

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Sirgo-Collier, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 3531, Midland, Texas 79702

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

At surface

100' FNL, 1180' FEL, Section 31, T24S, R38E

At proposed prod. zone

Queen

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

7 miles Northeast of Jal, New Mexico

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

320

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

3900

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

3138 GL

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

WDQSU

8. FARM OR LEASE NAME

9. WELL NO.

31-78

10. FIELD AND POOL, OR WILDCAT

WDQSU Dollarhide Queen

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

Sec. 31, T24S, R38E

12. COUNTY OR PARISH 13. STATE

Lea

NM

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

August 8, 1987

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4	8 5/8	24	400
7 7/8	5 1/2	15.50	3900

QUANTITY OF CEMENT

250 sx 100% excess **CIRCULATE**
circulate to surface

Queen zone will be selectively perforated and stimulated as needed for optimum production.

Attached: 1. Well location and acreage dedication plat.
2. Supplemental drilling data.
3. Surface use plan.

RECEIVED
JUL 30 1 10 PM '87
CASH
AREA
OFFICE

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 follow-up program, if any.

Timothy D. Collier
Agent

(This space for Federal or State office use)

RECEIVED

APPROVAL DATE

APPROVED

DATE

July 29, 1987

8-6-87

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-127
Supersedes C-128
Effective 1-1-65

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

Operator SIRGO-COLLIER INC.			Lease WDQSU-31		Well No. 78
Unit Letter A	Section 31	Township 24 South	Range 38 East	County Lea	
Actual Footage Location of Well: 100 feet from the North line and 1180 feet from the East line					
Ground Level Elev. 3138.	Producing Formation Queen		Pool WDQSU	Dedicated Acreage 40	

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 R-2356

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

Timothy D. Collier

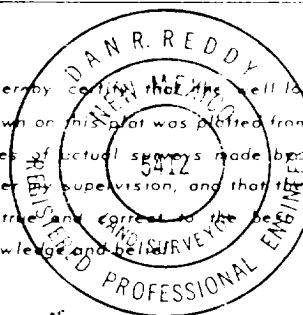
Timothy D. Collier

Agent

Sirgo-Collier, Inc.

July 29, 1987

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.

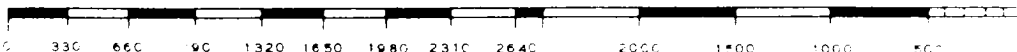


July 13, 1987

Registered Professional Engineer
State of New Mexico

Dan R. Reddy

NEW MEXICO NO. 5412



Supplemental Drilling Data
Sirgo-Collier, Inc.
WDQSU 31-78
100' FNL, 1180' FEL, Section 31, T-24-S, R-38-E
Lea County, New Mexico

1. Surface Formation: Tertiary Pliocene, GL 3188

2. Estimated Tops of Geologic Markers:

Rustler	1140'	T/Yates	2670'
Top/Salt	1300'	T/Queen	3570'
Base/Salt	2580'	B/Queen	
		TD	3900'

3. Anticipated Porosity Zones: Queen 3677'.. Oil

4. Casing Design:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8-5/8"	0 - 400'	24.00#	J-55	STC
5-1/2"	0 - 3900'	15.50#	J-55	STC

5. Surface Control Equipment: Double RAM-type, Series 900 + BOP with annular (See Exhibit).

6. Circulating Medium: Native, cut brine conditioned as necessary for control of viscosity and water loss.

7. Auxiliary Equipment: None

8. Testing, Logging and Coring Programs: Electric Logs - Dual Laterlog/MICRO Laterlog/Gamma Ray/Caliper Compensated Density Log. Possible core from 3750' - 3850'.

9. Abnormal Pressure, Temperature of Gases: None anticipated.

10. Anticipated Starting Date: Operations will commence upon approval approximately May 5, 1987. Duration of drilling, completion and testing, about 5 weeks.

Surface Use Plan For
Drilling, Completing and Producing

Sirgo-Collier, Inc.
WDQSU 31-78
100' FNL, 1180' FEL, Section 31, T-24-S, R-38-E
Lea County, New Mexico
GL

Located: Approximately 5 air miles northeast of Jal, New Mexico

Lease Number: LC-067968

Record Lessee: Sinclair

Bond Coverage: Sirgo-Collier, Inc., Federal Statewide

Acres in Lease: 320

Surface Owner: Bill & L.B. Grove and Estate of Clyde Cooper, Jal, New Mexico

Well Spacing: 40 acre West Dollarhide Queen Sand Unit

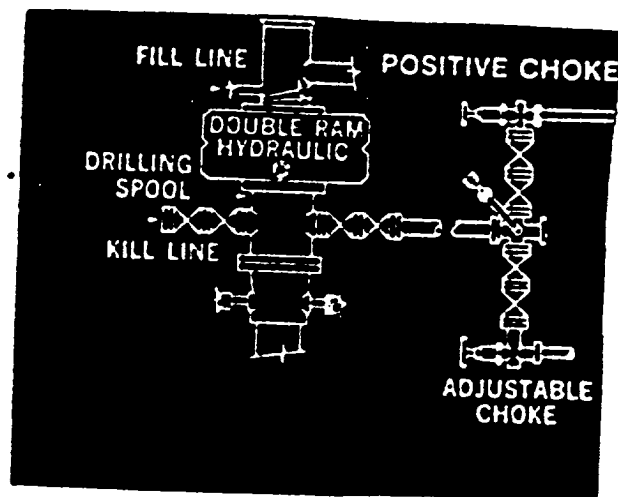
Exhibits:

- A - WDQSU Lease Map
- B - Topo
- C - Sketch of Well Pad
- D - Sketch of electrical lines if any and flow lines
- E - Road Map
- F - Well locations adjacent to drill location

BOP Description

PETERSON DRILLING COMPANY

Rig #2



RECEIVED
ALLIANCE 7 1987
OCD
HOBBS OFFICE

7 1987

7 1987