

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.

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.

812

10. FIELD AND POOL, OR WILDCAT

Otero Chacra

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

Section 18 26N 6W

12. COUNTY OR
PARISH

Rio Arriba

13. STATE

New Mexico

1. TYPE OF WELL:

OIL

WELL

☐

GAS

WELL

☒

DRY

☐

Other

2. TYPE OF COMPLETION:

NEW

WELL

☒

WORK

OVER

☐

DEEP-

EN

☐

PLUG

BACK

☐

DIFF.

RESVR

☐

Other

Dual Completed

and Commingled

3. NAME OF OPERATOR

Caulkins Oil Company

4. ADDRESS OF OPERATOR

P.O. Box 780, Farmington, New Mexico

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

At surface 1493 F W/L and 967 F S/L

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

7-15-79

16. DATE T.D. REACHED

8-1-79

17. DATE COMPL. (Ready to prod.)

8-24-79

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

6663 Gr.

19. ELEV. CASINGHEAD

6663

20. TOTAL DEPTH, MD & TVD

7500

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

7500

22. IF MULTIPLE COMPL.,
HOW MANY*

3

23. INTERVALS
DRILLED BY

→

ROTARY TOOLS

0-7500

CABLE TOOLS

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

3814 to 3912

Chacra

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#	362	15	225 sacks	None
7	23 & 26#	7500	8 3/4	1108 sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4	5301	5416

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

3814 to 3832 .42 18

3902 to 3912 .42 10

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3814 to 3912	50,000# 20-40 sand and 1391 Bbls Water

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-1-79		Flowing				Shut In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-1-79	3 hrs	3/4	→		205		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
104	655	→		642		117E	

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

Superintendent

DATE

10-9-79

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

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.

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 7500, Ran 7' 23 & 26# K-55 Sm's Csg to 7500'. Cemented as follows: 1st Stage thru shoe with 150 sacks Class B 50-50 Poz, 6% Gel with 12 1/2# Gilsomite per sack followed by 125 sacks Latex cement. 2nd Stage thru stage tool at 5451' with 150 sacks Neat. 3rd Stage thru tool at 3946' with 483 sacks Class B 50-50 Poz, 6% Gel and 12 1/2# Gilsomite per sack followed by 50 sacks Neat.

Plug down 3:15 AM 8-4-79.

37. SUMMARY OF POROSITY 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

DESCRIPTION, CONTENTS, ETC.

38.

GEOLOGIC MARKERS

NAME

MEAS. DEPTH

TOP

TRUE VERT. DEPTH

Ojo Alamo	2222	2402	Water Sand		
Pictured Cliffs	2930	2986	Gas Sand		
Chacra	3805	3920	Gas Sand		
Cliff House	4580	4600	Water Sand		
Point Lookout	5210	5295	Gas Sand		
Greenhorn	7108	7165	Gas Sand		
Granceas	7220	7260	Gas Sand		
Dakota	7305	7400	Gas Sand		
Morrison	7410				
Hole Deviation	Test (Degrees)				
2475	1/2				
2761	3/4				
3295	3/4				
3720	3/4				
4080	3/4				
4980	1				
5625	1				
6100	2				
6343	1 3/4				
6612	1 1/3				
6997	1 1/4				
7500	1 3/4				

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side.)Form approved.
Budget Bureau No. 42-R355.6.

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.

812

10. FIELD AND POOL, OR WILDCAT

Blanco-Mesa Verde

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

Section 18 26N 6W

12. COUNTY OR
PARISH

Rio Arriba

13. STATE

New Mexico

14. TYPE OF WELL:

OIL WELL ☐GAS WELL ☒DRY ☐

Other

5. TYPE OF COMPLETION:

CROW
WELL ☒WORK
OVER ☐DEEP
FN ☐PLUG
BACK ☐DIFF.
RESVR. ☐

Other

Dual Completed
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 1493 F W/L and 967 F S/L

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

7-15-79

16. DATE T.D. REACHED

8-1-79

17. DATE COMPL. (Ready to prod.)

8-24-79

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

6663 Gr

19. ELEV. CASINGHEAD

6663

20. TOTAL DEPTH, MD & TVD

7500

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

7500

22. IF MULTIPLE COMPL.,
HOW MANY*

3

23. INTERVALS
DRILLED BY

→

ROTARY TOOLS

0-7500

CABLE TOOLS

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

7224 to 7394

Mesa Verde

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

7424 to 7394

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#	362	15	225	None
7	23 & 26#	7500	8 3/4	1108	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4	5301	5416

31. PERFORATION RECORD (Interval, size and number)

5268-5286	.42 18	5350	.42 1	5212-5222	.42 10
5314	.42 1	5338	.42 1		
5326	.42 1	5364	.42 1		
5332	.42 1				
5340	.42 1				

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5268 to 5364	50,000# 20-40 sand & 1341 BW
5212 to 5222	50,000# 20-40 sand & 1454 BW

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY API (CORR.)
10-1-79	Flowing	10-1-79	3 Hrs	3/4	→		205		

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

Superintendent

OCT 15 1979
DATE 10-9-79*(See Instructions and Spaces for Additional Data on Reverse Side), GEOLOGICAL SURVEY
DENVER, COLO.

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 production 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 7500. Ran 7" 23 & 26# K-55 Smls Csg to 7500'. Cemented as follows: 1st Stage thru shoe with 150 sacks Class B 50-50 Poz, 6% Gel with 12 1/2# Gilsomite per sack followed by 125 sacks Latex cement. 2nd Stage thru stage tool at 5451' with 150 sacks Neat. 3rd Stage thru tool at 3946' with 483 sacks Class B 50-50 Poz, 6% Gel and 12 1/2# Gilsomite per sack followed by 50 sacks Neat. Plug down 3:15 AM 8-4-79.

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	TRON VERT. DEPTH
Ojo Alama	2222	2402	Water Sand	Pictured Cliffs	2930	2930
Pictured Cliffs	2930	2986	Gas Sand	Chacra	3805	2920
Chacra	3805	3920	Gas Sand	Point Lookout	5210	5210
Cliff House	4580	4600	Water Sand	Greenhorn	7108	7108
Point Lookout	5210	5295	Gas Sand	Dakota	7305	7305
Greenhorn	7108	7165	Gas Sand			
Granceas	7220	7260	Gas Sand			
Dakota	7305	7400	Gas Sand			
Morrison	7410					
Hole Deviation Test (Degrees)						
2475	1/2					
2761	3/4					
3295	3/4					
3720	3/4					
4080	3/4					
4980	1					
5085	1					
6100	2					
6343	1 3/4					
6612	1 1/3					
6997	1 1/4					
7500	1 3/4					

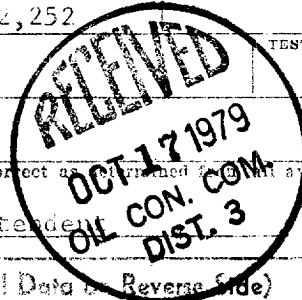
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 _____				5. LEASE DESIGNATION AND SERIAL NO. NM-03733	
b. TYPE OF COMPLETION: Dual Completed and NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other <u>Commingled</u>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
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	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1493 F W/L and 967 F S/L At top prod. interval reported below Same At total depth Same				9. WELL NO. 812	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Basin-Dakota	
15. DATE SPUDDED 7-15-79				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 18 26N 6W	
16. DATE T.D. REACHED 8-1-79				12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 8-24-79				13. STATE New Mexico	
18. ELEVATIONS (OF RKB, RT, GR, ETC.)* 6663 CR.				19. ELEV. CASINGHEAD 6663	
20. TOTAL DEPTH, MD & TVD 7500		21. PLUG BACK T.D., MD & TVD 7500		22. IF MULTIPLE COMPL., HOW MANY* 3	
23. INTERVALS DRILLED BY 0-7500		ROTARY TOOLS		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 7224 to 7394 Dakota				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#	362	15	225 sacks	None
7	23 & 26#	7500	8 3/4	1108 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	7332	5416			
31. PERFORATION RECORD (Interval, size and number)					
7224-46	.42	22 holes			
7310-30	.42	20 holes			
7360-74	.42	14 holes			
7384-94	.42	10 holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
7360-7394			24,780# 20-40 sand 830 BW		
7310-7330			60,000# 20-40 sand 1732 BW		
7224-7246			60,000# 20-40 sand 1725 BW		
33. PRODUCTION					
DATE FIRST PRODUCTION 10-8-79		PRODUCTION METHOD Flowing, gas lift, pumping--size and type of pump		WELL STATUS (Producing or shut-in) Shut In	
DATE OF TEST 10-8-79		HOURS TESTED 3 hrs	CHOKED SIZE 5/8	PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS. 147		CASING PRESSURE FKK	CALCULATE 24-HOUR RATE	OIL--BBL. 2,252	GAS--MCF. 281
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 far as known and available records					
SIGNED _____		TITLE Superintendent		DATE OCT 15 1979	
* (See Instructions and Spaces for Additional Data on Reverse Side)					

OCT 15 1979
U.S. GEOLOGICAL SURVEY
DENVER, COLO.

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ID 7500. Ran 7" 33 26# K-55 Smls Cg to 7500', and Cemented as follows: 1st Stage thru shoe with 150 sks, Class B 50-50 Poz, 6%Gel with 12 1/2# Gilsomite per sack followed by 125 sacks Latex cement, 2nd Stage thru stage tool at 5451' with 150 sks Latex cement, 3rd Stage thru tool at 3946' with 483 sacks Class B 50-50 Poz containing 6% Gel and 12 1/2# Gilsomite per sack followed by 50 sacks Neat.

Plug down 3:15 AM 8-4-79.

37. SUMMARY OF POROS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORRO 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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2222	2402	Water Sand	Pictured Cliffs	2930	2930
Pictured Cliffs	2930	2986	Gas Sand			
Chacra	3805	3920	Gas Sand			
Cliff House	4580	4600	Water Sand			
Point Lookout	5210	5295	Gas Sand			
Greenhorn	7108	7165	Gas Sand	Greenhorn	7108	7108
Grancea	7220	7260	Gas Sand			
Dakota	7305	7400	Gas Sand			
Morrison	7410		Gas Sand	Dakota	7305	7305
Hole Deviation	Test (Degrees)					
2475	1 1/2					
2761	3 3/4					
3295	3 3/4					
3720	3 3/4					
4080	3 3/4					
4980	1					
5085	1					
6100	2					
6343	1 3/4					
6612	1 1/3					
6997	1 1/4					
7500	1 3/4					