

TOG OF OF OR GAS LATER

A blank sheet of graph paper with a grid pattern. The grid consists of horizontal and vertical lines forming small squares. There are approximately 20 columns and 15 rows visible. The lines are thin and black on a white background.

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1862. It is a very long letter, and it contains a great deal of information about the state of the country at that time. It is a very important document, and it is one of the most interesting documents in the collection.

Top Kittling Formation	Pictured Cliffs	Lewis Formation	Meanderide	Mancoes	Gallup mbr.	Gassman mbr.	Dakota
482.	1584	1800	2474	4360	5194	6048	6120

GEOTECHNICAL ENGINEERING

Drilled cement out to 3518. Perforated 4-1/2" casing 6197-6212 & 6241-45
w/ 2 crack jets & 2 no-plug jets per foot. Spotted 500 gal. acid & treated
w/ 67,200 gal. treated water (15 GACI & 7 1/2-1000 gal.) & 60,000# 20-40
sand & 40 ball sealers.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or hauling.

HISTORY OF OIL OR GAS WELL

10-48094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM—	TO—	TOTAL FEET	FORMATION
			FORMATION IN CORD HANDLING DATE TOOL USED REMARKS AND OBSERVATIONS

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

(Form C-104)
Revised 7/1/57

Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

4 - OUC
1 - Houston
1 - Midland
1 - Rowan
1 - Fife

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico (Place) 12-20-62 (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Tidewater Oil Co. Federal Dakota Unit 2-W, Well No. 1, in NW 1/4 SW 1/4, (Company or Operator) (Lease)
Unit Letter, Sec. 2, T. 27N, R. 12W, NMPM, Basin Dakota Pool

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

(FOOTAGE)
Tubing, Casing and Cementing Record

Size	Feet	Sax
8-5/8	332	300
4-1/2	6354	1154
2-3/8	6178	

County. Date Spudded 9-21-61 Date Drilling Completed 12-10-62
Elevation 5930 Total Depth 6354 PBTD 6318

Top Oil/Gas Pay 6197 Name of Prod. Form. Dakota

PRODUCING INTERVAL -

Perforations 6197-6212, 6248-459

Open Hole Depth Casing Shoe 6354 Depth Tubing 6178

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Size Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): bbls. oil, bbls water in hrs, min. Size

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: 1,338 MCF/Day; Hours flowed 24

Choke Size 48/64 Method of Testing: Single point back press. test

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 500 gal. acid, 67,000 gal. water & 60,000 sand (20-40)

Casing Tubing Date first new oil run to tanks Test 10-12-62
Press. Press. 105

Oil Transporter McWood Corp.

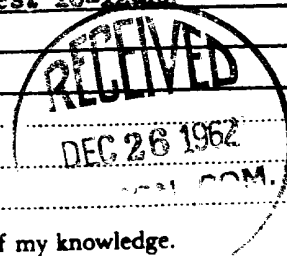
Gas Transporter El Paso Natural Gas Co.

Remarks:

I hereby certify that the information given above is true and complete to the best of my knowledge.
Approved DEC 26 1962, 19. Tidewater Oil Company (Company or Operator)

OIL CONSERVATION COMMISSION
Original Signed By A. R. KENDRICK
By: A. R. KENDRICK
Title: PETROLEUM ENGINEER DIST. NO. 3

Original Signed By C. L. WADE (Signature)
By: C. L. WADE
Title: Area Supt.
Send Communications regarding well to:
Name: C. L. Wade
Address: Box 547, Hobbs, N. Mex.



FEDERAL DAKOTA UNIT 2-W WELL NO. 1

DEVIATIONS

<u>DEPTH</u>	<u>DEG. OFF</u>
95	3/4
245	1/2
376	2
461	1-1/2
510	1-3/4
567	1-1/4
650	1-1/4
853	1
1067	1/2
1342	3/4
1936	3/4
2568	1
2816	3/4
3124	1
3557	3/4
3870	3/4
4180	3/4
4270	1/4
4580	3/4
4770	1
5390	1/2
5629	1-1/4
5997	3/4
6165	3/4
6350	1

The above information is true and complete to the best of my knowledge.

TIDEWATER OIL COMPANY

C. L. Wade
C. L. Wade, Area Supt.

STATE OF NEW MEXICO
COUNTY OF LEA

~~SWORN~~ to before me, the undersigned, on this the 25th day of January, 1963.

Harold E. Wilson Jr. Notary Public
in and for
Lea County,
New Mexico

My Commission Expires December 2, 1963.



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4. The following are the names of the persons who have been appointed to the various committees of the Board of Directors:

1. *Pharmaceutical industry* – The pharmaceutical industry is the largest of the three industries, with sales of \$10.5 billion in 1997. It is the only industry in the sample that has a significant number of firms that are not publicly traded. The industry is characterized by high R&D expenditures, high barriers to entry, and high profit margins.

1. *Chlorophyll a* (Chl *a*)

7-3

...and the ...