

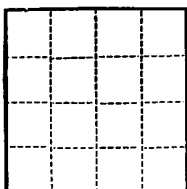
EL PASO NATURAL GAS COMPANY

3-25-68

Corrections of List of Wells Dated February 14, 1968, Concerning Acreage Corrections

WELLS REQUIRING FILE CORRECTIONS ONLY

<u>LEASE NAME & WELL NUMBER</u>	<u>LOCATION</u>	<u>POOL</u>	<u>PRESENT ACREAGE</u>	<u>CORRECT ACREAGE</u>
Huerfano Unit #154	B-1-25N-10W	Undes. PC Corrected well name	161.74	159.91 ✓
Huerfano Unit #63	F-4-26N-10W	W.Kutz PC Corrected Acreage	160	160.31 ✓
San Juan 27-4 Unit #14-X	L-18-27N-4W	Blanco MV No change - delete from list	W 321.12	W 321.12 ✓
Rincon Unit #174	N-19-27N-6W	Basin Dakota Corrected well name	S 318.72	S 319.40 ✓
Huerfano Unit #74	M-19-27N-10W	Ful.Kutz PC Corrected well name	166.99	167.19 ✓
Indian A #2	N-30-29N-3W	Chosa Mesa PC	253.55	S 253.63 ✓
Scott #6	K-4-31N-10W	Blanco MV No change - Delete from list	S 320	S 320



(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Santa Fe
Lease No. 079366
Unit Rincon Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	XX
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 RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING 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
OCT 16 1962

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

October 15

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO
19 62

Well No. 174 is located 990 ft. from XXX line and 1650 ft. from XXX line of sec. 19
SW Section 19 27-N 6-W N.M.P.M.
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Basin Dakota Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6602 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 9-29-62.
on 10-1-62 T.D. 325'.
Ran 8 joints 9 5/8" 40# N-80 (310')
set at 322'. Cemented w/210 sacks regular, 1/8#
floccs/sk.



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 Company

Address Box 990

Farmington, New Mexico

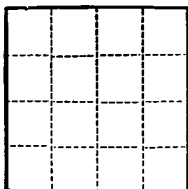
By ORIGINAL SIGNED H.E. McANALLY

Title Petroleum Engineer

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079366
Unit Rincon Unit



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	XX
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 RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING 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

October 24, 1962

Well No. 174 is located 990 ft. from XXN line and 1650 ft. from XXE line of sec. 19

SW Section 19 27-N 6-W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

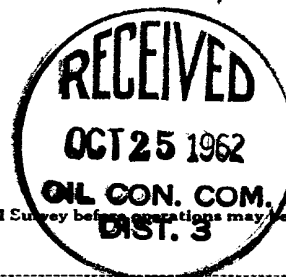
Basin Dakota Rio Arriba New Mexico
(Township) (County or Subdivision) (State)

The elevation of the derrick floor above sea level is 6602 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)

On 10-18-62, T.D. 7622'. Ran 243 joints 4 1/2" casing (1172' 11.6# on bottom, 6111' 10.5# in middle, 327' 11.6# on top). 2nd stage tool set at 5627', 3rd stage tool @ 3296'. total (7610') set at 7622'. Cemented 1st stage w/185 sacks 1:1 Diamix, 2# A-7, 1/8# floccle. Cemented 2nd stage w/150 sacks Diamix & El Toro "35", 1/4 cu. ft. Strata-Crete "6"/sk., 1/8# Cello. 3rd stage w/212 sacks 1:1 Diamix, El Toro "35", 1/4 cu. ft. Strata-Crete "6"/sk. 1/8# Cello. Held 1500#/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 Company

Address Box 990

Farmington, New Mexico

By ORIGINAL SIGNED H.E. McANALLY

Title Petroleum Engineer

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 1, 1962

Operator El Paso Natural Gas Company		Lease Rincon No. 174	
Location 900'S, 1650'W, Sec. 19-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7622	Tubing: Diameter 2.375	Set At: Feet 7504
Pay Zone: From 7357	To 7498	Total Depth: 7650	Shut In 10-25-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2588	+ 12 = PSIA 2600	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2626
Flowing Pressure: P PSIG 311	+ 12 = PSIA 323	Working Pressure: P _w PSIG 822	+ 12 = PSIA 834
Temperature: T = 79 °F	F _t = .9822	F _p (From Tables) 1.035	Gravity .700
	F _g = .9258		

CHOKE VOLUME = Q = C × P_i × F_t × F_g × F_p

$$Q = (12.365)(323)(.9822)(.9258)(1.035)$$

3759 MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

$$Aof = \left(\frac{6.959,044}{6.263,488} \right)^n = (1.1110)^{.75}(3759) = (1.0821)(3759)$$

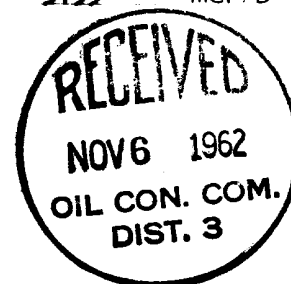
Aof = **4068** MCF/D

TESTED BY D. E. Mortensen

WITNESSED BY _____

Calculated by T. B. Grant

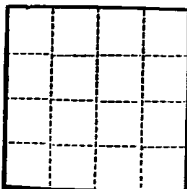
Checked by W. D. Dawson



NOTE: Surged heavy and medium mist for entire test period.



Lewis D. Galloway
Lewis D. Galloway



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079366
Unit Rincon Unit

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 RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING 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>Water Frac.</u>	X

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

November 8, 1962

Well No. 174 is located 990 ft. from [N] line and 1650 ft. from [E] line of sec. 19

SW Section 19 (1/4 Sec. and Sec. No.) 27-N (Twp.) 6-W (Range) N.M.P.M. (Meridian)

Basin Dakota (Field) Rio Arriba (County or Subdivision) New Mexico (State)

The elevation of the derrick floor above sea level is 6602 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)

On 10-23-62, T.D. 7623'. C.O.T.D. 7562'.
Perf 7538-44 (2 SFF); 7486-98 (1 SFF); 7357-63; 7392-98 (2 SFF);
Frac w/69,000 gallons water, 51,000# sand. Flush w/5460 gallons
water. I.R. 36 BPM. Max pr 4100#, BDP 1950#, tr pr 3000-3400#,
3 drops of 6 balls.

RECEIVED
NOV 13 1962

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

RECEIVED
NOV 14 1962
OIL CON. COM.
DIST. 3

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 Company

Address Box 990

Farmington, New Mexico

By ORIGINAL SIGNED H.E. McANALLY

Title Petroleum Engineer

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text suggests that organizations should implement robust systems to track income, expenses, and assets, ensuring that all data is up-to-date and easily accessible.

2. The second section addresses the challenges of data management in a digital age. It notes that while technology offers powerful tools for data collection and analysis, it also introduces risks such as data breaches and loss. The document recommends that organizations should invest in secure storage solutions and regularly back up their data to prevent potential disasters. Additionally, it stresses the importance of training employees on data security protocols to minimize human error.

3. The third part of the document explores the role of data in decision-making. It argues that data-driven insights can significantly improve organizational performance by identifying trends, opportunities, and areas for improvement. However, it also cautions against over-reliance on data, noting that qualitative factors and human judgment are equally important. The text encourages a balanced approach where data informs decisions but does not replace critical thinking.

4. The fourth section discusses the ethical implications of data collection and use. It highlights that organizations have a responsibility to protect the privacy of individuals whose data they collect. This involves obtaining informed consent, being transparent about data practices, and ensuring that data is used only for its intended purpose. The document also touches on the broader societal impact of data, such as the potential for discrimination or surveillance, and calls for ongoing dialogue and regulation to address these concerns.

5. The final part of the document provides a summary of key takeaways and offers practical recommendations for organizations. It reiterates the importance of a holistic approach to data management, one that integrates technical, human, and ethical considerations. The text concludes by encouraging organizations to embrace data as a strategic asset and to continuously adapt their practices as the landscape evolves.

EL PASO NATURAL GAS COMPANY

DEVIATION REPORT

Okal

Name Of Company El Paso Natural Gas Company				Address Box 990, Farmington, New Mexico			
Lease Rincon Unit	Well No 174	Unit Letter N	Section 19	Township 27-N	Range 9-W 6 W		
Pool Basin Dakota				County Rio Arriba, New Mexico			

DEPTH

100'

300'

1000'

1570'

2475'

3150'

4025'

4335'

4710'

5045'

5450'

5910'

6550'

7050'

DEVIATION

1/4°

3/4°

1°

1 1/4°

1 1/4°

1 1/4°

3/4°

3/4°

1°

1/4°

3/4°

1/2°

3/4°

3/4°



Certificate: I, the undersigned, state that I, acting in my capacity as Petroleum Engineer of El Paso Natural Gas Co., am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated therein are true to the best of my knowledge and belief.

H. E. McAnally

subscribed and sworn to before me this 6th day of December, 19 62.

David G. Briscoe
Notary Public in and for San Juan County, New Mexico

My commission expires October 5, 1964.