Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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
CONTINENTAL OIL COMPANY

3. ADDRESS OF OPERATOR
Box 460, Hobbs, NM 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980'FNL & 1650'FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
LC 065-194

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
BELL LAKE

8. FARM OR LEASE NAME
BRADLEY A

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
BELL LAKE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 19, T-23S, R-34E

12. COUNTY OR PARISH
Lea

13. STATE
NM

14. API NO.
30-025-~~26508~~ 21168

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3536' GR

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)		

RECEIVED
MAY 16 1978
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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

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.)*

Rig up 3-7-78. Spot 90sx class "H" cmt from cmt retainer at 12,343' to 11,800'. WIH w/dynamite on wireline and shot csg off at 4150'. POOH w/9 5/8" csg. Spot 50 sx cmt from 8650' to 8550'. Spot 65 sx cmt from 5900-5700'. Spot 70 sx cmt from 4225'-4075'. Spot 125 sx cmt from 1300' - 1100'. Tagged plug at 1105'. Spot 30 sx surface plug. Rig released 3-14-78. Erected dry hole marker.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Wm. A. Rutherford TITLE Admin. Supv. DATE 5-12-78

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

USGS (5), Scope Ind. Inc., Texas Pacific, File (2)

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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: Continental Oil Company

3. ADDRESS OF OPERATOR: Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL + 1650' FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same.

5. LEASE: LC 065194

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Bell Lake

8. FARM OR LEASE NAME: Bradley A

9. WELL NO.: 1

10. FIELD OR WILDCAT NAME: Bell Lake

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19, T-23S, R-34E

12. COUNTY OR PARISH: Lea | 13. STATE: N.M.

14. API NO.:

15. ELEVATIONS (SHOW DF, KDB, AND WD)

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)			

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

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.)*

Bradley "A" No. 1 has depleted all recoverable gas reserves and there is no further need for the wellbore, it is recommended that the well be Plugged and abandoned. Refer to the attached well history, Procedures and wellbore digrams.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED John A. Butterfield TITLE Admin. Supv. DATE 2-17-78

(This space for Federal or State office use)

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

APPROVED AS AMENDED
FEB 22 1978
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

USGS (5), Scope Ind. Inc., Texas Pacific, File

Well History and Recommendation

Plug and Abandon Bradley "A" No. 1 (Originally Bell Lake Unit #10)

Bradley A No. 1 has depleted all recoverable gas reserves in the Devonian and Morrow formation. The Atoka was tested and found non-productive and no further remedial or completion possibilities exist. Since there is no further need for the wellbore, it is recommended that the well be plugged and abandoned.

Initial Completion

Location:	1980' FNL and 1650' FWL Section 19 - T-23S, - R-34E, Lea County, New Mexico
Elevation:	DF 3572'
Total Depth:	14,600' PBTD
Initial Completion:	1965
Zone:	Devonian 14747' - 14783'
IP:	3.5 MM CF/D CAOF
Cum:	872 MMCF in January 1975
Subsequent Completion:	1976
Zone:	Morrow (12965-13376 Gross)
IP:	2.0 MMCF/D
Cum:	337 MMCF and 620 BO
Zones Tested:	Atoka
Interval:	12410' - 12434' Gross
Test Result:	Perf'd underbalance; no increase in surf. press.
Casing:	20" set at 517' w/1155 SX 17 1/2" set at 5805' w/3550 SX 9 5/8" set at 12172' w/2664 SX 7 5/8" set at 14325' w/600 SX (Liner-Top @ 12070) 5 1/2" set at 14930' w/315 SX (Liner-Top @ 11918)

Previous Remedial Work

1. July 1965 Acidized the Devonian perfs.
2. October 1967 A compressor was installed.
3. May 1976 Recompleted in the Morrow and acidized.
4. December 1977 Tested the Atoka.

Present Status

This well is shut-in with 393 joints of 2 7/8" tubing and retainer set at 12,343'.

Discussion

The Bradley A No. 1 was drilled and completed in the Devonian Formation for a CAOF of 3.5 MMCF/D in 1965. The well produced until October 1969, when it died due to its inability to flow against a 960 psig sales line pressure. A compressor was installed to reduce the flowing tubing pressure to 300 psig and the well was returned to production. It died again in January 1975 and several swab attempts failed to return the well to production. Cumulative production from the Devonian was 872 MMCF when the well was shut-in.

In June 1976, the Bradley A No. 1 was recompleted in the first and second Morrow Sands after abandoning the Devonian. The new completion had an initial BHP of 8700 psi, a CAOF of 19 MMCF/D with a 8 BBL/MMCF condensate and produced at an average rate of 2.85 MMCF/D into the sales line. One month later, a BHP survey followed by production log (flowmeter-Temp) indicated a BHP of 5850 psi and all production to be coming from the bottom two sets of perfs (13372-76) and (13204, 13208). In December, 1976, the well stopped flowing into the 800 psi sales line. The production rate at the time was 120 MCF/D. In August 1977, the well was swabbed dry, but the flow could not be re-established even when flowing the well to the atmosphere. A pressure survey taken the same month indicated a 3235 psi BHP.

In December 1977, the internal 13,168-13,180 which the earlier production log indicated was not producing was tested to determine if it was effectively opened to the wellbore. The test showed the internal to be open, thereby condeming all remedial possibilities, and the Morrow was abandoned. Cumulative production from this zone was 337 MMCF and 620 barrels of oil.

After abandoning the Morrow, the Atoka interval from 12410-12434 was perforated using 4 JSPF with the Van Tool Guns underbalanced method.

The zone proved to be non-productive, and the well is now shut-in pending P & A.

Other potential zones in this were also evaluated. Since there are no open hole logs and only a cased-hole GR log on Bradley A No. 1, evaluation was based on correlation with the logs from Conoco's Maddox 19 No. 1, located 3000' to the NE from it. The Maddox 19 No. 1 was drilled to the Bone Springs in 1974 and the zone was found non-productive. The Brushy Canyon and the Deleware Sands calculated 60-70% water saturation. The Bradley A No. 1 is structually similar to the Maddox 19 No. 1, so no behind the pipe zones remain to be tested. There are two active SWD wells, in addition to BLU #15 which also could be converted to SWD well if necessary, so there is no further need for the Bradley A No.1 wellbore. Since all reserves have been depleted, all potentially productive zones tested, and no future need for the wellbore can be foreseen, it is recommended that the well be P & A'd.

BRADLEY "A" NO. 1
"0" - 18' AGL

1) LOAD AND CIRCULATE HOLE WITH 10 PPG BRINE. (W/25 SX GEL PER 100 BBLS BRINE.)

2) GIH WITH CEMENT RETAINER.** SET AT 12,343 FT. ESTABLISH PUMP IN RATE. SQUEEZE WITH 100 SX CLASS 'H' CEMENT MIXED 15.6 PPG WITH 0.4% CFR-2. PULL OUT OF RETAINER AND SPOT 10 SX ABOVE RETAINER.

3) PULL UP AND SPOT 50 SX CLASS 'H' CEMENT MIXED 15.6 PPG WITH 0.4% CFR-2 FROM 12000 FT TO 11800 FT.

4) PICK UP ON 9 5/8" CASING AND DETERMINE FREE POINT. (TOP OF CEMENT BEHIND 9 5/8" IS APPROXIMATELY 4200 FT, ESTIMATED BY TEMPERATURE SURVEY.)

5) GIH AND SHOOT CASING OFF 50 FT ABOVE FREE POINT. PULL AND LAY DOWN CASING.

6) GIH WITH 2 7/8" TUBING OPEN ENDED. SPOT 65 SX CEMENT* FROM 5900 FT TO 5700 FT.

7) PULL UP AND SPOT 70 SX CEMENT* FROM 75 FT BELOW POINT WHERE CASING WAS CUT TO 75 FT ABOVE. (THIS VOLUME OF CEMENT BASED ON CUT POINT BEING INSIDE 13 3/8" STRING AS IS INDICATED BY THE TEMPERATURE SURVEY.)

8) PULL UP AND SPOT 125 SX CEMENT* FROM 1300 FT TO 1100 FT. (TOP OF ANHY. ESTIMATED AT 1200 FT.)

9) PULL UP AND SPOT 30 SX CEMENT* FROM 50 FT TO THE SURFACE AND ERECT DRY HOLE MARKER.

* CLASS "C" CEMENT MIXED 14.8 PPG WITH 2% $CaCl_2$.
** FOR REGULATORY INFO ONLY. RETAINER ALREADY SET AT 12,343'.
MAW

2/1/78 — PLUG & ABANDON

- LEGEND -

① MODEL 'D' PACKER @ 14,700 FT WITH 14 FT JUNK TBG ABOVE IT.

② CIBP @ 14,600 FT WITH 10 FT CEMENT ABOVE IT

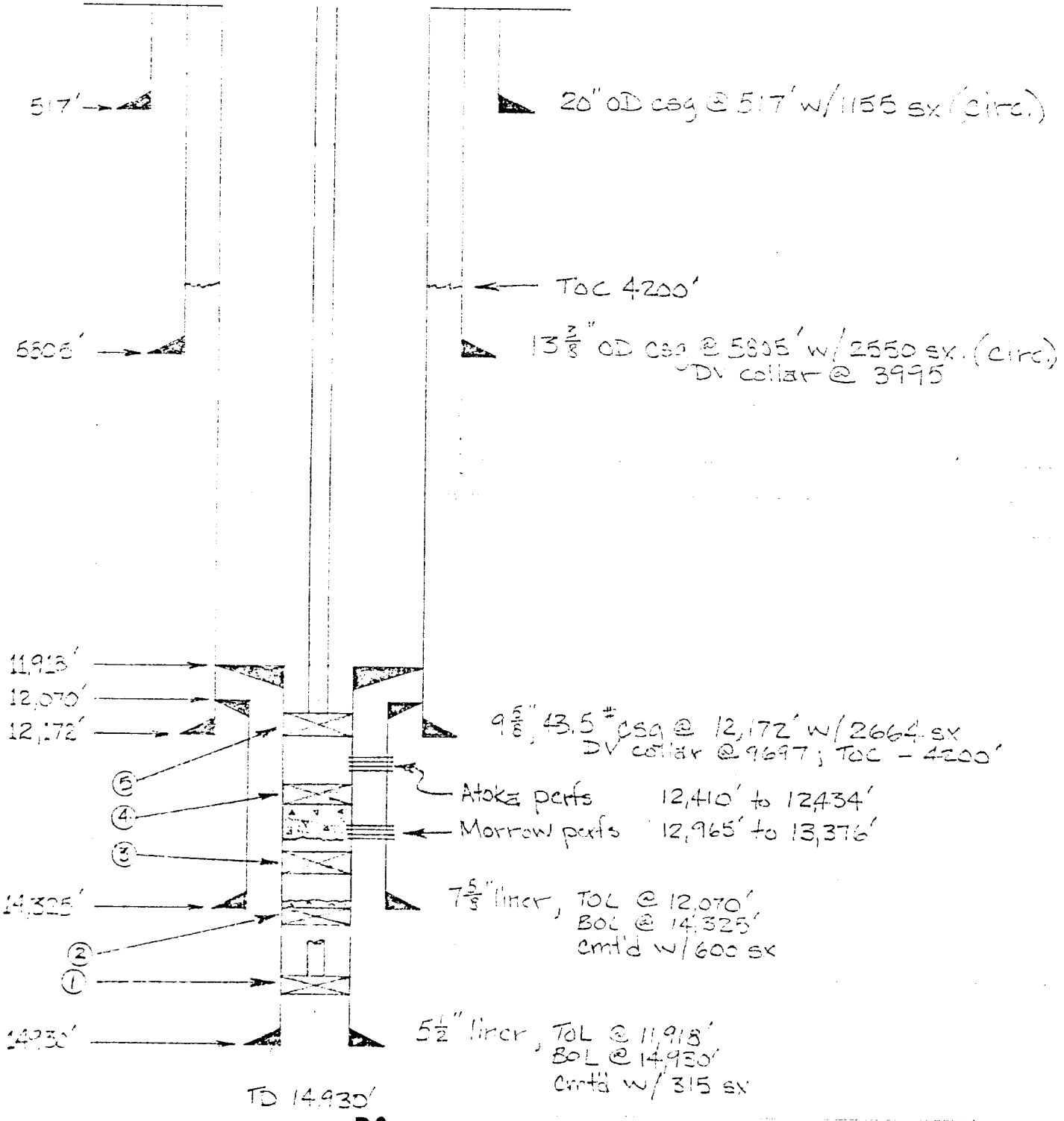
③ CEMENT RETAINER SET @ 13,200 FT.

④ CEMENT RETAINER SET @ 12,902 FT. SQUEEZED WITH 90 SX CEMENT. PICK UP AND SPOT 25 FT CEMENT ABOVE IT.

⑤ CEMENT RETAINER SET @ 12,343 FT.

- PRESENT WELLBORE -

SEC 19, T-23S, R-34E
1980' FNL & 1650' FWL



PRESENT WELLBORE

MAIN

1/31/78

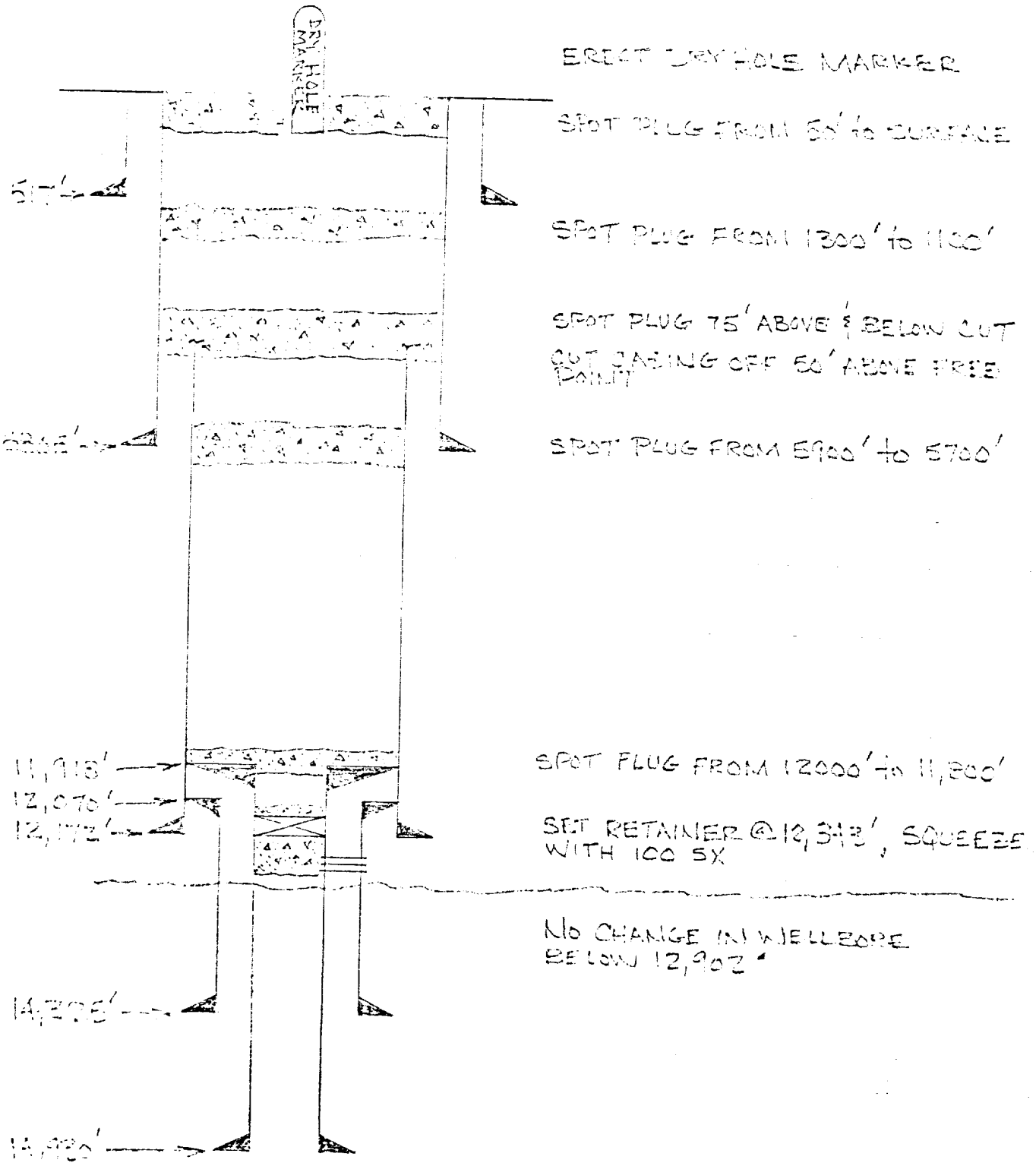
1 2

SHEET

BRADLEY 'A' No. 1

drilled in 1965

N. MEX. — LEA COUNTY



Proposed wellbore

1. MAN

2-1-78

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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: Continental Oil Company

3. ADDRESS OF OPERATOR: Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL + 1650' FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE: LC-065194

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: BRADLEY "A"

9. WELL NO.: 1

10. FIELD OR WILDCAT NAME: Bell Lake

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19, T-23S, R-34E

12. COUNTY OR PARISH: Lea | 13. STATE: N.M.

14. API NO.:

15. ELEVATIONS (SHOW DF, KDB, AND WD): 3536' GR

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)			X Re-Perf & Morrow & Test, Perf Atoka.

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

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.)*

Ran CMT Retainer to 13,200', unable to Run Pkr into the 5½" Liner. Milled out from 11918 - 13,178'. Set Pkr at 13,155' and Acidized w/4000 Gals of 7½% Morrow-Flo Acid + 6 Ball Sealers. Flush to Perfs w/10 PPG Brine. SWBD 40 BW and Small Amount of Gas. Set CMT Retainer at 12,902' and Squeezed Morrow Perfs w/90 Sx Class H CMT. Left 25' of CMT on TOP of Retainer. Perforated Atoka at 12,410 - 12414'; 12418 - 12424; 12430 - 12434' w/4 JSPF. The well made a small amount of Gas. The well was determined to be Non-commercial. Ran Tbg with CMT Retainer Set at 12348'. Shut the well in Pending Approval to P+A.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Wm. A. Buttersfield TITLE Admin. Supv. DATE 2-17-78

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD
O.C.D.
FEB 22 1978
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

*See Instructions on Reverse Side

USGS(5), Scope Ind. Inc., Texas Pacific, File

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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
Continental Oil Company

3. ADDRESS OF OPERATOR
Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL + 1650' FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same.

5. LEASE
LC-065194

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
BRADLEY "A"

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
So. Bell Lake Morrow Gas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19, T-23S, R-34E

12. COUNTY OR PARISH
Lea

13. STATE
N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3536' GR

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*	☐		☐

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

(other) Re-Perf Morrow & Test and with a possibility of Recompletion in Atoka.

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.)*

IT IS Proposed TO Re-Perforate The Morrow TO Restore The Production IN The Subject Well. If The Morrow IS NON-Productive IT IS Proposed TO Set A Retainer AT ± 12,900' With 10 SX CMT ON TOP and Perf and Test The Atoka.

See Attached Procedures and Well Digram.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Wm A Buttlerfield TITLE Admin. Supv. DATE 12-15-77

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD
AS AMENDED
DEC 19 1977
ARTHUR R. BROWN
DISTRICT ENGINEER

*See Instructions on Reverse Side

USGS-5, Scope, Tex Pac Oil, Tripar, File (2)

BRADLEY "A" No. 1
"O" - 18' AGL

1) LOAD AND KILL WELL WITH 10 PPG BRINE.

2) UNSEAT PACKER AND CIRCULATE OUT PACKER FLUID. POOH WITH TUBING.

3) GIH WITH CEMENT RETAINER ON WIRELINE. SET AT 13,200 FT.

4) GIH WITH 2 7/8" TUBING AND RETRIEVABLE PACKER. GATOR HAWK TEST COUPLING TO 7000 PSI GOING INTO HOLE. (RUN ON-OFF TOOL AND BFC NIPPLE ABOVE PACKER.) TAG TOP OF RETAINER. PULL UP AND SET PACKER AT 13,155 FT. UNLATCH FROM PACKER AND DISPLACE TUBING TO SEAL RECEPTACLE WITH 7½% MORROW-FLO ACID[1] (OR EQUIVALENT). TIE INTO PACKER AND LAND TUBING WITH 8-10 POINTS COMPRESSION.

5) PUMP[2] 1000 GALS 7½% MORROW-FLO ACID AT 3-5 BPM. DROP 2 BALLSEALERS AFTER FIRST 250 GALS AND EVERY 250 GALS THEREAFTER. (6 BALLSEALERS TOTAL) FLUSH TO PERFORATIONS WITH 10 PPG BRINE. SWAB BACK FOR 6 HOURS. [IF ACIDIZING PERFORATIONS DOES NOT PROVE SUCCESSFUL, THE ZONE WOULD BE ASSUMED DEPLETED, AND WE WOULD WANT TO RECOMPLETE UP THE HOLE[3].]

6) POOH WITH PACKER AND TUBING. GIH WITH TUBING AND STINGER TO TIE INTO CEMENT RETAINER. CIRCULATE BALLSEALERS OUT OF HOLE.

---

[1] MORROW-FLO ACID IS A HALLIBURTON PRODUCT

[2] IF PUMP IN RATE CAN NOT BE ESTABLISHED, UNSEAT PACKER AND CIRCULATE ACID OUT OF HOLE. FROM HERE WE WOULD PROCEED TO STEP (6).

[3] PROCEED TO ATOKA RECOMPLETION.

MAW

12/14/77 MORROW - REPERF.
1 2

TIE INTO RETAINER AND ESTABLISH PUMP IN RATE. IF PUMP IN RATE CAN BE ESTABLISHED, SQUEEZE WITH 100 SX CLASS "H" CEMENT MIXED 15.6 PPG WITH 0.6% HALAD-22. IF PUMP IN RATE CAN NOT ESTABLISHED PROCEED TO STEP (7).

7) CIRCULATE AND LOAD HOLE WITH 12.8 PPG GELLED BRINE MUD.

8) RUN TUBING WITH RETRIEVABLE CASING PACKER AND VANN TUBING CONVEYED PERFORATING GUN. GATOR HAWK TEST TUBING TO 7000 PSI INTO HOLE. SET PACKER AT 13,086 FT. SPACE OUT VANN GUN TO PERFORATE FROM 13,168 FT TO 13,178 FT WITH 4 JSPF.

9) UNLATCH FROM PACKER AND LOAD TUBING - CASING ANNULUS FROM PACKER (13,086 FT) TO ± 11,600 FT WITH 13.0 PPG OIL BASE PACKER FLUID CONTAINING CORROSION INHIBITOR. USE NITROGEN TO DISPLACE PACKER FLUID. (RECOMMEND "NOWSCO" IN CARLSBAD TO SUPPLY NITROGEN.)

10) LATCH INTO PACKER AND LAND TUBING WITH 8-10 POINTS COMPRESSION. FLANGE UP WELLHEAD.

11) DROP DETONATING BAR DOWN TUBING TO FIRE GUN.

12) TEST FOR PRODUCTION.[4]

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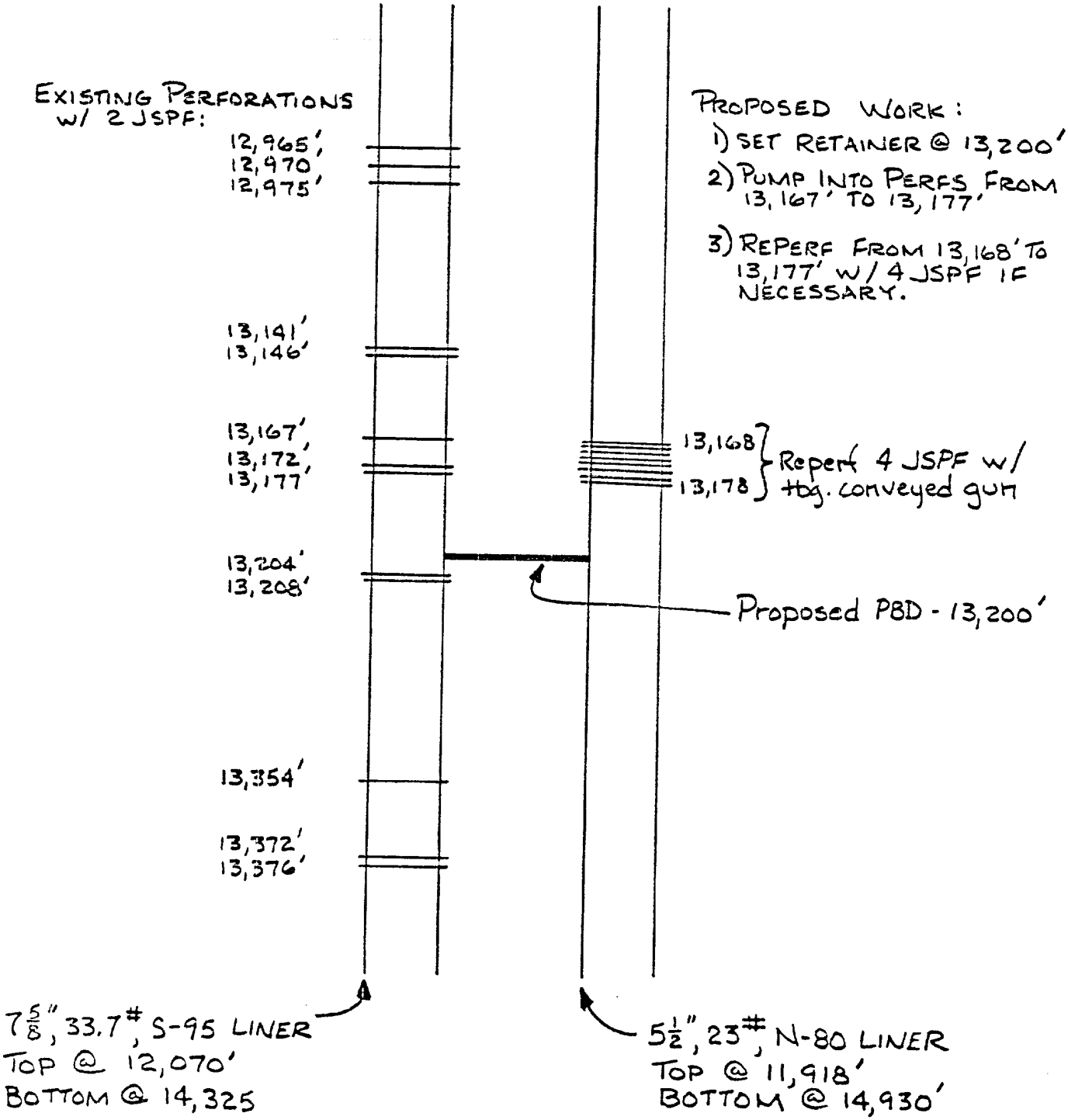
[4] A STIMULATION PROCEDURE WILL BE PREPARED IF NEEDED.

MAW
12/14/77

MORROW - REPERF

BRADLEY "A" No. 1



MAW

12/14/77

MORROW - REPERFORATE

BRADLEY "A" No. 1
"O" - 18' AGL

1) LOAD AND CIRCULATE HOLE WITH 12.8 PPG GELLED BRINE MUD. POOH WITH TUBING AND PACKER.

2) SET RETAINER AT ± 12,900 FT. ESTABLISH PUMP IN RATE. IF PUMP IN RATE CAN BE ESTABLISHED, SQUEEZE WITH 100 SX CLASS "H" CEMENT, MIXED 15.6 PPG WITH 0.6% HALAD-22. PULL UP AND SPOT 10 SX CEMENT ABOVE RETAINER. IF PUMP IN RATE CAN NOT BE ESTABLISHED, PULL UP AND SPOT 20 SX CEMENT ABOVE RETAINER.

3) RUN GAMMA RAY- COLLAR LOG FROM 12,500 FT TO 12,300 FT.

4) RUN TUBING WITH RETRIEVABLE CASING PACKER AND VANN TUBING CONVEYED PERFORATING GUN. GATOR HAWK TEST TUBING TO 7000 PSI INTO HOLE. SET PACKER AT ±12,328 FT. SPACE OUT VAN GUN TO PERFORATE* AS FOLLOWS:

12,410 FT TO 12,414 FT
12,418 FT TO 12,424 FT
12,430 FT TO 12,434 FT

5) UNLATCH FROM PACKER AND LOAD TUBING - CASING ANNULUS FROM PACKER (12,328 FT) TO ± 11,600 FT WITH 13.0 PPG OIL BASE PACKER FLUID CONTAINING CORROSION INHIBITOR. USE NITROGEN TO DISPLACE PACKER FLUID. (RECOMMEND "NOWSCO" IN CARLSBAD TO SUPPLY NITROGEN.)

6) LATCH INTO PACKER AND LAND TUBING WITH 8-10 POINTS COMPRESSION. FLANGE UP WELLHEAD.

* PERFORATE 4 JSPF

MAW

11/30/77

7) DROP DETONATING BAR DOWN TUBING TO FIRE GUN.

8) ALLOW WELL TO SURGE TO PIT AND CLEAN UP. AFTER FLOW HAS STABILIZED, GO IN HOLE WITH GARRET SHIFTING TOOL AND DROP GUN IN RATE HOLE. (RECOMMEND JARREL WIRELINE.)

9) TEST FOR PRODUCTION.*

* A STIMULATION PROCEDURE WILL BE PREPARED IF NEEDED.

MAW

11/30/77

ATOKA RECOMPLETION

2 2

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*

5. LEASE DESIGNATION AND SERIAL NO.: LC 065194

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: BRADLEY "A"

2. NAME OF OPERATOR: CONTINENTAL OIL COMPANY

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: Box 460, Hobbs, N. M. 88240

10. FIELD AND POOL, OR WILDCAT: 50. Bell Lake Morrow Gas

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1980' FNL & 1650' FWL of Sec 19
At top prod. interval reported below: SAME
At total depth: SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: UNDESIGNATED
Sec 19-T-23S-R-34E

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: LEA | 13. STATE: N.M.

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-30-64	2-27-65	5-7-76	3536' ~~DF~~ 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
14,930'	14,590'		→		

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
12,930' — 13,665' Morrow

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
FDC (GR-Collar Log)

27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	79.6#	517'	26"	1155 sx Class A (circ)	
13 3/8"	72, 68, 61#	5805'	17 1/2"	3550 sx Class C (circ)	
9 5/8"	43.5#, 40.5#	12,172'	12 1/4"	2664 sx Class E (TOC-4300')	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
7 5/8"	12,070'	14,325'	600 sx	
5 1/2"	11,918'	14,930'	315 sx	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	12,797'	12,791'

31. PERFORATION RECORD (*Interval, size and number*)
12,965' 13,167' 13,354'
12,970' 13,172' 13,372'
12,975' 13,177' 13,376'
13,141' 13,204'
13,146' 13,208'
4/2 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5-7-76	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-12-76	4 hrs.	1.75					330,702

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
677 9#			57	18,850	—	59°

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

TEST WITNESSED BY: Buddy Paschal

35. LIST OF ATTACHMENTS
none

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

SIGNED Wm. A. Rutledge TITLE ADMIN. SUPV. DATE 5/21/76

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

15GS (4), Scope, Tex Pac Oil, TRIPOR, File

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.)

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	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Rustler	1095	
Ramsey	5104	
Bone Spring	8599	
Wolfcamp	11738	
Atoka Lime	12410	
Mor. Clastics	12920	
Miss. Lm.	14114	
Woodford	14511	
Devonian	14742	

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