

(SUBMIT IN TRIPLICATE)

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Indian Agency Navajo Tribal
Council

Allottee _____

Lease No. 14-20-603-2168**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 22, 1960

Ojo AmarilloWell No. 4 is located 1980 ft. from S line and 1980 ft. from W line of sec. 27NE/4 SW/4 Section 2789N14WNMPM

(34 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

UndesignatedSan JuanNew Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 5707 ft.**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudlogging jobs, cementing points, and all other important proposed work)

It is intended to drill a well through the Lower Gallup Formation using rotary tools and mud circulation. Possible productive intervals will be perforated and sandall fractured.

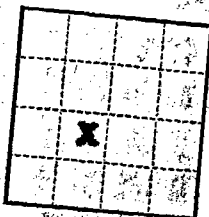
Estimated Total Depth 5470'

Casing Program:

9-5/8" at 160' with 125 sacks cement circulated to surface.5-1/2" at 5470' with 300 sacks cement.The NE/4 SW/4 of Section 27 is dedicated to this well.NE/4 SW/4 Section 27 Navajo Tribal 14-20-603-2168

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Products CompanyAddress Post Office Box 1560Farmington, New MexicoORIGINAL SIGNED BY: JOHN J. STROJEK
By _____Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-2380.4
Approval expires 12-31-60.

Indian Agency **Navajo Tribal**

14-20-603-2168

Allottee _____

Lease No. **14-20-603-2168**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Ojo Amarillo

Well No. **4** is located **1980** ft. from **S** line and **1980** ft. from **W** line of sec. **27**

NE/4 SW/4 Section 27

(4 Sec. and Sec. No.)

29N

14W

Undesignated Gallup

(Field)

San Juan

(County or Subdivision)

NMPM

(Meridian)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is **5707** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spud Date: **June 22, 1960** **June 23, 1960** Total Depth **175'**

Ran 5 joints, 9-5/8", 36.00#, J-55 Csg. (160') set at 173' with 150 sacks regular cement, 2% CaCl₂ circulated to surface.

Held 5000/30 Minutes.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Products Company**

Address **Post Office Box 1360**
Farmington, New Mexico

ORIGINAL SIGNED BY: **J. SEPH E. KREGER**

By _____

Title **Petroleum Engineer**

(SUBMIT IN TRIPLICATE)

Indian Agency **Navajo Tribal**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. **14-20-603-2160**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 21 19 **60**

Ojo Amarillo

Well No. **4** is located **1980** ft. from **S** line and **1980** ft. from **W** line of sec. **27**

NE/4 SW/4 Section 27 **29N** **14W** **NMPM**

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Undesignated Gallup **San Juan** **New Mexico**

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5707** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

July 8, 1960 Total Depth 5364'
Ran 128 joints, 5-1/2", 15.80#, J-55 Csg. (5351') set at 5364' with 100
sacks regular cement, 100 sacks Poamix, 2% gal, 25# Gilsenite/sack.
Held 16000/30 Minutes.
Top of cement by temperature survey at 3980'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Products Company**

Address **Post Office Box 1560**
Farmington, New Mexico

ORIGINAL SIGNED BY: JOSEPH E. KREGER

By _____
Title **Petroleum Engineer**

(SUBMIT IN TRIPLICATE)

Indian Agency **Navajo Tribal**

	X	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAllottee _____
Lease No. **14-20-603-2168**

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIRING	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Sandoll Prec.	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 21, 1960

Ojo Amarillo
Well No. **4** is located **1980** ft. from **XXX** line and **1980** ft. from **XXX** line of sec. **27**
NE/4 SW/4 Section 27 **29N** **14W** **NMPM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Undesignated Gallup **San Juan** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5707** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

July 14, 1960 Total Depth 5364'. Clean Out Total Depth 5315'.

Sandoll fractured Lower Gallup perforated intervals 5238-5250 (perf. 4 sh./ft.)
with 50,820 gals. lease crude and 42,000# sand. Breakdown pressure 3300 psig;
maximum treating pressure 2200 psig; average treating pressure 2050 psig.
Injection Rate: 24.5 bbis./min. Flush with 5260 gals. lease crude.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Products Company**Address **Post Office Box 1560**
Farmington, New Mexico

ORIGINAL SIGNED BY: JOSEPH E. KREGER

By

Title **Petroleum Engineer**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other Instructions
verse side)

Budget Bureau No. 1004-01 to
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
14-20-603- 2168A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

RECEIVED
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 ☐
2. NAME OF OPERATOR 019 FARMINGTON, N.M.

3. ADDRESS OF OPERATOR
Sirgo Operating, Inc.
P.O. Box 3531, Midland, Texas 79702

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

Unit K, 1980 F32 1980 FWL

14. PERMIT NO. 30-045-0783700 15. ELEVATIONS (Show whether DF, RT, CR, etc.)

Navajo
7. UNIT AGREEMENT NAME
NW Cha Cha Unit
8. FARM OR LEASE NAME

9. WELL NO.
50
10. FIELD AND POOL, OR WILDCAT
Cha Cha Gallup
11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 27 T29N R14W
12. COUNTY OR PARISH San Juan 13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
KIDNUT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) Change in well #

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.) *

Change well number from 27²³ to 50.

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

SIGNED Bonnie Atwater TITLE Production Technician

ACCEPTED FOR RECORD
DATE 2-6-91

(This space for Federal or State office use)

JUN 01 1991

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

FARMINGTON RESOURCE AREA
Sm

*See Instructions on Reverse Side

OPERATOR

WELLBORE DIAGRAM

K.B.ELEV.: _____
K.B.CORRECTION: _____
C.L.ELEV.: 5695

HOLE SIZE: _____"

9 5/8" 36 555 GRADE
SET AT 173
CEMENT WITH 150 SX
Top of Cement at Surf

HOLE SIZE: _____"

D.V. tool @ _____'
Cement with _____ SX

*TOP PERF: 5238

FIELD: Cha Cha
FORMATION: Gallup

*BOT PERF: 5250

PBTD: 5315'

TOTAL DEPTH 5364

*INDIVIDUAL PERFS: 5238-50

5 1/2" 15.5 555 GRADE
SET AT 5364
CEMENT WITH 200 SX _____ STGS
Top of cement at 3980

____ SPF = _____ HOLES

LEASE NAME: Cha Cha

WELL NO.: 2723 ²⁷⁻¹⁰

WELLBORE DIAGRAM AS OF DATE: 11/1/90

STATE: NM COUNTY: San Juan ^{Unit} ~~Block~~: K SECTION: 27

TOWNSHIP: 29N RANGE: 14W LEGAL: 1980 S 1980 W

OPERATOR: SOI WORKING INTEREST: _____ ROYALTY INTEREST: _____

COMPLETION DATE: 8/1/60 CURRENT STATUS: (PIU) (FLOW) (INJ) (T/A) (SI) Active

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo Tribal

APPROVED
UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

JUN 9 1960
P. J. McGRATH
DISTRICT ENGINEERAllottee 14-20-603-2168Lease No. 14-20-603-2168

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Verbal approval received 6-3-60.June 8, 1960U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Ojo Amarillo
Well No. 3 is located 1980 ft. from S line and 780 ft. from E line of sec. 27
NE/4 SE/4 Sec. 27 29N 14W NMPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Undesignated San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5788 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to drill a well through the Lower Gallup formation using rotary tools and mud circulation. Possible productive intervals will be perforated and sandoil fractured.

Estimated Total Depth - 5550'

Casing Program:

9-5/8" at 200' with 200 sacks cement circulated to surface.

5-1/2" at 5550' with 20 sacks cement.

The NE/4 SE/4 of Section 27 is dedicated to this well.

NE/4 SE/4 Section 27 Navajo Tribal 14-20-603-2168

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Products CompanyAddress P. O. Box 1565
Farmington, New Mexico

ORIGINAL SIGNED BY: JOSEPH E. KREGER

By _____

Title Petroleum Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency **Navajo Tribal**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. **14-20-603-2168**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

RECEIVED
JUN 27 1960

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Ojo Amarillo

Well No. **8** is located **1980** ft. from **S** line and **780** ft. from **E** line of sec. **27**

NE/4 SE/4 Section 27

29N

14W

NMPM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Undesignated

San Juan

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is **5788** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spud Date: **June 4th, 1960. June 7, 1960 Total Depth 210'**

Ran 6 joints, 9-5/8", 26,000#, J-55 Csg. (187.68') set at 201.68' with 200 sacks regular cement, 2% CaCl circulated to surface.

Held 300#/30 Minutes.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Products Company**

Address **Post Office Box 1560**

Farmington, New Mexico

ORIGINAL SIGNED BY: JOSEPH E. KREGER

By _____

Title **New Mexico Petroleum Engineer**

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4
Approval expires 12-31-60.

Indian Agency **Navajo Tribal**

Allottee _____
Lease No. **14-20-6032163**
14-20-603-2168

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 28, 19 60

Ojo Amarillo
Well No. **3** is located **1980** ft. from **N** line and **780** ft. from **E** line of sec. **27**
NE/4 SE/4 Section 27 **29N** **14W** **NMPM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Undesignated Gallup **San Juan** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5788** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging, cementing points, and all other important proposed work)

June 20, 1960 Total Depth 5596'.

Ran 134 joints, 5-1/2", 15.50#, J-55 Casing (5585') set at 5595' with 100 sacks regular cement, 100 sacks Pozmix, 2% gel, 25# Gilsontite/sack.
Held 1000#/30 Minutes.

Top of cement by temperature survey at 4300'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

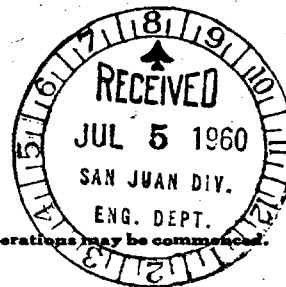
Company **El Paso Natural Gas Products Company**

Address **Post Office Box 1560**
Farmington, New Mexico

ORIGINAL SIGNED BY: J. SEPH E. KREGER

By _____

Title **Petroleum Engineer**



(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo Tribal

			X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAllottee _____
Lease No. 14-20-403-2168

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<u>Sandoil Frac.</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

JUL 1 1960

Ojo Amarillo
Well No. 178 is located 1980 ft. from S line and 780 ft. from E line of sec. 27
NE/4 SE/4 Section 27 29N 14W NMPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Undesignated Gallup San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5788 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

June 27, 1960 Total Depth 5596'. Clean Out Total Depth 5553'.

Sandoil fractured Lower Gallup perforated intervals 5328'-5346' (perf. 4 sh./ft.)
with 51,828 gals. lease crude and 10,000# sand. Breakdown pressure 2100 psig;
maximum treating pressure 3100 psig; average treating pressure 2050-2700 psig.
Injection Rate: 22.2 bbls./min. Flush with 5346 gals. lease crude. Dropped
26 perforation ball sealers one time.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Products CompanyAddress Post Office Box 1560
Farmington, New Mexico

ORIGINAL SIGNED BY: VAN E. DYKES

By _____

Title Petroleum Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE
(Other Instructions
reverse side)

Budget Bureau No. 42-N1424

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-2168

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

NW Cha Cha

8. FARM OR LEASE NAME

NW Cha Cha Unit

9. WELL NO.

43-27

10. FIELD AND POOL, OR WILDCAT

Cha Cha Gallup

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

Sec. 27-29N-14W NMPM

12. COUNTY OR PARISH 13. STATE

San Juan

N.M.

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 ☐

2. NAME OF OPERATOR

Humble Oil & Refining Company

3. ADDRESS OF OPERATOR

P. O. Box 120, Denver, Colorado 80201

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

NE SE (1980' FSL, 780' FEL) Sec. 27

14. PERMIT NO.

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

5790' 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.)*

Well is an uneconomical producer. Last test 3-31-72 - 1 BO, 87 EWPD.

TD 5596', PBTD 5553'. 9-5/8" csg. set at 202' w/200 sx cement circ. to surface;

5 1/2" csg. set at 5595' w/200 sx. TOC 4300' (temp. survey). Perf. 5320-5346' w/4 SPF.

We propose to plug and abandon well as follows: Spot 15 sx cement 5346-5246'; 15 sx cement 4400-4300'. Run free point, cut and pull as much 5 1/2" csg. as possible. Spot 40 sx cement (100' plug) between base of Pictured Cliffs at 1400' and top of Mesaverde at 2847'; 40 sx cement 1250-1150' across top of Pictured Cliffs at 1228'; 40 sx cement 252-152' across bottom of surface csg.; 15 sx cement 30-0'. Intervals between plugs to be filled with mixed mud. Place regulation dry hole marker in top of surface casing and clean location for inspection.

cc: 2 - New Mexico Oil Conservation Commission
1 - Minerals Supervisor - Navajo Tribe
1 - Midland

RECEIVED

JUN 6 1972

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

SIGNED

J. Roy Dorrough

TITLE Dist. Supt.

DATE 5-30-72

(This space for Federal or State office use)

APPROVED

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JUN 6 1972

P. T. McGRATH

DISTRICT ENGINEER

*See Instructions on Reverse Side

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.

14-20-603-2168

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

NW Cha Cha

8. FARM OR LEASE NAME

NW Cha Cha Unit

9. WELL NO.

43-27

10. FIELD AND POOL, OR WILDCAT

Cha Cha Gallup

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

Sec. 27-29N-14W NMPM

12. COUNTY OR PARISH 13. STATE

San Juan

N. M.

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

RECEIVED

2. NAME OF OPERATOR

Humble Oil & Refining Company

FEB 14 1973

3. ADDRESS OF OPERATOR

P. O. Box 120, Denver, Colorado 80201 lt. Operations

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

NE SE (1980' FSL, 780' FEL) Sec. 27

14. PERMIT NO.

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

5790' 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.)*

9-30-72 Spot 15 sack cement plug from 5346-5246

Spot 15 sack cement plug from 4400-4300

10-2-72 Spot 40 sack cement thru hole @ 1650. Top of cement inside casing @1550.

10-5-72 Shot off casing @ 1280. Pulled casing.

10-6-72 Spot 50 sack cement plug from 1300' to 1150'.

Spot 40 sack cement plug from 252-152.

10-9-72 Installed regulation dry hole marker with 10 sack cement plug 0-30'.

Cleaned location for inspection. Intervals between plugs filled with gelled mud.

CC: 2-New Mexico Oil Conservation Commission

1-Minerals Supervisor-Navajo Tribe

1-Midland

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

SIGNED

J. Roy Dorrough

TITLE District Superintendent

DATE

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

WELLBORE DIAGRAM

PF
K.B. ELEV.: 5788
K.B. CORRECTION: 12
C.L. ELEV.: 5776

HOLE SIZE: _____"

40 1/4 plug ←
250'-150'

50 1/4 plug ←
1300'-1150'

LE SIZE: _____"

D.V. tool @ _____'
Cement with _____ sx

10 1/4 plug 0-30

9 5/8" 36 # J55 GRADE

SET AT 202

CEMENT WITH 200 SX

Top of Cement at Surf

shot off @ 1580 & pulled

TOC 1550

hole @ 1650
40 sec and three holes

15 1/4 plug 4400-4300

15 1/4 Cmt plug 5346-5246

*TOP PERF: 5328

FIELD: Cha Cha
FORMATION: Gallup

*BOT PERF: 5346

PBTD: 5553'

TOTAL DEPTH 5596'

*INDIVIDUAL PERFS: 5328-46

5 1/2" 15.5 # J55 GRADE

SET AT 5595

CEMENT WITH 200 SX _____ STGS

Top of cement at 4300'

_____ SPF = _____ HOLES

LEASE NAME: Cha Cha WELL NO.: 27-12 #51

WELLBORE DIAGRAM AS OF DATE: 11/1/90

STATE: NM COUNTY: San Juan Unit BLOCK: I SECTION: 27

TOWNSHIP: 29N RANGE: 14W LEGAL: 1930 S 780 E

OPERATOR: SOI WORKING INTEREST: _____ ROYALTY INTEREST: _____

COMPLETION DATE: 7/14/60 CURRENT STATUS: (PIW) (FLOW) (INJ) (T/A) (SI) PA