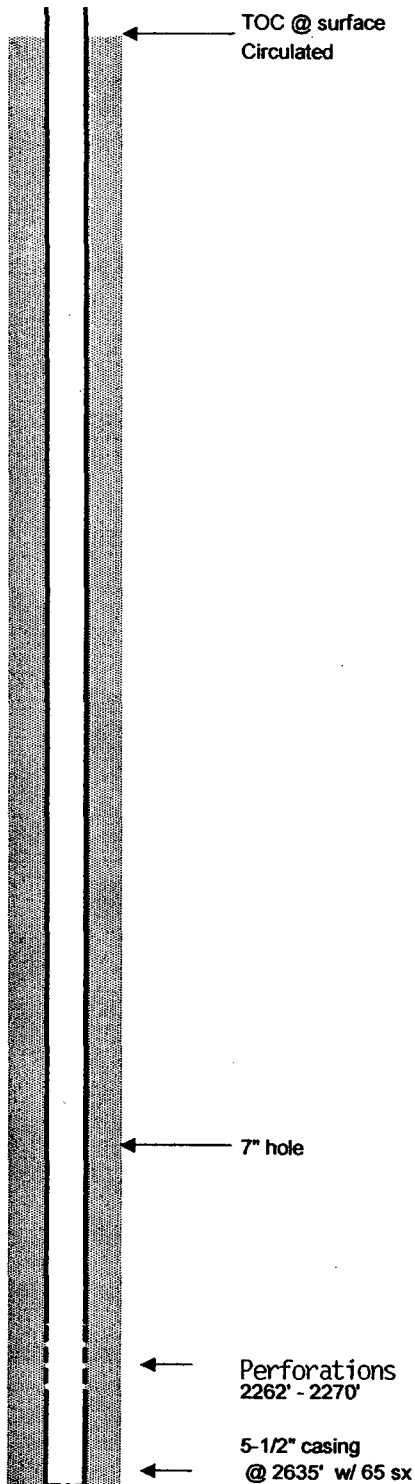


Prepared By: Bucky Ritchie
 Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 12



Field Name:	Artesia,Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2715'
State:	N.M.	Drilling Commenced:	09/05/54
Twp/Rnge	T-17S, R-28E	Drilling Completed:	12/10/54
Section:	35	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	1980' FNL & 660' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01745	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	607'	Mudded	Pulled
5-1/2"	7"	2635'	365"	surface

Perforations			
Formations		Top	Bottom
San Andres		2262	2270

Comments

4/17/01 - 4/23/01 - Operator perforated 5-1/2" and re-cemented casing with 300 sx Class "C" w/ 3% CaCl @ 15.4#/gal. Circulated 10 sx to pit. Ran bond log, top of cement at surface. Good bond through out. (See BJ Cementing report attached)

Proposed additional perfs:

1998' - 2010'
2120' - 28'
2152' - 60'
2246' - 60'
2270' - 90'

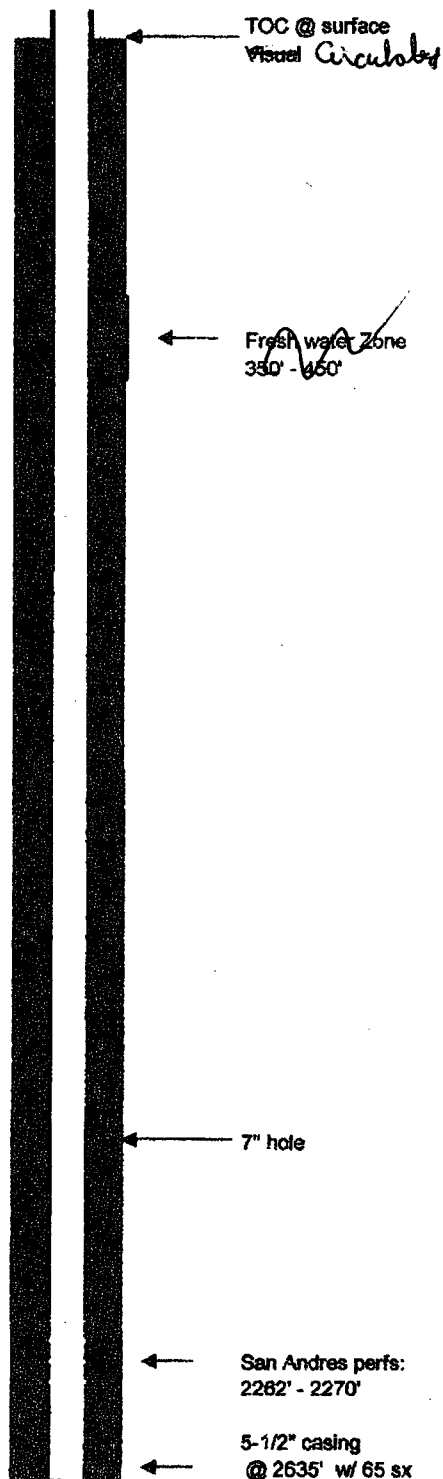
IPC tubing w/ plastic coated AD-1 packer set at 1940'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 12



Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2715'
State:	N.M.	Drilling Commenced:	09/05/54
Twp/Rnge	T-17S, R-28E	Drilling Completed:	12/10/54
Section:	35	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	1980' FNL & 680' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01745	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	607'	Mudded	Pulled
5-1/2"	7"	2635'	365"	surface

Formations	Top	Bottom
San Andres	2282	2270

4/17/01 - 4/23/01 - Operator perforated 5-1/2" and re-cemented casing with 300 sx Class "C" w/ 3% CaCl @ 15.4#/gal. Circulated 10 sx to pit. Ran bond log, top of cement at surface. Good bond through out. (See BJ Cementing report attached)

*Proposed
Add'l Perfs*

1998-2010

2120-28

2152-60

2246-60

2270-90.

*IBC Hg & AD-1 packer
set @ 1940'.*

Prepared By:

Bucky Ritchie

Date:

8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 13



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2900'
State:	N.M.	Drilling Commenced:	12/30/54
Twp/Rnge	T-17S, R-28E	Drilling Completed:	03/03/55
Section:	35	Date Well Plugged:	
Unit Letter:	F	Longitude:	
Footages:	1980' FNL & 1980' FWL	Latitude:	
25 miles SE of Big Spring		Freshwater Depth:	350-450'
API #:	30-015-01754		
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	11"	475'	Mudded	Pulled
5-1/2"	7"	2275'	80sx*	1830'

Perforations			
Formations		Top	Bottom
San Andres		2275	2300

Comments

4/30/01 - 5/15/01 - Operator perforated 5-1/2" @ 1800' and re-cemented casing with 800 sx 35/65 @ 12.6#/gal. & 200 sx Class "C". Circulated 125 sx to pit. Ran bond log, top of cement at surface. Good bond through out.

Proposed additional perfs:

2040' - 55'
2160' - 70'
2190' - 2200'

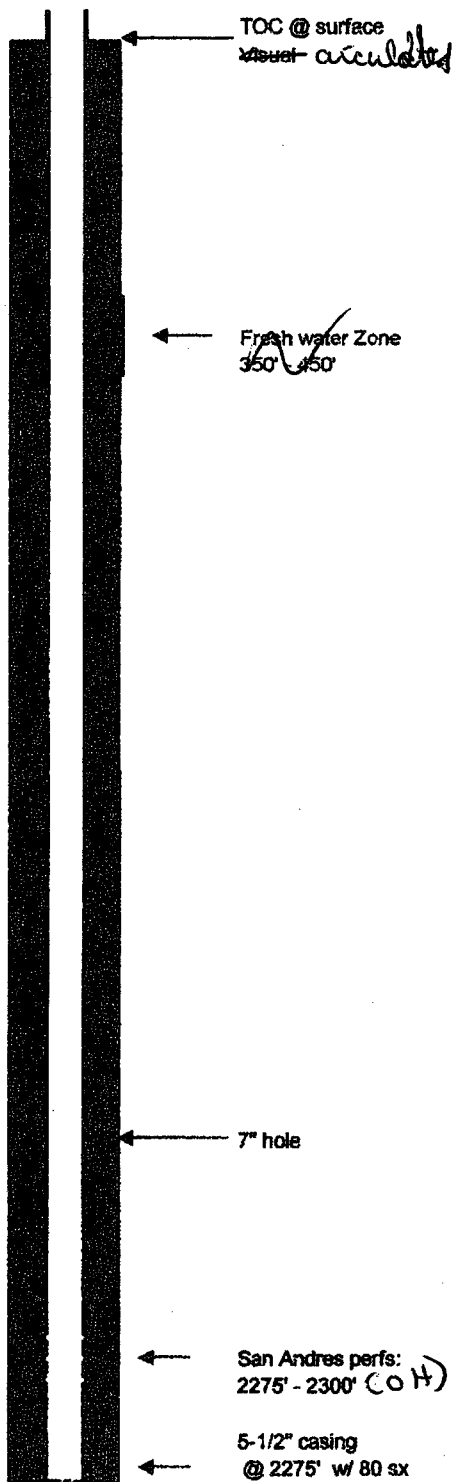
IPC tubing w/ plastic coated AD-1 packer set at 1990'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 13



Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2900'
State:	N.M.	Drilling Commenced:	12/30/54
Twp/Rnge	T-17S, R-28E	Drilling Completed:	03/03/55
Section:	35	Date Well Plugged:	
Unit Letter:	F	Longitude:	
Footages:	1980' FNL & 1980' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-016-01754	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	11"	475'	Mudded	Pulled
5-1/2"	7"	2275'	80sx	1830'

Formations	Top	Bottom
San Andres	2275	2300

4/30/01 - 5/15/01 - Operator perforated 5-1/2" @ 1800' and re-cemented casing with 800 sx 35/85 @ 12.6#/gal. & 200 sx Class "C". Circulated 125 sx to pit. Ran bond log, top of cement at surface. Good bond through out.

Estimated Proposed Add'l Perfs.

2040-55
2160-70
2190-2800.

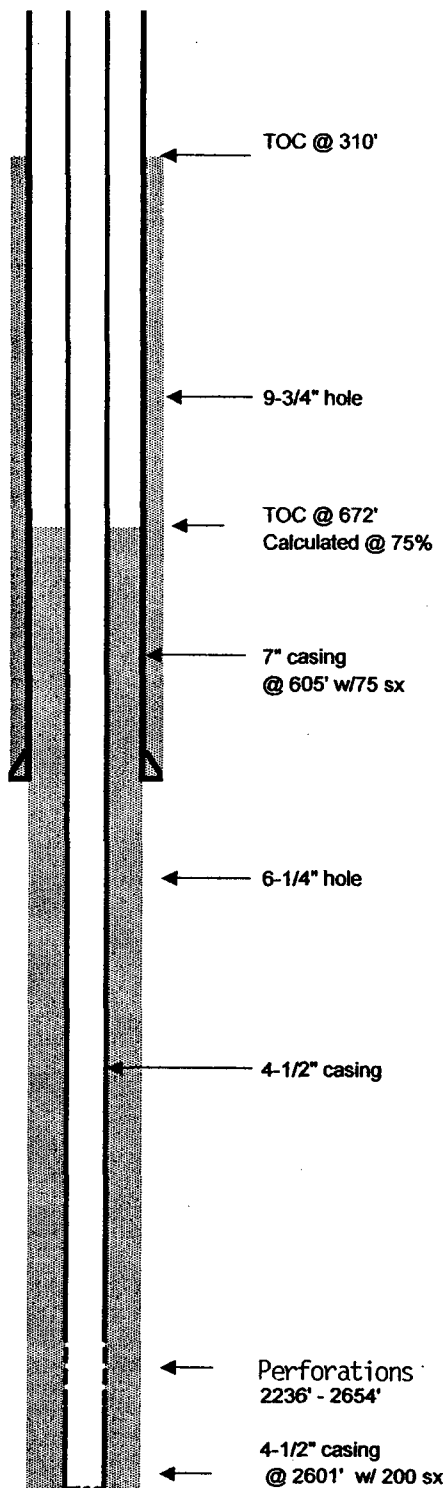
*IPC, Abq & AD-1 Packer
set @ 1990'.*

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 16



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2651'
State:	N.M.	Drilling Commenced:	02/19/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	03/13/57
Section:	36	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	1980'FNL & 660' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01759	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
7"	9-3/4"	605'	75 sx	265'
4-1/2"	6-1/4"	2601'	200 sx	380'

Perforations			
Formations		Top	Bottom
San Andres		2236	2654

Comments

Proposed additional perfs:

2360' - 70'

IPC tubing w/ plastic coated AD-1 packer set at 2156'

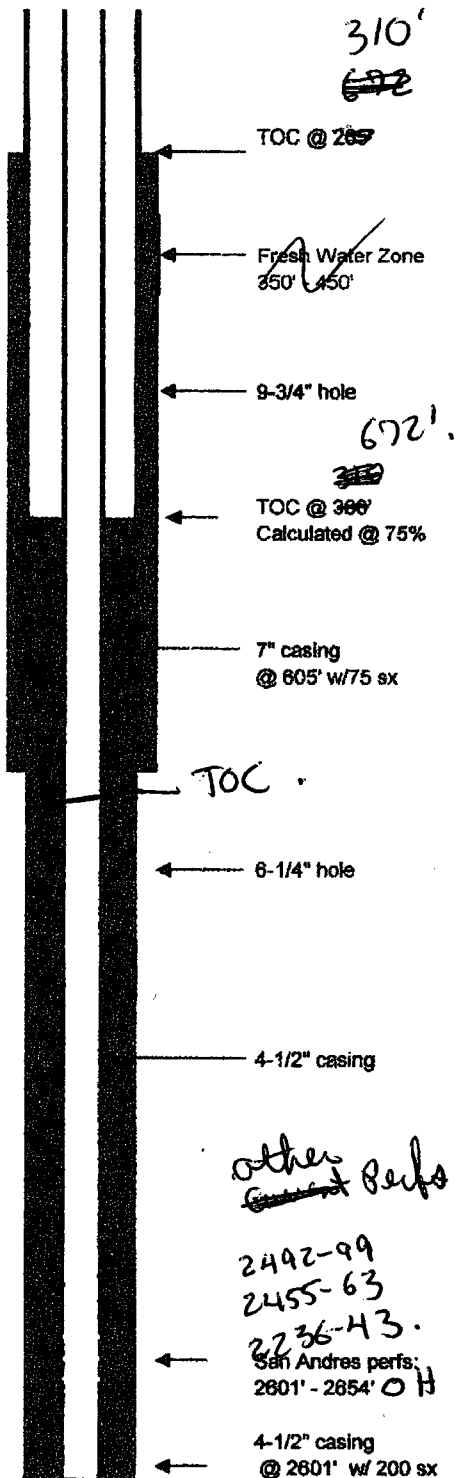
Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 16

Status is P&A'd but no plugs are on diagram.



Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2851'
State:	N.M.	Drilling Commenced:	02/19/67
Twp/Range	T-17S, R-28E	Drilling Completed:	03/13/57
Section:	36	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	1980' FNL & 860' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-016-01759	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	9-3/4"	805'	75 sx	285'
4-1/2"	6-1/4"	2601'	200 sx	360'

Formations	Top	Bottom
San Andres	2801	2854

Estimated Add'l Proposed Perfs.

2360-70

IPC Htg 8 AD-1 packer
set @ 2280'.

other
San Andres Perfs.

2492-99
2455-63
2236-43.
San Andres perfs:
2601' - 2854' OH

4-1/2" casing
@ 2601' w/ 200 sx

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 17

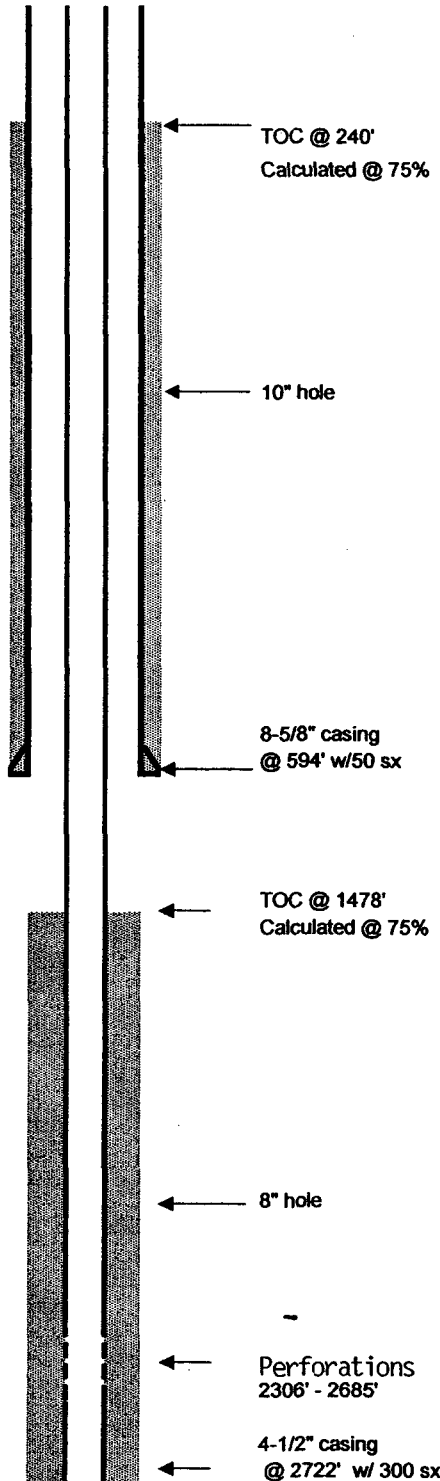
Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2725'
State:	N.M.	Drilling Commenced:	04/03/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	05/27/57
Section:	36	Date Well Plugged:	
Unit Letter:	F	Longitude:	
Footages:	1980'FNL & 1980' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01761	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	594'	50 sx	186'
4-1/2"	8"	2722'	300 sx	1289'

Perforations			
Formations		Top	Bottom
San Andres		2306	2685

Comments

IPC tubing w/ plastic coated AD-1 packer set at 2260'

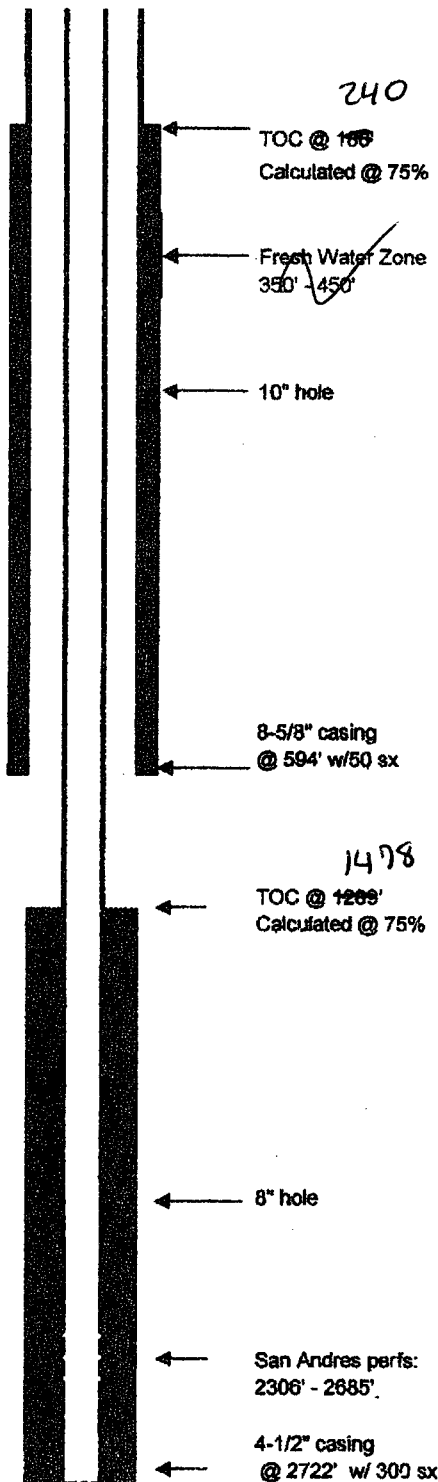


Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 17



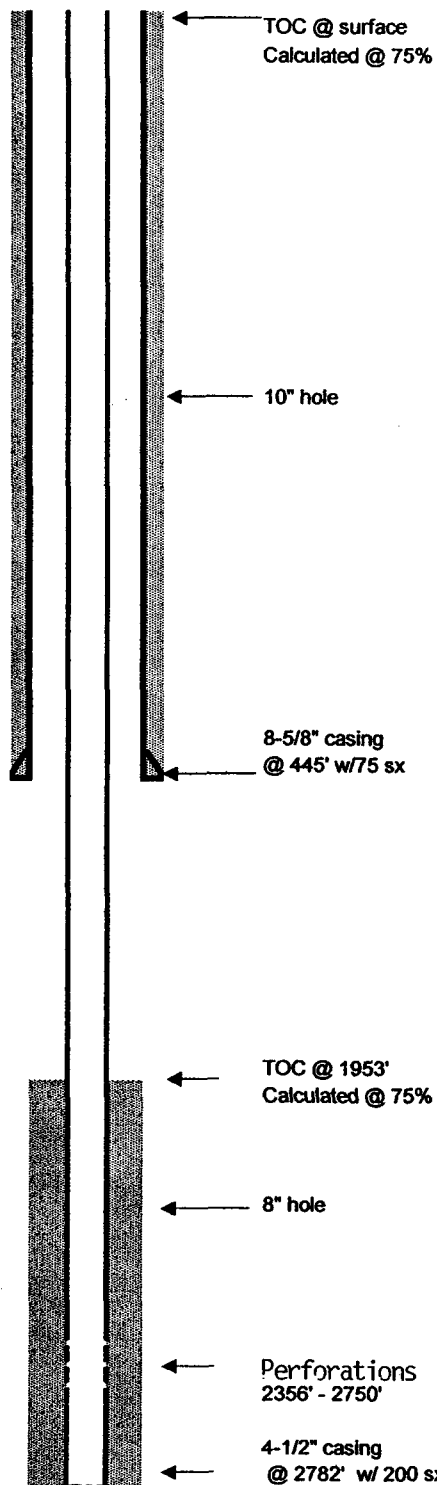
Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2725'
State:	N.M.	Drilling Commenced:	04/03/57
Twps/Rnge	T-17S, R-28E	Drilling Completed:	05/27/57
Section:	36	Date Well Plugged:	
Unit Letter:	F	Longitude:	
Footages:	1980' FNL & 1980' FWL	Latitude:	
25 miles SE of Big Spring		Freshwater Depth:	450' - 450'
API #:	30-015-01761		
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	594'	50 sx	186'
4-1/2"	8"	2722'	300 sx	1289'

Formations	Top	Bottom
San Andres	2306	2685

IPC tag & AD-1 pk
set @ 2260.

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company**Current Wellbore****Artesia Unit # 18**

Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2784'
State:	N.M.	Drilling Commenced:	04/06/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	06/10/57
Section:	36	Date Well Plugged:	
Unit Letter:	K	Longitude:	
Footages:	1980' FSL & 1980' FWL	Latitude:	
25 miles SE of Big Spring		Freshwater Depth:	350-450'
API #:	30-015-01762		
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	445'	75 sx	surface
4-1/2"	8"	2782'	200 sx	1827'

Perforations			
Formations		Top	Bottom
San Andres		2356	2750

Comments

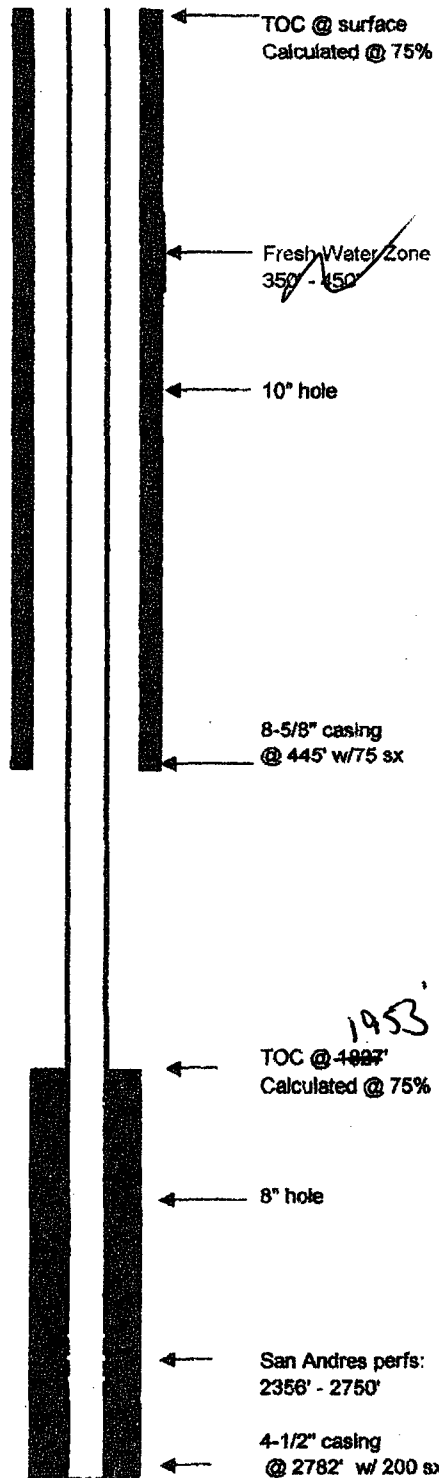
IPC tubing w/ plastic coated AD-1 packer set at 2290'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 18



Field Name:	Artesia Queen-Grayburg-S/A	Well Type:	Or
County:	Eddy	Depth:	2784'
State:	N.M.	Drilling Commenced:	04/08/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	08/10/57
Section:	38	Date Well Plugged:	
Unit Letter:	K	Longitude:	
Footages:	1980' FSL & 1980' FWL	Latitude:	
	25 miles SE of Big Spring		
API #:	30-015-01762	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-5/8"	10"	445'	75 sx	surface
4-1/2"	8"	2782'	200 sx	1827'

Formations	Top	Bottom
San Andres	2356	2750

IPC tbg & AD-1 packer
set @ 2290'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 19

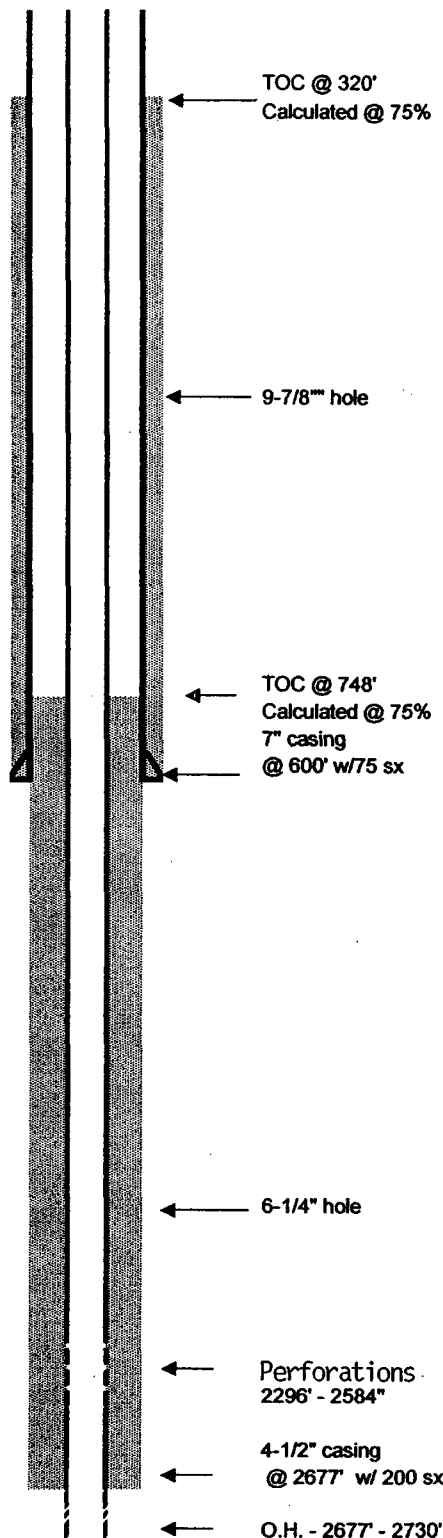
Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2730'
State:	N.M.	Drilling Commenced:	02/25/57
Twp/Rnge	T-17S, R-28E	Drilling Completed:	03/16/57
Section:	36	Date Well Plugged:	
Unit Letter:	L	Longitude:	
Footages:	1980' FSL & 660' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01760	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
7"	9-7/8"	600'	75 sx	277'
4-1/2"	6-1/4"	2677'	200 sx	456'

Perforations			
Formations		Top	Bottom
San Andres		2296	2730

Comments

IPC tubing w/ plastic coated AD-1 packer set at 2240'

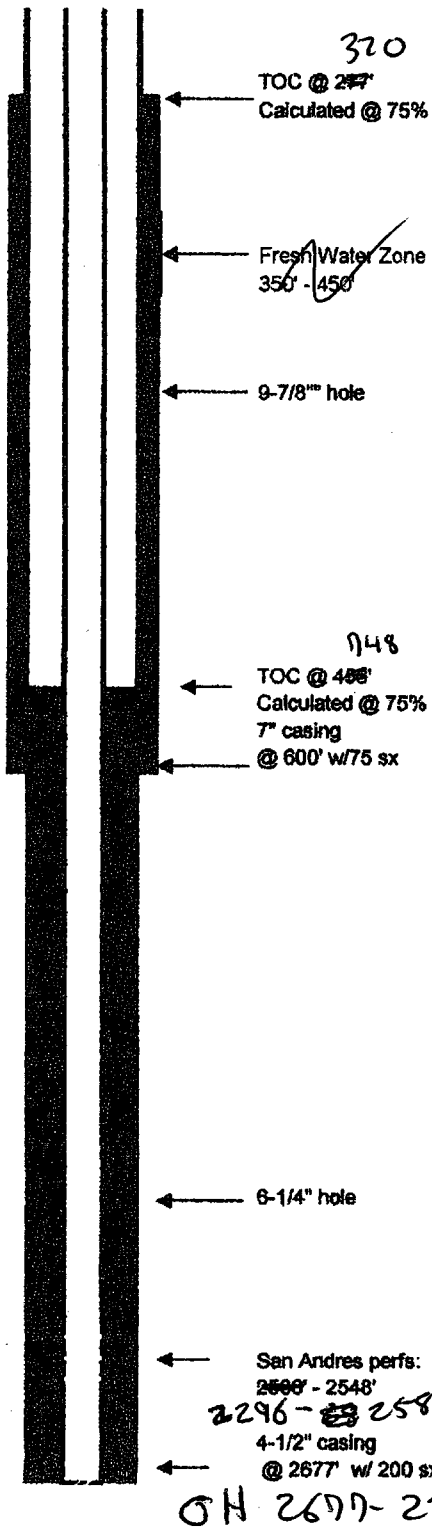


Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 19



Field Name:	Artesia; Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2730'
State:	N.M.	Drilling Commenced:	02/25/57
Twps/Rngs:	T-17S, R-28E	Drilling Completed:	03/18/57
Section:	36	Date Well Plugged:	
Unit Letter:	L	Longitude:	
Footages:	1980' FSL & 860' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01760	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	9-7/8"	600'	75 sx	277'
4-1/2"	6-1/4"	2677'	200 sx	456'

Formations	Top	Bottom
San Andres	2536	2548

IPC hby & AD-1 packer
set @ 2240'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 44

Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2430'
State:	N.M.	Drilling Commenced:	
Twp/Rnge	T-18S, R-28E	Drilling Completed:	12/10/56
Section:	3	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	2310' FNL & 990' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01796	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
4-1/2"	6-1/4"	2302'	150 sx	1510'

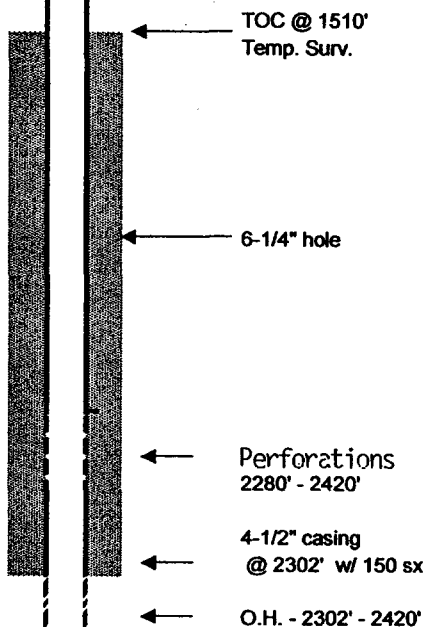
Perforations			
Formations		Top	Bottom
San Andres		2280	2420

Comments

Proposed additional perms:

2085' - 2100'

IPC tubing w/ plastic coated AD-1 set at 2025'



Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

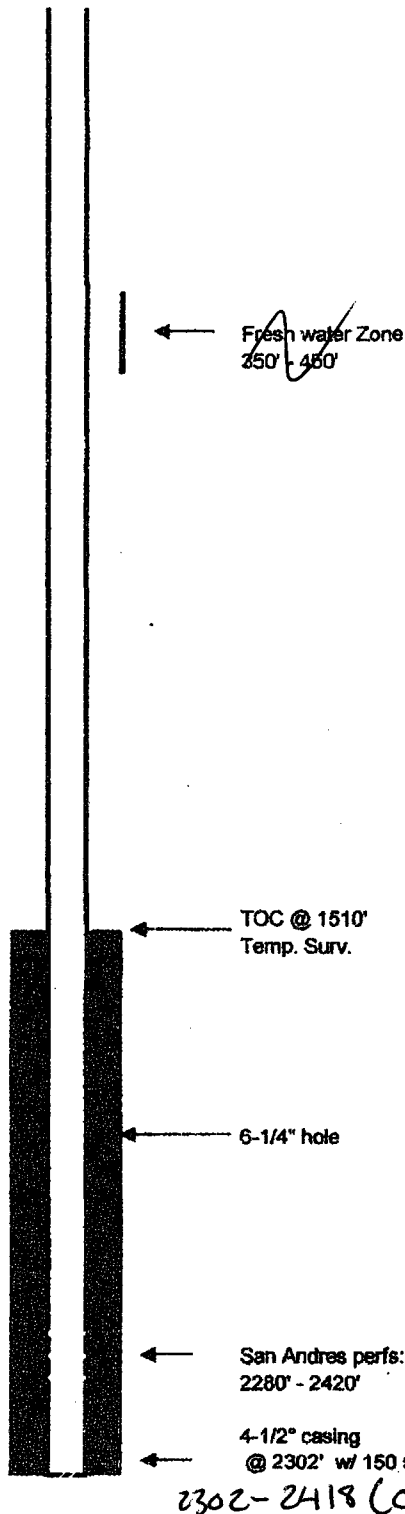
Current Wellbore

Artesia Unit # 44

Field Name:	Artesia-Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2430'
State:	N.M.	Drilling Commenced:	
Twp/Rnge	T-18S, R-28E	Drilling Completed:	12/10/58
Section:	3	Date Well Plugged:	
Unit Letter:	E	Longitude:	
Footages:	2310' FNL & 990' FWL	Latitude:	
25 miles SE of Big Spring		Freshwater Depth:	350-450'
API #:	30-015-01798		
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
4-1/2"	6-1/4"	2302'	150 sx	1510'

Formations	Top	Bottom
San Andres	2280	2420



Proposed additional Perfs.
2085-2100'.

IPC Hbg & AD1 packer
set @ 2025'.

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 46

Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2563'
State:	N.M.	Drilling Commenced:	08/20/55
Twp/Rnge	T-18S, R-28E	Drilling Completed:	09/30/55
Section:	3	Date Well Plugged:	
Unit Letter:	F	Longitude:	
Footages:	2310' FNL & 2267' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-02541	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
5-1/2"	8"	2453'	125 sx	1679'

Perforations			
Formations		Top	Bottom
San Andres		2370	2419

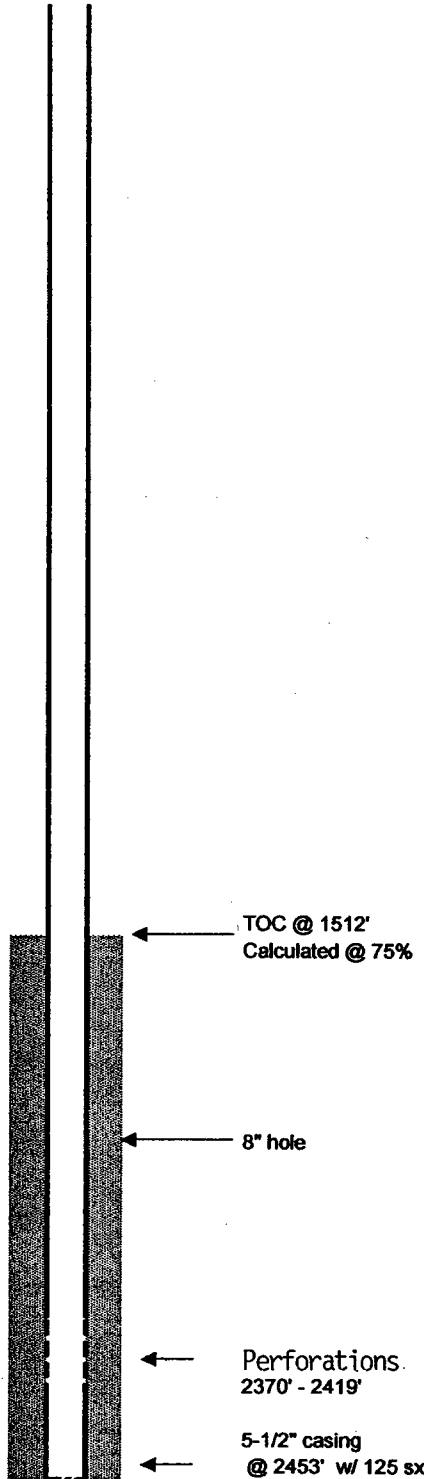
Comments

Squeeze Penrose perms at 1847' - 55'

Proposed additional perms:

2125' - 40'

IPC tubing w/ plastic coated AD-1 packer set at 2075'



Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

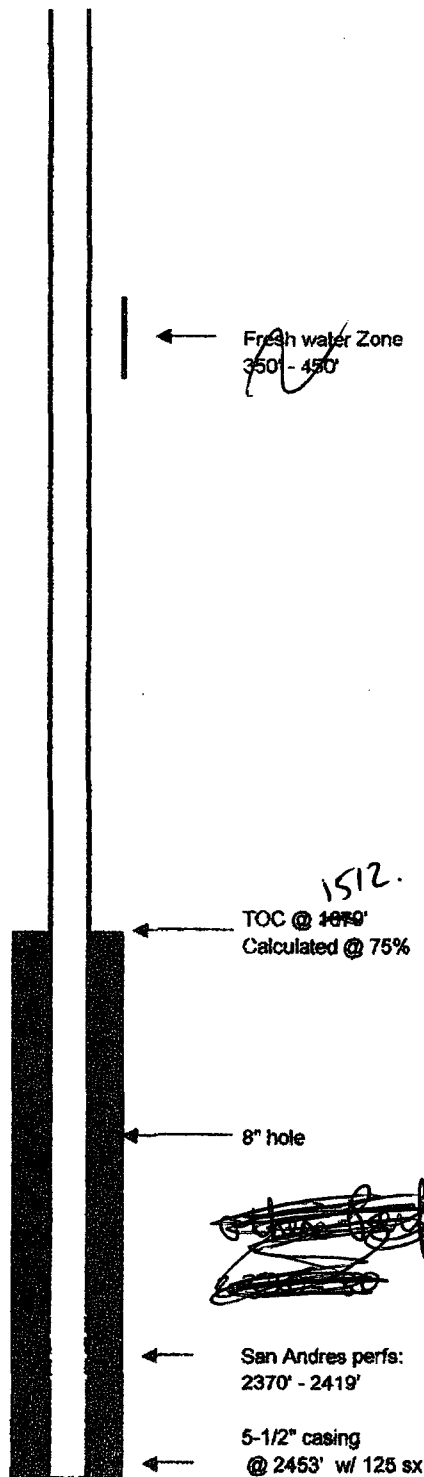
Current Wellbore

Artesia Unit # 46

Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2583'
State:	N.M.	Drilling Commenced:	08/20/55
Twp/Rnge	T-18S, R-28E	Drilling Completed:	09/30/55
Section:	3	Date Well Plugged:	
Unit Letter:	F	Longitude:	
Footages:	2310' FNL & 2287' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-02541	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
5-1/2"	8"	2453'	125 sx	1679'

Formations	Top	Bottom
San Andres	2370	2419



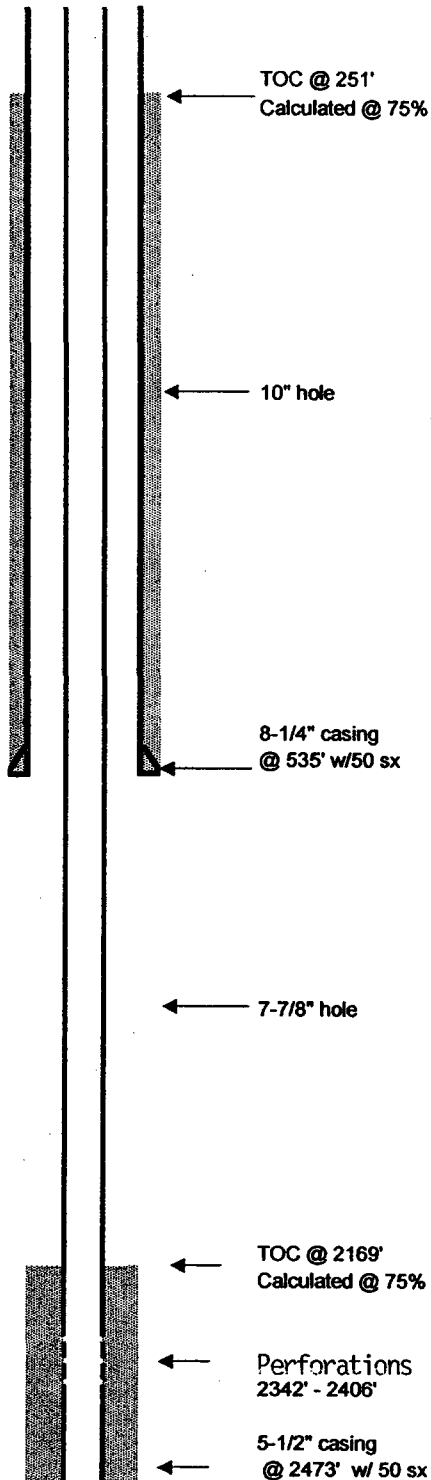
Squency Penrose perfs @
1847-55.
Add perfs @ 2125-40!
IPC tby ^{\$AD1 per} set @ 2075'.

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 54



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2473'
State:	N.M.	Drilling Commenced:	07/12/55
Twp/Rnge	T-18S, R-28E	Drilling Completed:	08/04/55
Section:	3	Date Well Plugged:	
Unit Letter:	K	Longitude:	
Footages:	1654'FSL & 2272' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01801	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
8-1/4"	10"	535'	50 sx	208'
5-1/2"	7-7/8"	2473'	50 sx	2144'

Perforations			
Formations		Top	Bottom
San Andres		2342	2406

Comments

Proposed additional perfs:

2170' - 2200'

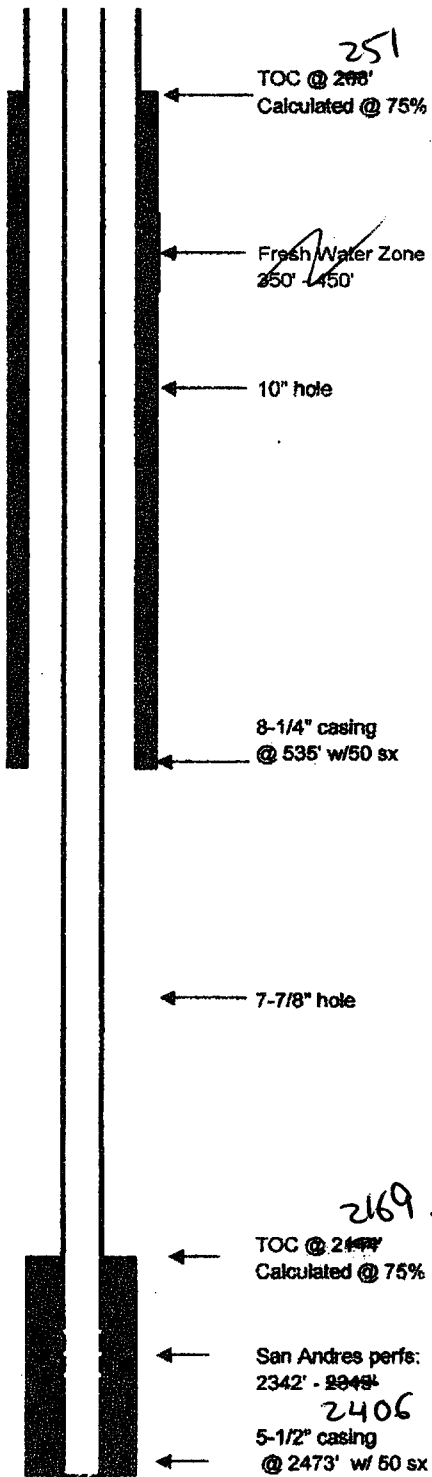
IPC tubing w/ plastic coated AD-1 packer set at 2120'

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 54



Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2473'
State:	N.M.	Drilling Commenced:	07/12/55
Twp/Range	T-18S, R-28E	Drilling Completed:	08/04/55
Section:	3	Date Well Plugged:	
Unit Letter:	K	Longitude:	
Footages:	1854' FSL & 2272' FWL	Latitude:	
26 miles SE of Big Spring		Freshwater Depth:	350-450'
API #:	30-015-01801		
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
8-1/4"	10"	535'	50 sx	208'
5-1/2"	7-7/8"	2473'	50 sx	2144'

Formations	Top	Bottom
San Andres	2342	2349

Estimated Additional Proposed
perms - 2170 - 2200

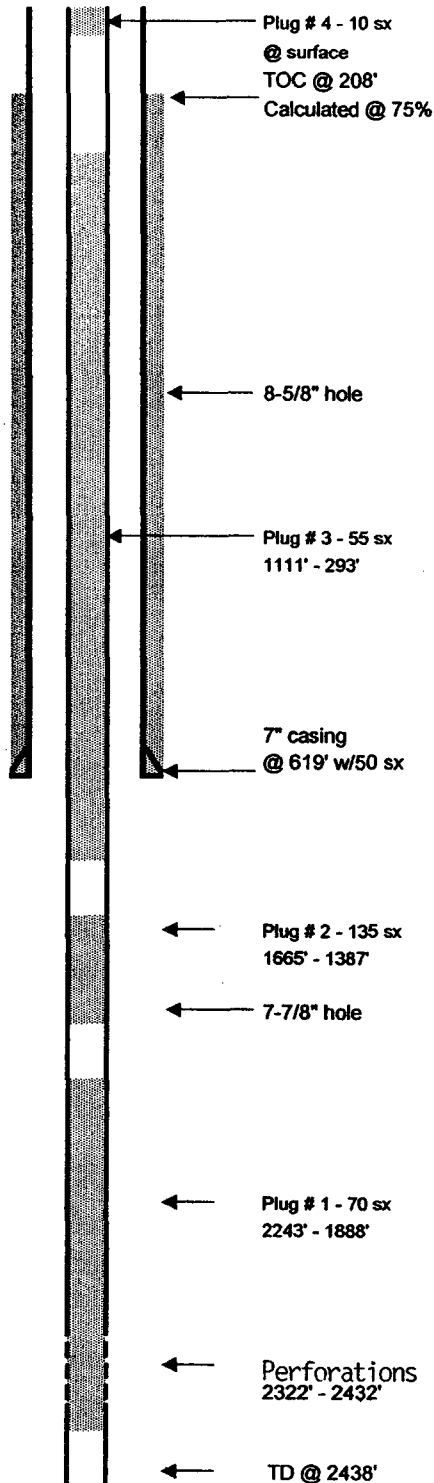
IPC Abq & AD-1 perms
set @ 2120'.

Prepared By: Bucky Ritchie
Date: 8/28/01

Melrose Operating Company

Current Wellbore

Artesia Unit # 57



Field Name:	Artesia;Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2438'
State:	N.M.	Drilling Commenced:	
Twp/Rnge	T-18S, R-28E	Drilling Completed:	08/23/27
Section:	3	Date Well Plugged:	
Unit Letter:	L	Longitude:	
Footages:	1570'FSL & 1070' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01795	Freshwater Depth:	350-450'
Lease or ID #:			

Casing				
Size	Hole Size	Depth:	Cement	TOC:
7"	8-5/8"	619'	50 sx	208'

Perforations			
Formations		Top	Bottom
San Andres		2342	2349

Comments

Plugs:

70 sx Class C from 2243' - 1888'
 135 sx Class C from 1665' - 1387'
 55 sx Class C from 1111' - 293'
 10 sx plug at surface w/ marker.

Note:

May re-drill this well instead of re-entering

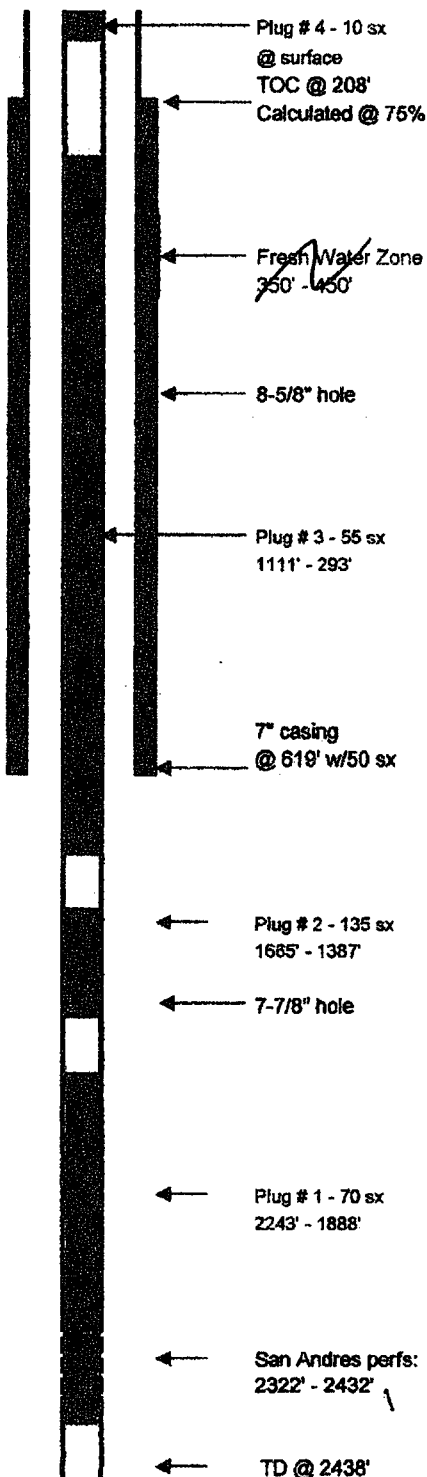
Prepared By: Bucky Ritchie
 Date: 8/28/01

Tony do you re-enter or redrill

Melrose Operating Company

Current Wellbore

Artesia Unit # 57



Field Name:	Artesia, Queen-Grayburg-S/A	Well Type:	Oil
County:	Eddy	Depth:	2438'
State:	N.M.	Drilling Commenced:	
Twp/Rnge	T-18S, R-28E	Drilling Completed:	08/23/27
Section:	3	Date Well Plugged:	
Unit Letter:	L	Longitude:	
Footages:	1570' FSL & 1070' FWL	Latitude:	
25 miles SE of Big Spring			
API #:	30-015-01795	Freshwater Depth:	350-450'
Lease or ID #:			

Size	Hole Size	Depth:	Cement	TOC:
7"	8-5/8"	619'	50 sx	208'

Formations	Top	Bottom
San Andres	2342	2349

Plugs:

70 sx Class C from 2243' - 1888'
 135 sx Class C from 1685' - 1387'
 55 sx Class C from 1111' - 293'
 10 sx plug at surface w/ marker.

may redrill this well instead of re-entering.

Prepared By: Bucky Ritchie
 Date: 8/28/01