

NMCC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 40268

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

LARK FEDERAL

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

WILDCAT San Andres

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

Sec. 9 T17S R27E

12. COUNTY OR PARISH 13. STATE

EDDY

NM

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 ☒ GAS ☐ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

COLLIER & COLLIER

3. ADDRESS OF OPERATOR

P.O. BOX 798, Artesia, N.MEX. 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1650' FNL, 1650' FWL

Approx. 6 mi. north of Riverside

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

3433 GL

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Request for temporary suspension of

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

operation

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.)*

Request temporary suspension of operations.

Queen pay has been penetrated. See enclosed sample log and description.

Hole has subsequently been mudded with 13 sxs mud.

RECEIVED

APR 13 1978

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED Linda R. Miller

TITLE Agent

DATE 4-13-78

(This space for Federal or State office use)

APPROVED BY Joe A. Lasa

TITLE ACTING DISTRICT ENGINEER

DATE APR 17 1978

CONDITIONS OF APPROVAL, IF ANY:

Approved for a 90 day suspension period

*See Instructions on Reverse Side

EXAM. BY		DATE	COUNTY	STATE	COMPANY	WELL NO.						
G.E. Harrington		April 4, 1978	Eddy	New Mexico	Collier & Collier	1						
KIND OF SAMPLE		ELEV.	LOCATION									
Cable Tools		3433 G.L.	1650' FNL & 1650' FWL	9 175 28E	FARM	Dark-Federal						
DEPTH	DOLOMITE		EVAPORITES		SAND		CHERT		REMARKS AND ADDITIONAL LITHOLOGY	Fluor.	Iron	%
	%	Description	%	Description	%	Description	%	Description				
1. 505-510			40	wh. dms	60	red. wh. g. anhyd. f. H. g. u. f. g. n.						
2. 15			20	✓	80	✓	✓	beug. shls				
3. 20			10	✓	90	✓	✓					
4. 25			20	incr. wh. dms	80	✓	✓					
5. 30			70	predom wh. dms	30	✓	✓					
6. 35			60	✓	40	✓	✓					
7. 40			50	✓	50	✓	✓					
8. 45			80	✓	20	✓	✓					
9. 50			70	wh. dms	30	✓	✓					
10. 55			70	✓	30	✓	✓					
11. 60			70	✓	30	✓	✓					
12. 65			80	✓	20	✓	✓					
13. 70			90	✓	10	✓	✓					
14. 75			90	✓	10	✓	✓					
15. 80			80	✓	20	10% ✓	10% ✓					
16. 85			80	✓	20	16% ✓	10% ✓					
17. 90			90	✓	10	✓	✓					
18. 95			80	✓	10	✓	✓					
19 595-600	Queen?		10	✓	90	30% ✓	60% H. g. u. f. g. n.					
05			10	✓	80	20% ✓	60% H. g. u. f. g. n.					
21. 10			tr	✓	30	10% ✓	20% ✓					
22. 15			10	predom wh. dms	80	70% ✓	10% ✓					
23. 20			10	✓	70	70% ✓	✓					
24. 25			10	✓	60	50% ✓	10 ✓					
25. 30			70	wh. dms	20	20% ✓	✓					
26. 35			80	✓	20	10% ✓	✓					
27. 40			90	✓	10	10% ✓	✓					
28. 45			90	✓	10	tr	✓					
29. 50			90	✓	10	tr	✓					
30. 55			90	✓	10	tr	✓					

Fluorescence — S=Slight — F=Fair — G=Good — M=Mineral
 Porosity — S=Slight — F=Fair — G=Good — V=Vugular — I=Interstitial — F=Fracture

EXAM. BY G.E. Harrington DATE April 4, 1978 COUNTY Eddy STATE New Mexico COMPANY Collier & Collier
KIND OF SAMPLE Cable Tools ELEV. 3433 G.L. LOCATION 1650' FWL & 1650' FWL 9 175 28E FARM Lark-Federal WELL NO. 1

DEPTH	DOLOMITE		LIMESTONE		EVAPORITES		SHALE				SAND		CHERT		REMARKS AND ADDITIONAL LITHOLOGY	Fluor.	A.C.	F.C.
	%	Description	%	Description	Anhy & typ	Poly Salt	Red	Gry	Grn	Blk	Description	%	Description	%	Description			
31. 655 - 660																		
32. 65					40	✓	60	silt, st, anhydric			10	red, v. fine, shaly						
33. 70					60	✓	30	✓			10	✓						
34. 75					70	✓	Tr	✓			30	✓						
35. 80					60	✓	Tr	✓			40	✓						
36. 85	40	Tr-dk, b, d, ns-v. fine, sh, silty in pt, white in pt.			30	sm cl, xln	10	rd + blk, qtz, st			20	10% ✓	10% Tr. blk, v. fine, gn					
37. 90	40	✓			30	✓	Tr	✓			30	20% ✓	✓	10% Tr. blk, v. fine, gn				
38. 95	Tr	✓			70	✓	30	rd, st			Tr	✓						
39. 695 - 700					90	✓	10	✓			Tr	✓						
40. 05					90	✓	10	✓			Tr	✓						
41. 10					60	✓	Tr	✓			40	Tr-d. blk, v. fine, sh, silty in pt, anhydric						
42. No Sample 15					40	✓					60	✓						
43. 20					50	sm cl, xln	10	Tr-d. blk, st			50	✓						
44. 25					30	✓	10	Tr-d. blk, st			60	✓						
45. 30																		
46. 35					80	✓	10	✓			60	✓						
47. 40					80	✓	Tr	✓			20	✓						
48. 45					70	Tr-d. blk, xln	10	rd, st			20	✓						
49. 50					60	✓	Tr	✓			40	Tr-d. blk, v. fine, gn.						
50. 55					10	✓	90	✓										
51. 60					20	✓	80	✓										
52. 65					20	✓	80	red, st										
53. 70					20	sm cl, xln	10	✓			70	red, v. fine, gn, unconsolid. Tr. blk						
54. 75					10	✓	10	rd + blk, qtz, st			80	red, v. fine, gn, unconsolid.						
55. 80					10	✓	Tr	✓			90							
56. 85					10	✓	10	✓			80							
57. No Sample 90																		
58. 95					Tr	Tr-d. blk, xln	20	rd + blk, qtz, st			80	red, blk, v. fine, gn, unconsolid.						
59. 795 - 800					Tr		20	rd + blk, qtz, st			80	red + blk, v. fine, gn, unconsolid.						

Fluorescence — S=Slight — F=Fair — G=Good — M=Mineral
Porosity — S=Slight — F=Fair — G=Good — V=Vugular — I=Interstitial — F=Fracture

Collier & Collier

#1 Lark-Federal

1650' FNL & 1650' FWL

Sec. 9, T-17-S, R-28-E

Eddy County, New Mexico

Elevation: 3433 G.L.

Sample Description by G.E. Harrington

April 4, 1978

samples start at 505'

500

Anhydrite, white, dense, colorless, crystalline

Sand, red, fr. lite gray, very fine grained, anhydritic, shaley

Predominantly white, dense anhydrite

Sand as above w/ tr. lite gray, very fine grained

tr

✓

tr

✓

w/ tr. lite gray brown as above

tr

✓

10% red sand

10% lite gray brown sand

10%

✓

10%

✓

tr

✓

Shale, red, soft

Sand 30% red as above

60% lite gray-lite tan gray, very fine-grained
hard, tight- numerous, coated quartz grains
medium-coarse grained

20%

✓

60%

✓

Shale, red, soft

10%

✓

20%

✓

Shale, red & lite gray, soft

70%

✓

10%

✓

Shale, as above Anhydrite, colorless

70%

✓

tr

✓

Shale red, purple

crystalline

50%

✓

20%

✓

Shale, predom. red

20%

✓

tr

✓

Anhydrite, white, dense some

like tan

10%

✓

10%

✓

10%

✓

tr

✓

tr

✓

10%

✓

tr

✓

10%

✓

tr

✓

10%

✓

Sand, red, very fine grained, shaley, anhydritic

Shale, red, silty, anhydritic, soft

Sand as above w/ tr. lite gray, very fine grained

Dolomite, tan-dark tan, dense-very finely crystalline, shaley,

sandy, pyritic. Shale, red & lite gray, soft

Sand, as above 10% lite brown, very fine grained 10%

✓

20%

✓

10%

Shale, red, soft

Anhydrite, white, dense, colorless, crystalline

700

Sand, lite red-lite brown, very fine grained, shaley in part, anhydritic

Shale, lite red-red, soft

Anhydrite, predom. white, dense w/ some colorless, crystalline

Shale, red, soft

Sand, lite red, very fine grained

Shale, red, soft

Sand, red, very fine grained, unconsolidated, tr. lite gray

Anhydrite, predom. colorless, crystalline

Shale, red w/ tr. lite gray, soft.

800

1944-1945

1946-1947

1948-1949

1950-1951

1952-1953

1954-1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLI
(Other instructions on re-
verse side)Form approved
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM4028

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Lark Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec 9, T16S, R27E

12. COUNTY OR PARISH

Eddy

NM

1. OIL ☒ GAS ☐ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Collier & Collier

3. ADDRESS OF OPERATOR

P.O. Box 798, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1650N - 1650W

14. PERMIT NO.

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

3433 GL

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(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 perti-
nent to this work.)*

Commenced Drilling Operations.

Dec. 18, 1977

Spudded with 14" bit.

Plan to run 10 3/4" casing in 14" hole to approx. 250'.

RECEIVED
DEC 30 1977
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED

TITLE Agent

DATE 12/29/77

(This space for Federal or State office use)

APPROVED BY

TITLE ACTING DISTRICT ENGINEER

DATE DEC 30 1977

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side