Form 9-330
(Rev. 5-63)

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: 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: 858' From the South and 927' From the East
At top prod. interval reported below: Same
At total depth: Same

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FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.: NM 03553
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Breech D
9. WELL NO.: 685E
10. FIELD AND POOL, OR WILDCAT: Basin Dakota
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 11 26N 6W
12. COUNTY OR PARISH: Rio Arriba
13. STATE: New Mexico
14. PERMIT NO.:
DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
6-07-82	6-26-82	8/3/82	6529 GR	6529 GR

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
7500'	7500'	Two	→	0-7500	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 7470-7260 Dakota

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: IES-Gamma

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
9 5/8"	32.30#	318	13 3/4"	250 Sacks (290 cuft)	None
5 1/2"	17 & 15.5#	7500	7 7/8"	1300 Sacks (2004 cuft)	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 1/16"	7259	5504

31. PERFORATION RECORD (*Interval, size and number*)
1 .42 Dia 7470
1 .42 dia 7466
1 .42 dia 7462
1 .42 dia 7458
1 .42 dia 7454
1 .42 dia 7394
1 .42 dia 7390
1 .42 dia 7386
1 .42 dia 7274
1 .42 dia 7264
1 .42 dia 7260

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7470-7260	172,600# 20-40 sand and 2553 bbls. Cross Link-Fluid.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
8/10/82	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-10-82	3 Hours	3/4"	→		119		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
55	PKR	→		949		

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Gas to be sold to Gas Company of New Mexico. (Condensate to Shell Oil Co.)

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS:

ACCEPTED FOR RECORD

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

SIGNED Charles E. Vergun TITLE Superintendent DATE 9/27/82

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

NMOCC

FARMINGTON, N. M.
BY

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 7500'. Ran 5 1/2" 17&15.5# St&C and Lt&C casing at 7500' and cemented as follows. First stage Thru shoe with 250 sacks (412.50 cu ft) 50-50 Poz, 6% Gel 12 1/2# Gilsonite per sack followed by 100 sacks (118 cu ft) Neat Cement. Plug down 8:45 PM. Second stage thru stage tool set at 5450' with 250 sacks (412.50 cu ft) 50-50 Poz, 6% Gel 12 1/2# Gilnosite per sack followed by 100 sacks (118 cu ft) Neat Cement. Plug down 10:30 PM. Third stage thru stage tool set at 3440' with 500 sacks (825 cu ft) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 cu ft) Neat Cement.

37. SUMMARY OF POROUS ZONES: Plug down 12:25 AM 6-27-82

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.
Alamo	2369	2553	Water Sand
Pictured Cliffs	3023	3086	Gas Sand
Mesa Verde	4690	5426	Gas Sand
Dakota	7210	7446	Gas Sand

Hole Deviation Test

Depth	Degrees	Depth	Degrees
329	3/4	4430	1/2
829	3/4	4569	1
1331	3/4	5070	1
1400	1/2	5585	1
1900	1/4	6084	1
2406	3/4	6582	1
2569	3/4	6913	3/4
3069	3/4	7265	3/4
3425	1/4	7500	1
3942	1/2		

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Alamo	2369	2369
Pictured Cliffs	3023	3023
Mesa Verde	4690	4690
Dakota	7210	7210

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Ran 5 1/2" Production Casing as follows:

7500 to 6471	(1029)	5 1/2"	17#	ST&C
6471 to 867	(5604)	5 1/2"	15.5#	ST&C
867 to Surface	(867)	5 1/2"	17#	LT&C

Stage Tools set at 5450' and 3440'.

Cemented first stage thru shoe at 7500' with 250 sacks (412.5 cu ft) 50 50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 cu ft) Neat. Plug down 8:45 PM 6/26/82.

Cemented second stage thru stage tool set at 5450' with 250 sacks (412.5 cu ft) 50 50 Poz, 6% Gel 12 1/2# Gilsonite per sack, followed by 100 sacks (118 cu ft) Neat. Plug down 10:30 PM 6/26/82.

Cemented third stage thru stage tool set at 3440' with 500 sacks (825 cu ft) Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks(118 cu ft) Neat. Plug down 12:25 AM 6/27/82.

Note: Cement Circulated above both tools and to surface. Circulated approx 15 bbls. slurry to surface.

Cement Baskets at 5535' and 3514'.

Centralizers set at following: 7459, 7418, 7377, 7337, 7297, 7256, 7215, 7174,7134, 7093, 7052, 7014, 6973, 6932, 6887, 6846, 6811, 6770, 5579, 5409, 5328, 5286, 3595 and 3391.