

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.

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 <u>Commingled</u>										
2. NAME OF OPERATOR <u>Caulkins Oil Company</u>						7. UNIT AGREEMENT NAME											
3. ADDRESS OF OPERATOR <u>P.O. Box 780, Farmington, New Mexico</u>						8. FARM OR LEASE NAME <u>Breech</u>											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>790 F W/L and 987 F N/L</u> At top prod. interval reported below <u>Same</u> At total depth <u>Same</u>						9. WELL NO. <u>224-A</u>											
14. PERMIT NO.						10. FIELD AND POOL, OR WILDCAT <u>Otero Chacra</u>											
DATE ISSUED						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>Section 13 26N 7W</u>											
15. DATE SPUDDED <u>6-19-79</u>						12. COUNTY OR PARISH <u>Rio Arriba</u>											
16. DATE T.D. REACHED <u>7-9-79</u>						13. STATE <u>New Mexico</u>											
17. DATE COMPL. (Ready to prod.) <u>10-15-79</u>						18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <u>6499 Gr</u>											
19. ELEV. CASINGHEAD <u>6499</u>						20. TOTAL DEPTH, MD & TVD <u>7320</u>											
21. PLUG, BACK T.D., MD & TVD <u>7320</u>						22. IF MULTIPLE COMPL., HOW MANY* <u>3</u>											
23. INTERVALS DRILLED BY <u>0-7320</u>						24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>3618 to 3716 Chacra</u>											
25. WAS DIRECTIONAL SURVEY MADE <u>No</u>						26. TYPE ELECTRIC AND OTHER LOGS RUN <u>Ran Density and E S Logs</u>											
27. WAS WELL CORED <u>No</u>						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#		365		15		225 sacks		None							
7		23 & 26#		7320		8 3/4		1030 sacks		None							
29. LINER RECORD						30. TUBING RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)			
														5180			
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
3618 to 3628 .42 1						DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED					
3706 to 3716 .42 1						3618 to 3726						50,000# 20-40 sand					
												1381 Bbls water					
33. PRODUCTION						34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY					
DATE FIRST PRODUCTION <u>10-22-79</u>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <u>Flowing</u>				WELL STATUS (Producing or shut-in) <u>Shut-in</u>											
DATE OF TEST <u>10-22-79</u>		HOURS TESTED <u>3 hrs</u>		CHOKE SIZE <u>3/4</u>		PROD'N. FOR TEST PERIOD <u>→</u>		OIL—BBL. <u>1,926</u>		GAS—MCF. <u>241</u>		WATER—BBL. <u>124</u>		OIL GRAVITY API (CORR) <u>NOV 5 1979</u>			
FLOW. TUBING PRESS. <u>124</u>		CASING PRESSURE <u>716</u>		CALCULATED 24-HOUR RATE <u>→</u>		OIL—BBL. <u>1,926</u>		GAS—MCF. <u>241</u>		WATER—BBL. <u>124</u>		OIL CON. COM. <u>Dist. 3</u>					
35. LIST OF ATTACHMENTS <u>Vented</u>						36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED <u>Charles J. [Signature]</u>						TITLE <u>Superintendent</u>						DATE <u>10-23-79</u>					

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

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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.

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.)

TS-7320'. Ran 7" 23 & 26# K-55-ST & C to 7320'. Cemented as follows: 1st Stage thru shoe with 165 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsonite per sack followed by 125 sacks Latex.cement. 2nd Stage thru stage tool set 5221' with 165 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsonite per sacks followed 100 sacks Neat. 3rd Stage thru stage tool set at 3773' with 375 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsonite per sack followed by 100 sacks Neat. Plug down on Final Stage 10:00 PM 7-8-79.

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2015	2158		Chacra	3605	3605
Pictured Cliffs	2710	2800		Mesa Verde	5020	5020
Chacra	3605	3774		Dakota	7040	7040
Point Lookout	5020	5145				
Dakota	7040	7227				
Hole Deviation Test (Degree)						
855	1/2					
1355	1/2					
2156	1					
3432	2					
3937	1 3/4					
4328	2					
4823	1 3/4					
5323	1 1/2					
6112	1 1/2					
6554	1 1/4					
7083	3/4					
7320	3/4					

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(See other in-
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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:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other
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 790 F W/L and 987 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-03733					
6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
7. UNIT AGREEMENT NAME							
8. FARM OR LEASE NAME		Breech					
9. WELL NO.		224-A					
10. FIELD AND POOL, OR WILDCAT		Blanco-Mesa Verde					
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA		Section 13 26N 7W					
12. COUNTY OR PARISH		Rio Arriba					
13. STATE		New Mexico					
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, REB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD			
6-19-79	7-9-79	10-15-79	6499 Gr.	6499			
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS		
7320	5743	3	→	0-7320			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*					25. WAS DIRECTIONAL SURVEY MADE		
5022 to 5142 Mesa Verde					No		
26. TYPE ELECTRIC AND OTHER LOGS RUN					27. WAS WELL CORED		
Ran Density and ES Logs					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#	365	15	225 sacks	None		
7	23 & 26#	7320	8 3/4	1030 sacks	None		
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)			
30. TUBING RECORD							
SIZE	DEPTH SET (MD)	PACKER SET (MD)					
1 1/4	5090	5180					
31. PERFORATION RECORD (Interval, size and number)							
5022	.32	1	5078	.32	1		
5026	.32	1	5082	.32	1		
5030	.32	1	5090	.32	1		
5032	.32	1	5125	.32	1		
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED				
5022 to 5142			100,000# 20-40 sand				
			1111 Bbls Water				
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or In)			
10-22-79		Flowing		In			
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF		
10-22-79	3 hrs		→		241		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.		
124	716	→		1926			
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		TITLE		DATE			
Charles Vergara		Superintendent		NOV 5 1979			

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

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INSTRUCTIONS

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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-7320'. Ran 7" 23 & 26# K-55 ST & C to 7320'. Cemented as follows: 1st Stage thru shoe with 165 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsonite per sack followed by 125 sacks Latex cement. 2nd Stage thru stage tool set 5221' with 165 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsonite per sack followed by 100 sacks Neat. 3rd stage thru stage tool set at 3773' with 375 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsonite per sack followed by 100 sacks Neat. Plug down on Final Stage 10:00 PM 7-8-79.

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2015	2158		Chacra	3605	3605
Pictured Cliffs	2710	2800		Mesa Verde	5020	5020
Chacra	3605	3774		Dakota	7040	7040
Point Lookout	5020	5145				
Dakota	7040	7227				
Hole Deviation Test (Degree)						
855	1/2					
1355	1/2					
2156	1					
3432	2					
3937	1 3/4					
4328	2					
4823	1 3/4					
5323	1 1/2					
6112	1 1/2					
6554	1 1/4					
7083	3/4					
7320	3/4					

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(See other instructions on reverse side)

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5. LEASE DESIGNATION AND SERIAL NO.

NM-03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech

9. WELL NO.

224-A

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 13 26N 7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

19. ELEV. CASINGHEAD

6499

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

Dual Complete

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

790 F W/L and 987 F N/L

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

6-19-79

16. DATE T.D. REACHED

7-9-79

17. DATE COMPL. (Ready to prod.)

10-15-79

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

6499 Gr.

20. TOTAL DEPTH, MD & TVD

7320

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

7320

22. IF MULTIPLE COMPL., HOW MANY*

4

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-7320

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

7048 to 7198 Dakota

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Ran Density and E.S. Logs

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4	32.75#	365	15	225sacks	None
7	23 & 26#	7320	8 3/4	1030 sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	7080	5180

31. PERFORATION RECORD (Interval, size and number)

7048	.32	1	7142	.32	1	7198	.32	1
7053	.32	1	7146	.32	1	7200	.32	1
7064	.32	1	7155	.32	1	7212	.32	1
7074	.32	1	7186	.32	1	7221	.32	1
7138	.32	1	7192	.32	1			

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7048 to 7221	108,700# 20-40 sand
	2288 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

→

OIL—BBL.

GAS—MCF.

171

WATER—BBL.

GAS-OIL RATIO

FLOW. TUBING PRESS.

85

CASING PRESSURE

PKR

CALCULATED 24-HOUR RATE

→

OIL—BBL.

GAS—MCF.

1374

WATER—BBL.

OIL GRAVITY-API (CORR.)

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

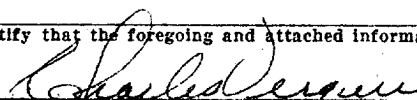
Vented

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



TITLE

Superintendent

DATE

10-23-79

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1973

1973

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SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORP. 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.	38. GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
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Pictured Cliffs	2710	2800		Chacra	3605
Chacra	3605	3774		Mesa Verde	5020
Point Lookout	5020	5145		Dakota	7040
Dakota	7040	7227			
Hole Deviation Test (Degree)					
855	1 1/2				
1355	1 1/2				
2156	1				
3432	2				
3937	1 3/4				
4328	2				
4823	1 3/4				
5323	1 1/2				
6112	1 1/2				
6554	1 1/4				
7083	3/4				
7320	3/4				