

# Subsequent Report of Abandonment

## FILE NOTATIONS

Entered in N I D File   
Entered On S R Sheet \_\_\_\_\_  
Location Map Pinned   
Card Indexed   
I W R for State or Fee Land \_\_\_\_\_

Checked by Chief PWB  
Copy N I D to Field Office \_\_\_\_\_  
Approval Letter   
Disapproval Letter \_\_\_\_\_

## COMPLETION DATA:

Date Well Completed 2-16-66

Location Inspected \_\_\_\_\_

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

Bond released \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA

State of Fee Land \_\_\_\_\_

## LOGS FILED

Driller's Log 3-25-66

Electric Logs (No. ) 3

E \_\_\_\_\_ I \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N  Micro 100%

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic  Others \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
**U-0126304-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Alkali Canyon**

9. WELL NO.  
**2**

10. FIELD AND POOL, OR WILDCAT  
**Paradox**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 15, T37S, R23E-S1M**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

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  
**P. O. Box 1621, Durango, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface **1980' FNL, 660' FWL**  
 At proposed prod. zone **C SW NW**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**8 miles SE of Blanding, Utah**

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	<b>5940'</b>	16. NO. OF ACRES IN LEASE	<b>1280</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL	<b>80</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	<b>3800'</b>	19. PROPOSED DEPTH	<b>6450'</b>	20. ROTARY OR CABLE TOOLS	<b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5833' GR**

22. APPROX. DATE WORK WILL START\*  
**1-22-66**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>12 1/4"</b>	<b>8 5/8"</b>	<b>24#</b>	<b>300'</b>	<b>200 sacks</b>
<b>7 7/8"</b>	<b>4 1/2"</b>	<b>10.5#</b>	<b>6450'</b>	<b>200 sacks</b>

We propose to drill this well to further evaluate and develop the Johnson Creek member of the Paradox Formation. Samples will be taken and the well drill-stem tested. If commercial production is indicated, production casing will be run and the well completed. Note: If logs indicate a high potential well, 5 1/2" production casing will be run instead of 4 1/2".

C-L  
F-L

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. Original Signed By:  
 SIGNED H. D. HALEY TITLE District Manager DATE 1/17/66

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

COMPANY CONTINENTAL OIL COMPANY

Well Name & No. ALKALI CANYON No. 2

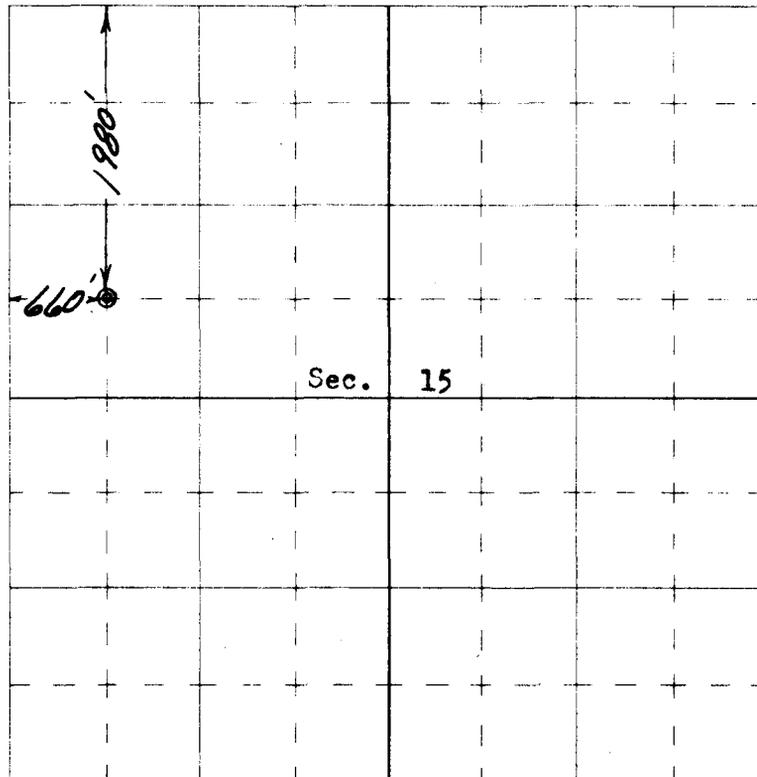
Lease No. \_\_\_\_\_

Location 1980 FEET FROM THE NORTH LINE & 660 FEET FROM THE WEST LINE

Being in center SW NW

Sec. 15, T 37 S, R 23 E, S.L.M., San Juan County, Utah

Ground Elevation 5833' ungraded



Scale -- 4 inches equals 1 mile

Surveyed 12 January

, 19 66

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.

Seal:

ERNST ENGINEERING CO  
DURANGO, COLORADO



*Robert H. Ernst*

Registered Professional  
Engineer and Land Surveyor.  
Robert H. Ernst  
Colo. PE & LS 4979  
N. Mex. PE & LS 2463

Dick  
Mr. Ornel] Continental Oil Co.

Albion Comp #2

Log top:

Enbid - 1073

Noraji - 1290

Wengut - 1960

Shenli - 2240

Shenung - 2970

Cocoveri - 3200

Orgerback - 3240

Nemura - 5060

Est. Johnson  
Creek } 26115

T.D - 6470

DST Johnson Creek - 6165 - 6300 = 390 <sup>low pressure</sup> gas C mud

Play:

(1) 100' cover Ismay & Dent Creek  
( If read salt well put plug

(2) 100' - 50' above & below Johnson (upper Ismay)

(3) ' 5000 - 5100 → top of Nemura.

(4) 2850 - 2950 - Shenli

(5) 2400 - 2300 - Cross Shenli

(6) 1750 - 1350 - Noraji

(7) 25 in & 25' out - surface pipe (8 5/8 @ 312

(8) 10 in at surface

running low, no water flows

POB

January 20, 1966

Continental Oil Company  
P. O. Box 1621  
Durango, Colorado

Re: Well No. Alkali Canyon #2,  
Sec. 15, T. 37 S., R. 23 E.,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is granted.

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

PAUL W. BURCHELL, Chief Petroleum Engineer  
HOME: 277-2890 - Salt Lake City, Utah  
OFFICE: 328-5771 - 328-5772 - 328-5773

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly accessible near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

CBF:ah

cc: Jerry Long, District Engineer  
Box 1809  
Durango, Colorado

**UNITED STATES DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY Conoco Les. 168470**

SUBMIT IN **APPLICATE\***  
 (Other instructions on reverse side)

Form approved.  
 Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**U-0126304-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Alkali Canyon**

9. WELL NO.

**2**

10. FIELD AND POOL, OR WILDCAT

**Paradox**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

**Sec. 15, T37S, R23E-SLM**

12. COUNTY OR PARISH

**San Juan**

13. STATE

**Utah**

1.

OIL WELL  GAS WELL  OTHER  **Non-commercial**

2. NAME OF OPERATOR

**Continental Oil Company**

3. ADDRESS OF OPERATOR

**P. O. Box 1621, Durango, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)

At surface

**1980' FNL, 660' FWL**

14. PERMIT NO.

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

**5833' GR 5844' DF**

16.

**Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

**Spudded 1/26/66. Ran 8 5/8" casing to 312' and cemented with 250 sacks. T.D. 6470'. Cut cores at 6037-56' and 6056-68' with no shows in either core. A DST in the Johnson Creek Formation 6155-6300' recovered 390' of gas cut mud. Logs indicate 2 benches of very poorly developed porosity in the Johnson Creek. The Desert Creek is very shaley and thin, no development. The well is non-commercial and we propose to plug and abandon as follows:**

**Cement Plugs: 6260-6360'  
 6050-6150'  
 5000-5100'  
 2850-2950'  
 2200-2300'  
 1250-1350'  
 287-337'**

**10 sacks on surface with regulation marker.**

*Yarbal approval*

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

SIGNED **ORIGINAL SIGNED BY:** **BEN W. SMITH** TITLE **Assistant District Manager** DATE **2-16-66**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY **Conoco Les. #168470**

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.

**U-0126304-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Alkali Canyon**

9. WELL NO.

**2**

10. FIELD AND POOL, OR WILDCAT

**Paradox**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

**Sec. 15, T37S, R23E-S1M**

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  
**P. O. Box 1621, Durango, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface  
**1980' FWL, 660' FWL**  
At top prod. interval reported below  
  
At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

15. DATE SPUDDED **1/26/66** 16. DATE T.D. REACHED **2/15/66** 17. DATE COMPL. (Ready to prod.) **P&A 2/16/66** 18. ELEVATIONS (DF, REF, RT, GR, ETC.)\* **3833' GR 5844' DF** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6470'** 21. PLUG, BACK T.D., MD & TVD \_\_\_\_\_ 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS **0-6470'** CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* \_\_\_\_\_ 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **GRN** 27. WAS WELL CORED **Yes**

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<b>8 5/8"</b>	<b>24#</b>	<b>312'</b>	<b>12 1/4"</b>	<b>250 sacks</b>	<b>None</b>

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

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

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
	<b>Plugged and Abandoned</b>	

33.\* PRODUCTION

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

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 ORIGINAL SIGNED BY: BEN W. SMITH TITLE Assistant District Manager DATE 3-23-66

\*(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 38, 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		DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
	DEPTH	TRUE VERT. DEPTH			MEAS. DEPTH	TOP
Hermosa	6037'	6056'	Core 1. Cut 19'. Rec. 7' ls, very finely xln, hard, tight, MS, 1' anhy, 6' ls, med. grey, xln, MS, 4' blk calcareous sh, 1' ls, grey, dense, MS.	Katreda	1074'	
	6056'	6068'	Core 2. Cut 12'. Rec. 12' very hard, dense ls, MS.	Mavejo	1320'	
	6160'	6300'	DST 1. Open 14 mins, SI 60 mins, op 60 mins SI 60 mins. No GTS. Rec. 390' gas cut mud. IHH 2948#, ISIP 543#, Flow period 1-1FP 246#, FFP 247#. Flow period 2-1FP 64#, FFP 460#. FSIP 524#, FHH 2948#.	Chinle	2234'	
Hermosa				Organ Rock	3240'	
				Hermosa	5058'	
Johnson Creek				Johnson Creek	6115'	
				J-1	6273'	
				Desert Creek	6360'	
			Base Det. Crk.	6436'		

MAR 25 1966

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
348 EAST SOUTH TEMPLE  
SUITE 301  
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Alkali Canyon No. 2

Operator Continental Oil Company Address P. O. Box 1621 Phone 247-2580  
Durango, Colorado

Contractor \_\_\_\_\_ Address \_\_\_\_\_ Phone \_\_\_\_\_

Location SW 1/4 NW 1/4 Sec. 15 T. 37 N R. 23 E San Juan County, Utah.  
S W

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continued on reverse side if necessary)

Formation Tops:

Entrada 1074, Navajo 1320, Wingate 1960, Shinarump 2906, DeChelley 3170,  
Organ Rock 3240, Hermosa 5058, Ismay 6117, Desert Creek 6360.

Remarks:

No water flows encountered.

- NOTE:
- (a) Upon diminishing supply of forms, please inform the Commission.
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
  - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY **Conoco** **Lease No. 168470**

SUBMIT IN THIS STATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**U-0126304-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**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 "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL  GAS WELL  OTHER **P&A**

2. NAME OF OPERATOR

**Continental Oil Company**

3. ADDRESS OF OPERATOR

**P. O. Box 1621, Durango, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

**1980' FNL, 660' FWL**

14. PERMIT NO.

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

**5833' GR 5844' DF**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Alkali Canyon**

9. WELL NO.

**2**

10. FIELD AND POOL, OR WILDCAT

**Paradox**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

**Sec. 15, T37S, R23E-SLM**

12. COUNTY OR PARISH 13. STATE

**San Juan**

**Utah**

16.

**Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

**This well was drilled to a T.D. of 6470'. Cores were taken with no shows. The well is non-commercial and was plugged and abandoned 2/16/66 as follows:**

**35 sack plug 6410'-6310'**

**35 sack plug 6165'-6065'**

**35 sack plug 5100'-5000'**

**35 sack plug 2950'-2850'**

**35 sack plug 2300'-2200'**

**35 sack plug 1350'-1250'**

**15 sack plug in top with dry hole marker.**

**Cleaned location preparatory to final inspection.**

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

ORIGINAL SIGNED BY:

SIGNED **BEN W. SMITH**

TITLE **Assistant District Manager**

DATE **3-23-66**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side