

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.

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 _____
2. NAME OF OPERATOR CONSOLIDATED OIL AND GAS COMPANY						5. LEASE DESIGNATION AND SERIAL NO. SF 078707	
3. ADDRESS OF OPERATOR 1260 LINCOLN ST., DENVER, COLORADO						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1850 EBL AND 750 EBL SEC 7 31N 12W At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME	
14. PERMIT NO.						9. WELL NO. 1-M	
DATE ISSUED						10. FIELD AND POOL, OR WILDCAT BLANCO MV	
15. DATE SPUNDED 10-26-79						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC 7 31 N 12 W	
16. DATE T.D. REACHED 11-9-79						12. COUNTY OR PARISH SAN JUANM	
17. DATE COMPL. (Ready to prod.) 1-25-80						13. STATE N.M.	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5923 GB						19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 7085		21. PLUG, BACK T.D., MD & TVD 7066		22. IF MULTIPLE COMPL., HOW MANY* 3		23. INTERVALS DRILLED BY 7085 TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* MESA VERDE IND/GR CNI/CDL						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN IND/GR CNI/CDL						27. WAS WELL CORED NONE	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8		24		272		12-1/2	
5-1/2		15.5		7077		7-7/8	
				1 IV TOOL		4952	
				1 IV TOOL		1315	
						200 sacks	
						375 200 sacks	
						200 shz	
						375	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
1-1/2		6901		6740			
1-1/2		4917					
31. PERFORATION RECORD (Interval, size and number)							
4851-4891 11 holes .32 hole							
4684-4769 17 holes .32 hole							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
4851-4891				acidized 1000 g 15% 39,500 g			
				75 q foam 49,000# sand			
4684-4769				acidized 1000 g 15% 115,000 g			
				75 q foam 152,500# sand			
33. PRODUCTION							
DATE FIRST PRODUCTION 1-26-80		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flow				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 1-26-80		HOURS TESTED 3		CHOKE SIZE 3/4		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE →		OIL—BBL. 1614	
						GAS—MCF. 202	
						WATER—BBL.	
						GAS-OIL RATIO MA 21 1980	
						OIL CON. CORR. DIST. 3	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vent For Test						TEST WITNESSED BY Neil Tetter	
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 Caryl Moore		TITLE PROD. SUPT.				DATE 2-26-80	

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other ☐
2. NAME OF OPERATOR
M. J. ...
3. ADDRESS OF OPERATOR
M. J. ...
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: ...
AT TOP PROD. INTERVAL: ...
AT TOTAL DEPTH: ...
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	
FRACTURE TREAT	
SHOOT OR ACIDIZE	
REPAIR WELL	
PULL OR ALTER CASING	
MULTIPLE COMPLETE	
CHANGE ZONES	
ABANDON*	
(other)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5. LEASE
100-10707
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
NONE
9. WELL NO.
1-1
10. FIELD OR WILDCAT NAME
BLAKE 111
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC 7 31N 12W
12. COUNTY OR PARISH
JACKSON
13. STATE
LA.
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
2000.0

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

[illegible]

Subsurface Safety Valve: Manu. and Type

Set @ ... Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE _____ DATE 2-25-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY _____

*See Instructions on Reverse Side

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7 T31N, R12W, San Juan
County.

1-8-80

Days: 29; Present Operation: Prep to retrieve BP.
Strung up blewie line. POH w/2-7/8" tubing. PU retrieving head &
Baker F nipple. RIH to 3400'. Unloaded hole w/air. Took 425#.
RIH to 6800'+. Unloaded w/air. Left well blowing overnight.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan
County.

1-9-80

Days: 30; Depth: Prep to test prod packer w/pump and plug.
RIH and tagged sand @ 6850'. RU Western. Circ sand out to 7012'.
Used 500 bbl water to circ out sand (csg volume approx 166 bbl so
perfs taking water). Retrieved BP. POH w/wet string. Hole un-
loaded. RU Schlumberger. Lubricated Baker Model F prod packer
w/pushout plug in hole. Set @ 6740'. SDON.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan
County.

1-10-80

Days: 31; Present Operation: Flowing back frac on Lower MV. RU
Western. Pressure test Baker Model "F" packer. Knock out plug
w/3800#. Held OK. RU Schlumberger. Perf 4851', 53', 66',
68', 70', 72', 83', 85', 87', 89' & 91' (11 holes) w/.32" hole.
RIH w/Baker Model "F" packer. Set @ 4513'. Pressure backside w/
1500#. RU Western. BD Mesaverde perfs & established rate BD @
2700#. Established rate of 8-1/2 BPM @ 2300#. Acidized w/1000
gal 15% NE acid and 22 ball sealers. Dropped 1 ball every 2 bbls
acid and 11 balls in first 5 bbl flush. Had good ball action and
solid ball off @ 3800#. Rigged up Nowsco and opened bypass on
Model "R" packer. Unloaded hole w/32,000 cubic feet of N₂. Re-
leased packer. RIH and knocked off balls. RU Nowsco and Western
and foam frac'd as follows:
39,550 gal Quality 75 foam
21,000# 20-40 sand
28,000# 10-20 sand
Pumped frac as follows:
7000 gal Quality 75 foam acid
7000 gal Quality 75 foam w/1 ppg 20-40
7000 gal Quality 75 foam w/2 ppg 20-40
14,000 gal Quality 75 foam w/2 ppg 10-20
4850 gals Quality 75 foam flush
Min pressure 2200#, Max pressure 2450#, Average pressure 2300#,
Min rate 18 BPM, Max rate 20 BPM, Average rate 20 BPM. ISIP 2000#,
15 minutes 1650#. Opened well to pit thru 2-3/8" x 1/2" tapped
plug. Nitrogen used 721,200 cubic feet, used 303 bbls water.
This morning @ 7 A.M. Well flowing thru tapped plug @ 75# CP.
Removed tapped plug and flowed thru 2" line. Estimated rate of
3300 Mcf gas & nitrogen w/heavy mist of water (too wet and too
much nitrogen to burn continuously).

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan
County.

1-11-80

Days: 32; Present Operation: Prep to acidize upper MV perfs.
Flowed back lower MV zone after foam frac.
8:30 A.M. 1020 Mcf w/heavy spray water & occasional slugs
10 A.M. 900 Mcf w/heavy spray water & occasional slugs
11 A.M. 900 Mcf w/heavy spray water & occasional slugs
Too wet to burn. Appeared to be almost all gas. Flare would
burn, but slugs of water would put it out. Rigged up Bluejet.
RIH w/Baker wireline & set RBP @ 4806'. RU Western. Filled
hole w/107 bbls 1% K Cl. Pressure test to 3800#, held OK.
RU Bluejet. Perf 4684', 90', 94', 98', 4702', 06', 10', 14',
18', 24', 27', 30', 36', 38', 45', 67' & 69'. Shot w/3-1/8"
casing gun, select fire, decentralized w/.32" hole (17 holes).
PU Baker Model "R" packer. RIH to 4200' & SDCN.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)

Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan County.

1-12-80

Days: 33; Present Operation: Prep to foam frac. RIH w/tubing & Baker Model "R" packer to 4806'. PU to 4775' and spotted 5 gals sand. PU to 4350' and set packer. Pressure backside to 1500#. Established injection rate into perfs 4685'-4769' @ 650# @ 6.2 BPM (BP was 1300#). Pumped 1000 gals 15% NE acid. Dropped 17 balls spread equally in 1000 gals. Dropped 17 balls in first 2 bbls flush. Had good ball action and solid ball off @ 3400#. Rigged up Newsco. Opened bypass and unloaded backside. Released packer. PU 30' and SDON.

1-13-80

Days: 34; Present Operation: Flowing upper MV to atmosphere to clean up. Attempted to lower Baker Model "R" packer to knock off balls. Packer would not go down. POOH. PU gauge ring on 1 jt tubing and RIH on sand line to knock off balls. RU Western and Newsco, to foam frac perfs 4684'-4769'. Used 159,500 gals 75 Quality foam 92,500# 20-40 sand and 60,000# 10-20 sand as follows:

20,000 gal pad

25,000 gal pad 1 ppg 20-40 sand

25,000 gal pad 1-1/2 ppg 20-40 sand

15,000 gal pad 2 ppg 20-40 sand

30,000 gal pad 2 ppg 10-20 sand

Flushed w/4746 gals

Min press 2050, Max press 2250, Average pressure 2100, injection rate 30 BPM. ISIP 1900, 15 minutes 1500.

Used total of 781 bbls water, 1,382,400 cu ft N₂.

Opened well to atmosphere thru choke, approximately 1 hr after job complete.

1-14-80

Days: 35; Present Operation: Flowing upper MV. Yesterday morning flowing thru 1/2" choke @ 110#. SI well. Removed choke and opened thru 2" line. 1 hr 2740 Mcf w/heavy mist. This morning flowing 2310 Mcf w/heavy mist.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)

Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan County.

1-15-80

Days: 36; Present Operation: Flowing both MV to atmosphere. Trying to get rig crew to location. Bad roads. RU blooie line. PU Baker retrieving head on 2-7/8" work string. RIH and tagged sand @ 4750'. CO 56' sand to 4806' with air. Loaded hole w/65 bbls 1% K Cl water. Retrieved BP. POOH, while pulling tubing, used additional 65 bbls water to control well. LD retrieving head and BP. RIH to 1051'. SDON.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)

Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan County.

1-16-80

Days: 37; Present Operation: Finish LD 2-7/8" work string. FIH to 6620'. Started air compressors and cleaned out sand from 6620'-6740' to production packer. LD 200 jts 2-7/8" work string. SDON.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W,
San Juan County.

1-17-80

Days: 38; Present Operation: Prep to run 1-1/4" tbg.
Fin LD 2-7/8" tbg. Changed out rams. PU and started in hole
w/1-1/2" EUE 2.9# V55 10 rd new tbg. Ran Baker check valve
5 jts tbg (tail pipe), seal assembly, and tubing to 6721'.
Tagged sand and washed to 6737'. Pushed out plug. Landed
tbg. SDON.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan
County.

1-18-80

Days: 39; Present Operation: RIH w/swab to drift tubing. Changed
rams for 1-1/4" tubing. RIH w/1-1/4" 2.4# EUE 10rd V-55 new tubing
as follows:

SN (1.062" ID)

.80'

152 jts

4904.01'

KB

12.00'

Landed @

4916.81'

Nipple down BOP & nipple up well head, left MV flowing out casing
SDON. Seal assembly landed @ 6738' w/8000#.

String run earlier was as follows:

Baker expendable check

.65'

5 jts tubing as tail pipe

159.07'

Baker seal assembly

3.48'

207 jts tubing

6670.83'

3 pup joints

22.14'

1 jt

32.41'

Landing seal assembly

.80'

6889.38'

KB

12.00'

Tail pipe @

6901.38'

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan
County.

1-19-80

Days: 40; Present Operation: Mesaverde & Dakota zones SI for
AOF test. Ran swab in both strings of tubing. No restrictions.
Dropped ball in Dakota. Pumped 20 bbls water. Took 700# to
pump off Baker expendable check valve. Tubing went on vacuum.
RU swab & swabbed Dakota tubing for 1 hr. Kicked off & flowed
for 2 hrs. SI for buildup. Released rig.

1-20-80

Present Operation: SI for AOF. 18 hr SI 600/600 MV
910 DK
Will drop from report until results received.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W, San Juan
County.

1-22-80

Present Operation: SI for AOF test. 3 day SITP Dakota 1410#,
MV 640/640.

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W,
San Juan County.

1-25-80

SIP MV 726/726

SIP DK 1368

Mesaverde:	1 hr	105/660	Dakota:	1372
	2 hrs	105/640		1372
	3 hrs	105/620		1372

MV flow rate 1614 Mcf

AOF 4350 (field calculation)

COG ET AL - GROSS NO. 1-M (COG W.I. 68.64%)
Location: 1850' FSL & 790' FEL Section 7, T31N, R12W,
San Juan County.

2-2-80

Dakota AOF & packer test

SIP DK 1380

MV 745/745

	DK	MV
1 hr	166	748/748
2 hrs	130	748/748
3 hrs	113	748/748

Flow rate 1725 Mcf (field calculation)

AOF 1916 Mcf.