

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

NM 03551

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech E

9. WELL NO.

54E

10. FIELD AND POOL, OR WILDCAT Otero

Chacra-Blanco Mesa Verd

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

Section 4 26N 6W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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 990' F/S & 990' F/E

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

5-29-80

6-13-80

10-23-80

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

6461 GR

19. ELEV. CASINGHEAD

6461

20. TOTAL DEPTH, MD & TVD

7410

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

7410

22. IF MULTIPLE COMPL., HOW MANY*

Two

23. INTERVALS DRILLED BY

0-7410

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

3890-3900 Chacra 5098 - 5276 Mesa Verde

25. TYPE ELECTRIC AND OTHER LOGS RUN

E S Induction

NO

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENT	AMOUNT PULLED
10 3/4"	32.75#	330	13 3/4"		None
7"	26 & 23	7410	8 3/4"		None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	5301	5342

31. PERFORATION RECORD (Interval, size and number)

1 .42" dia. hole at following points:
5276, 5261, 5252, 5234, 5203, 5168, 5160,
5108, 5098, 3890, 3891, 3892, 3893, 3894,
3895, 3896, 3897, 3898, 3899, 3900

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5098 - 5276	60000 # 20-40 sand and 1346 barrels water
3890 - 3900	40000# 20-40 sand and 1106 barrels water

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-30-80		Flowing				Shut In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-30-80	3	3/4"	→		140		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
67	531	→		1118			

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

11-4-80

*(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 33.

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 7410' Ran 7" 23# & 26# K-55 LT&C casing to 7410' and cemented as follows: 1st Stage thru shoe with 150 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsonite per sack followed by 150 sacks Neat. 2nd Stage thru stage tool set at 5372' with 200 sacks 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks Neat. 3rd Stage thru stage tool set at 3972' with 800 sacks 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 50 sacks Neat. Plug down at 12:20 6-14-80

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
Alamo	2302	2381	Water Sand	Alamo	2302	2302
Pictured Cliffs	2890	2960	Gas Sand	Pictured Cliffs	2890	2890
Chacra	3816	3900	Gas Sand	Chacra	3816	3816
Mesa Verde	4603	5276	Gas Sand	Mesa Verde	4603	4603
Dakota	7130	7370	Gas Sand	Dakota	7130	7130
Hole Deviation (Degrees)						
330	1/4	5843	3/4			
830	1/4	6344	3/4			
1342	1/4	6832	1			
1841	1/2	7332	1			
2347	1/2					
2847	1/2					
3346	1/2					
3845	1/2					
4345	1/2					
4845	1/2					
5345	1/2					

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7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech E

9. WELL NO.

54E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 4 26N 6W

12. COUNTY OR PARISH

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New Mexico

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

990' F/S & 990' F/E

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPURRED

5-29-80

16. DATE T.D. REACHED

6-13-80

17. DATE COMPL. (Ready to prod.)

10-23-80

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6461 GR

19. ELEV. CASINGHEAD

6461

20. TOTAL DEPTH, MD & TVD

7410

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

7410

22. IF MULTIPLE COMPL., HOW MANY*

Two

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

7136 to 7362 Dakota

25. TYPE ELECTRIC AND OTHER LOGS RUN

E S Induction

26. 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	330	13 3/4"	200	None
7"	23 & 26	7410	8 3/4"	1675	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	7285	5342

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
7356 - 7362	.42	6
7263 - 7285	.42	22
7136 - 7156	.42	20
7180	.42	4

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

33.* PRODUCTION 7136-7180 60,000# 20-40 sand and 1122 bbls water

DATE FIRST PRODUCTION 10-30-80 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing 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
10-30-80	3	3/4"	→		168		
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
83	PKR	→		1345			

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

Charles Vergun

TITLE

Superintendent

DATE

11-4-80 1980

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Mesa Verde	7130	7370	Gas Sand	Mesa Verde	7130	7130
Dakota				Dakota		
Hole Deviation (Degrees)						
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