

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other In-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

LEASE DESIGNATION AND SERIAL NO.

NM-17252

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Llano Federal

9. WELL NO.

1

10. FIELD AND POOL OR WILDCAT

Sandhills/Grayburg
San Andres11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 31, T20S, R39E

12. COUNTY OR
PARISH
Lea13. STATE
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Minerals, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 1320, Hobbs, NM 88240

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

At surface 1650' FSL 330' FEL Sec. 31, T20S, R39E

At top prod. interval reported below

At total depth

Same

14. PERMIT NO.

N-A

DATE ISSUED

11-25-81

12. COUNTY OR
PARISH
Lea13. STATE
NM

15. DATE SPUDDED

12-22-81

16. DATE T.D. REACHED

1-11-82

17. DATE COMPL. (Ready to prod.)

2-11-82

18. ELEVATIONS (OF, RSB, RT, GR, ETC.)*

3560.8' G.L.

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

4435 T.D.

21. PLUG, BACK T.D., MD & TVD

4353

22. IF MULTIPLE COMPL.

HOW MANY*

N/A

23. INTERVALS

DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4332-4346; San Andres

25. WAS DIRECTIONAL

SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Neutron/FDC; BHC; DLL

27. WAS WELL CORED

No

28. 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" OD	24#	1651'	12-1/4"	550 sx lite wate	none
5-1/2" OD	15.5#	4435'	7-7/8"	300 sx cl. "C"	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SAKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-3/8	4342.88	N/A

31. PERFORATION RECORD (Interval, size and number)

4332'-4346' W/2 JSPF plus 1 shot extra at
bottom

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4332-4346	Spotted 400 gals. 15% NE HCl pumped 5000 gal. -20% HCl w/ 6000 gal. WF 30 and 400 SCF/bbl N ₂ in 4 stages. Flush w/800 gal. brine

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
3-11-82		2" x 1-1/2" x 12' RWBC-Pumping				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-12-82	24	N/A	→	58	80	118	1,379
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	----	→	58	80	118	28	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Csg. head gas will be sold to Getty Oil Co. George Rowland

35. LIST OF ATTACHMENTS

2 electric logs; ea CNL/FDC, BHC, DLL, Dev. Record

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

President and CEO

DATE

3/19/82

*(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, 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.

Item 2: 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 33. 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 POROSITY ZONES:				%		GEOLOGIC MARKING	
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				DESCRIPTION, CONTENTS, ETC.		NAME	
FORMATION	TOP	BOTTOM		DESCRIPTION, CONTENTS, ETC.	NAME	MEAN DEPTH	TRUE VERT DEPTH
San Andres	4326	4358		Dolomite Formation containing oil, gas and water	Anhydrite T. Salt B. Salt Yates Seven Rivers Queen Grayburg San Andres	1625 1708 2800 2906 3134 3524 3956 4326	

RECEIVED
APR 2 1982
NORMAN STAGE

DEVIATION STATEMENTOPERATOR: Minerals, Inc.WELL NAME: Llano Federal #1

<u>DATE</u>	<u>DEPTH</u>	<u>DEVIATION</u>
12-22-81	501'	1/2 degree
12-22-81	1047'	3/4 degree
12-24-81	1650'	1 1/4 degrees
12-30-81	2079'	1 1/4 degrees
12-31-81	3051'	1 3/4 degrees
1-2-82	3561'	1 3/4 degrees
1-8-82	4073'	2 degrees

The information given above is true and complete to the best of my knowledge and belief.

DABER WELL SERVICING COMPANY

By. [Signature]

STATE OF NEW MEXICO)
COUNTY OF LEA) ss

The foregoing instrument was acknowledged before me this 19 day of January 1982, by [Signature]

[Signature]
Notary Public

My commission expires 1982

RECEIVED

APR 3 1982

U.S.
HOBBS OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions
on the side)

Form approved
Budget Bureau No. 42-R1424

LEASE DESIGNATION AND SERIAL NO.
NM-17252

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 ☒ GAS WELL ☐ OTHER ☐		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Minerals, Inc.		8. FARM OR LEASE NAME Llano Federal	
3. ADDRESS OF OPERATOR P. O. Box 1320, Hobbs, New Mexico 88240		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1650' FSL, 330' FEL, Sec. 31, T20S, R39E		10. FIELD AND POOL, OR WILDCAT Sandhills Grayburg San Andres	
11. PERMIT NO.		12. COUNTY OR PARISH Lea	
15. ELEVATIONS (Show whether LL, RL, GR, etc.) 3560.8 GL		13. STATE NM	

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETION ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☒	(Other) ☐	

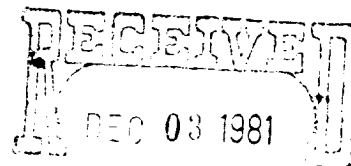
NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.

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.)*

Minerals, Inc. proposes to alter the casing program on the above well in the following manner:

Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Quantity of Cement
12 1/4"	8-5/8"	24#	1650	950 sx (circ)
7-7/8"	5 1/2"	15.5#	4350	200 sx (800' above top of pay)

A further alteration to the APD, approved November 25, 1981, is to please delete Jack Moody from the list of Operator's Representatives.



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

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

SIGNED

TITLE President & CEO

DATE 12/2/81

(This space for Federal or State office use)

APPROVED BY

APPROVED

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DEC 3 1981

JAMES A. GILLHAM
DISTRICT SUPERVISOR

See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRI
(Other: Instructio
verse side)

Form approved.
Budget Bureau No. 42-R1424.

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 ☒ GAS WELL ☐ OTHER ☐	5. LEASE DESIGNATION AND SERIAL NO. NM-17252
2. NAME OF OPERATOR MINERALS, INC.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 1320, Hobbs, New Mexico, 88240	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 1,650 FSL, 330' FEL Sec. 31, T20S, R39E	8. FARM OR LEASE NAME LLANO FEDERAL
14. PERMIT NO.	9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3,560.8 GL	10. FIELD AND POOL, OR WILDCAT SAND HILLS GRAYBURG SAN ANDRES
	11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA
	12. COUNTY OR PARISH LEA
	13. STATE NM

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☒	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) ☐	

(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.)

1. Proposed Perforation; 4332'-4346'

2. Acidize with 5000 gal. 20% HCL

RECEIVED
JAN 29 1982

OR F GAS
U.S. GEOLOGICAL SURVEY
LOS WELLS, NEW MEXICO

FOR RECORD
ROBERT A. CHAPMAN

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

SIGNED Robert A. Chapman TITLE President and CEO DATE 1/27/82

(This space for Federal or State office use)
U.S. GEOLOGICAL SURVEY
APPROVED ROSWELL, NEW MEXICO TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: