

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—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Re-entry	3a. Area Code & Phone No. (505) 623-7210	5. LEASE DESIGNATION AND SERIAL NO. NM-84732
2. NAME OF OPERATOR Murphy Operating Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Drawer 2648, Roswell, New Mexico 88202-2648		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL & 660' FEL, Section 21, T7S, R34E Unit Letter H		8. FARM OR LEASE NAME Federal 21
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4292' GL	9. WELL NO. 2
		10. FIELD AND POOL, OR WILDCAT Chaveroo San Andres
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SENE, Sec. 21 T7S, R34E
		12. COUNTY OR PARISH Roosevelt
		13. STATE New Mexico

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Re-enter to test San Andres <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. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was originally drilled by Reading and Bates Petroleum Company in August and September of 1981. The well was drilled as the Federal 21 Well No. 2.

8 5/8" 24# surface casing was set @ 2150'. Cemented with 700 sacks class C and 200 sacks class H circulated 200 sacks.

Remove dry hole marker. Drillout 10 sack surface plug and 75 sack plug from 1960'-2200'. Clean out and drill 75 sack plug from 2569'-2669' and 60 sack plug from 4300'-4400'. Clean out and drill to PBTD of 4803' and condition hole to run 4 1/2" 10.5# J-55 casing. Cement production casing with approximately 600 sacks class C or amount sufficient to bring top of cement 500' within 8 5/8" surface casing. Well will be selectively-perforated, acidized and frac stimulated, if necessary, to maximize production. If justified tubing, rods, pump and pump jack will be installed and well will be produced to a tank battery to be built on existing well pad.

Attached are:

- 1) Well Location and Acreage Dedication Plat
- 2) Supplemental Drilling Data
- 3) Surface Use Plan

18. I hereby certify that the foregoing is true and correct

SIGNED

Lori Brown

TITLE **Production Supervisor**

DATE **9-21-90**

(This space for Federal or State office use)

APPROVED BY

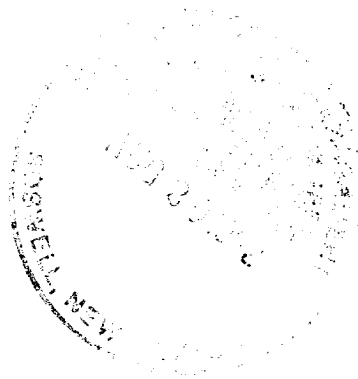
/s/ Sandra L. Porenta

TITLE **Area Manager**

DATE **OGT 19 1990**

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



RECEIVED
AUG 21 1992
OCD HOBBS 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—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Re-entry</u>		3a. Area Code & Phone No. (505) 623-7210		5. LEASE DESIGNATION AND SERIAL NO. NM-84732
2. NAME OF OPERATOR Murphy Operating Corporation				6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Drawer 2648, Roswell, New Mexico 88202-2648				7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL & 660' FEL, Section 21, T7S, R34E Unit Letter H				8. FARM OR LEASE NAME Federal 21 Sunrise Fed
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GL, etc.) 4292' GL		9. WELL NO. 2
				10. FIELD AND POOL, OR WILDCAT Chaveroo San Andres
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SENE, Sec. 21 T7S, R34E
				12. COUNTY OR PARISH Roosevelt
				13. STATE New Mexico

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <u>Re-enter to test San Andres</u> <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was originally drilled by Reading and Bates Petroleum Company in August and September of 1981. The well was drilled as the Federal 21 Well No. 2.

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Attached are:

- 1) Well Location and Acreage Dedication Plat
- 2) Supplemental Drilling Data
- 3) Surface Use Plan

18. I hereby certify that the foregoing is true and correct

SIGNED Lori Brown
(This space for Federal or State office use)

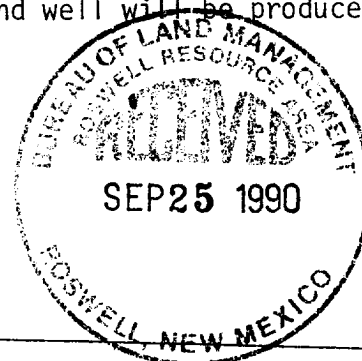
TITLE Production Supervisor

DATE 9-21-90

APPROVED BY /s/ Sandra L. Porenta
CONDITIONS OF APPROVAL, IF ANY:

TITLE Area Manager

DATE OGT 19 1990



*See Instructions on Reverse Side

RECEIVED

NOV 05 1990

OFF
HODGE 07/11

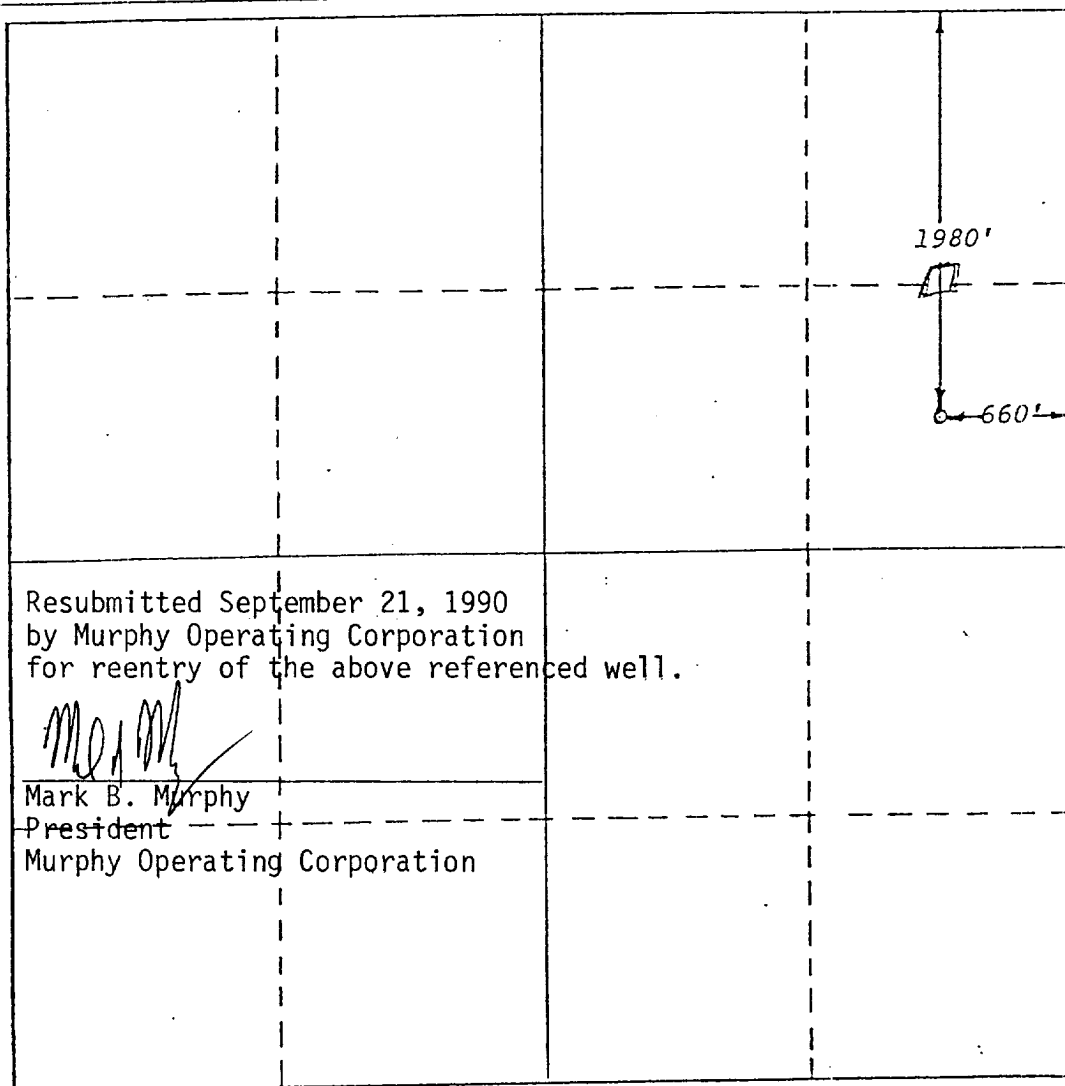
Operator READING & BATES PETROLEUM CO.		Lease <i>Sunrise Fed</i> R & B FEDERAL 21		Well No. <i>1</i> 2
Unit Letter <i>H</i>	Section 21	Township T-7-S	Range R-34-E	County ROOSEVELT CO., NEW MEXICO
Actual Footage Location of Well:				
1980' feet from the North		line and 660' feet from the East		line
Ground Level Elev: 4202'	Producing Formation San Andres	Pool Chaveroo	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Donald J. Kipgen
By Carl Matthews

Name

Donald J. Kipgen

Position

Prod. Supt.

Company

Reading & Bates Petro. Co

Date

1-12-81

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 knowledge and belief.

GARY D. BOSWELL
* BOSWELL *
December 5, 1980
NO. 6689

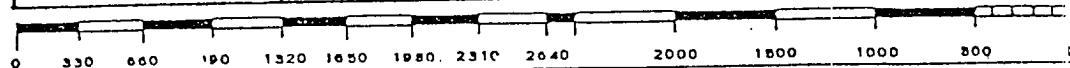
Date Surveyed

Gary D. Boswell

Registered Professional Engineer
and/or Land Surveyor

Gary D. Boswell
Certificate No.

6689



RECEIVED

NOV 05 1990

OCD
HQB36 OFFICE

SURFACE USE PLAN
FOR
DRILLING, COMPLETING AND PRODUCING

MURPHY OPERATING CORPORATION
FEDERAL 21 WELL #2
1980' FNL & 660' FEL, SEC. 21-7S-34E
ROOSEVELT COUNTY, NEW MEXICO

LOCATED: 8 air miles northeast of Milnesand, New Mexico

FEDERAL LEASE NUMBER: NM-84732

LEASE ISSUED: 06-1-90 for a primary term of five years

RECORD LESSEE: Murphy Operating Corporation

BOND COVERAGE: Lessee's \$150,000 nationwide bond

ACRES IN LEASE: 640

LAND STATUS: The wellsite is on mineral reserve land. The minerals are owned by U. S. Government and the land is owned in fee by Dale Brown, South Star Route Box 40, Elida, New Mexico 88116, (Phone 505-274-6427).

POOL: Chaveroo San Andres Field. (40 acre spacing)

EXHIBITS:

- A. Area Road Map
- B. Topographic Map
- C. Oil & Gas Map
- D. Sketch of Well Pad
- E. Plugging Diagram
- F. Plugging Reports
- G. Surface Agreement with Landowner

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NOV 05 1990

CLD

NOBIS OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. BOX 1980
HOBBS, NEW MEXICO 88240

N M 23304

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 Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☐ DRY HOLE
2. NAME OF OPERATOR
READING & BATES PETROLEUM COMPANY
3. ADDRESS OF OPERATOR
810 N. Dixie Blvd. Room 202 Odessa, Texas
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980 FNL & 660 FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: 4803'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) _____

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☒
P&A

RECEIVED
OCT 29 1981
OIL & GAS
U.S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7:00 A.M. 8-15-81 Day one (1) of Spud.
Casing size 8 5/8", 24#, K-55. Casing surface @ 2142'
Prepare to P&A 9-15-81. Run D.S.T. #1 #2 & #3.
Plug #1 @ 4400'- 4300' 60 sx
Plug #2 @ 2669'- 2569' 75 sx
Plug #3 @ 2200'-1960' 75 sx.
Cemented 700 sx class "C" plus 200 sx class "H", & circulated 200 sx.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED David R. Glass TITLE Prod. Superintendent DATE 10-27-81

APPROVED

(This space for Federal or State office use)

APPROVED BY (ORIG. SGD.) DAVID R. GLASS

DATE

CONDITIONS OF APPROVAL, IF ANY:

OCT 7 1983



*See Instructions on Reverse Side

77

RECEIVED

OCT 12 1983

O.C.D.
HOBBS OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

88240 EASE

N M 23304

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL 21

9. WELL NO.

#2

10. FIELD OR WILDCAT NAME

CHAVEROO

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 21 T-7-S R-34-E

12. COUNTY OR PARISH

ROOSEVELT

13. STATE

NEW MEXICO

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

4292' Ungraded 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 Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR

READING & BATES PETROLEUM COMPANY

3. ADDRESS OF OPERATOR

810 N. Dixie Blvd. Rm 202 Odessa, Texas

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 8 Mi. N.W. of Milnesand, New Mexico

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: 4803'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

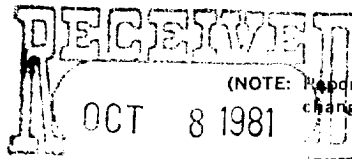
MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☒

(other) ☐

SUBSEQUENT REPORT OF:



(NOTE: Report results of multiple completion or zone change on Form 9-330.)

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9-26-81 Depth 4803' Prepare to plug & abandon well; Non productive

8:30 a.m. to 9:30 a.m. Pump plug #1 @ 4400'-4300' 60 sx.

9:30 a.m. to 12:00 noon Lay down 59 jts.

12:00 p.m. to 12:30 p.m. Pump plug #2 @ 2669'- 2569' 75 sx

12:30 p.m. to 1:00 p.m. Lay down 11 jts.

1:00 p.m. to 1:30 p.m. Pump plug #3 @ 2200' - 1960' 75 sx (witnessed by Jim Graham, USGS)

6:00 a.m. 9-27-81 Lay down drill pipe, Nipple down & set 10 sx plug in top of surface csg.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Ronald K. Chapman TITLE Prod. Supt. DATE 10-6-81

APPROVED (This space for Federal or State office use)
(Orig. Sgd.) ROGER A. CHAPMAN
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

OCT 19 1981

JAMES A. GILLHAM
DISTRICT SUPERVISOR

* See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL <input type="checkbox"/> WELL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		OCT 29 1981		7. UNIT AGREEMENT NAME	
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>				8. FARM OR LEASE NAME	
2. NAME OF OPERATOR		READING & BATES PETROLEUM COMPANY		U.S. GEOLOGICAL SURVEY ROSWELL, NEW MEXICO		9. WELL NO.	
3. ADDRESS OF OPERATOR		810 North Dixie Blvd. Room 202 Odessa, Texas 79761				10. FIELD AND POOL, OR WILDCAT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 1980' F.N.L. & 660 F.E.L., Sec. 21 T-7-S, R-34-E				11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA	
At top prod. interval reported below						S/E, N/E, Sec. 21-T-7-S, R-34-E	
At total depth						12. COUNTY OR PARISH	
		14. PERMIT NO.		DATE ISSUED		13. STATE	
				1-19-81		Roosevelt New Mexico	
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD			
8-15-81	9-20-81	9-26-81 PVA	4304'	4292'			
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	24. ROTARY TOOLS	25. CABLE TOOLS		
4803'							
26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*				27. WAS DIRECTIONAL SURVEY MADE			
28. TYPE ELECTRIC AND OTHER LOGS RUN				29. WAS WELL CORED			
D.I.L. Micro Fsl w/ GR F.D.C. - CNI w/ Caliber				No			
30. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
8 5/8"	24	2150	12 1/4	700 sx class "C" Plus	NONE		
				200 sx class "H" (circulated 200 sx)			
31. LINER RECORD				32. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
33. PERFORATION RECORD (Interval, size and number)				34. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)			
				AMOUNT AND KIND OF MATERIAL USED			
35. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	GAS-OIL RATIO
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)	
36. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED BY			
37. LIST OF ATTACHMENTS				DEC 14 1981			
38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.							
SIGNED <i>Ronald J. Kopp</i>		TITLE <i>Production Superintendent</i>		DATE <i>10-27-81</i>			

*** (See Instructions and Spaces for Additional Data on Reverse Side)**

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 23. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Upper San Andres	4417'	4470'	D.S.T. #1, no cushion, 15 min. pre-flow, 30 min. shut in, 60 min final flow, 120 min final shut in. I.H.P. 2488#, I.F.P. 143# End I.F.P. 392# I.S.I.P. 1484#, F.F.P. 422#, End FFP 973# F.S.I.P. 1493#, F.H.P. 2483#. Recovered 1300' slightly oil & gas cut. Mud & no gas. D.S.T. #2 Failure.			
Lower San Andres (Slaughter)	4658'	4803'				
Lower San Andres (Slaughter)	4658'	4803'	D.S.T. #3, no cushion, 15 min. pre-flow, 30 min shut in, 60 min final flow, 120 min shut in. I.H.P. 2609#, I.F.P. 148#, End I.F.P. 159# I.S.I.P. 1547#, F.F.P. 180#, End F.F.P. 271# F.S.I.P. 1560#, F.H.P. 2595#. Recovered 180' Drilg. fluid, 80' Drilg. fluid & sulfur water, 140' sulfur water & no gas.			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY(Other instructions on
reverse side)

30-041-20577

5. LEASE DESIGNATION AND SERIAL NO.

NM 23304

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL 21

9. WELL NO.

#2

10. FIELD AND POOL, OR WILDCAT

Chaveroo

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 21-T-7-S-R34E

12. COUNTY OR PARISH 13. STATE

Roosevelt New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

READING & BATES PETROLEUM CO.

U.S. GEOLOGICAL SURVEY

3. ADDRESS OF OPERATOR

1100 Mid-Continent Bldg. Tulsa, Oklahoma 74103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1980 FNL & 660 FEL Sec. 21-T-7-S-R34E

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 mi. Northwest of Milnesand, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

4800'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4292' Ungraded GR

22. APPROX. DATE WORK WILL START*

February 1, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	500'	350-sx- Circulated to surface.
7-7/8"	5-1/2"	14#	4800'	Through shoe w/450 sx to base of salt & through DV tool at approx. 2300' (top of salt) w/ 400 sx.

Drill a well at the above location to a T.D. of 4800' for the purpose of testing all potential oil and/or gas zones encountered. Primary objective is the San Andres @ 4245'. 500' of 8-5/8" surface casing will be set and cemented to surface. Blow out preventers and surface casing will be tested. A 7-7/8" hole will be drilled to T.D. Electric logs will be run. If productive, 5-1/2" casing will be set and cemented to adequately protect the productive zone, and salt formations. If non-productive, well P&A as per instructions by USGS & New Mexico Oil Conservation Commission Instructions and to fill pits and restore land to its near original condition as soon as possible.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Donald J. Ringer

TITLE

Production Supt.

Prod. Clerk

1-12-81

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Sgd.) GEORGE H. STEWART

ACTING DISTRICT ENGINEER

FEB 09 1981

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-4-65

All distances must be from the outer boundaries of the Section.

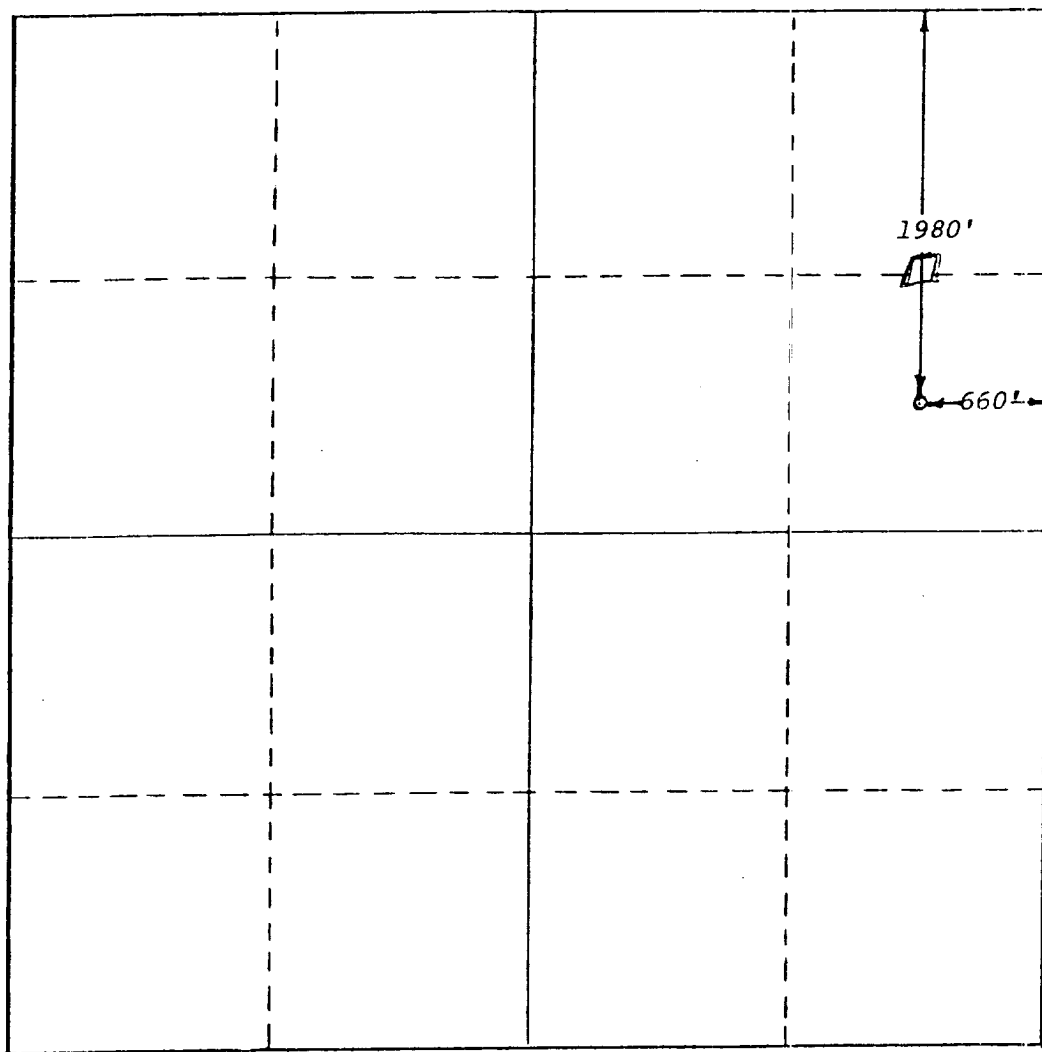
Operator READING & BATES PETROLEUM CO.			Lease R & B FEDERAL 21		Well No. 2
Unit Letter H	Section 21	Township T-7-S	Range R-34-E	County ROOSEVELT CO., NEW MEXICO	
Actual Footage Location of Well: 1980' feet from the North line and 660' feet from the East line					
Ground Level Elev. 4202'	Producing Formation San Andres	Pool Chavero	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



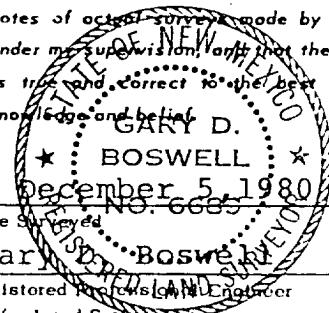
CERTIFICATION

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

Donald J. Kipgen
By Carl Matthews

Name	Donald J. Kipgen
Position	Prod. Supt.
Company	Reading & Bates Petro. Co.
Date	1-12-81

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



Date Surveyed	December 5, 1980
Surveyor	Gary D. Boswell
Registered Professional Engineer and/or Land Surveyor	

Gary D. Boswell
 Certificate No. **6689**