

FILE CONDITIONS

in NID File
 S R Sheet
 Location Map Pinned
 Card Indexed
 IWR for State or Fee Land

Checked by Chief QMB
 Copy NID to Field Office
 Approval Letter
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 12-11-64
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 1-2-65
 Electric Logs (No.) 2

E _____ I _____ E-I GR _____ GR-N _____ Micro _____
 Lat _____ Mi-L _____ Sonic GR Others _____

Sub-report of Abandonment

copy HHC

**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
PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface **660 P.M. and 660 P.M.**

At proposed prod. zone **Same** *CNWJW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
30 miles west of Towner, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)
660

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
None

19. PROPOSED DEPTH
5850 ✓

20. ROTARY OR CABLE TOOLS
Rotary

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

22. APPROX. DATE WORK WILL START*
November 10, 1964

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	6-5/8"	26	1500 ✓	150 Sacks
7-7/8"	4-1/2"	10.54	5850 ✓	300 Sacks

Completion will be as indicated upon reaching total depth.
 Copies of location plat are attached.
 Copies of any logs run will be furnished upon completion of well.

Verbally approved November 6, 1964, Dick Krahl to F. H. Hollingsworth.

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. **Fred L. Labors, District Engineer**
 ORIGINAL SIGNED BY
F. H. HOLLINGSWORTH
 SIGNED _____ TITLE _____ DATE **November 10, 1964**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Aug SA
Copy OK
SA.

File

AMB

PLUGGING PROGRAM FORM

Name of Company PAN AMERICAN Pet Verbal Approval Given To: FRANK HOLLINSWORTH

Well Name: NAV TRIBAL 1-W Sec. 18 T. 41S R. 26E County: SAN JUAN

Verbal Approval was given to plug the above mentioned well in the following manner:

T.D. 5890' - Desert Creek
8 5/8" set @ 268' w/220 SX
DST #1 L. Ismay - 5689-5701 (5682'-5694' corr)
REL 120' GCM, 4557' SW. ISI 2220# IF 225 FSI 2192
DST #2 - D. Crk. 5706'-5890' REL 350 511 GCM
600' sh m + GC S.W. 1730' S.W.
ISI 2332# IHR - IF - 375# IF - 1310# FSI 2333

D. Crk	5778'] 110' SX Fr. TO - 5540
L. Ismay	5670'	
U. "	5584'	
Hermosa	4696'	40 SX Fr. 4650'-4550'
Cutler	298'	
De Chelley	2802'] 80 SX Fr 2950-2750
Cutler	2782'	
Base Nav	992'	60 SX Fr 1100-950
Surface Pipe	268'	40 SX Fr 320-220
Surface]	58 SX AT SURFACE

Date Verbally Approved: Danny S. [Signature]
December 11, 1964

Signed: _____

November 12, 1964

Pan American Petroleum Corporation
P.O. Box 480
Farmington, New Mexico

Re: Well No. Navajo Tribal "W" 1
Sec. 18, T. 41 S., R. 26 E.,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above well is hereby granted. However, it would be appreciated if you could inform us as to the formation you plan to test.

As soon as you have determined 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
Office: DA 8-5771, DA 8-5772 or DA 8-5773
Home: CR 7-2890 Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable 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. FREIGHT
EXECUTIVE DIRECTOR

CBF:sh

cc: P. T. McGrath, Dist. Eng., Box 959, Farmington, New Mexico

Harvey L. Coonts, Pet. Eng., Box 266, Moab, Utah

PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico
November 17, 1964

File: N-745-400.1

Subject: Navajo Tribal "W" No. 1
NW/4 Section 18, T-41S, R-26E
San Juan County, Utah

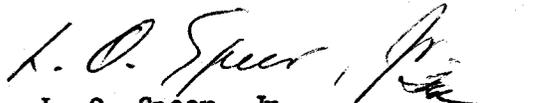
Mr. Cleon B. Feight
The State of Utah
Oil & Gas Conservation Commission
348 East South Temple, Suite 301
Salt Lake City, Utah

Dear Sir:

This refers to your letter of November 12, 1964,
on the subject Navajo Tribal "W" No. 1. This well is to
test the Desert Creek (Paradox) at an estimated total depth
of 5850'.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION



L. O. Speer, Jr.
Area Superintendent

FHH:en

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-709

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal "W"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

**NW/4 NW/4 Section 18,
T-41-S, R-26-E**

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1.

OIL WELL GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

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

At surface **660 FNL and 660 FWL**

14. PERMIT NO.

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

4824 (RDB)

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE 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.)*

As a result of failure to find oil or gas in commercial quantities we propose to plug and abandon the above well as follows:

1. Spot 110 sack cement plug 5890 (TD) to 5540 (Desert Creek 5778, Lower Ismay 5670, Upper Ismay 5584).
2. Spot 40 sack cement plug 4650 to 4550 (Hermosa 4696).
3. Spot 80 sack cement plug 2950 to 2750 (Cutler 2782, Top DeChelly 2802, Base DeChelly 2895).
4. Spot 60 sack cement plug 1100 to 950 (Base Navajo 992).
5. Spot 40 sack cement plug 320 to 220 (8-5/8" set at 268).
6. Spot 5 sack cement plug 15 to Surface.
7. Erect abandonment marker and clean up location.

Verbally approved 12-10-64, R. B. Krahl to F. H. Hollingsworth.

Verbally approved 12-11-64, H. L. Coonts to F. H. Hollingsworth.

18. I hereby certify that the foregoing is true and correct **Fred L. Nabors, District Engineer**

SIGNED _____ ORIGINAL SIGNED BY **F. H. HOLLINGSWORTH** TITLE _____ DATE **December 29, 1964**

(This space for Federal or State office use)

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

COMPANY Pan American Petroleum Corporation

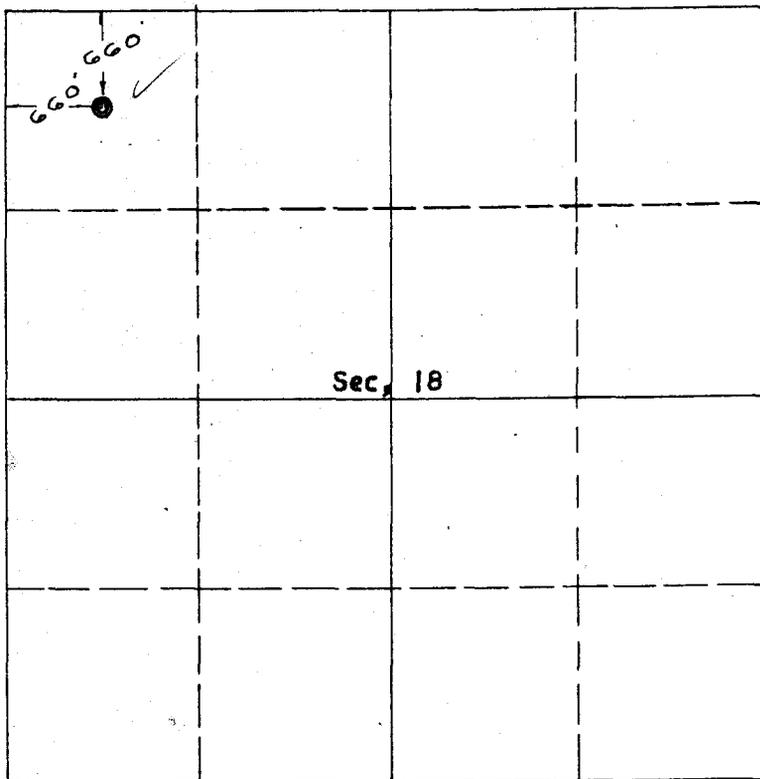
Well Name & No. Navajo Tribal "W" Well No. 1 Lease No. 14-88-100-700

Location 660 feet from the North line and 660 feet from the West line.

Being in NW $\frac{1}{4}$ NW $\frac{1}{4}$

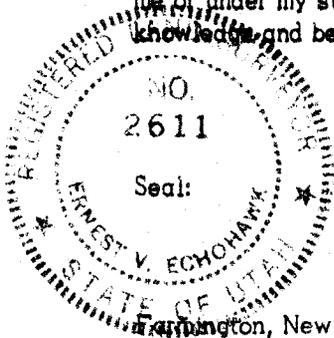
Sec. 18, T41 ^{S.} ~~N.~~, R26 ^{E.} ~~W.~~, ~~N.M.P.M.~~, Salt Lake Meridian, San Juan County, Utah.

Ground Elevation



Surveyed November 6, 19 64

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.



Ernest V. Echohawk

Ernest V. Echohawk
Registered Land Surveyor
N. M. Reg. #1545
Utah Reg. No. 2611

Washington, New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS STATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-709

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal "W"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

N¹/₄ NW¹/₄ Section 18,
T-41-S, R-26-E

1.

OIL WELL GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

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

660 FNL and 660 FNL

14. PERMIT NO.

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

4824 (RDB)

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.)*

As a result of failure to find oil or gas in commercial quantities the above well was plugged and abandoned December 11, 1964, as follows:

1. Spotted 110 sack cement plug 5890 (TD) to 5540 (Desert Creek 5778, Lower Ismay 5670, Upper Ismay 5584).
2. Spotted 40 sack cement plug 4650 to 4550 (Harnosa 4696).
3. Spotted 80 sack cement plug 2950 to 2750 (Cutler 2782, Top DeChally 2802, Base DeChally 2895).
4. Spotted 60 sack cement plug 1100 to 950 (Base Navajo 992).
5. Spotted 40 sack cement plug 320 to 220 (8-5/8" set at 268).
6. Spotted 5 sack cement plug 15 to surface.
7. Erected abandonment marker and cleaned up location.

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

Fred L. Nabors, District Engineer

SIGNED

ORIGINAL SIGNED BY

TITLE

DATE

December 29, 1964

F. H. HOLLINGSWORTH

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-709

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal "W"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

**NW/4 NW/4 Section 18,
T-41-S, R-26-E**

12. COUNTY OR PARISH 13. STATE

San Juan Utah

1.

OIL WELL GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

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

At surface **660 FNL and 660 FWL**

14. PERMIT NO.

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

4824 (RDB)

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) **Well History**

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.)*

The above well was spudded on 11-15-64 and drilled to a depth of 268'. 8-5/8" casing was set at that depth with 220 sacks cement containing 2% calcium chloride. After waiting on cement tested casing with 600 psi. Test OK. Reduced hole size to 7-7/8" and resumed drilling.

DST No. 1. 5689-5701 (corrected Log Depth 5682-5694) (Ismay). Tool open 4 minutes and shut in 1 hour. Tool upon 3 hours. Strong blow immediately and decreasing to weak blow in 45 minutes. Gas to surface in 1 hour and 5 minutes. Recovered 120' gas cut mud and 4557' salt water. Hydrostatic head in 2925, initial shut in bottom hole pressure 2220 in 1 hour. Bottom hole pressure flowing initial 225, final 2192. Final shut in bottom hole pressure 2192 in 1 hour. Hydrostatic head out 2925. Bottom hole temperature 120° F.

DST No. 2. 5706-5890 (corrected log depth 5699-5883) (Lower Ismay and Desert Creek). Shut in 1 hour and tool open 2 hours. Weak blow air immediately and increased to good blow and decreased to weak blow air after 1 hour. Recovered 300' slightly gas cut mud, 600' slightly mud and gas cut water and 1730' salt water. Initial bottom hole pressure shut in 2333 in 1 hour. Bottom hole pressure flowing 375-1310 and final 2333 in 1 hour. Hydrostatic head in 2961 and out 2961.

As a result of failure to find oil or gas in commercial quantities the above well was plugged and abandoned 12-11-64.

18. I hereby certify that the foregoing is true and correct **Fred L. Nabors, District Engineer**

SIGNED _____

**ORIGINAL SIGNED BY
E. H. HOLLINGSWORTH**

TITLE _____

DATE **December 29, 1964**

(This space for Federal or State Office Use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

PW 8

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: Navajo Tribal "W" Lease Well No. 1

Operator PAN AMERICAN PETROLEUM CORP. Address P. O. Box 480
Farmington, New Mexico Phone 325-8841
 Contractor Cactus Drlg. Corp. Address San Angelo, Texas Phone _____

Location: NW 1/4 NW 1/4 Sec. 18 T. 41 ^{XX} S R. 26 ^E San Juan County, Utah. ^{XX}

Water Sands:

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	None			
2.				
3.				
4.				
5.				

(continued on reverse side if necessary)

Formation Tops:

Remarks: Weighted mud (9.9#/Gal.) was used while drilling through the DeChelly so no flow was permitted.

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)

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

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-709

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal "W"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

NW/4 NW/4 Section 18,
T-41-S, R-26-E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. PERMIT NO. DATE ISSUED

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

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

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

At surface 660 PNL and 660 PWL

At top prod. interval reported below

At total depth _____

15. DATE SPUDED

11-15-64

16. DATE T.D. REACHED

12-7-64

17. DATE COMPL. (Ready to prod.)

12-11-64 PxA

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4824 (RDB)

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5890

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-5890

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

None

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction-Electric and Gamma Ray-Caliper- Sonic

27. WAS WELL CORED

No

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#	268'	11"	220 Sacks	None

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)

INTERVAL	SIZE	NUMBER

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)					
		P x A 12-11-64					
DATE OF TEST	HOURS TESTED	CHOKER 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

None

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

Fred L. Nabors, District Engineer

SIGNED

ORIGINAL SIGNED BY

TITLE

DATE December 30, 1964

F. H. HOLLINGSWORTH

*(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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
Surface Sand and Shale	0	268			
Navajo Sand	268	992			
Kingate Sand and Shale	992	2782			
Cutler	2782	2802			
DeChelly	2802	2895			
Base DeChelly	2895	4696			
Upper Hermosa	4696	5584			
Upper Ismay	5584	5670			
Lower Ismay	5670	5778			
Desert Creek	5778	5890 TD			

JAN 7 1965