

State of New Mexico Energy, Minerals and Natural Resources

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

811 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

WELL API NO. 30-025-34582
5. Indicate Type of Lease [] STATE [X] FEE
6. State Oil & Gas Lease No. 24282

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: [X] OIL WELL [] GAS WELL [] DRY [] OTHER
b. Type of Completion: [] New Well [X] Workover [] Deepen [] Plug Back [] Diff. Resvr. [] Other

2. Name of Operator Apache Corporation
8. Well No. 5

3. Address of Operator 2000 Post Oak Blvd., Ste. 100, Houston, Texas 77056-4400
9. Pool name or Wildcat Penrose; Skelly (Grayburg)

4. Well Location Unit Letter Lot 3 : 510 Feet From The North Line and 1980 Feet From The West Line
Section 4 Township 22S Range 37E NMPM Lea County

10. Date Spudded 11. Date T.D. Reached 12. Date Compl. (Ready to Prod.) 11/19/99
13. Elevations (DF& RKB, RT, GR, etc.) 3453' GR 14. Elev. Casinghead

15. Total Depth 3950 16. Plug Back T.D. 3930 17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By Rotary Tools Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name Grayburg 3678 - 3920
20. Was Directional Survey Made

21. Type Electric and Other Logs Run 22. Was Well Cored

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

Table with 6 columns: CASING SIZE, WEIGHT LB./FT., DEPTH SET, HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 8-5/8, 5-1/2 casing sizes.

24. LINER RECORD and 25. TUBING RECORD tables with columns for SIZE, TOP, BOTTOM, SACKS CEMENT, SCREEN, DEPTH SET, PACKER SET.

26. Perforation record (interval, size, and number) Grayburg 3678-80, 83-88, 94-99, 3702-10, 17-60 - 4" - 284 Holes (Existing)
3840-54, 84-96, 3907-20 - 4" - 159 Holes (New)
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. 3840 - 3920 Acidize w/ 2000 gals 15% HCL

28. PRODUCTION Date First Production RTP 11/19/99 Production Method Pumping - 1.5" Rod Insert Well Status Producing
Date of Test, Hours Tested, Choke Size, Prod'n For, Oil - Bbl., Gas - MCF, Water - Bbl., Gas - Oil Ratio

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief
Signature Debra J. Anderson Printed Name Debra J. Anderson Title Sr. Engr. Tech. Date 2/17/00

INSTRUCTIONS

This form is to filed with the appropriate District Office of the Division Office not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. Rustler _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, 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 _____

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology



Submit 3 Copies to Appropriate District Office

State of New Mexico Energy, Minerals and Natural Resources

FORM C-103 Revised March 25, 1999

- DISTRICT I 1625 N. French Dr., Hobbs, NM 88240
DISTRICT II 811 South First, Artesia, NM 88210
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

WELL API NO. 30-025-34582
5. Indicate Type of Lease [] STATE [X] FEE
6. State Oil & Gas Lease No. 24282
7. Lease Name or Unit Agreement Name Rinewalt
8. Well No. 5
9. Pool name or Wildcat Penrose; Skelly (Grayburg) (50350)
10. Elevation (Show whether DP, RKB, RT, GR, etc.) 3453' GR

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: [X] OIL WELL [] GAS WELL [] OTHER

2. Name of Operator Apache Corporation

3. Address of Operator 2000 Post Oak Blvd., Ste. 100, Houston, Texas 77056-4400

4. Well Location Unit Letter Lot 3 : 510 Feet From The North Line and 1980 Feet From The West Line Section 4 Township 22S Range 37E NMFM Lea County

10. Elevation (Show whether DP, RKB, RT, GR, etc.) 3453' 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 Operations [] Plug and Abandonment [] Casing Test and Cement Job [X] Other Add Perforations & Acidize

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 recompletion.
11/18/99 Perforate Penrose; Skelly (Grayburg) pool @ 3840-54, 84-96, 3907-20
11/19/99 Acidize w / 2000 gals 15% HCL & RTP

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE [Signature] TITLE Sr. Engineering Technician DATE 2/17/00
TYPE OR PRINT NAME Debra J. Anderson TELEPHONE NO.
APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE MAR 06 2000
CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies to Appropriate District Office

State of New Mexico Energy, Minerals and Natural Resources

FORM C-103 Revised March 25, 1999

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240
DISTRICT II 811 South First, Artesia, NM 88210
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

WELL API NO. 30-025-34582
5. Indicate Type of Lease STATE FEE
6. State Oil & Gas Lease No. 24282
7. Lease Name or Unit Agreement Name Rinewalt
8. Well No. 5
9. Pool name or Wildcat Penrose; Skelly Grayburg (50350)

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 Apache Corporation

3. Address of Operator 2000 Post Oak Blvd., Ste. 100, Houston, Texas 77056-4400

4. Well Location Unit Letter Lot 3 : 510 Feet From The North Line and 1980 Feet From The West Line Section 4 Township 22S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3453' GR

11. 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 Add Perforations
SUBSEQUENT REPORT OF: Remedial Work, Commence Drilling Operations, 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 recompletion.

Apache proposes to add perforations to the referenced well at 3840-54, 3884-96, 3907-20 and acidize

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Debra J. Anderson TITLE Sr. Engineering Technician DATE 11/30/99
TYPE OR PRINT NAME Debra J. Anderson TELEPHONE NO. 713-296-6338
APPROVED BY Chris Williams TITLE DISTRICT 1 SUPERVISOR DATE DEC 13 1999

District I
P.O. Box 1980, Hobbs, NM 88241-1980

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

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

District IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Apache Corporation 2000 Post Oak Blvd, Suite 100 Houston, TX 77056-4400		² OGRID Number 000873
		³ Reason for Filing Code NW
⁴ API Number 30-025-34582	⁵ Pool Name Penrose Skelly; Grayburg	⁶ Pool Code 50350
⁷ Property Code 23110	⁸ Property Name Rinewalt	⁹ Well Number 5

¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lot 3	4	22S	37E		510	N	1980	W	Lea

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Lse Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ 29 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
034053	Plains Marketing & Transportation 500 Dallas, Suite 700 Houston, TX 77002	2263210	O	
020809	Sid Richardson Gasoline Co. 201 Main St., Suite 3000 Ft. Worth, TX 76102	2266830	G	

IV Produced Water

²³ POD 2263250	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date 3/9/99	²⁶ Ready Date 3/27/99	²⁷ TD 3950'	²⁸ PBDT 3858	²⁹ Perforations 3678-3760'
³⁰ Hole Size 12-1/4" 7-7/8"	³¹ Casing & Tubing Size 8-5/8" 5-1/2"	³² Depth Set 1037' 3950'	³³ Sacks Cement 490 SXS; CIRC W/105 SXS 950 SXS; CIRC W/100 SXS	

VI Well Test Data

³⁴ Date New Oil 3/29/99	³⁵ Gas Delivery Date 3/29/99	³⁶ Test Date 4/11/99	³⁷ Test Length 24 HRS	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size -	⁴¹ Oil 14	⁴² Water 86	⁴³ Gas 98	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Pamela M. Leighton*
Printed Name: Pamela M. Leighton
Title: Regulatory Analyst
Date: 5/12/99
Phone: 713-296-7120

OIL CONSERVATION DIVISION
Approved by: *Gary W. Wink*
Title: GARY W. WINK
Approved: FIELD REPRESENTATIVE II
JUN 02 1999

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature:	Printed Name	Title	Date
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Submit to Appropriate
District Office
State Lease-6 copies
Fee Lease-5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

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

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

WELL API NO.
30-025-34582

5. Indicate Type of Lease
 STATE FEE

6. State Oil & Gas Lease No.
24282

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
 OIL WELL GAS WELL DRY OTHER

b. Type of Completion:
 New Well Workover Deepen Plug Back Diff. Resvr. Other

7. Lease Name or Unit Agreement Name
Rinewalt

2. Name of Operator
Apache Corporation

8. Well No.
5

3. Address of Operator
2000 Post Oak Blvd., Ste. 100, Houston, Texas 77056-4400

9. Pool name or Wildcat
Penrose; Skelly (Grayburg)

4. Well Location
Unit Letter **Lot 3** : **510** Feet From The **North** Line and **1980** Feet From The **West** Line
Section **4** Township **22S** Range **37E** NMPM **Lea** County

10. Date Spudded 3/9/99	11. Date T.D. Reached 3/19/99	12. Date Compl. (Ready to Prod.) 3/27/99	13. Elevations (DF&RRB, RT, GR, etc.) 3453' GR	14. Elev. Casinghead
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15. Total Depth 3950	16. Plug Back T.D. 3858	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools X	Cable Tools
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19. Producing Interval(s), of this completion - Top, Bottom, Name
Grayburg 3678 - 3760

20. Was Directional Survey Made
NO

21. Type Electric and Other Logs Run
GR-CNL / GR-AZL

22. Was Well Cored
NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	1037	12-1/4	490 sx / Circulated 105 sx	
5-1/2"	17#	3950	7-7/8	950 sx / Circulated 100 sx	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8	3811	

26. Perforation record (interval, size, and number)
Grayburg 3678-80, 83-88, 94-99, 3702-10, 17-60 - 4" - 284 Holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3678 - 3760	Acidize w / 2600 gals 15% HCL
	Frac w / 48516 gals gel & 70000# 16/30 sand

PRODUCTION

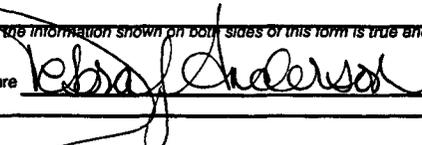
First Production 9/99	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - 1.5" Rod Insert				Well Status (Prod. or Shut-in) Producing	
of Test 1/99	Hours Tested 24	Choke Size	Prod'n For Test Period 14	Oil - Bbl. 98	Gas - MCF 86	Water - Bbl. 7000
tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 39.4

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

Test Witnessed By
Apache Corporation

Attachments

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

Signature 

Printed Name

Debra J. Anderson

Title

Engineering Tech.

Date **4/20/99**

District I
P.O. Box 1980, Hobbs, NM 88241-1980

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

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

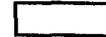
District IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
2040 South Pacheco
Santa Fe, NM 87505



AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Apache Corporation 2000 Post Oak Blvd, Suite 100 Houston, TX 77056-4400		² OGRID Number 000873
⁴ API Number 30-025-34582		³ Reason for Filing Code RT 400 BBLS March, 1999
⁵ Pool Name Penrose Skelly; Grayburg	⁶ Pool Code 50350	
⁷ Property Code 23110	⁸ Property Name Rinewalt	⁹ Well Number 5

10 Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lot 3	4	22S	37E		510	N	1980	W	Lea

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code P	¹³ Producing Method Code P		¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ 29 Effective Date	¹⁷ C-129 Expiration Date			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
034053	Plains Marketing & Transportation 500 Dallas, Suite 700 Houston, TX 77002	2263210	O	
020809	Sid Richardson Gasoline Co. 201 Main St., Suite 3000 Ft. Worth, TX 76102	2266830	G	

IV Produced Water

²³ POD 2263250	²⁴ POD ULSTR Location and Description
------------------------------	--

V. Well Completion Data

²⁵ Spud Date 3/9/99	²⁶ Ready Date	²⁷ TD	²⁸ PBDT	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Pamela M. Leighton</i> Printed Name: Pamela M. Leighton Title: Regulatory Analyst Date: 4/8/99 Phone: 713-296-7120	OIL CONSERVATION DIVISION Approved by: <i>Chris Williams</i> Title: DISTRICT 1 SUPERVISOR Approval Date: APR 23 1999		
	⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator		
	Previous Operator Signature:	Printed Name	Title
			Date

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. 30-025-34582
5. Indicate Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE
6. State Oil & Gas Lease No. 24282
7. Lease Name or Unit Agreement Name Rinewalt
8. Well No. 5
9. Pool name or Wildcat Penrose; Skelly-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 GAS WELL OTHER

2. Name of Operator
Apache Corporation

3. Address of Operator
2000 Post Oak Blvd., Ste. 100, Houston, Texas 77056-4400

4. Well Location
Unit Letter **Lot 3** : **510** Feet From The **North** Line and **1980** Feet From The **West** Line
Section **4** Township **22S** Range **37E** NMPM **Lea** County

10. Elevation (Show whether DF, RKB, RI, GR, etc.)
3453' GR

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

<p>NOTICE OF INTENTION TO:</p> <input type="checkbox"/> Perform Remedial Work <input type="checkbox"/> Temporarily Abandon <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Other	<p>SUBSEQUENT REPORT OF:</p> <input type="checkbox"/> Remedial Work <input checked="" type="checkbox"/> Commence Drilling Operations <input type="checkbox"/> Casing Test and Cement Job <input checked="" type="checkbox"/> Other	<p><input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Change Plans <input type="checkbox"/> Altering Casing <input type="checkbox"/> Plug and Abandonment <input type="checkbox"/> Surface Casing</p>
---	--	---

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.

3/8/99 MIRU Capstar Rig # 9

3/9/99 Spud well @ 7:00 AM

3/10/99 Drilled 12-1/4" hole to 1037'. Ran 25 jts 8-5/8" 24# J-55 ST&C casing. Cemented w / 490 sx Class "C". Circulated 105 sx to pit.

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

SIGNATURE Debra J. Anderson TITLE Engineering Technician DATE 3/18/99

TYPE OR PRINT NAME Debra J. Anderson TELEPHONE NO. 713-296-6338

(This space for State Use)

APPROVED BY Chris Williams TITLE DISTRICT 1 SUPERVISOR DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APR 23 1999

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. BOX 2088

Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-34582
5. Indicate Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE
6. State Oil & Gas Lease No. 24282
7. Lease Name or Unit Agreement Name Rinewalt
8. Well No. 5
9. Pool name or Wildcat Penrose; Skelly-Grayburg
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3453' GR

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(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
Apache Corporation

3. Address of Operator
2000 Post Oak Blvd., Ste. 100, Houston, Texas 77056-4400

4. Well Location
 Unit Letter Lot 3 : 510 Feet From The North Line and 1980 Feet From The West Line
 Section 4 Township 22S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3453' GR

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

<p>NOTICE OF INTENTION TO:</p> <input type="checkbox"/> Perform Remedial Work <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon <input type="checkbox"/> Change Plans <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Other	<p>SUBSEQUENT REPORT OF:</p> <input type="checkbox"/> Remedial Work <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Commence Drilling Operations <input type="checkbox"/> Plug and Abandonment <input type="checkbox"/> Casing Test and Cement Job <input checked="" type="checkbox"/> Other Production Casing
---	--

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.

3/20/99 Drilled 7-7/8" hole to 3950'. Ran 89 jts 5-1/2" 17# J-55 LT&C casing. Cemented w / 950 sx Class "C". Circulated 100 sx to pit. Rig released @ 9:30 AM.

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

SIGNATURE *Debra J. Anderson* TITLE Engineering Technician DATE 3/22/99
 TYPE OR PRINT NAME Debra J. Anderson TELEPHONE NO. 713-296-6338
 (This space for State Use)

APPROVED BY *Chris Williams* TITLE DISTRICT 1 SUPERVISOR DATE APR 23 1999
 CONDITIONS OF APPROVAL, IF ANY:

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address. Apache Corporation		² OGRID Number 873
C/o J. O. Easley, Inc., P. O. Box 2691, Roswell, NM 88202-2691		³ API Number 30-025-34582
⁴ Property Code 23110 24282	⁵ Property Name Reinwalt	⁶ Well No. 5

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
Lot 3	4	22S	37E		510	North	1980	West	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County

⁹ Proposed Pool 1 Penrose; Skelly-Grayburg (50350)	¹⁰ Proposed Pool 2
--	-------------------------------

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3453'
¹⁶ Multiple No	¹⁷ Proposed Depth 4500'	¹⁸ Formation Penrose-Grayburg	¹⁹ Contractor	²⁰ Spud Date ASAP

²¹ Proposed Casing and Cement Program

Hole size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	24#	1200'	365	Circ to Surf
7 7/8"	5 1/2"	15.5#	3950'	675	Circ to Surf

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

See Exhibit "C"

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Kenton A. Hammonds</i>	OIL CONSERVATION DIVISION	
	Approved by: <i>Jay G. [Signature]</i>	Title: FIELD REPRESENTATIVE II
Printed name: Kenton A. Hammonds	Approval Date: MAR 04 1999	Expiration Date: /
Title: Agent for Apache Corporation	Conditions of Approval:	
Date: 3-1-99	Phone: 505-625-8807	Attached <input type="checkbox"/>

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

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

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

A-1

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34582	Pool Code 50350	Pool Name Penrose; Skelly-Grayburg
Property Code 16810-23110	Property Name REINWALT	Well Number 5
OGRID No. 813	Operator Name APACHE CORPORATION	Elevation 3453

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 3	4	22 S	37 E		510	NORTH	1980	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40.00	Joint or Infill	Consolidation Code	Order No.
---------------------------------	-----------------	--------------------	-----------

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

LOT 4	LOT 3	LOT 2	LOT 1
1980'	510'		
39.91 ACRES	39.86 ACRES	39.80 ACRES	39.75 ACRES
	SPC NME NAD 1927 N=520866.10 E=859055.60		

OPERATOR CERTIFICATION

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

Kenton A. Hammonds
Signature

Kenton A. Hammonds
Printed Name

Agent for Apache Corp
Title

3/1/99
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

FEBRUARY 18, 1999

Date Surveyed _____ DMCC

Signature & Seal
Professional Surveyor

Ronald G. Edson
Professional Surveyor

99-11-0129

Certificate No. **3239** 2-24-99
Professional Surveyor
McDONALD 2185

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

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

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

A-2

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34582	Pool Code 50750	Pool Name Penrose; Skelly-Grayburg
Property Code 2310-24282	Property Name REINWALT	Well Number 5
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3453

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 3	4	22 S	37 E		510	NORTH	1980	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

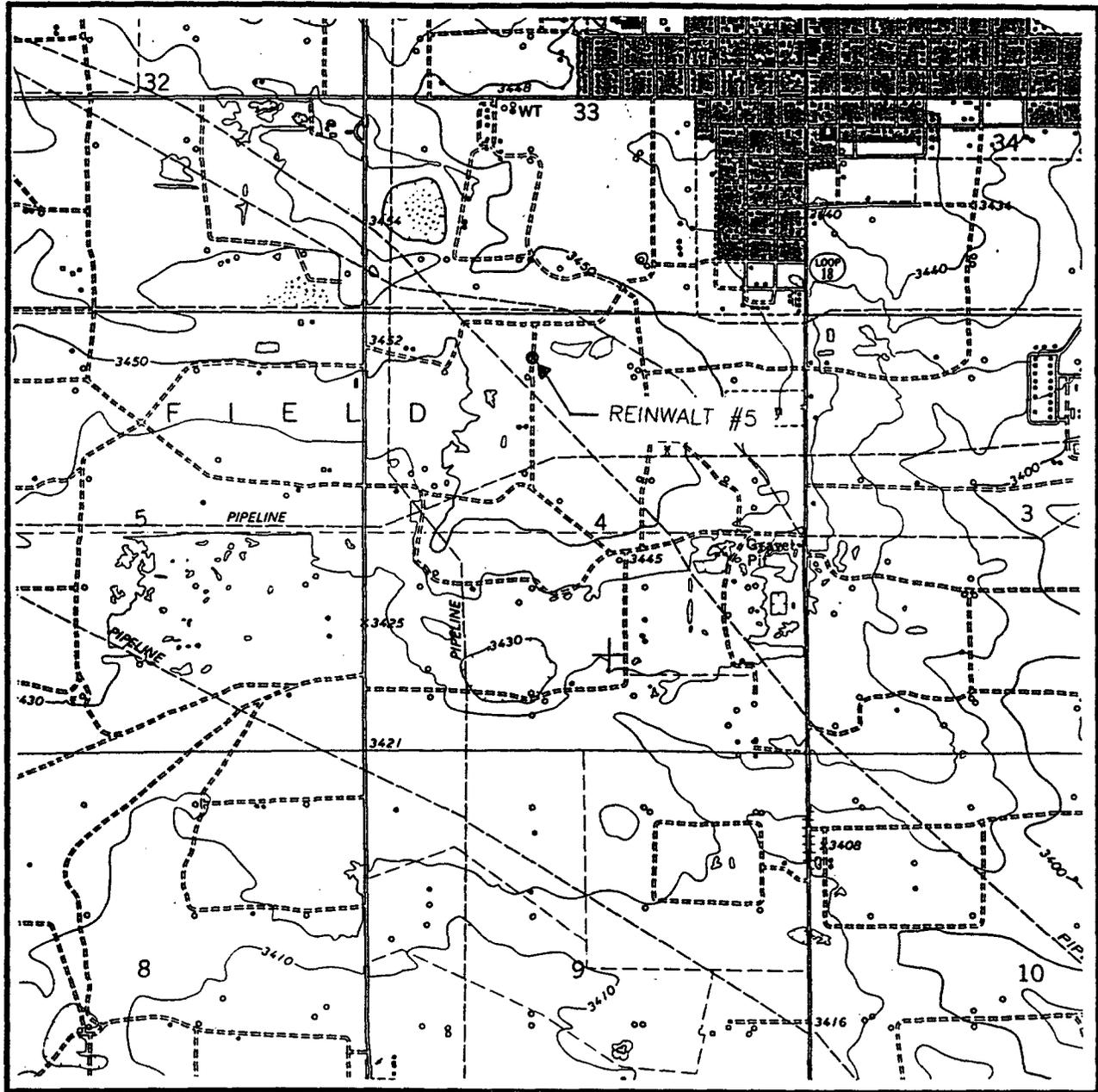
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40.00			

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Kenton A. Hammonds</i> Signature</p> <p>Kenton A. Hammonds Printed Name</p> <p>Agent for Apache Corp Title</p> <p>3-4-99 Date</p>	
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>FEBRUARY 18, 1999 Date Surveyed</p> <p>DMCC Signature & Seal of Professional Surveyor</p>	
	<p>99-11-0122</p>	
	<p>Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641 MACON McDONALD 12185</p>	

LOCATION VERIFICATION MAP

B1



SCALE: 1" = 2000'

CONTOUR INTERVAL:
EUNICE - 10'

SEC. 4 TWP. 22-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 510' FNL & 1980' FWL

ELEVATION 3453

OPERATOR APACHE CORPORATION

LEASE REINWALT

U.S.G.S. TOPOGRAPHIC MAP

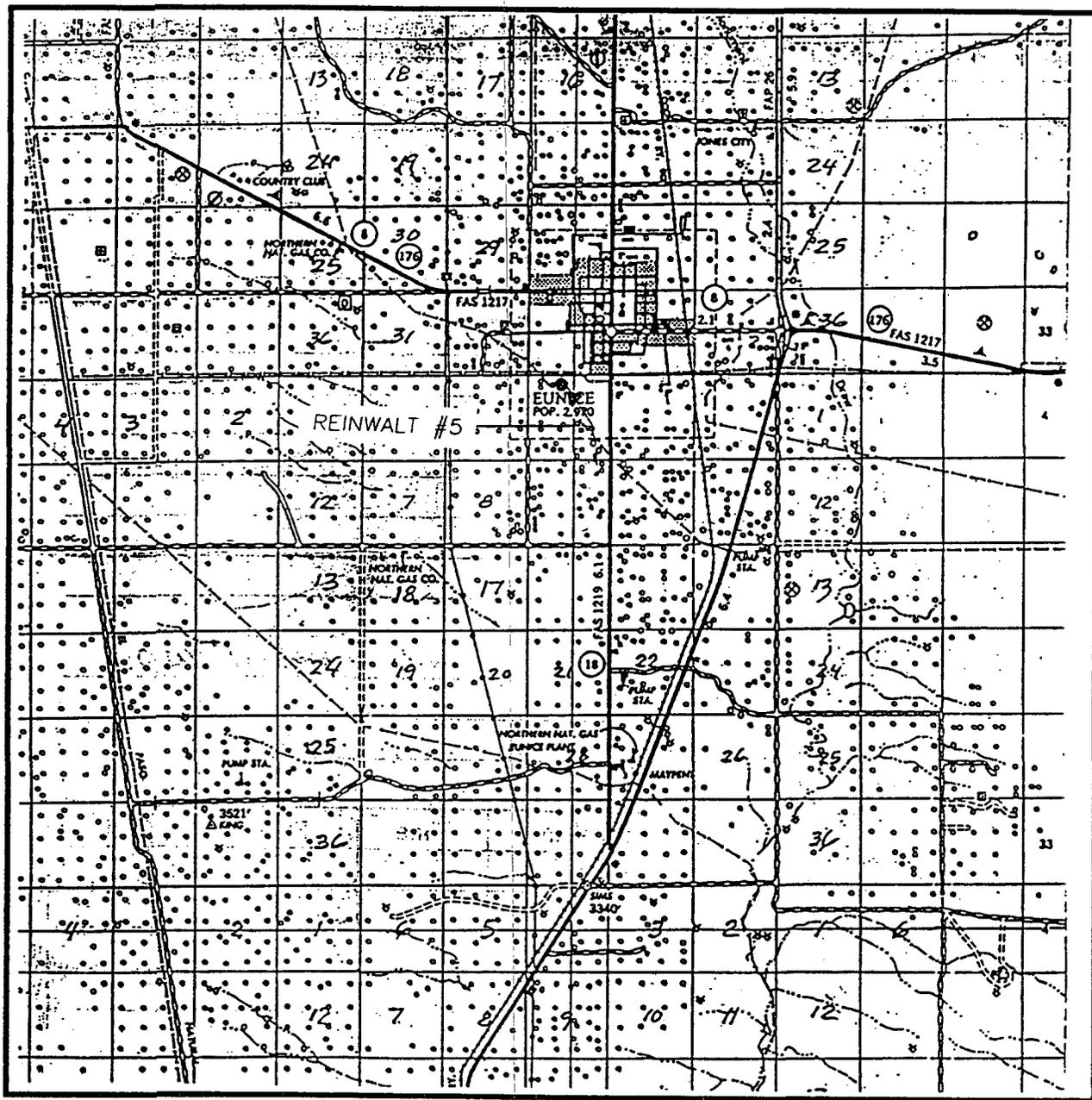
EUNICE, N.M.

**JOHN WEST ENGINEERING
HOBBS, NEW MEXICO**

(505) 393-3117

VICINITY MAP

B-2



SCALE: 1" = 2 MILES

SEC. 4 TWP. 22-S RGE. 37-E
SURVEY N.M.P.M.
COUNTY LEA
DESCRIPTION 510' FNL & 1980' FWL
ELEVATION 3453
OPERATOR APACHE CORPORATION
LEASE REINWALT

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

EXHIBIT "C"
Reinwalt #5

DRILLING PROGRAM

I. The geological surface formation is recent Permian with quaternary alluvium and other surficial deposits.

II. Estimated Tops of Geological Markers:

<u>FORMATION</u>	<u>DEPTH</u>
Yates	2500'
Grayburg	3600'
TD	4500'

III. Estimated depths at which water, oil, gas, or other mineral-bearing formations are expected to be encountered:

<u>SUBSTANCE</u>	<u>DEPTH</u>
Fresh Water	None anticipated
Oil	3600'
Gas	None anticipated

IV. A. Proposed Casing Program:

<u>HOLE SIZE</u>	<u>CASING SIZE</u>	<u>GRADE</u>	<u>WEIGHT PER FOOT</u>	<u>DEPTH</u>
11"	8 5/8"	K55 STC	24#	1200'
7 7/8"	5 1/2"	K55 LTC	15.5#	3950'

B. Proposed Cement Program:

8 5/8" Lead Slurry: Volume CU-FT=423/Volume Factor=1.97: 215 sx Poz (Fly Ash): Class C Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.003 gps FP-6L + 6% bwoc Bentonite + 103% Fresh Water
Tail Slurry: Volume CU-FT=202/Volume Factor=1.34: 150 sx Class C Cement + 2% bwoc Calcium Chloride + 56.4% Fresh Water

5 1/2" Lead Slurry: Volume CU-FT=919/Volume Factor=1.93: 475 sx Poz (Fly Ash): Class C Cement + 5 lbs/sack Sodium Chloride + 0.003 gps FP-6L + 6% bwoc Bentonite + 99% Fresh Water
Tail Slurry: Volume CU-FT=271/Volume Factor=1.35: 200 sx Class C Cement + 3% bwow Potassium Chloride + 0.2% bwoc CD-32 + 0.6% bwoc FL-62 + 0.2% bwoc Sodium Metasilicate + 56.6% Fresh Water.

The top of cement is designed to reach 100' above 8 5/8" casing shoe.

V. Proposed Mud Program:

The well will be drilled to total depth using fresh water & brine. 8.6-9.2 weight mud using fresh water will be used from surface to 1200' and 9.0 - 10.3 weight mud with brine water will be used from 1200' to TD.

VI. Proposed Control Equipment:

Will install on the 8 5/8" surface casing a 10" Series 900, Type "E", Shaffer Double Hydraulic BOP, with pipe and blind rams and annular stabbing valve, and will test before drilling in the Queen formation. BOP working pressure: 3000 psi. See Exhibit "E" for BOP layout.

VII. Auxiliary Equipment:

Blowout preventor, gas detector, kelly cock, pit level monitor, flow sensors, and stabbing valve.

VIII A. Testing Program:

Drill Stem Tests: None planned

B. Logging Program:

Density Neutron

C. Coring Program:

None planned

IX. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, however, the proposed mud program will be modified to increase the mud-weight.

EXHIBIT "D"
Reinwalt #5

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

I. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H₂S).
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H₂S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

II. H₂S Safety Equipment and Systems

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating, the first zone containing, or reasonably expected to contain, H₂S.

1. **Well Control Equipment:**
 - A. Flare line with electronic igniter or continuous pilot.
 - B. Choke manifold with a minimum of one remote choke.
 - C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - D. Auxiliary equipment to include annular preventer, mud-gas separator, rotating head, and flare gun with flares.

2. **Protective equipment for essential personnel:**
 - A. Mark II Surviveair 30-minute units located in the dog house and at briefing areas, as indicated on Exhibit "F".

3. **H₂S detection and monitoring equipment:**
 - A. Two portable H₂S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H₂S levels of 20 ppm are reached.
 - B. One portable SO₂ monitor positioned near flare line.

4. **Visual warning systems:**
 - A. Wind direction indicators as shown on Exhibit "F".
 - B. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

5. **Mud program:**
 - A. The mud program has been designed to minimize the volume of H₂S circulated to the surface. Proper mud weight, safe drilling practices, and the use of H₂S scavengers will minimize hazards when penetrating H₂S-bearing zones.
 - B. A mud-gas separator and an H₂S gas buster will be utilized.

6. Metallurgy:

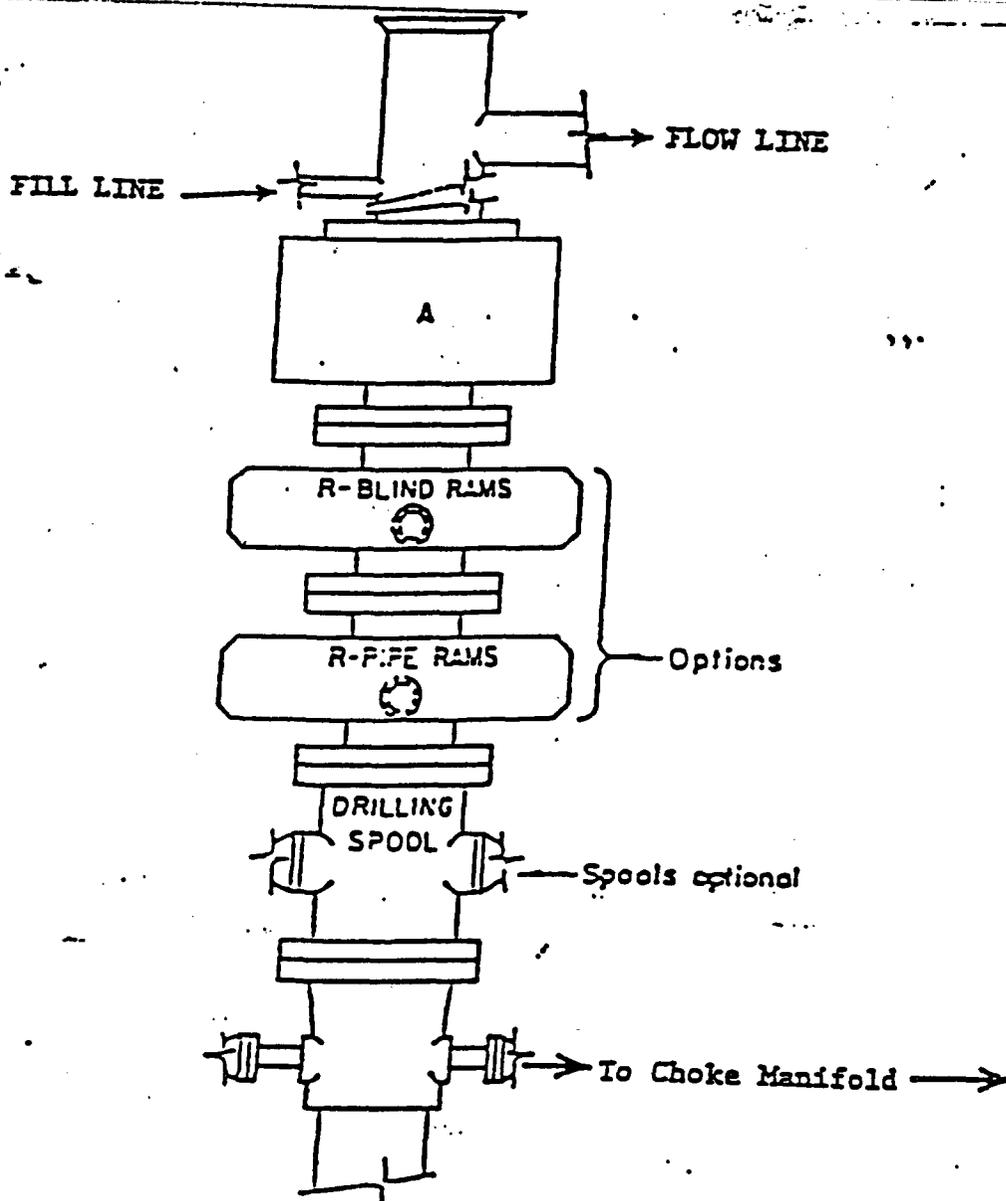
- A. All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
- B. All elastomers used for packing and seals shall be H₂S trim.

7. Communication:

- A. Radio communications in company vehicles including cellular telephone and 2-way radio.
- B. Land Line (telephone) communications at field office.

8. Well testing:

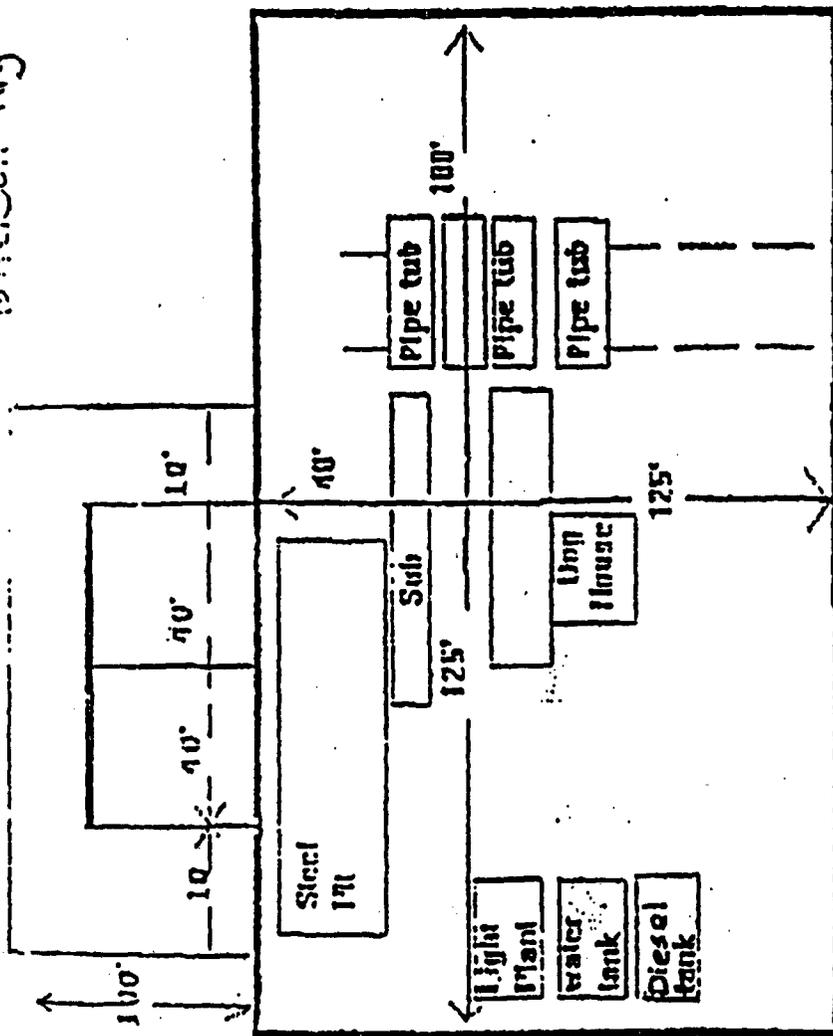
- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity which are necessary to safely and adequately conduct the test. The drill stem testing will be conducted during daylight hours, and formation fluids will not be flowed to the surface. All drill stem testing operations conducted in an H₂S environment will use the closed chamber method of testing.



ARRANGEMENT SRR4

900 Series
3000 PSI WP

Patterson Rig #165



CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

07/17/00 16:45:58
OGOMES -TQDZ
PAGE NO: 1

Sec : 04 Twp : 22S Rng : 37E Section Type : NORMAL

4 39.91 Fee owned A P P	3 39.86 Fee owned A A A	2 39.80 Fee owned A A	1 39.75 Fee owned A A
E 40.00 Fee owned A	F 40.00 Fee owned A A	G 40.00 Fee owned A A	H 40.00 Fee owned A A

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

79.86

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

07/17/00 16:46:02
OGOMES -TQDZ
PAGE NO: 2

Sec : 04 Twp : 22S Rng : 37E Section Type : NORMAL

L 40.00 Fee owned A A	K 40.00 Fee owned A A	J 40.00 Fee owned P A A	I 40.00 Fee owned A A A
M 40.00 Fee owned A A	N 40.00 Fee owned A A	O 40.00 Fee owned A A A	P 40.00 Fee owned U P P A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

07/17/00 16:47:13
OGOMES -TQDZ

API Well No : 30 25 10034 Eff Date : 03-01-1997 WC Status : P
Pool Idn : 6660 BLINEBRY OIL AND GAS (OIL)
OGRID Idn : 157984 OCCIDENTAL PERMIAN LTD
Prop Idn : 19540 RINEWALT

Well No : 001
GL Elevation: 3450

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: F	4	22S	37E	FTG 2310 F N	FTG 2310 F W	P
Lot Identifier:							
Dedicated Acre:							
Lease Type	: P						
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

COUNTY *Lea*

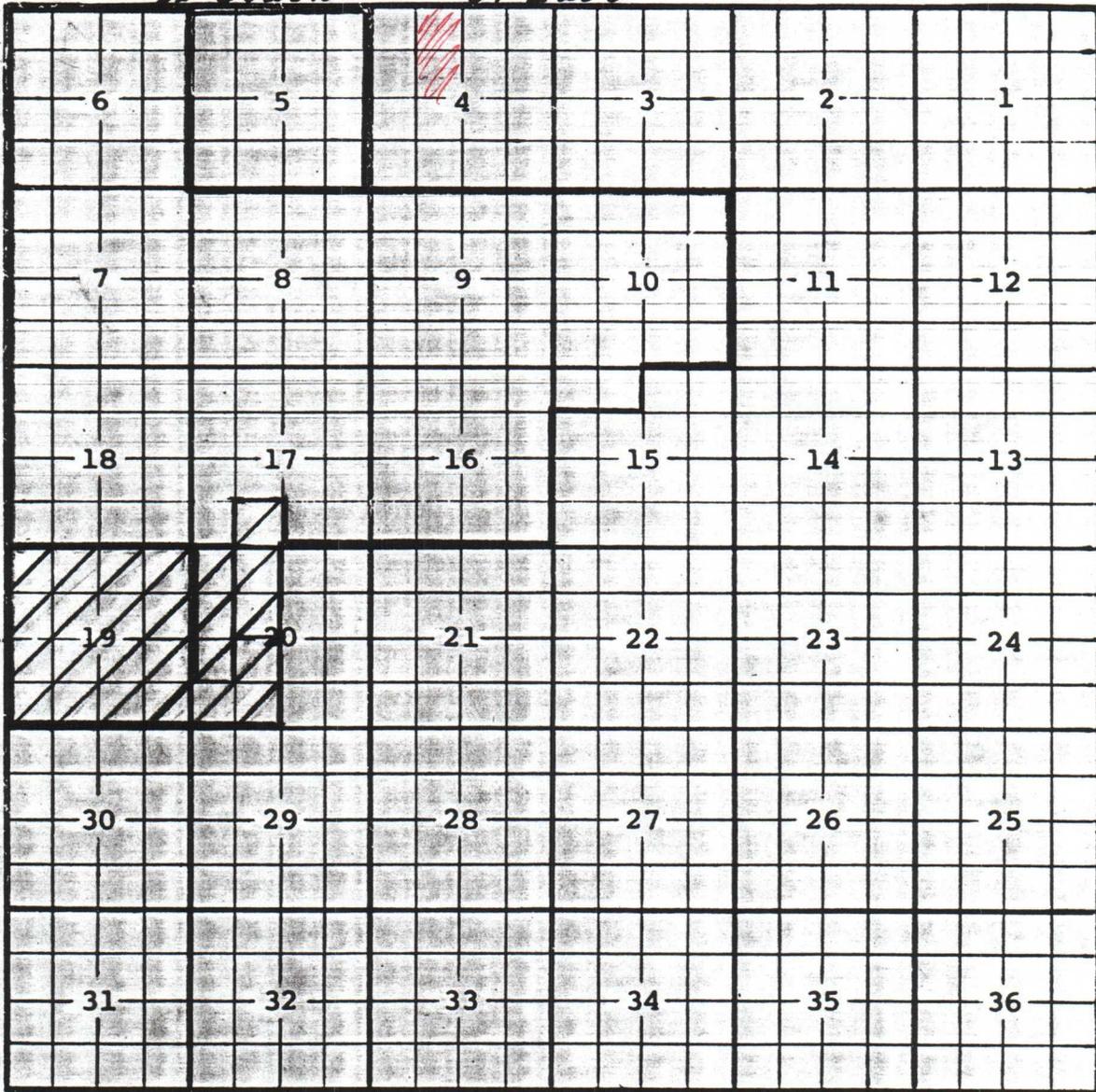
POOL *Eumont Gas*

(*V-SR-Q*)

TOWNSHIP *22-South*

RANGE *37-East*

NMPM



*Description: 1/2 Sec. 7; All Sec. 18; 1/2 Sec. 19, (R-767-A, 4-1-56).
 - All Sec. 6; SW/4 Sec. 17; NW/4 Sec. 20, (R-800, 5-16-56). - 1/2 Sec. 7;
 All Secs. 8, 9 & 10; 1/2 SE/4 Sec. 19; (R-877, 9-13-56). - All Sec. 16;
 1/2 E & SE/4 Sec. 17, (R-914, 11-13-56). - 1/2 NW/4 Sec. 15, (R-933, 12-28-56).
 - SW/4 Sec. 20, (R-1143, 3-25-58). - 1/2 SE/4 Sec. 19, (R-1840, 1-1-61).
 - SW/4 Sec. 19, (R-1981, 6-1-61).
 Contraction: All Sec. 19; SW/4 SW/4 E & E/4 SW/4 Sec. 20 (R-7556, 8-23-63).
 Contraction: SE/4 SW/4 Sec. 17; E/4 NW/4 Sec. 20 (R-4279, 4-1-72).
 Contraction: W NW/4 & NW/4 SW/4 Sec. 20 (R-4423, 11-1-72) EXT: All Sec. 5 (R-7763, 1-8-85)*