

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Continental Oil Company

3. ADDRESS OF OPERATOR

152 No. Durbin Casper, Wyoming

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

At surface

1115' FNL, 945' FWL (NW NW)

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

3563

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	200'	150 sacks
7 7/8"	5 1/2"	15.5#	3563'	/0 sacks

It is proposed to drill the subject well to test for commercial gas production from the South Blanco Pictured Cliffs formation. No DST's or cores are planned. All appropriate logs will be run. The drilling rig will be equipped with a blow-out preventer which will be tested daily.



RECEIVED
JUL 8 1974
U. S. GEOLOGICAL SURVEY
DURHAM, N. C.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

J. A. Whelan

TITLE Administrative Supervisor

DATE 7-3-74

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Ed

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

USGS (6) NMOCC (2) EXXON Amoco Artec File

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-1
Supersedes O-128
Effective 1-1-74

All distances must be from the outer boundaries of the Section

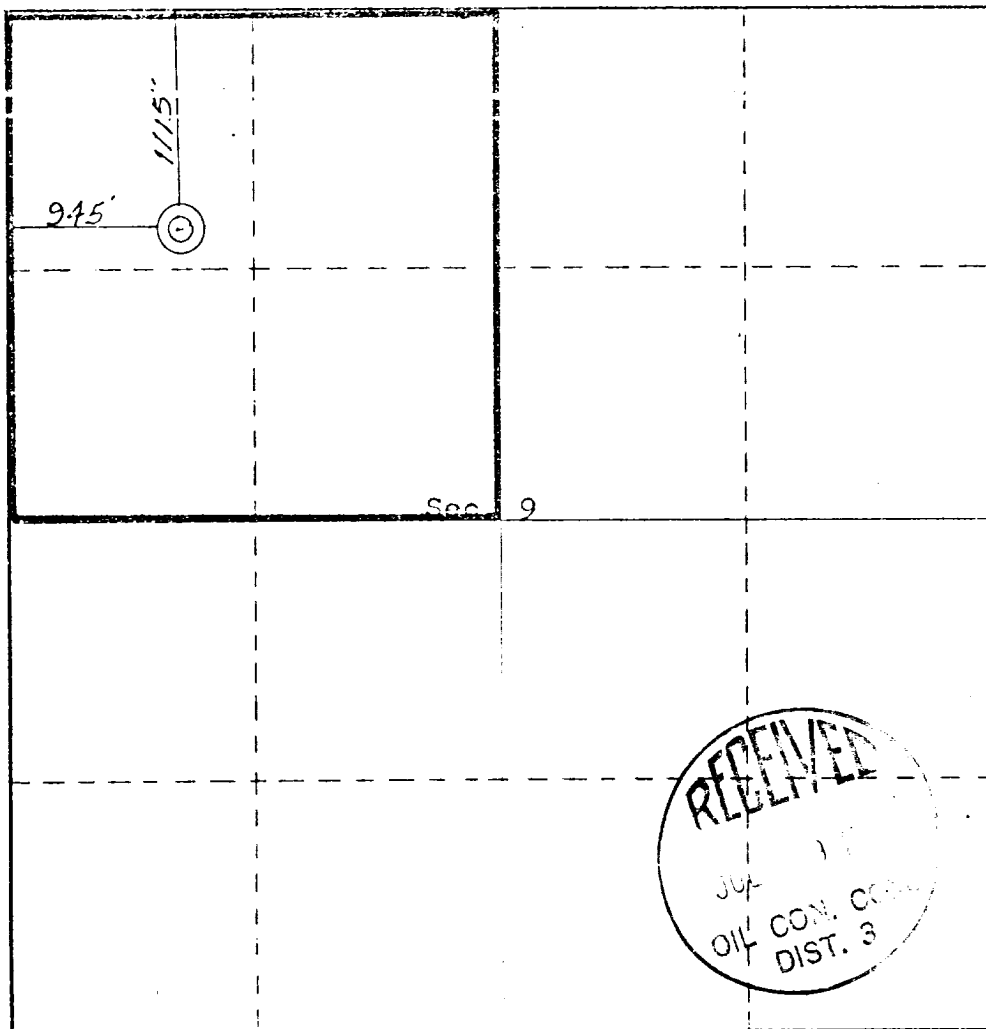
Owner CONTINENTAL OIL COMPANY			Lease A X I APACHE "O"		Well No. 4
Section D	Range 9	Township 25 NORTH	Range 4 WEST	County RIO ARriba	
A. Well Location and Well					
1115 feet from the NORTH line		945 feet from the WEST line			
Ground Level Elevation 6960.0		Pool So. Blanco Pictured Cliffs		Dedicated Acreage 160	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

J. R. When
Position

Administrative Supervisor

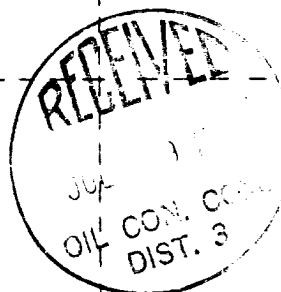
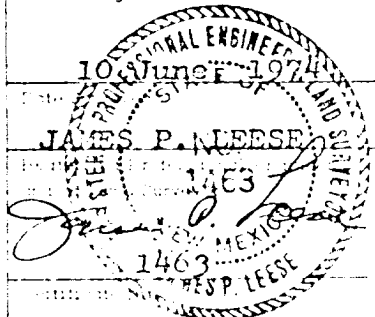
Company

Continental Oil Company

Date

July 3, 1974

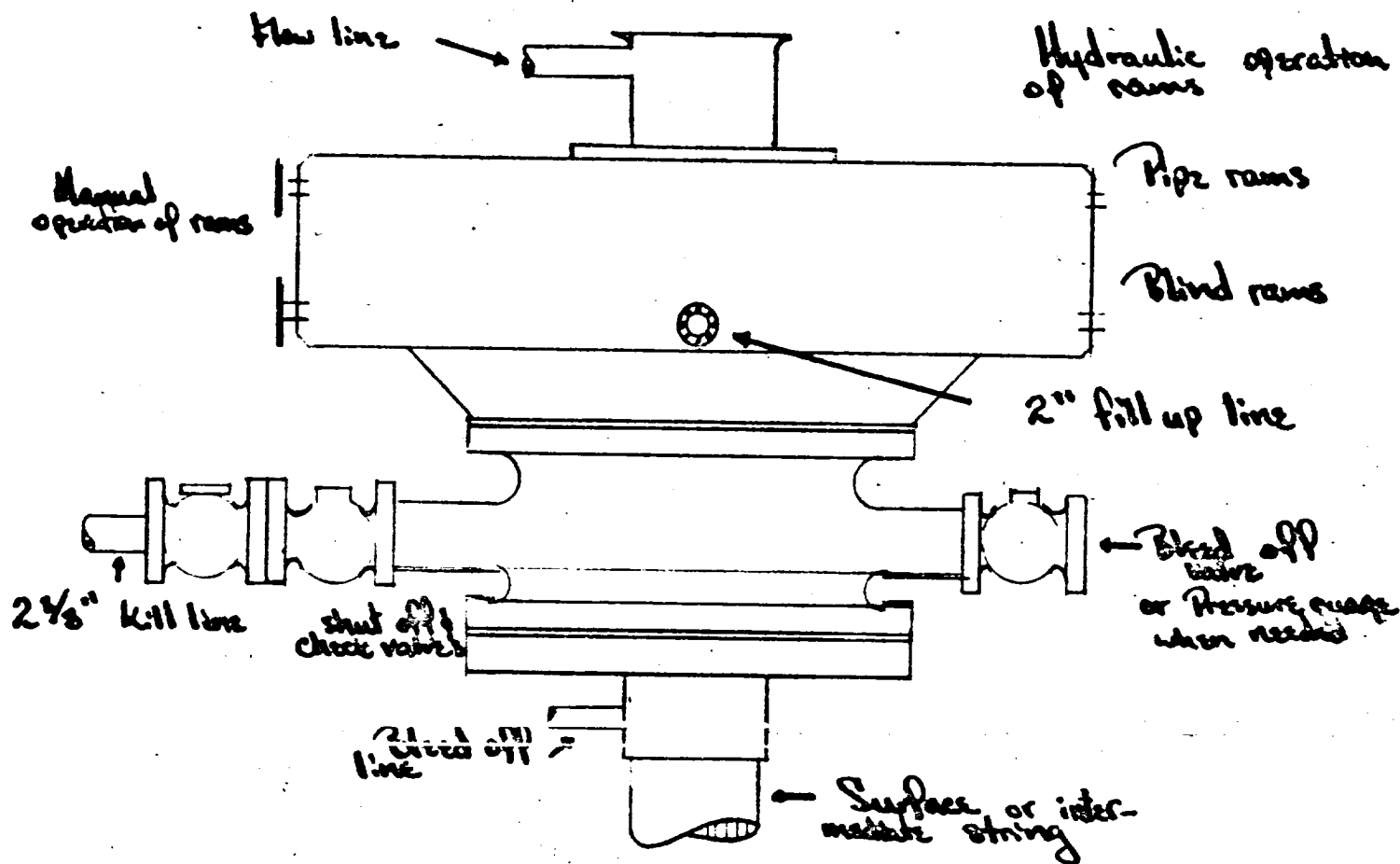
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

Attachment - Form 9-331C
AXI Apache "O" No. 4

1. Surface Casing - 8 5/8", 24#, K-55, ST & C, new @ 200'
2. 8 5/8" x 5 1/2" Series 900
3. None
4. Blowout Preventer - See attached
5. Kelly cocks, float at the bit and a sub on the floor with a full opening valve
6. BHP 1200#
7. Drill surface hole with water. Drill out from surface with water-gel low solids system to TD.



10" 900 series
Rucker - Shaffer
Blowout Preventer

Blowout Preventer on
Rig #6 5/28/14

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 ☐		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	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 and in accordance with any State requirements) At surface 1115' FNL & 945' FNL OF SEC 9 At top prod. interval reported below SAME At total depth SAME							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 8-6-74							
16. DATE T.D. REACHED 8-10-74							
17. DATE COMPL. (Ready to prod.) 9-12-74							
18. ELEVATIONS (DF, R&B, RT, GR, ETC.) 6960' GR							
19. ELEV. CASINGHEAD							
20. TOTAL DEPTH, MD & TVD 3563'		21. PLUG, BACK T.D., MD & TVD 3528'		22. IF MULTIPLE COMPL. HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3385'-3469' PICTURED CLIFFS							
25. WAS DIRECTIONAL SURVEY MADE							
26. TYPE ELECTRIC AND OTHER LOGS RUN							
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
8 5/8"	24#	217'	11"	200 sks.	-

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	3562'	catw/65 sks.

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
3388', 94', 3400', 04', 10', 24', 30', 34', 38', & 3446' w/2 ISPF		DEPTH INTERVAL (MD) 3388'-3446'	
		AMOUNT AND KIND OF MATERIAL USED	
		Frac w/5000 GALS. E-2 PAD, 18,000 GALS GELLED WTR, 37,500# SD.	

33. PRODUCTION							
DATE FIRST PRODUCTION 9-27-74		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOW				WELL STATUS (Producing or shut-in) PROD.	
DATE OF TEST 9-27-74	HOURS TESTED 3	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD	OIL—BBL. 2532/DAY	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE 895	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD						TEST WITNESSED BY B.E. ANDERSON	
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 [Signature]	TITLE SR. ANALYST	DATE 10-16-74

*(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 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		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Pictured Cliffs	3374	3505 est.	Sandstone, gas productive

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Actual Cliffs	3374	

WELL COMPLETION OR RECOMPLETION REPORT	
1. DATE OF COMPLETION 2. NAME OF WELL (Include location, owner, and operator) 3. LOCATION OF WELL (Section, Township, Range) 4. TYPE OF WELL (Artificial, Natural, etc.) 5. TYPE OF COMPLETION (Artificial, Natural, etc.) 6. TYPE OF PRODUCTION (Oil, Gas, Water, etc.) 7. TYPE OF PRODUCTION (Artificial, Natural, etc.) 8. TYPE OF PRODUCTION (Artificial, Natural, etc.) 9. TYPE OF PRODUCTION (Artificial, Natural, etc.) 10. TYPE OF PRODUCTION (Artificial, Natural, etc.) 11. TYPE OF PRODUCTION (Artificial, Natural, etc.) 12. TYPE OF PRODUCTION (Artificial, Natural, etc.) 13. TYPE OF PRODUCTION (Artificial, Natural, etc.) 14. TYPE OF PRODUCTION (Artificial, Natural, etc.) 15. TYPE OF PRODUCTION (Artificial, Natural, etc.) 16. TYPE OF PRODUCTION (Artificial, Natural, etc.) 17. TYPE OF PRODUCTION (Artificial, Natural, etc.) 18. TYPE OF PRODUCTION (Artificial, Natural, etc.) 19. TYPE OF PRODUCTION (Artificial, Natural, etc.) 20. TYPE OF PRODUCTION (Artificial, Natural, etc.) 21. 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CONTINENTAL OIL COMPANY

P. O. Box 460
Hobbs, New Mexico

10-7-74

New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

Gentlemen:

In compliance with New Mexico Oil Conservation Commission Rule III, we are submitting below a list of deviation surveys taken on Continental Oil Company's AXI Apache 0 No. 4, located Unit Unit D Section 9, Lea County, New Mexico.

<u>DEPTH</u>	<u>DEGREE</u>	<u>DEPTH</u>	<u>DEGREE</u>	<u>DEPTH</u>	<u>DEGREE</u>
<u>1640</u>	<u>1/4</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u>2251</u>	<u>3/4</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u>2874</u>	<u>3/4</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
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Yours very truly,

Carl Paulson

Subscribed and sworn to before me, a Notary Public, in and for Lea County, New Mexico, this 7th day of October, 1974.

7-4-76
My Commission Expire

Betty E. Dellen
Notary Public