

UTAH DIVISION OF OIL AND GAS CONSERVATION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

6-30-78 - Application re-submitted, with new API number (43-047-30459)
 & file

DATE FILED 1-6-78

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. U-01301

INDIAN

DRILLING APPROVED: 1-4-78

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: ~~1-2-78~~ 1-2-78

Location Abandoned

FIELD:

CHAPITA-MESAVERDE

3/86 Natural Buttes

UNIT:

COUNTY:

UINTAH COUNTY

WELL NO.

CHAPITA FEDERAL 14-5

API NO: 43-047-30352

LOCATION

659 FT. FROM (X) (S) LINE.

660' FT. FROM (E) (X) LINE.

SE SE

1/4 - 1/4 SEC. 14

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	23E	14	CONTINENTAL OIL COMPANY

2-24-78 - Location Abandoned

LE NOTATIONS

Entered in MLD File	Checked by Chief
Location Map Planned	Approval Letter
Card Indexed	Disapproval Letter

COMPLETION DATA:

Date Well Completed	Location Inspected
..... WW..... TA.....	Bond released
..... OS..... PA.....	State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

16

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 North Durbin, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 At proposed prod. zone **659' FSL, 660' FEL (SE SE)**

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 drig. unit line, if any) **659'**
 16. NO. OF ACRES IN LEASE **2080**

17. NO. OF ACRES ASSIGNED TO THIS WELL **320**
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **3750'**
 19. PROPOSED DEPTH **8880'**

20. ROTARY OR CABLE TOOLS **Rotary**
 21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5075' Ungraded GR**

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
17 1/2"	13 5/8"	54.5#	90'	125
12 1/4"	9 5/8"	36#	2500'	675
7 7/8"	5 1/2"	15.5, 17#	8880'	*

It is proposed to drill Conoco Chapita Federal 14 No. 5 as a Mesaverde gas producer. There are not any cores or DST's planned. All appropriate logs will be run. It is anticipated to air drill this well until fluid entry into the wellbore becomes such a problem as to require a mud system.

If the Mesaverde proves noncommercial, we may plug back to the Wasatch.

Cement volumes and placement of cement will depend upon which zones are commercial. Cement volumes will be calculated from the caliper log. Engineering will provide cement volumes and placement of centralizers and cementing tools after the well has been logged and productive intervals have been determined.

(continued next page)

USGS(3) UDOGM(2) File

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 T. C. Thompson TITLE Administrative Supervisor DATE 12/21/77

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

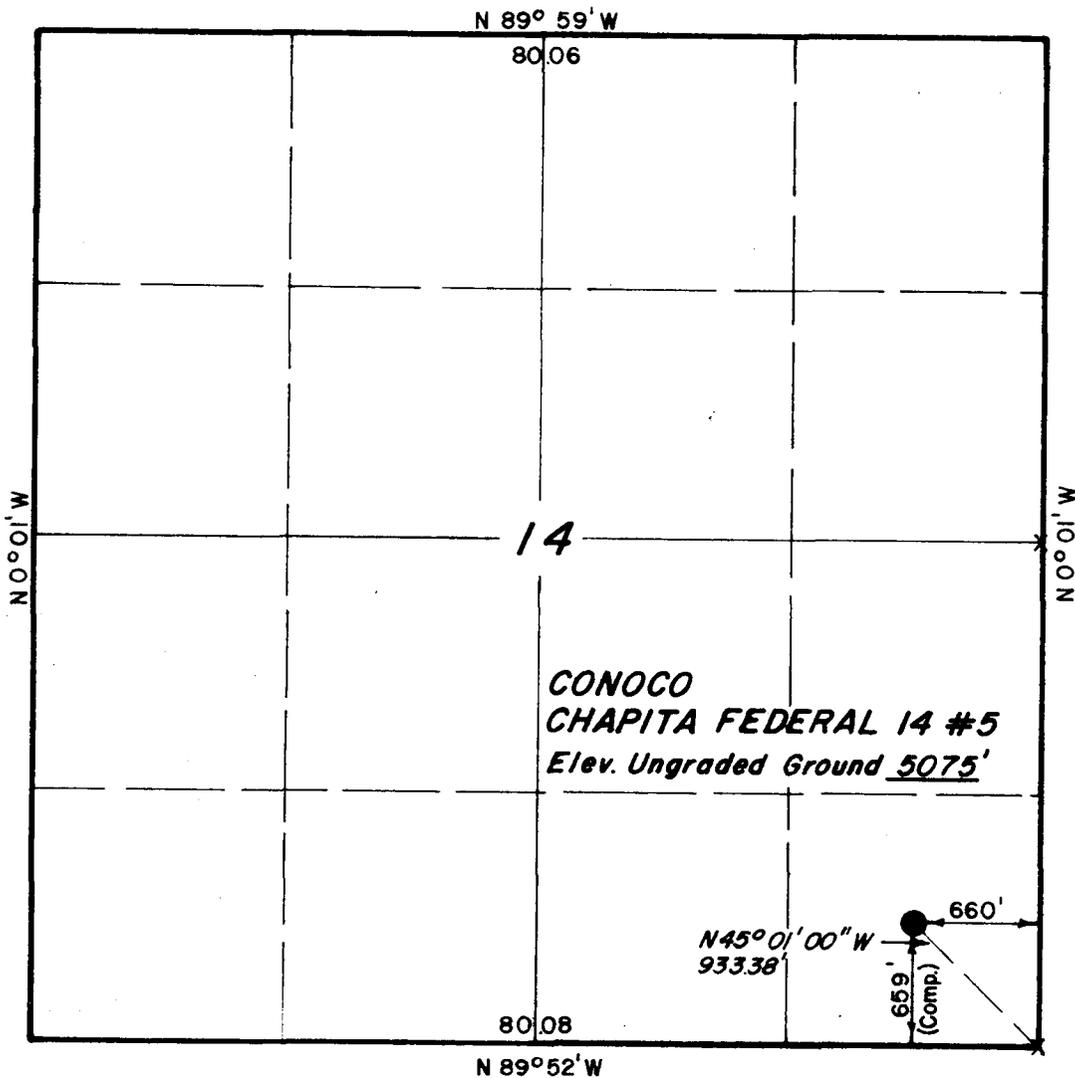
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

T9S, R23E, S.L.B.&M.

PROJECT
CONTINENTAL OIL CO.

Well location, *CONOCO CHAPITA FEDERAL 14 #5*, located as shown in the SE 1/4, SE 1/4 Section 14, T9S, R23E, S.L.B.&M. Uintah County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Dana Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10-3-77
PARTY G.S.	REFERENCES J.S. GLO Plat
WEATHER Fair	FILE CONTINENTAL OIL CO.

Proposed Program (Cont'd.)

1. The geologic name of surface formation: Uintah
2. The estimated tops of important geologic markers:

<u>Formation</u>	<u>Drilled Depth</u>	<u>Subsea</u>
Green River	1540'	+3540'
Wasatch	4480'	+600'
Mesaverde	6440'	-1360'
Mancos	8820'	-3740'
TD	8880'	-3800'

3. It is anticipated to encounter a water bearing zone in the Green River formation. A gas and water bearing zone is anticipated in the Wasatch and in the Mesaverde formation. The depths of these formations are listed in (2) above.
4. Proposed casing pattern:

0'- 90' - 13 3/8" OD, 54.5 lb/ft, K-55 ST&C
0'-2500' - 9 5/8" OD, 36 lb/ft, K-55, ST&C
0'-1000' - 5 1/2" OD, 15.5 lb/ft, K-55, LT&C
1000'-7200' - 5 1/2" OD, 15.5 lb/ft, K-55, ST&C
7200'-8880' - 5 1/2" OD, 17 lb/ft, K-55 ST&C

(All casing mentioned above will be new)

5. Specifications for pressure control:

Our minimum specification for pressure equipment will be 5000 lbs.
(Schematic attached.)

6. Proposed circulating medium:

Well will be drilled with air. If fluid entry into wellbore becomes such a problem as to require drilling fluid to lift cuttings, aerated water inhibited with 2% KCl will be used. It is anticipated that a low solid Gel-Chemical system will be needed at $\pm 5600'$. Mud weights will be maintained between 9.0-10.4 pounds per gallon to T.D. (Sufficient mud will be mixed on location to fill hole volume plus excess of 200 bbls. and sufficient weight to control bottomhole pressures.)

7. Auxiliary equipment:

We will use Kelly cocks, floats at the bit, monitoring equipment on the mud system (if needed), a sub on the floor will fill opening valve and a blooie line.

8. Testing, logging and coring:

As mentioned in the Permit to Drill, no cores or DST are planned. A flare will be ignited under the blowie line when drilling below the top of the Green River to detect combustible quantities of gas. The following logs will be run over the specified intervals:

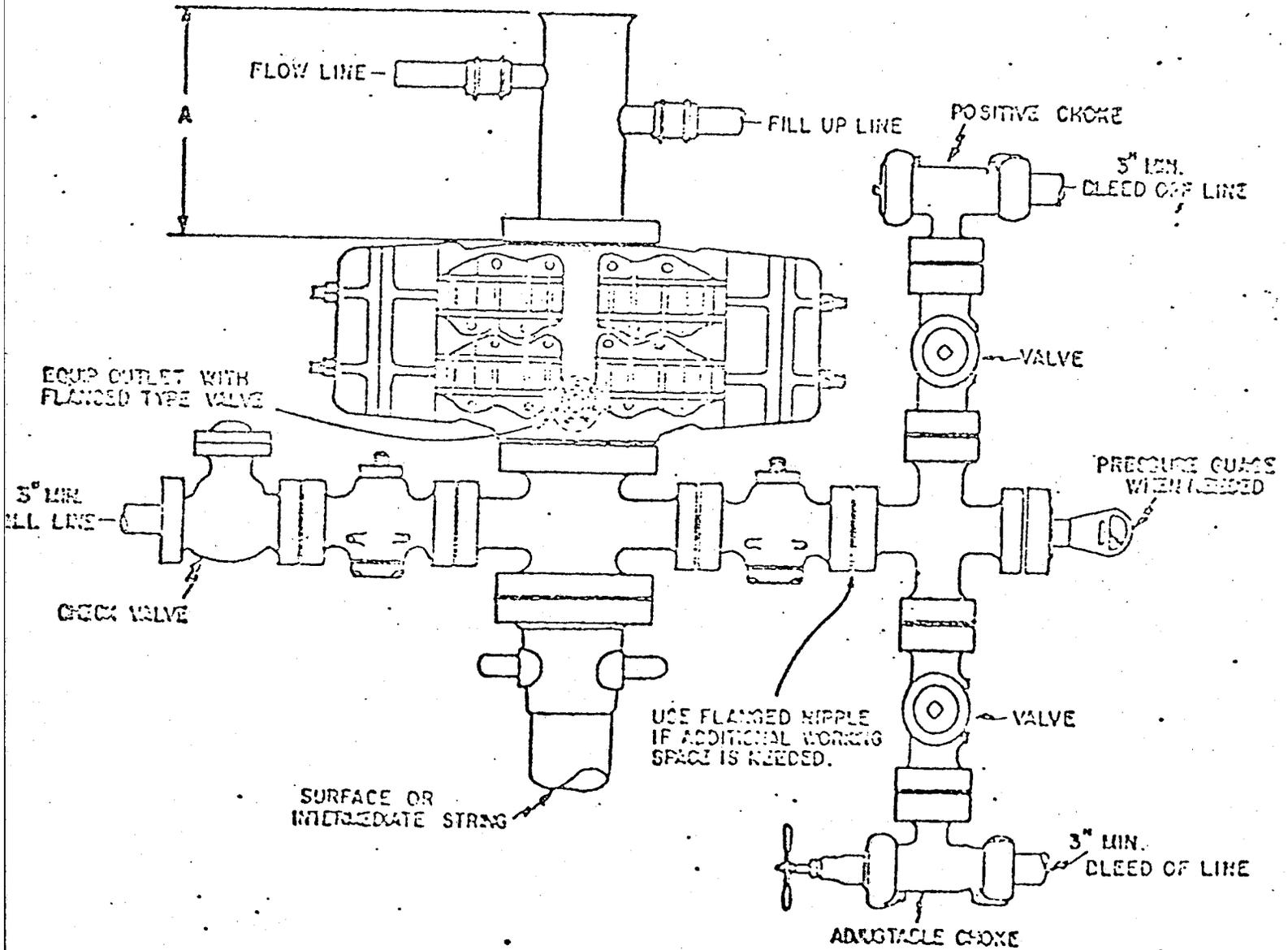
- A. Dual Induction with SP from surface pipe to T.D.
- B. Formation Density and Compensated Neutron Log with Caliper over selected zones in the Green River, Wasatch, and Mesaverde formations. The caliper will be run from TD to surface pipe.

9. Abnormal pressures and temperatures:

We do not anticipate any abnormal pressures or temperatures. Rotating head will be used while drilling with air for control. BOP's will be used for control while drilling with mud. Mud weight will be increased if necessary to insure adequate control.

10. Starting date and duration:

We plan to spud the well on March 31, 1978, and expect drilling operations to last 57 days.



Conoco:

Minimum BOP Stack	5000 psi Working Pressure
One Pipe Ram	
One Blind Ram	
Manifold	5000 psi Working Pressure
Well Head	5000 psi Working Pressure

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: Jan. 4-
Operator: Continental Oil Co.
Well No: Chapita Fed. 14-5
Location: Sec. 14 T. 9S R. 23E County: Uintah

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API NUMBER: 43-047-30352

CHECKED BY:

Administrative Assistant [Signature]

Remarks: No other wells in Sec. 14

Petroleum Engineer [Signature]

Remarks:

Director _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature]

Survey Plat Required:

Order No. _____

Surface Casing Change
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site

O.K. Rule C-3

O.K. In _____

Unit

Other:

[Signature] Letter Written/Approved

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINES
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116

January 4, 1978

Continental Oil Company
152 North Durbin
Casper, Wyoming 82601

Re: Well No's:
Chapita Federal 14-4
Sec. 14, T. 9 S, R. 23 E,
Chapita Federal 14-5
Sec. 14, T. 9 S, R. 23 E,
Chapita Federal 15-6
Sec. 15, T. 9 S, R. 23 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with Rule C-3, General Rules and Regulations.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig numbers be identified.

The API number assigned to this well is:

14-4: 43-047-30351
15-6: 43-047-30353

14-5: 43-047-30852

Very truly yours,

CLEON B. FEIGHT
Director



OIL, GAS, AND MINING BOARD

SCOTT M. MATHESON
Governor

I. DANIEL STEWART
Chairman

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
February 24, 1978

CLEON B. FEIGHT
Director

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

Mr. Charles Tarr
Continental Oil Company
152 North Durbin
Casper, Wyoming 82601

Dear Mr. Tarr:

Relative to the hearing and subsequent Board Order in Cause #173-1, and 174-1, please be advised that the previously approved permits to drill on the following wells have been cancelled, due to non-conformity with the Board's orders:

- 1) Conoco - Mountain Lion 34-2
Sec. 34, T. 8S, R. 21E, Uintah County, Utah
API No. 43-047-30338
- 2) Conoco - Chapita Federal 13
Sec. 13, T. 9S, R. 23E, Uintah County, Utah
API No. 43-047-30299
- ✓ 3) Conoco - Chapita Federal 14-5
Sec. 14, T. 9S, R. 23E, Uintah County, Utah
API No. 43-047-30352
- 4) Conoco - Chapita Federal 15
Sec. 15, T. 9S, R. 23E, Uintah County, Utah
API No. 43-047-30298

Furthermore, the following wells are acceptable as originally permitted. However, if the locations are moved relative to Mr. E. W. Guynn's suggestions dated 2/15/78, they will then be contrary to the Board's order and as such, are summarily denied. The wells in question are:

- 1) Conoco - Chapita Federal 15-6
Sec. 15, T. 9S, R. 23E, Uintah County, Utah
API No. 43-047-30353

Continental Oil Company
page 2

- 2) Conoco - Chapita Federal 13-3
Sec. 13, T. 9S, R. 23E, Uintah County, Utah
API No. 43-047-30350

If there are any questions relative to the above, please do not hesitate to call.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Patrick L. Driscoll
PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/ka
cc: U.S.G.S. - SLC
BLM - Vernal