

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NCO-C-14-20-3523

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Allotment

7. UNIT AGREEMENT NAME

-

8. FARM OR LEASE NAME

Andale

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 12 T21N R6W

12. COUNTY OR PARISH 13. STATE

San Juan

N.M.

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

~~North American Exploration Co. & Tesoro Petroleum Corporation~~

3. ADDRESS OF OPERATOR

108 First State Bank Bldg., Abilene, Texas 79601

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

At surface

1825' FSL & 850' FSL Section 12, T21N R6W

14. PERMIT NO.

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

6550' CL, 6571' KB

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.)

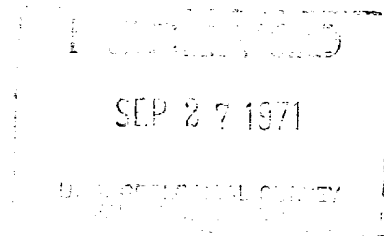
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

DS1#1 Carlisle 4637-4677 Open 60" Rec. 75' drlg. mud NS FP 53, ST 80. DS1 #2 Dakota 4783-4800 Open 60" Rec. 60' drlg. mud cut water, FP 53. 30" ISIP 1881, 60" ISIP 1748. DS1 #3-ST Dakota 4964-4997 Open 90" Rec. 360' mud cut water, FP 27-233, STP 1900.

TOPS - Kpl 2768, Kg 3864, Kgh 4700, Kgr 4752, Kd 4784, Jm 5102

No commercial oil or gas production. Preparing to abandon by filling hole with 10% drilling mud, with cement plugs as follows: 70 sz 4700 to 4950, 40 sz 3800 to 3950, 40 sz 2800 to 2950, 40 sz 200 to 350, 10 sz 0 to 30 feet, with standard pipe marker.

To be plugged 1st September 1971 with verbal approval.



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

SIGNED

Borden H. Gray
Borden H. Gray

TITLE

Project engineer

DATE

15 Sep 71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

ANDELE

Lease Name

1
Well No.1
Test No.

4697'-4737'

Tested Interval

TESORO PETROLEUM CORPORATION-AZTEC WELL

Lease Owner/Company Name

SERVICES

Legal Location
Sec. - Twp. - Rng.

12-21N-8W

Field
Area

WILDCAT

County

SAN JUAN

State

NEW MEXICO

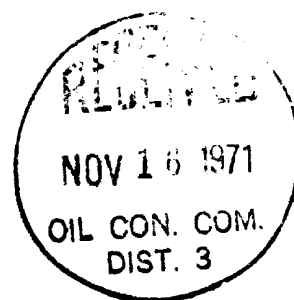
FLUID SAMPLER DATA				Date 9-11-71		Ticket Number 455796	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District FARMINGTON	
Recovery: Cu. Ft. Gas _____				Tester MR. DAVIS		Witness MR. ECHOLS	
cc. Oil _____				Drilling Contractor AZTEC WELL SERVICE DR			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Dakota "A"			
Tot. Liquid cc. _____				Elevation _____ Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 40' _____ Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Rotary Kelly Bushing			
RESISTIVITY CHLORIDE CONTENT				Total Depth 4737' _____ Ft.			
Recovery Water _____ @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8" _____			
Recovery Mud _____ @ _____ °F. _____ ppm				Drill Collar Length 546' _____ I.D. 2.2"			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Pipe Length 4197' _____ I.D. 2.764"			
Mud Pit Sample _____ @ _____ °F. _____ ppm				Packer Depth(s) 4692-4697' _____ Ft.			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Depth Tester Valve 4669' _____ Ft.			
Mud Weight 9.2 vis 40 cp							
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke	
						1/4" Bottom Choke 3/4"	
Recovered 70		Feet of drilling mud		Mea. From Tester Valve			
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks Opened tool for 60 minute first flow with a weak blow, died in 10 minutes.							
Had approximately 15' fill in bottom of hole-bypassed tool, still had a weak blow,							
died in 5 minutes. Closed tool for 60 minute final closed in pressure. CHARTS							
INDICATE PARTIAL PLUGGING DURING FLOW.							
TEMPERATURE		Gauge No. 2032		Gauge No. 2033		Gauge No.	
Depth:		4673 Ft.		4733 Ft.		Depth: _____ Ft.	
		12 Hour Clock		24 Hour Clock		Hour Clock	
Est. °F.		Blanked Off No		Blanked Off Yes		Blanked Off	
Actual 130 °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic -		2294		2328.9 2326		Reported Computed	
First Period Flow Initial 53.3		27		133.0 149		Minutes Minutes	
Final 53.3		33		29.8 60		60	
Closed in 80.0		60		69		60	
Second Period Flow Initial							
Final							
Closed in							
Third Period Flow Initial							
Final							
Closed in							
Final Hydrostatic -		2294		2328.9 2326			

FORMATION TEST DATA

LITTLE'S 83429 10M 4/69-33, 34-13

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub				
Water Cushion Valve				
Drill Pipe	3½"	2.764"	4197'	
Drill Collars	6"	2.2"	540'	
Harding Sub & Choke Assembly				
Dual CIP Valve	5"	1"	4'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	4'	4669'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"		4'	4673'
Hydraulic Jar	5"	1"	4'	
VR Safety Joint	5"	1"	2'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.3"	5'	4692'
Distributor				
Packer Assembly	6 3/4"	1.3"		4697'
Flush Joint Anchor	5 3/4"	2.5"	36'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5 3/4"		4'	4733'

Formation Testing Service Report



NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b₁	= Approximate Radius of Investigation (Net Pay Zone h)	Feet
D.R.	= Damage Ratio	—
El	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h₁	= Net Pay Thickness	Feet
K	= Permeability	md
K₁	= Permeability (From Net Pay Zone h)	md
m	= Slope Extrapolated Pressure Plot (Psi ² /cycle Gas)	psi/cycle
OF₁	= Maximum Indicated Flow Rate	MCF/D
OF₂	= Minimum Indicated Flow Rate	MCF/D
OF₃	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF₄	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_o	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q₁	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100 °F.

PRESSURE

455796-2032

TIME

455796-2033

Each Horizontal Line Equal to 1000 p.s.i.