

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: Dual Complete  
NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other and Commingled

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780, Farmington, New Mexico

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

At surface 1750 F E/L and 944 F N/L

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

NM-03381

6. IF INDIAN, ALLOTTEE (OR TRIBE NAME)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech B

9. WELL NO.

220-R

10. FIELD AND POOL, OR WILDCAT

South Blanco-PC

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

Section 14 26 N 7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPURRED 6-1-79 16. DATE T.D. REACHED 6-18-79 17. DATE COMPL. (Ready to prod.) 10-15-79 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 6537 Gr. 19. ELEV. CASINGHEAD 6537

20. TOTAL DEPTH, MD & TVD 7323 21. PLUG, BACK T.D., MD & TVD 7323 22. IF MULTIPLE COMPL., HOW MANY\* 4 23. INTERVALS DRILLED BY 0-7323 ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 2720 to 2804 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Ran Density and Induction Logs 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
10 3/4	32.75#	360	15 1/4	225 sacks	None
7	23 & 26#	7323	8 3/4	1188 sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	5190	5283

31. PERFORATION RECORD (Interval, size and number)

2720 .32 1 2752 .32 1 2804 .32 1  
2728 .32 1 2779 .32 1  
2734 .32 1 2786 .32 1  
2740 .32 1 2794 .32 1  
2746 .32 1 2799 .32 1

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2720 to 2804	50,000# sand 1541 Bbls Water

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-22-79		Flowing				Shut In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-22-79	3 hrs	3/4	→		125		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
59	327	→		1005			

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

Vented

35. LIST OF ATTACHMENTS

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

SIGNED Charles Dequar TITLE Superintendent

DATE 10-23-79

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

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0703 6 1979

U. S. GEOLOGICAL SURVEY

# INSTRUCTIONS

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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.

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**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.)

**ID 7323.** Ran 7" 23 & 26# K-55 ST & C to 7323'. Cemented as follows: 1st thru shoe with 395 sacks 50-50 Poz, 6% Gel, and 12 1/2# Gilsontite per sack followed by 125 sacks Latex cement. 2nd Stage thru stage tool set at 5212' with 278 sacks 50-50 Poz, 6% Gel, and 12 1/2# Gilsontite per sack followed by 100 sacks Neat. 3rd Stage thru stage tool set at 3770' with 290 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsontite per sack followed by 100 sacks Neat.

Plug down on Final Stage 9:00 AM 6-19-79

37. SUMMARY OF FOMOS ZONES:  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION (SEI), TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2020	2190	Water Sand	Pictured Cliffs	2708	2708
Pictured Cliffs	2708	2800	Gas Sand	Chacra	3608	3608
Chacra	3608	3728	Gas Sand	Point Lookout	5020	5020
Point Lookout	5020	5155	Gas Sand	Dakota	7050	7050
Dakota	7050	7245	Gas Sand			
Hole Deviation Test (Degree)						
360	1					
750	3/4					
1364	3/4					
1861	3/4					
2115	3/4					
2829	3/4					
3331	1					
3833	1					
4213	1					
4808	1					
5311	3/4					
5816	1					
6317	1					
6818	1					
6972	1 1/4					
7340	1					

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <u>Dual Complete and Commingled</u>
2. NAME OF OPERATOR Caulkins Oil Company						7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 780, Farmington, New Mexico						8. FARM OR LEASE NAME Breech B	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1750 F E/L and 944 F N/L At top prod. interval reported below Same At total depth Same						9. WELL NO. 220-R	
10. FIELD AND POOL, OR WILDCAT Otero Chacra						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 14 26N 7W	
12. COUNTY OR PARISH Rio Arriba						13. STATE New Mexico	
14. PERMIT NO.		DATE ISSUED				15. DATE SPUDDED 6-1-79	
16. DATE T.D. REACHED 6-18-79		17. DATE COMPL. (Ready to prod.) 10-15-79		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6537 Gr.		19. ELEV. CASINGHEAD 6537	
20. TOTAL DEPTH, MD & TVD 7323		21. PLUG, BACK T.D., MD & TVD 7323		22. IF MULTIPLE COMPL., HOW MANY* 4		23. INTERVALS DRILLED BY → 0-7323	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3628 to 3788						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Ran Density and Induction Logs						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
10 3/4		32.75#		360		15 1/4	
7		23 & 26#		7323		8 3/4	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8		5190		5283			
31. PERFORATION RECORD (Interval, size and number)							
3628	.32	1	3648	.32	1	3720	.32 1
3634	.32	1	3650	.32	1	3724	.32 1
3638	.32	1	3654	.32	1	3788	.32 1
3644	.32	1	3716	.32	1		
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
3628 to 3788				50,000# 20-40 sand			
				1541 Bbls Water			
33.* PRODUCTION							
DATE FIRST PRODUCTION 10-22-79		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut In	
DATE OF TEST 10-22-79		HOURS TESTED 3 hrs		CHOKE SIZE 3/4		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. 59		CASING PRESSURE 327		CALCULATED 24-HOUR RATE →		OIL—BBL. 1005	
						GAS—MCF. 125	
						WATER—BBL. 1005	
						OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.							
SIGNED <u>Charles Dargatzis</u>		TITLE <u>Superintendent</u>				DATE <u>10-23-79</u>	

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

175

1973

WILEY

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**TD 7323.** Ran 7" 23 & 26# K-55 St & C to 7323'. Cemented as follows: 1st stage thru shoe with 395 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsomite per sack followed by 125 sacks Latex cement. 2nd Stage thru stage tool set at 5212' with 278 sacks 50-50 Poz, 6% Gel, and 12 1/2# Gilsomite per sack followed 100 sacks Neat. 3rd Stage thru stage tool set at 3770' with 290 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsomite per sack followed by 100 sacks Neat. Plug down on Final Stage 9:00 AM 6-19-79.

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FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
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Point Lookout	5020	5155	Gas Sand	Point Lookout	5020	5020
Dakota	7050	7245	Gas Sand	Dakota	7050	7050
Hole Deviation Test (Degree)						
360	1					
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5311	3/4					
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5034 to 5162		25. WAS DIRECTIONAL SURVEY MADE No																																					
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1871 E

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Chacra	3608	3728	Gas Sand	Chacra	3608	3608
Point Lookout	5020	5020	Gas Sand	Point Lookout	5020	5020
Dakota	7050	7245	Gas Sand	Dakota	7050	7050
Hole Deviation Test (Degree)						
360	1					
750	3/4					
1364	3/4					
1861	3/4					
2115	3/4					
2829	3/4					
3331	1					
3833	1					
4213	1					
4808	1					
5311	3/4					
5816	1					
6317	1					
6818	1					
6972	1 1/4					
7340	1					

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reverse side)Form approved.  
Budget Bureau No. 42-R855.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:		Dual Complete			
NEW WELL <input checked="" type="checkbox"/>		WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>
2. NAME OF OPERATOR		Caulkins Oil Company			
3. ADDRESS OF OPERATOR		P.O. Box 780, Farmington, New Mexico			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)		1750 FE/L and 944 F N/L			
At surface		1750 FE/L and 944 F N/L			
At top prod. interval reported below		Same			
At total depth		Same			
14. PERMIT NO.		DATE ISSUED			
15. DATE SPUED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)	
6-1-79		6-18-79		10-15-79	
18. ELEVATIONS (DF, R&B, RT, GR, ETC.)*		19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD	
6537 Gr.		6537		7323	
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
7323		4		0-7323	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE		26. TYPE ELECTRIC AND OTHER LOGS RUN	
7073 to 7240		No		Densilog and ES Induction Logs	
27. WAS WELL CORED		No		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD		31. PERFORATION RECORD (Interval, size and number)	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		37. SIGNED	
38. TITLE		39. DATE		40. TEST WITNESSED BY	
Superintendent		10-23-79		Vented	

\*(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 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.)

TD 7323'. Ran 7" 23 & 26# K-55 BT & C to 7323'. Cemented as follows: 1st Stage thru shoe with 395 sacks 50-50 Poz, 6% Gel, and 12 1/2# Gilsomite per sack followed by 125 sacks. Latex cement. 2nd Stage thru stage tool set at 5212' with 278 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsomite per sack followed by 100 sacks Neat. 3rd Stage thru stage tool set at 3770' with 290 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsomite per sack followed by 100 sacks Neat.

Plug down on Final Stage 9:00 AM 6-19-79.

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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2020	2190	Water Sand	Pictured Cliffs Chacra Point Lookout Dakota	2708	2708
Pictured Cliffs	2708	2800	Gas Sand		3608	3608
Chacra	3608	3728	Gas Sand		5020	5020
Point Lookout	5020	5155	Gas Sand		7050	7050
Dakota	7050	7245	Gas Sand			
Hole Deviation Test (Degree)						
360	1					
750	3/4					
1364	3/4					
1861	3/4					
2115	3/4					
2829	3/4					
3331	1					
3833	1					
4213	1					
4808	1					
5311	3/4					
5816	1					
6317	1					
6818	1					
6972	1 1/4					
7340	1					