



INEXCO



RECEIVED

AUG 14 1970

COLO. OIL & GAS CONS. COMM.

August 11, 1970

Oil & Gas Conservation Commission
State of Colorado
1845 Sherman Street
Denver, Colorado 80203

Attention: Mr. Frank J. Piro
Deputy Director - Secretary

Gentlemen:

This letter and its attachments, in triplicate, is our application for permission to inject produced water in the Golden Spike Field into the Kinderhook and Arbuckle formations in the Flowers No. 2, NE SE Section 12-16S-45W, Cheyenne County, Colorado.

The Flowers No. 2 was drilled as a development well in the Golden Spike Field. The Mississippian formation was indicated to be non-productive on the basis of DST data, electric log evaluation, visual examination of drill cuttings and structural position. The well was then deepened to 6150' and 5 ½" casing was set and cemented at that depth. It is now proposed to perforate and acidize porosity development in the Kinderhook and Arbuckle formations over the interval 5762 to 6150'. Produced water in the Golden Spike Field will then be injected into this well for disposal. Disposal requirements for the ten producing wells in the field are estimated to be 4000 BWPD for the near future.

The casing as shown on the attached Form 5 has already been run in the well and cemented as shown. It is not planned to test the 5 ½" casing string as it was in good condition when run on August 5, 1970. A sufficient amount of cement was used to prevent the movement of injected water into formations other than the Kinderhook and Arbuckle.

I N E X C O

O I L

C O M P A N Y

RECEIVED

AUG 14 1970

COLO. OIL & GAS CONS. COMM.

August 11, 1970

Page Two

A copy of this letter along with the necessary forms and location plat has been sent by registered or certified mail to each owner of record within one-half mile of the proposed disposal well. A list of the owners of record within one-half mile of the disposal well has been attached.

Yours very truly,



Charles R. Hamm
Div. Prod. Mgr.

CRH:dcp

Enclosures:

Application for Permit to Drill, Deepen or Plug Back (Form 2)

Well Completion or Re-Completion Report & Log (Form 5)

Location Plot

Mailing List

DEPARTMENT OF NATURAL RESOURCES
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

RECEIVED

AUG 14 1970

COLO. OIL & GAS CONS. COMM.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO. _____

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Flowers

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Golden Spike

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 12-16S-45W

12. COUNTY
Cheyenne

13. STATE
Colo

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

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any)
660'

16. NO. OF ACRES IN LEASE *
160

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
660' FNL & 660' FEL of SE/4 Sec 12-16S-45W

19. PROPOSED DEPTH
6150

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4332 GL

22. APPROX. DATE WORK WILL START _____

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/4	13 3/8	48#	326	250 SX
12 1/4	10 3/4	32.75#	731	150 SX
7 7/8"	5 1/2	14# & 15.5#	6150	200 SX

* DESCRIBE LEASE

The Flowers No. 2 was drilled as a development well in the Golden Spike Field. The Mississippian formation was indicated to be non-productive on the basis of DST data, electric logs, visual examination of drill cuttings and structural position. The well was then drilled to 6150' and 5 1/2" casing was set and cemented at that depth.

It is now proposed to perforate and acidize porosity development in the Kinderhook & Arbuckle formations over the interval 5762 to 6150'. Produced water in the Golden Spike Field will then be injected into this well for disposal.

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. Charles R. Hamm
SIGNED Charles R. Hamm TITLE Div. Prod. Mgr. DATE 8-11-70

(This space for Federal or State office use)

PERMIT NO. 70-295 APPROVAL DATE _____

APPROVED BY [Signature] TITLE DIRECTOR DATE SEP 2 1970
OIL & GAS CONS. COMM.

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

File in triplicate for Patented and Federal lands.
File in quadruplicate for State lands.

RECEIVED

AUG 14 1970

COLO. OIL & GAS CONS. COMM.

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
Inexco Oil Company

3. ADDRESS OF OPERATOR
200 Nat'l Found. Life Bldg., Okla. City, Okla. 73112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 660' FNL & 660' FEL of SE/4 Sec 12-16S-45W

At top prod. interval reported below
At total depth Same

14. PERMIT NO. 70295 DATE ISSUED 6-29-70

5. LEASE DESIGNATION AND SERIAL NO.
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Flowers

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Golden Spike

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 12-16S-45W

12. COUNTY OR PARISH Cheyenne 13. STATE Colo

15. DATE SPUDDED 7-14-70 16. DATE T.D. REACHED 8-1-70 17. DATE COMPL. (Ready to prod.) 8-5-70 18. ELEVATIONS (DF, REB, RT, GR, ETC.) 4332 GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6150' 21. PLUG, BACK T.D., MD & TVD ----- 22. IF MULTIPLE COMPL., HOW MANY ----- 23. INTERVALS DRILLED BY ROTARY TOOLS 0 - TD CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) None 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Sidewall Neutron Porosity 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
13 3/8"	48#	326'	17 1/4	250 sx	None
10 3/4"	32.75#	731'	12 1/4	150 sx	None
5 1/2"	14# & 15.5#	6150	7 7/8"	200 sx 50/50 Pozmix	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) None 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION DATE FIRST PRODUCTION Dry Hole PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Shutoff WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

35. LIST OF ATTACHMENTS SNE Log

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

SIGNED Charles R. Hamm TITLE Div. Prod. Mgr. DATE 8-11-70

Water Log

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.
Mississippian DST No. 1	5465	5520	Rec 190' drlg mud. FP - 41 - 112# ISIP - 1223#/60 min. FSIP - 838#/60 min.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Cherokee	4858	
Morrow	5150	
Miss	5330	
Kinderhook	5736	
Arbuckle	5790	

Mailing List
Owners of Record
Golden Spike Field
Cheyenne County, Colorado

RECEIVED
AUG 14 1970
COLO. OIL & GAS CONS. COMM.

Lessees:

Mobil Oil Corporation
P. O. Box 1934
Oklahoma City, Oklahoma
Attention: Mr. L. B. Agers

Union Pacific Railroad Company
Natural Resources Division
5480 Ferguson Drive
Los Angeles, California 90022
Attention: Mr. Howard Hines

Glyde Elizabeth Gutru
Double B Farms
Route 4
Wichita, Kansas 67230

J. A. Mull, Jr.
Suite 1625, Wichita Plaza
Wichita, Kansas

W/2 Section 7-16S-44W
W/2 and NE/4 Section 12-16S-45W
NW/4 Section 18-16S-44W
Section 13-16S-45W

Landowners (Surface and Minerals):

SE/4 Section 12-16S-45W

Anna Irene Asher (Surface)
Rural Route #2
Great Bend, Kansas 67520

Lanna B. Flowers
Arapaho, Colorado 80202

Plains Exploration Co.
1135 Petroleum Club Bldg.
Denver, Colorado 80202

Maragaret Mull
1625 Wichita Plaza
Wichita, Kansas

Lewis Mull
1625 Wichita Plaza
Wichita, Kansas

Michael E. Rathbone
10 Linden
Wichita, Kansas

Kay Rathbone Johnson
10 Linden
Wichita, Kansas

Bethryn Oil Company
909 Bitting Bldg.
Wichita, Kansas

Archie M. Lowe
Cheyenne Wells, Colorado

Marvin E. Lowe
Cheyenne Wells, Colorado

Merril A. Lowe
Cheyenne Wells, Colorado

RECEIVED

AUG 14 1970

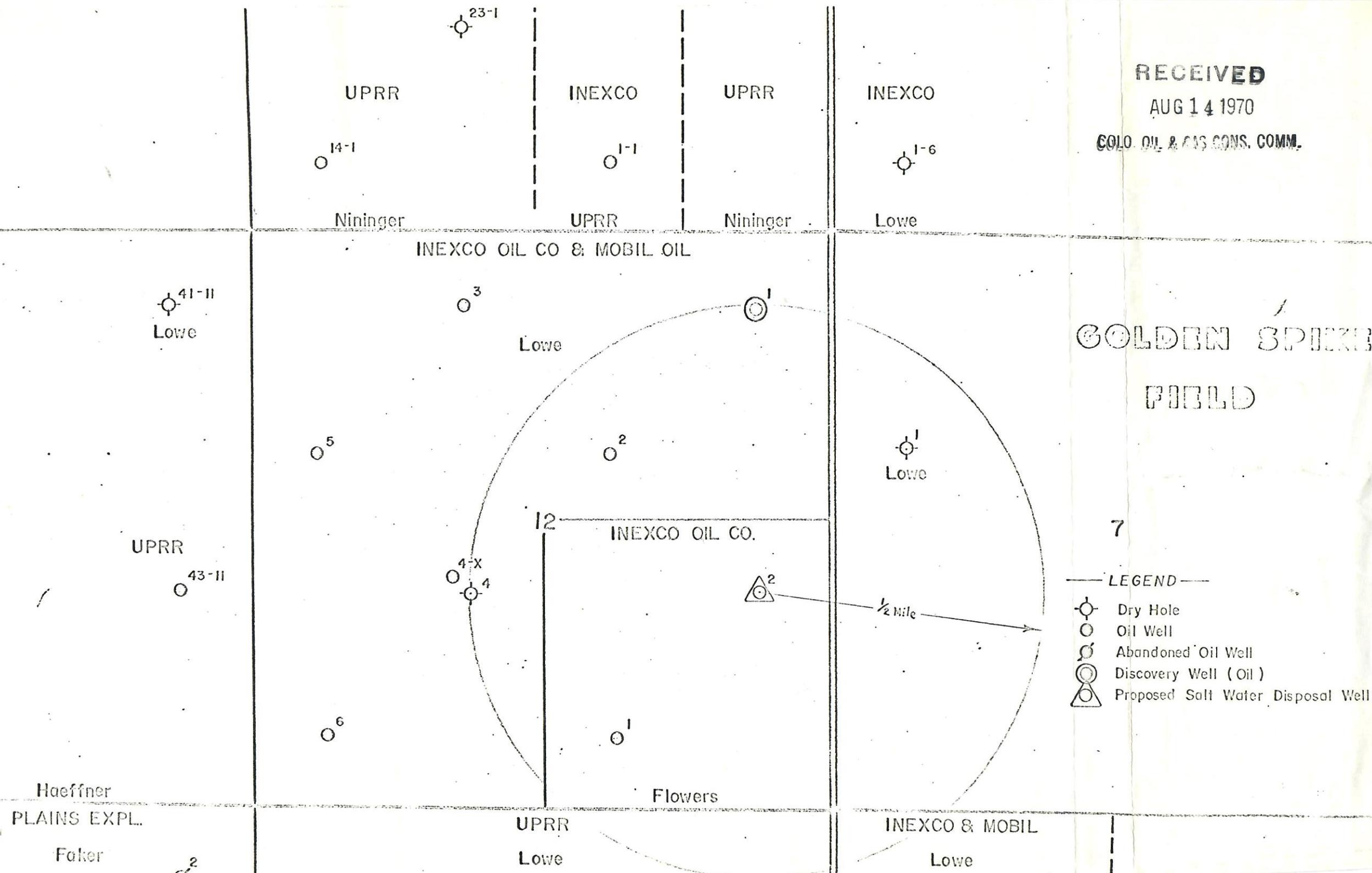
COLO. OIL & GAS CONS. COMM.

GOLDEN SPIKE FIELD

7

— LEGEND —

-  Dry Hole
-  Oil Well
-  Abandoned Oil Well
-  Discovery Well (Oil)
-  Proposed Salt Water Disposal Well



23-1

UPRR

INEXCO

UPRR

INEXCO

14-1

1-1

1-6

Nininger

UPRR

Nininger

Lowe

INEXCO OIL CO & MOBIL OIL

41-II

Lowe

3

Lowe

1

5

2

1
Lowe

UPRR

12

INEXCO OIL CO.

43-II

4-X
4

2

1/2 mile

6

1

Flowers

Haeffner
PLAINS EXPL.

UPRR

INEXCO & MOBIL

Faker

Lowe

Lowe