DRY LAKE UNIT

Lea County, New Mexico

Order No. R-280, Approving the Dry Lake Unit, Lea County, New Mexico, Dated February 27, 1953

The application of Texas Pacific Coal and Oil Company for approval of a proposed unit agreement for the development and operation of Dry Lake Unit Area consisting of 1280 acres situated in Townships 13 and 14 South, Range 32 East, N.M.P.M., Lea County, New Mexico.

CASE NO. 473 Order No. R-280

ORDER OF THE COMMISSION

BY THE COMMISSION: This matter came on for hearing at Santa Fe, New Mexico, at 9 o'clock a.m., February 17, 1953, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the Commission.

NOW, on this 27th day of February, 1953, the Commission, having before it for consideration the testimony adduced at the hearing of said case and being fully advised in the premises,

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste.

IT IS THEREFORE ORDERED:

That the order herein shall be known as the:

DRY LAKE UNIT AGREEMENT ORDER

- SEC. 1. (a) That the project herein shall be known as the Dry Lake Unit Agreement and shall hereafter be referred to as the "Project."
- (b) That the plan by which the Project shall be operated shall be embraced in the form of a unit agreement for the development and operation of the Dry Lake Unit Area referred to in the Petitioner's petition and filed with said petition, and such plan shall be known as the Dry Lake Unit Agreement Plan.
- SEC. 2. That the Dry Lake Unit Agreement shall be, and hereby is approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval of said agreement shall not be considered as waiving or relinquishing in any manner any rights, duties, or obligations which are now or may hereafter be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said Dry Lake Unit Agreement or relative to the production of oil or gas therefrom.

SEC. 3. (a) That the Unit Area shall be:

NEW MEXICO PRINCIPAL MERIDIAN

Township 13 South, Range 32 East,

Sec. 33: All

Township 14 South, Range 32 East,

Sec. 4: All

Containing 1280 acres, more or less, all of which are state lands.

- (b) The Unit Area may be enlarged or contracted as provided in said Plan.
- SEC. 4. That the Unit Operator shall file with the Commisthe Dry Lake Unit Agreement not later than 30 days after the

sion an executed original or executed counterpart thereof of effective date thereof.

SEC. 5. That any party owning rights in the unitized substances who does not commit such rights to said Unit Agreement before the effective date thereof may thereafter become a party thereto by subscribing to such agreement or counterpart thereof. The unit operator shall file with the Commission within 30 days an original or any such counterpart.

SEC. 6. That this order shall become effective upon approval of the Commissioner of Public Lands of the State of New Mexico and shall terminate ipso facto on the termination of said unit agreement. The last unit operator shall immediately notify the Commission, and the Commissioner of Public Lands, in writing of such termination.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

32-5 UNIT

San Juan and Rio Arriba Counties, New Mexico

Order No. R-283, Approving the 32-5 Unit, San Juan and Rio Arriba Counties, New Mexico, Dated February 27, 1953 The application of Stanolind Oil and Gas Company for the approval of the San Juan 32-5 Unit Area, embracing 25,937.96 acres, more or less, located in Township 31 North, Range 5 West, Township 32 North, Range 5 West, and Township 32 North, Range 6 West, N.M.P.M., San Juan and Rio Arriba Counties, New Mexico.

CASE NO. 491 Order No. R-283

ORDER OF THE COMMISSION

BY THE COMMISSION: This matter having come on for hearing at 9:00 o'clock a.m. on February 24, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the Commission.

NOW, on this 27th day of February, 1953, the Commission, a quorum being present, having before it for consideration the said application and the evidence introduced in support thereof, and being fully advised in the premises:

FINDS: That due public notice as required by law having been given, the Commission has jurisdiction of this cause and the subject matter thereof;

That the proposed unit agreement and plan will in principle tend to promote the conservation of oil and gas and to prevent waste;

IT IS THEREFORE ORDERED:

SEC. 1. That this Order shall be known as the:
"32-5 UNIT AGREEMENT ORDER"

- SEC. 2. That the plan by which the project or unit will be operated shall be embraced in the form of a unit agreement for the development and operation of the 32-5 Unit Area referred to in the petition of the petitioner and filed with the petition. Such plan shall be known as the 32-5 Unit Agreement Plan.
- SEC. 3. The 32-5 Unit Agreement Plan shall be and is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said Unit Agreement this approval shall not be considered as waiving or relinquishing in any manner any rights, duties or obligations which now or may hereafter be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations or exploration and development of any lands committed to the said 32-5 Unit Agreement or relative to the production of oil or gas therefrom.

(32-5 UNIT—Cont'd.)

SEC. 4. The Unit Area shall be:

NEW MEXICO PRINCIPAL MERIDIAN

T-31-N, R-5-W Secs. 1 and 2: All T-32-N, R-5-W Secs. 7 through 36, inclusive: T-32-6, R-6-W Sec. 9: NW/4, E/2 Secs. 10 through 15, inclusive: All Sec. 16: E/2 Sec. 21: E/2 Secs: 22 through 27, inclusive: All Sec. 23: E/2

Total Unit Area embraces 25,937.96 acres, more or less.

SEC. 5. That the unit operator shall file with the Commission an executed original or executed counterpart of the 32-5 Unit Agreement not later than thirty (30) days after the effective date thereof.

SEC. 6. That any party owning rights in the unitized substances who did not commit such rights to said unit agreement before the effective day thereof may thereafter become a party thereto by subscribing to such agreement or counterpart thereof or by ratifying the same. The unit operator shall file with the Commission within thirty (30) days an original of such counterpart or ratification.

SEC. 7. That this Order shall become effective upon the approval thereof by the Commissioner of Public Lands of the State of New Mexico and the Director of the United States Geological Survey, and shall terminate ipso facto on the termination of the said unit agreement. The last unit operator shall immediately notify the Commission in writing of such termination.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

The matter of the application of Stanolind Oil and Gas Company for approval of the San Juan 32-5 Unit Area, embracing 25,937.96 acres, more or less, in Township 31 North, Range 5 West: Township 32 North, Range 5 West: and Township 32 North, Range 6 West, N.M.P.M., San Juan and Rio Arriba Counties, New Mexico.

CASE NO. 491 Order No. R-283 A

NUNC PRO TUNC ORDER OF THE COMMISSION

It appearing to the Commission that the order heretofore entered in the above-mentioned cause is not a correct statement of fact, in that operator's original petition and subsequent advertisement and order described the land encompassed in Township 32 North, Range 6 West, N.M.P.M., of the projected unit as:

Township 32 North, Range 6 West 9: NW/4, E/2; Secs. 10 through 15, incl: all; Sec. 16: E/2; Sec. 21: E/2; Secs. 22 through 27, incl.: all; Sec. 23: E/2

when it should have been shown as:

Township 32 North, Range 6 West 9: NW/4, E/2; Sec. Secs. 10 through 15, incl.: all; Sec. 16: E/2; Sec. 21: E/2; Secs. 22 through 27, incl.: all; Sec. 28/ E/2

and Stanolind Oil and Gas Company having submitted amended

application whereby application was changed to conform with

THEREFORE, IT IS HEREBY ORDERED, that Order R-283, heretofore entered and distributed by this Commission under date of February 27, 1953, be and the same hereby is cor-rected to conform to the actual intent of the operator and of the Commission, and that the final portion of the land description as set forth in Section 4 of the order be corrected to read as follows:

Township 32 North, Range 6 West Sec. 9: NW/4, E/2; Secs. 10 through 15, incl.: all; Sec. 16: E/2; Sec. 21; E/2; Secs. 22 through 27, incl: all; Sec. 28: E/2

And said Order R-283 in all other respects is hereby ratified and conformed.

IT IS FURTHER ORDERED: That this order correcting the record of said order be entered nunc pro tunc as of February 27, 1953, to conform with issuance date of original order.

DONE this 16th day of April, 1953.

THORN UNIT

Otero County, New Mexico

Order No. R-284, Approving the Thorn Unit, Otero County, New Mexico, Dated February 27, 1953 The application of Stanolind Oil and Gas Company for the approval of a unit agreement for the Thorn Unit Area, embracing 5,410.46 acres, more or less, located in Township 21 South, Range 14 East, N.M.P.M., Otero County, New Mexico.

CASE NO. 492 Order No. R-284

ORDER OF THE COMMISSION

BY THE COMMISSION: This matter having come on for hearing at 9:00 o'clock a.m. on February 24, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the Commission.

NOW, on this 27th day of February, 1953, the Commission, a quorum being present, having before it for consideration the said application and the evidence introduced in support thereof, and being fully advised in the premises:

FINDS: That due public notice as required by law having been given, the Commission has jurisdiction of this cause and the subject matter thereof;

That the proposed unit agreement and plan will in principle tend to promote the conservation of oil and gas and to prevent

IT IS THEREFORE ORDERED:

SEC. 1. That this Order shall be known as the: "THORN UNIT AGREEMENT ORDER"

SEC. 2. That the plan by which the project or unit will be operated shall be embraced in the form of a unit agreement for the development and operation of the Thorn Unit Area referred to in the petition of the petitioner and filed with the petition. Such plan shall be known as the Thorn Unit Agreement Plan.

SEC. 3. The Thorn Unit Agreement Plan shall be and is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said Unit Agreement this approval shall not be considered as waiving or relinquishing in any manner any rights, duties or obligations which now or may hereafter be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations or exploration and development of any lands committed to the said Thorn Unit Agreement or relative to the production of oil or gas therefrom.

CMD :
OG5SECT

ONGARD

INQUIRE LAND BY SECTION

07/06/00 10:24:49

OGOMES -TQHV

PAGE NO: 1

Sec : 19 Twp : 32N Rng : 05W Section Type : NORMAL

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PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV PF11	PF12

355. 25

Date: 7/6/2000 Time: 10:45:49 AM

CMD :

ONGARD

07/06/00 10:24:57

OGOMES -TQHV

PAGE NO: 2

OG5SECT INQUIRE LAND BY SECTION

Sec : 19 Twp : 32N Rng : 05W Section Type : NORMAL

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PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV PF11	PF12

Date: 7/6/2000 Time: 10:45:52 AM

CMD :
OG5SECT

ONGARD

07/06/00 10:25:47 OGOMES -TQHV

INQUIRE LAND BY SECTION

PAGE NO: 1

Sec : 18 Twp : 32N Rng : 05W Section Type : NORMAL

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PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV PF11	PF12

Date: 7/6/2000 Time: 10:46:43 AM

CMD : OG5SECT ONGARD

INQUIRE LAND BY SECTION

07/06/00 10:25:51

OGOMES -TQHV

PAGE NO: 2

Sec : 18 Twp : 32N Rng : 05W Section Type : NORMAL

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Date: 7/6/2000 Time: 10:46:46 AM

CMD : ONGARD 07/06/00 10:25:19

OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TOHV

OGRID Idn : 162928 API Well No: 30 39 26427 APD Status(A/C/P): A

Opr Name, Addr: ENERGEN RESOURCES CORPORATION Aprvl/Cncl Date : 06-22-2000

2198 BLOOMFIELD HWY FARMINGTON, NM 87401

Well No: 1 R Prop Idn: 21996 SAN JUAN 32 5 UNIT

U/L Sec Township Range Lot Idn North/South East/West

Surface Locn: 4 19 32N 05W FTG 455 F S FTG 1275 F E

OCD U/L : P API County : 39

Work typ (N/E/D/P/A) : N Well typ (O/G/M/I/S/W/C) : G Cable/Rotary (C/R) : F

Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 6398

State Lease No: Multiple Comp (S/M/C): S

Prpsd Depth : 6192 Prpsd Frmtn : BLANCO MESAVERDE

E0009: Enter data to modify record

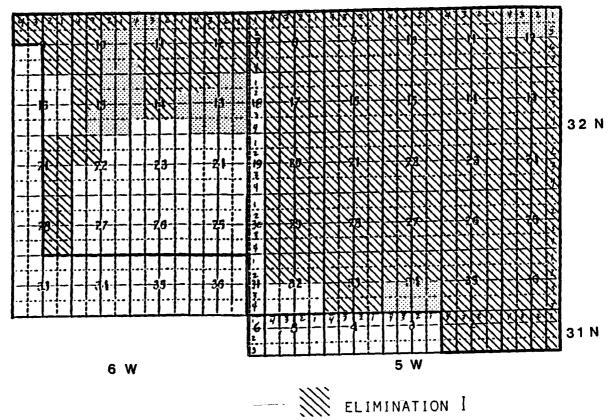
PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM PF07 PF08 PF09 PRINT PF10 C102 PF11 HISTORY PF12

Date: 7/6/2000 Time: 10:46:14 AM

SAN JUAN 32-5

RIO ARRIBA & SAN JUAN COUNTIES NEW MEXICO

No. 14-08-001-534 EFFECTIVE 3-30-53







petroleum engineering and government regulation consultants

UNIT NAME: SAN JUAN 32-5 UNIT AREA

CONTRACT NUMBER: 14-08-001-534

APPROVAL DATE: 3-30-53 EFFECTIVE DATE: 3-30-53

ACREAGE TOTAL: 25,955.42 (20,371.09 FED.; 960.00 STATE;

4,624.33 FEE)

TYPE: EXPLORATORY

UNITIZED FORMATION: ALL

AUTOMATIC ELIMINATION DATE: 7-9-64: NEW ACREAGE: 7,566.70

9-1-77: NEW ACREAGE: 5,180.84

(3,260.84 FED; 640.00 STATE; 1,280.00 FEE)

OPERATOR: EL PASO NATURAL GAS COMPANY

PARTICIPATING AREAS

Name: DAKOTA INITIAL Well Name: #2-26

Location: NE/4 26-32N-6W

Effective Date: 8-22-60

Legal Description: W/2 sec. 25; E/2 sec. 26, T.32N., R.6W.

Acres added: 640.00 Total Acres: 640.00

Name: DAKOTA 1ST REVISION

Well Name: #2-25

Location: NE/4 25-32N-6W

Effective Date: 11-1-60

Legal Description: Lots 1,2 sec. 30, T.32N., R.5W.; E/2 sec.

25, T.32N.,R.6W.

Acres added: 407.81 Total Acres: 1047.81

Name: DAKOTA 2ND REVISION

Well Name: #1-23,1-24

Location: 23,24-32N-6W

Effective Date: 12-1-60

Legal Description: S/2 sec. 23; S/2 sec. 24; NW/4 sec. 26,

T.32N.,R.6W.

Acres added: 800.00 Total Acres: 1847.81

Name: DAKOTA 3RD REVISION

Well Name: #3-26

Location: NW/4 26-32N-6W

Effective Date: 6-1-61

Legal Description: SW/4 sec. 26, T.32N.,.R6W.

Acres added: 160.00 Total Acres: 2007.81

SAN JUAN 32-5 UNIT CONTINUED

Name: DAKOTA 4TH REVISION

Well Name: #2-23

Location: NE/4 23-32N-6W

Effective Date: 7-1-61

Legal Description: S/2S/2 sec. 14; N/2 sec. 23; NW/4 sec.

24, T.32N., R.6W.

Acres added: 640.00 Total Acres: 2647.81

Name: DAKOTA 5TH REVISION

Well Name: #1-27

Location: NE/4 27-32N-6W

Effective Date: 10-1-61

Legal Description: SE/4 sec. 22; ALL sec. 27, T.32N., R.6W.

Acres added: 800.00 Total Acres: 3447.81

Name: DAKOTA 6TH REVISION

Well Name: #1-22

Location: SE/4SE/4 22-32N-6W

Effective Date: 1-1-62

Legal Description: SW/4,NE/4 sec. 22, T.32N.,R.6W.

Acres added: 320.00 Total Acres: 3767.81

NON-COMMERCIAL WELLS:

#1-20 SW/4 20-32N-5W #1-31 NE/4 31-32N-5W

UNIT NAME: SAN JUAN 32-5 UNIT AREA

CONTRACT NUMBER: 14-08-001-534

APPROVAL DATE: 3-30-53 EFFECTIVE DATE: 3-30-53

ACREAGE TOTAL: 25,955.42 (20,371.09 FED.; 960.00 STATE;

4,624.33 FEE)

TYPE: EXPLORATORY

UNITIZED FORMATION: ALL

7-9-64: NEW ACREAGE: 7,566.70 9-1-77: NEW ACREAGE: 5,180.84 AUTOMATIC ELIMINATION DATE:

(3,260.84 FED; 640.00 STATE;

1,280.00 FEE)

OPERATOR: EL PASO NATURAL GAS COMPANY

PARTICIPATING AREAS

Name: FRUITLAND INITIAL

Well Name: #2

Location: SW/4 35-32N-5W

Effective Date: 11-21-53

Legal Description: W/2 sec. 35, T.32N., R.5W.

Acres added: 320.00 Total Acres: 320.00

TERMINATED 7-9-64



UNIT NAME: SAN JUAN 32-5 UNIT AREA

CONTRACT NUMBER: 14-08-001-534

APPROVAL DATE: 3-30-53 EFFECTIVE DATE: 3-30-53

ACREAGE TOTAL: 25,955.42 (20,371.09 FED.; 960.00 STATE;

4,624.33 FEE)

TYPE: EXPLORATORY

UNITIZED FORMATION: ALL

AUTOMATIC ELIMINATION DATE: 7-9-64: NEW ACREAGE: 7,566.70

9-1-77: NEW ACREAGE: 5,180.84

(3,260.84 FED; 640.00 STATE; 1,280.00 FEE)

OPERATOR: EL PASO NATURAL GAS COMPANY

PARTICIPATING AREAS

Name: MESAVERDE INITIAL

Well Name: #4-16

Location: 16-32N-6W Effective Date: 10-29-55

Legal Description: E/2 sec. 16, T.32N., R.6W.

Acres added: 320.00 Total Acres: 320.00

Name: MESAVERDE 1ST REVISION

Well Name: #1-26 Location:

Effective Date: 7-1-59

Legal Description: W/2 sec. 26, T.32N., R.6W.

Acres added: 320.00 Total Acres: 640.00

Name: MESAVERDE 2ND REVISION

Well Name: #1-32

Location: 32-32N-5W Effective Date: 9-1-59

Legal Description: S/2 sec. 32, T.32N., R.5W.

Acres added: 320.00 Total Acres: 960.00

Name: MESAVERDE 3RD REVISION

Well Name: #1-25

Location: 1-32N-6W Effective Date: 6-1-60

Legal Description: W/2 sec. 25; E/2 sec. 26, T.32N.,.R6W.

Acres added: 640.00 Total Acres: 1600.00

SAN JUAN 32-5 UNIT CONTINUED

Name: MESAVERDE 4TH REVISION

Well Name: #1-31

Location: 31-32N-5W Effective Date: 11-1-60

Legal Description: Lots 1-4 sec. 30; Lots 1-4 sec. 31,

T.32N., R.5W.; E/2 sec. 25, T.32N., R.6W.

Acres added: 665.59 Total Acres: 2265.59

Name: MESAVERDE 5TH REVISION

Well Name: #2-23

Location: 23-32N-6W Effective Date: 8-1-61

Legal Description: E/2 sec. 23, T.32N., R.6W.

Acres added: 320.00 Total Acres: 2585.59

Name: MESAVERDE 6TH REVISION

Well Name: #2-24

Location: 24-32N-6W

Effective Date: 2-1-62 Legal Description: ALL sec. 24, T.32N., R.6W.

Acres added: 640.00 Total Acres: 3225.59

Name: MESAVERDE 7TH REVISION

Well Name: #2-27

Location: 27-32N-6W Effective Date: 9-1-62

Legal Description: E/2 sec. 27, T.32N.,R.6W.

Acres added: 320.00 Total Acres: 3545.59

Name: MESAVERDE 8TH REVISION

Well Name: #1-19

Location: 19-32N-5W = Effective Date: 12-1-62

Legal Description: Lots 1-4 sec. 18; Lots 1-4 sec. 19,

T.32N.,R.5W.

Acres added: 355.25 Total Acres: 3900.84

NON-COMMERCIAL WELLS:

#1-20 SW/4 20-32N-5W

Form 3160-5 (November 1983) (Fc-meriy 9-331)

UNITED STATES SUBMIT IN TRIPLICATES DEPARTMENT OF THE INTERIOR (Other instructions verse side)

BUREAU OF LAND MANAGEMENT

Form approved. Budget Bureau No. 1004-0135 Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO. SF_080657

	SUNDRY	NOTICES	AND	REPORTS	ON	WELLS	
Do not 1	use this form f	or proposals to	drill or to	deepen or plug	back to	a different reservoi:	۲.

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

	Use "APPLIC	ATION FOR PERMIT—" for such proposals.)	
ī.	OIL GAS THEE		7. UNIT AGREEMENT NAME San Juan 32-5 Unit
2.	NAME OF OPERATOR El Paso	Natural Gas Company	8. FARM OR LEASE NAME San Juan 32-5 Unit
	ADDRESS OF OPERATOR Post Ofi	Fice Box 4289, Farmington, NM 87499	9. WELL NO.
4.	LOCATION OF WELL (Report location of See also space 17 below.) At surface 1680 'S,	734'E	10. FIRLD AND POOL, OR WILDCAT
		JUN 0 2 1986	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 19, T-32-N, R-05- N.M.P.M.
14.	PERMIT NO.	15. ELEVATIONS (Show whethe BAREA GRORAL AND MANAGEMENT FARMINGTON RESOURCE AREA	12. COUNTY OF PARISH 18. STATE

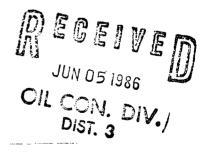
16.

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

nor	ICB O	P INTENTION TO:		8088	BQ 01	ENT REPORT OF:
		1		i r		1
TEST WATER SHUT-OFF		PULL OR ALTER CASING	<u> </u>	WATER SHUT-OFF		REPAIRING WELL
FRACTURE TREAT	_	MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CASING
SHOOT OR ACIDIZE		ABANDON*		SHOOTING OR ACIDIZING		ABANDONMENT*
REPAIR WELL		CHANGE PLANS		(Other)		
(Other)				(Note: Report resu Completion or Reco	ilts iaple	of multiple completion on Well tion 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 sones pertinent to this work.)

The permanent dry hole marker is labeled and in place on this location. This location is ready for final inspection.



18. I hereby certify that the foregoing is true and correct SIGNED	TITLE Drilling Clerk	ACCEPTED FURZER CON
(This space for Federal or State office use)		
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATEJUN 0 3 1986

*See Instructions on Reverse Side .

FARMINGTON RESOURCE AREA FARMINGPON, NEW MEXICO

NMOCC
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

⁷ orm 3160-5 November 1983)		UBMIT IN TRIPLICATE® Other instructions on re-	Expires August 3	1, 1985
(Famerly 9-331) DEPART!	MENT OF THE INTERIOR +	erse side)	5. LEASE DESIGNATION AS	ID SERIAL NO.
	U OF LAND MANAGEMENT	4/F1 1 C	SF 080657 6. IF INDIAN, ALLOTTEE	B TRIBE NAME
SUNDRY NOI (Do not use this form for proportion use "APPLICA")	ICES AND REPORTS ON Valid to drill or to deepen or plug back to attion FOR PERMIT—" for anch proposals.	WELLS a different reservoir.		
OIL GAS XX OTHER			7. UNIT AGREEMENT NAM	_
WELL WELL CA OTHER 2. NAME OF OPERATOR			S. J. 32-5 Un 8. FARM OR LEASE NAME	11t
El Paso Natural Gas Co	ompany		S. J. 32-5 Ur	it_
3. ADDRESS OF OPERATOR	•		9. WELL NO.	
P. O. Box 4289 Farmin		equirements.*	1-X 10. FIELD AND POOL, OR	WILDCAT .
See also space 17 below.) At surface	clearly and in accordance with any State re	EIVED	Blanco MV & F	Basin Dk
1600		T = 3 1984	11. SEC., T., R., M., OR BLI SURVEY OR AREA	
14. PERMIT NO.	15. SEZVATIONS (Show whether ME INC. CE.)	LAND MANAGEMENT	Sec. 19, T32N	
14. PERMIT AU.	6300 GL	SERCENT LANGUE CONTRACTOR	Rio Arriba	NM
16. Charle A.	ppropriate Box To Indicate Nature	of Notice Passet on C		
NOTICE OF INTER	•		JINER DOID	•
اتا	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WE	
		PRACTURE TREATMENT	ALTERING CAS	
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT	· 🗀
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18. I hereby certify that the foregoing	is true and correct		· · · · · · · · · · · · · · · · · · ·	
18. I hereby certify that the foregoing signed Signed Stranger Stranger		ling Clerk	DATE Octobe	r 3, 1984
$\langle V (K) \rangle$	adfuld TITLE Dril			
SIGNED Segan Str	Bcc use)		DATE Octobe	

*See Instructions on Reverse Side

OCT 05 1984

FARMINGTON RESOURCE AREA

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any faise, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

NORTHWEST PIPELINE CORPORATION 295 Chipeta Way P. O. Box 8900 Salt Lake City, Utah 84108-0900

NOTICE OF DISCONNECT	DATE6-13-84
THIS IS TO NOTIFY THE OIL CONSERVATION	DIVISION THAT A DISCONNECT ON
EL PASO NATURAL GAS Operator	San Juan 32–5 Unit #1X Well Name
73586 Meter Code	Site Code Well Unit
19-32N-5W S-T-R	Blanco MV Pool
NORTHWEST PIPELINE CORP. Name of Purchaser	8-13-82 Date
DUE TOWell does not produce	
Y 0396	NORTHWEST PIPELINE CORP. Purchaser
DECEMBED.	Lillian Eaton Le Representative
JUN 1 3 1984 CAL SOLV. DIST. 3	Proration Analyst Title

UNITED STATES

LEASE		 · · · · · · · · · · · · · · · · · · ·
LEASE		
	· · ·	

		NOV 0 2 1983
CONDITIONS OF APPROVAL, IF ANY:	***************************************	ACCEPTED FOR RECORD
APPROVED BY	(This space for Federal or State of	fice use)
SIGNED Mark Manso	TITLE Prod. Engine	eer DATE October 27, 1983
18. I hereby certify that the foregoing is		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Subsurface Safety Valve: Manu. and Typ	e	Set @ Ft.
9	•	
•	•	실무함이 일일 반환활활
, .* ·		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
-	· •	그 그 그 그 말을 잃었다. 그 이 어머니라 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
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Location is	ready for inspection.	
		ing have been completed.
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	•	
FINAL REPORT		
measured and true vertical depths f	or all markers and zones pertiner	nt to this work.)*
including estimated date of starting	g any proposed work. If well is d	e all pertinent details, and give pertinent dates, lirectionally drilled, give subsurface locations and
		DIST. 3
ABANDON*	BUREAU OF LAND FARMINGTON RES	2002 - 100 -
CHANGE ZONES	OCT % 7	1000
PULL OR ALTER CASING MULTIPLE COMPLETE		change on Form \$ 330.)
REPAIR WELL	BRECEI	(NOTE: Report results of multiple completion or zone
FRACTURE TREAT SHOOT OR ACIDIZE	R	DECEIVE N
TEST WATER SHUT-OFF	ğ	
REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:	6300' GL
REPORT, OR OTHER DATA	gen 2	15. ELEVATIONS (SHOW DF, KDB, AND WD)
16. CHECK APPROPRIATE BOX TO IN	DICATE NATURE OF NOTICE,	新杂·3 新 新 新 黄 新 黄 新 黄 新 黄 新 黄 新 黄 新 黄 新 黄 新
AT TOTAL DEPTH:		Rio Arriba NM
AT TOP PROD. INTERVAL:	mg x-02-11g 15-0-11	12. COUNTY OR PARISH 13. STATE.
below.)	E, T-32-N, R-5-W	Sec. 19, T-32-N, R-5-W
4. LOCATION OF WELL (REPORT LOCATION OF WELL (AREA
P. O. Box 4289 Farmingto	on. NM 87499-4289	11. SEC., T., R., M., OR BLK. AND SURVEY OR
El Paso Natural Gas Co. 3. ADDRESS OF OPERATOR		Blanco MV & Basin Dk
2. NAME OF OPERATOR		10. FIELD OR WILDCAT NAME
well well to other		9. WELL NO.
1. oil G gas 53		San Juan 32-5 Unit
(Do not use this form for proposals to drill or t reservoir. Use Form 9–331–C for such proposals	to deepen or plug back to a different (i.)	8. FARM OR LEASE NAME
SUNDRY NOTICES AND R		San Juan 32-5 Unit
		7. UNIT AGREEMENT NAME
GEOLOGICAL S	SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
DEPARTMENT OF T	HE INTÉRIOR	SF 080657
		J. LEASE

FARMINGTON RESOURCE AREA

RECEIV	
Form 9–331	Form Approved. Budget Bureau No. 42-R1424
UNITED STATES FEB 0 7 1985	5. LEASE
DEPARTMENT OF THE INTERIOR	SF 080657
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME,
GEOLOGICAL SURVEY DIST 2	
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME San Juan 32-5 Unit
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
1. oil — gas —	San Juan 32-5 Unit
well gas 🗓 other	9. WELL NO.
2. NAME OF OPERATOR	1-X (MD)
El Paso Natural Gas Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Blanco Mesa Verde, Basin Dakota
P. O. Box 289, Farmington, N.M. 87401	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.)	Section 19, T-32-N, R-5-W
AT SURFACE: 1680'S & 734'E AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE
AT TOTAL DEPTH:	Rio Arriba New Mexico
	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	15 51 511 511 511 511 511 511 511 511 5
ALI ONLY ON OTHER DAM	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6300' GL
TEST WATER SHUT-OFF	Land to the second seco
FRACTURE TREAT	
SHOOT OR ACIDIZE	
PULL OR ALTER CASING T	(NOTE: Report results of multiple completion or zone (CO) change on Form 9–330.)
MULTIPLE COMPLETE	
CHANGE ZONES U. S. GEOLOGIO.	
CHANGE ZONES ABANDON* (other) U. S. GEOLOGICA FASSIMINGTON,	SURVEY 1 12 17 1 17 1 17 1
(other)	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is different measured and true vertical depths for all markers and zones pertinent	irectionally drilled, give subsurface locations and
The following plug and abandonment operation	
POOH w/ 166 jts 1½" tubing and layed down, sp	
(interval 7780'-7874'). Cut 2 3/8" tubing off	above packer @ 7720', spotted a
12 sx cement plug on top of packer and tubing	stub (interval 7780'-7670').
Spotted an sx cement plug across Gallup top	interval (6774'-6874'). POOH w/
2 3/8" tubing & RIH w/ Baker model N-1 bridge 50' cement plug on retainer (interval 5280'-5	plug and set @ 5330' spotted a
ov cement plug on retainer (interval 5280'-5	350'). Perid / 5/8" casing w/
4 squeeze holes @ 3073'. RIH w/ Baker model	
3033' squeeze cemented Pictured Cliffs and Fr	
(interval 2800'-3073') pulled out of retainer plug on top of retainer (interval 2800'-3033'	
jacks and pulled on 7 5/8" casing. Recovered	
casing @ 2300' w/ 4 shots. RIH w/ 2 3/8" tub	
Subsurface Safety Valve: Manu. and Type	Set @Ft.

Approved as to plugging of the well bore. Liability under bond is retained until surface restoration is completed.

*See Instructions on Reverse Side

M. MILLENBACH AREA MANAGER

perforated at 102

A POST OF THE SECOND

ais to perform certain well operations, stions, and, if approved or accepted by the use of this form and the number o issued by, or may be obtained from, th m is designed for submitting proposals to p

Item 4: If there are no applicable State requirements, locations State or Federal office for specific instructions.

include such special information as is required be on any former or present productive zones, or of placement of cement plugs; mud or other not depth to top of any left in the hole; method of c Item 17. Proposals to abandon a well and subsequent reports of abandon and line additional unit and subsequent reports should include above blugs; amount, size, method of parting of any crassing liner or tubing pulled and method of parting of any crassing conditioned for final inspection longing and between casing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled and method of parting of any crassing liner or tubing pulled any crassing liner or tubing liner or tubing pulled any crass

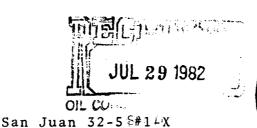
-(Continued) cement plug across Ojo Alamo (interval 2200'-2300'), pulled up to 978 w/ workstring and spotted a 72 sx cement plug across casing stub and covered the 10 3/4" casing shoe (interval 878'-1027') pulled up to 50'w/-10 3/4" casing, cut off well head errected surface marke RD and moved off.

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ortological III. See propiedad.

Butter Baker Colle

Dec. 1973	Form Approved. Budget Bureau No. 42-R1424
011125 011120 1317 1317	S. LEASE
DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY JUL 29 1982	SF 080657
GEOLOGICAL SURVEY JUL 29 1302	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deegen or plug back to a different	San Juan 32-5 Unit
reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas well other	San Juan 32-5 Unit 9. WELL NO.
2. NAME OF OPERATOR	1-X (MD)
3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME Blanco Mesa Verde, Basin Dako
P.O. Box 289 Farmington, N.M. 87401	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.) AT SURFACE: 1680'S, and 734'E	Sec. 19, T-32-N, R-5-W
AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE Rio Arriba New Mexico
AT TOTAL DEPTH:	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	7
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6300' GL
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	0000 02
TEST WATER SHUT-OFF	
FRACTURE TREAT SHOOT OR ACIDIZE	_
REPAIR WELL	note: Report results of multiple completion or zone
PULL OR ALTER CASING JUN 1 8 198	Change on Form 9–330.)
CHANGE ZONES	1.05x
ABANDON* \ \(\bigcirc\) \(\bigcirc\) \(\bigcirc\) \(\bigcirc\)	And the second s
and the second s	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly stat including estimated date of starting any proposed work. If well is d measured and true vertical depths for all markers and zones pertiner	lirectionally drilled, give subsurface locations and
Request approval to plug and abandon the subprocedure:	ject well using the following
 Spot a 23 sx cement plug across Dakota tubing, through the packer yielding a 	perfs by pumping down 2 3/8" cemented interval 7780'-7874'
flush w/ 30 barrels of 9 lb/gal gel.	
2) TOOH w/ 166 joints of 1 1/2" tubing. 3a) Pull out of seal assembly w/ 2 3/8" tu	hing (If tubing won't null see 3
3b) Rig up wireline and run inside of 2 3/	8" tubing with chemical tubing
cutter and shoot off at 7770'.	
4) Pump down tubing w/ 33 barrels 9 lb ge	
Spot an 11 sx plug from 7780' to 7680'	. (9
Flush tubing w/ 30 barrels of 9 lb. ge Subsurface Safety Valve: Manu. and Type	1. (Continued on attached page)
18. I hereby certify that the foregoing is true and correct Production	
SIGNED TILE Engineer	DATE June 7, 1982
APPROVE This space for Federal or State of	fice use)
APPROVED BY TITLE CONDITION OF APPROVING IL ANYIOR?	DATE
0011 70 1002.	
JOY JAMES F. SIMS DISTRICT ENGINEER	\$.
Descriptions on Reverse	Side
W NMOCC	



(Plug and Abandonment Procedure Continued)

- 5) Pull up to 5766' with 2 3/8" tubing, (63 joints out) spot an 18 sack plug across the lower Mesa Verde perf yielding a cemented interval from 5666'-5766'. 39' of this plug is inside the 5 1/2" liner casing.
- 6) Pull up to 5428' with 2 3/8" tubing, (11 joints out) spot a 34 sack plug across the Mesa Verde formation top and perfs, yielding a 153' cemented interval from 5275'-5428'. T.O.O.H. with remaining 2 3/8" work string.
- Will attempt to salvage approximately 3023' of 7 5/8" casing. If successful proceed to next step. If unsuccessful proceed to step (8a).
- 8) T.I.H. with 2 3/8" work string to 3073' and spot a 37 sack plug yielding a 100' cemented interval from 2973'-3073' covering the Pictured Cliffs formation top and the 7 5/8" casing stub. Flush tubing with 12 barrels of 9 lb. gel.
- 9) Pull up to 2900' with 2 3/8" work string, (6 joints out) spot a 45 sack plug across the Fruitland formation top yielding a cemented interval from 2800'-2900'. Flush tubing with 11 barrels 9 lb gel.
- 10) Pull up to 2300' with work string, (19 joints out) spot a 45 sack plug across the Ojo Alamo formation top, interval 2200'-2300'. Flush tubing with 9 barrels of gel.
- 11) Pull up to 1027' (40 joints out) spot a 46 sack plug across the 10 3/4" casing shoe, interval 927'-1027'. Flush tubing with 4 barrels gel.
- 12) Pull up to 50' and spot a 23 sack plug within the 10 3/4" casing to surface. Cut off the 16" and 10 3/4" casings below ground level, erect surface marker rig down and move off.

Perforate 7 5/8" casing @ 3073' with squeeze holes.
T.I.H. with 2 3/8" tubing to 3073', (97 joints). Squeeze cement with 112 sacks cement yielding a plug inside and out of the 7 5/8" casing, interval 2800'-3073', covering the Pictured Cliffs and Fruitland tops. Flush tubing with 12 barrels gel. T.O.O.H. with tubing.

(Plug and Abandonment Procedure Continued)

- 9a) Perforate 7 5/8" casing @ 2300' with squeeze holes.
 T.I.H...with work string to 2300' (73 joints). Squeeze cement with 41 sacks yielding a plug across the Ojo Alamo formation, interval 2300'-2200'. Flush tubing with 9 barrels gel.
 T.O.O.H. with tubing.
- 10a) Perforate 7 5/8" casing @ 1027' and squeeze cement with 50 sacks across the 10 3/4" casing shoe, interval 927'-1027'. Flush tubing with 4 barrels gel. T.O.O.H. with tubing and lay down.
- 11a) Perforate 7 5/8" casing @ 100' circulate a 47 sack cement plug to surface through casing casing annulus.
- 12a) Cut off surface, intermediate, and production casings below ground level. Erect surface marker. Rig down and move off.

Mark Manson

Production Engineer

MSM:te

NO. OF CUPIES REC	5					
DISTRIBUTIO	DISTRIBUTION					
SANTA FE	1	1				
FILE	1					
U.S.G.S.	,					
LAND OFFICE	LAND OFFICE					
TRANSPORTER	OIL	1				
THAILS ON EN	GAS	1				
OPERATOR		1				
PRORATION OF						
Operator						

	SANTA FE /			REQUEST			SSION	_	m C-104 sersedes Old (C-104 and C-116
	FILE /	4			AND		•	Eff	ecline 1-1-62	
	U.S.G.S.	AUTH	IORIZATIO	ON TO TRA	NSPORT (OIL AND H	ATURAL C	AS		•
	LAND OFFICE									
	TRANSPORTER OIL / GAS /	-								
	OPERATOR /	1								
	PROBATION OFFICE	1								
	Operator	- 								
	El Paso Natural Gas	Company								
	Address Address	Company								
	Desc 000 Descripation	M M	.d. α. Ω77	401						
	Reason(s) for filing (Check proper box	riew Rex	crea of	HOT		ther (Please				
	New We!!	•	in Transporte	ar of	۱۳	nner (Frease	explains			
		-	III Hallapolik	ì	[הסיו					
	Recompletion	OII		Dry Go	F-5					
	Change in Ownership	Casingh	ead Gas	Conde	isate []					
	If change of ownership give name and address of previous owner									· · · · · · · · · · · · · · · · · · ·
H.	DESCRIPTION OF WELL AND		· · · · · · · · · · · · · · · · · · ·							
	Lease Name		· ·	, Including F	_	- 1	Kind of Lease		1	Lease No.
	San Juan 32-5 Unit	1-X	11	Blanco Me	esa verde	е	State, Federa	l or Fee	S	f 080657
	Location								4,	
	Unit Letter I ; 160	00 Feet Fi	rom The	South Lin	e and 7	34	Feet From 1	The	.	a s t
	Line of Section 19 Tox	waship 32N		Range	57	W , NMPM,	Rio A	rriba		County
	<u></u>	S.				· · · · · · · · · · · · · · · · · · ·	=			
Ħ.	DESIGNATION OF TRANSPORT	TER OF OH	L AND NA	TURAL GA	s					
	Name of Authorized Transporter of Cil	or or	Condensate			ive address to	which approv	ed copy of th	is form is to	be sent)
	El Paso Natural Gas	Company			Box 990). Farmiı	ngton, No	w Mexic	o 87401	
	Name of Authorized Transporter of Cas		or Dry	Gas X	Address (Gr	ive address to	which approx	ed copy of the	is form is to	be sent)
	Northwest Pipeline	_		سيهو	1					ico 87401
		Unit Se		Rge.		ally connected			New Mex	100 07401
	If well produces oil or liquids,	•			is das actae	arry connected	2 ; , , , , , , , , , , , , , , , , , ,	-41	_	
	give location of tanks.	<u> </u>	.9 321	N ; 5W	<u> </u>		<u>_</u>		<u></u>	
	If this production is commingled with	th that from a	any other lea	ase or pool,	give commin	ngling order	number:			•
V.	COMPLETION DATA			1 - 1: 1: 1	Y	· 			·	
	Designate Type of Completic		Oll Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resty	Diff. Restv.
	Date Spudded	Date Compl.	Ready to Pro	od.	Total Depth			P.B.T.D.		
		1			-					
	Elevations (DF, RKB, RT, CR, etc.)	Name of Pro	ducing Forma	ition	Top Oll/Ga	s Pay		Tubing Der	oth	
	(22, 1110, 117, 011, 616.)		•	•		•				
	Perforations	1			<u> </u>			Depth Casi	na Shoe	
	Patrotorious							Deptil Cust	ng onto	•

NO. OF CUPIES HEC	NO. OF COPIES RECEIVED					
DISTRIBUTE						
SANTA FE	7	-				
FILE	7					
U.S.G.S.	U.S.G.S.					
LAND OFFICE						
TRANSPORTER	OIL	1				
	GAS	7				
OPERATOR						
PRORATION OF	PRORATION OFFICE					
Operator						

l.	DISTRIBUTION SANTA FE FILE U.S.G.S. LAND OFFICE IRANSPORTER GAS OPERATOR PRORATION OFFICE Operator El Paso Natural Gas Address Box 990, Farmington Reason(s) for filing (Check proper box New Well Recompletion Change in Ownership	Company New Mexit	CO 87401	T FOR ALI AND RANSPORT	LOWABL	.E	5	Poim C-104 Supersedes Old C-104 and C-11 Ellective 1-1-65
	If change of ownership give name and address of previous owner	Casinghed	Cond	ensate []				
Ħ.	DESCRIPTION OF WELL AND	LEASE						
	Lease Name San Juan 32-5 Unit	Well No.	Pool Name, Including Blanco 1	Formution Jesa Ver	de	Kind of Lease State, Federal		Legse No. SF 080657
	Location	00	Q 13	······································				
			n The <u>South</u> L		734	Feet From T		<u>East</u>
	Line of Section 19 To	wnship 32N	Range		<u>5W , ик</u>	ирм, Rio Ar	riba	County
II.	DESIGNATION OF TRANSPOR' Name of Authorized Transporter of Oil		AND NATURAL G	AS Address (Give addre	ss to which approv	ed copy of	this form is to be sent)
	El Paso Natural Gas		or Dry Gas X			mington, Ne		co 87401 this form is to be sent)
	Northwest Pipeline	Corporatio	on	501 Ai	rport	Drive, Farm		, New Mexico 87401
	If well produces oil or liquids, give location of tanks.	Unit Sec.	1 1 1	Is gas act	ually conn	ected? Whe	n	,
	If this production is commingled with COMPLETION DATA	th that from any	y other lease or pool	, give comm	ingling of	rder number:		,
•	Designate Type of Completic		II Well Gas Well	New Well	Workov	er Deepen	Plug Bac	k Same Resty. Diff. Resty.
	Date Spudded	Date Compl. R	eady to Prod.	Total Dep	th	<u> </u>	P.B.T.D.	
	Elevations (DF, RKB, RT, GR, etc.)	Name of Produ	cing Formation	Top O!1/G	as Pay		Tubing D	epth
	Perforations	<u></u>		<u>i</u>		· · · · · · · · · · · · · · · · · · ·	Depth Ca	sing Shoe
İ		T	UBING, CASING, AN	D CENENT	ING PEC	OPD		
	HOLE SIZE	T	& TUBING SIZE		DEPTH			SACKS CEMENT
		<u> </u>		 				
V.	TEST DATA AND REQUEST FO	OR ALLOWAR	BLE (Test must be able for this d	after recovery epth or be fo	of total v	colume of load oil a	nd must be	equal to or exceed top allow-
j	Date First New Oil Run To Tanks	Date of Test		Producing	Method (F	low AP 10 and	(ic.)	
	Length of Test	Tubing Pressu	:0	Casing Pr	•86W•	BEPFIAF	Choke Si	4.◆
İ	Actual Prod. During Test	Oil-Bble.		Water - Bbl	· —		Can-MC	
ļ		<u></u>	***************************************	<u> </u>	-+	OIL CON. C	ON /	
ſ	GAS WELL Actual Prod. Test-MCF/D	Length of Test		Bbis. Con	densate/M			f Condensate
	Testing Method (pitot, back pr.)	Tubing Pressur	- (Sunt-In)	Casing Pro	seeme (at		Choke Si	
I.	CERTIFICATE OF COMPLIANCE	CIE			OIL	CONSERVATE G	TION CO	NOISSIMMC
	I hereby certify that the rules and r Commission have been complied w	ith and that t	he information given	-11	VED	0	0	
	above is true and complete to the	beat of my ki	nowledge and belief.	BY	PETRO	LEUM ENGINEE	R DIST	
	n de la companya de l	1		TITLE				NO 2 with RULE 1104.
-	Mora & T	Hessel		If t	his is a r	request for allows	ble for a	newly drilled or deepened tabulation of the deviation
_	DMILING CLERK			tests ta	ken on th	he well in accord of this form mus	iance with t be filled	n RULE 111.
-	FEB 4 1974 (Tie	le)		able on	new and	recompleted wel	ls.	VI for changes of owner, such change of condition.
	(Da	te)						such change of condition. for each pool in multiply

DOIL GAS WELL G WELL WELL WELL WELL WELL WELL WE	JNDRY NOTICES AND AN INCIDENT OF PROPERTY OF PROPERTY OF THE P	THE INTERIO AL SURVEY D REPORTS OF The to deepen or plug backerMIT—" for such properties. C. allas, Texas 7	N WELLS 1/1	7. U	Form appr Budget Bu EASE DESIGNATION SF-080657 FINDIAN, ALLOT INIT AGREEMENT San Juan 3 ARM OR LEASE 3	TEE OR TRIBE N NAME 32-5 Unit
ODO NOT USE OUL GAS WELL G WEI ANAME OF OPERATO La Plata (ADDRESS OF OPER 1700 Merca Location of Well See also space 17 At surface	JNDRY NOTICES AND AN INCIDENT OF PROPERTY OF PROPERTY OF THE P	D REPORTS OF to deepen or plug bac ERMIT—" for such product.	JAN 1 1 197	7. U S 8. F	F INDIAN, ALLOT NIT AGREEMENT San Juan 3	NAME 32-5 Unit
ODO NOT USE OUL GAS WELL G WEI ANAME OF OPERATO La Plata (ADDRESS OF OPER 1700 Merca Location of Well See also space 17 At surface	L K OTHER Bathering System, Inc. Cathering System, I	c. r to deepen or plug bac ERMIT—" for such proj c.	JAN 1 1 197	7. U	NIT AGREEMENT San Juan 3	NAME 32-5 Unit
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4. LOCATION OF WELL See also space 17 At surface	. (Report location clearly and in a below.)	allas, Texas 7		9. w	FELL NO.	
See also space 17 At surface	below.)	accordance with any St	75201	. ,	1-10	· · · · · · · · · · · · · · · · · · ·
		•	ate requirements.	Rla	FIELD AND POOL Sin Dakota Inco Mesa 880., T., B., M., O	Verde
14. PERMIT NO.	32 N, R 5 W Section 19: Lot 3	nd 73/ U of E	Zlima Saa li	• •	ec. 19, T3	LBA
	.,980 N of S Line at	ONS (Show whether DF, R	r, or, etc.)		COUNTY OR PARI	
		6,294	<u> </u>	Ri	o Arriba	N. Me
16.	Check Appropriate B	ox To Indicate Na	ture of Notice, Reys			
	NOTICE OF INTENTION TO:		,	SUBSEQUENT R	EPORT OF:	
TEST WATER SHI	T-OFF PULL OR ALTER	CASING	WATER SHUT-OFF		REPAIRING	O WELL
FRACTURE TREAT	MULTIPLE COM	PI.ETE	FRACTURE TREATME	NT.	ALTERING	CABING
SHOOT OR ACIDIZ	ABANDON*		SHOOTING OR ACIDI	EING	ABANDONI	HENT' K
REPAIR WELL (Other)	CHANGE PLANS		(Other)	rt results of mu	litiple completic	n on Well
See report o	All of the foll n San Juan 32-5 No.	_				
After drilli	ng San Juan 32-5 No.	. 1-19 to 7.19	2' the well bl	ew in on	July 28.	1962 and
was impossib	le to complete it.			· .		
Cement was p	laced in the well as	; follows;				
8/7/62	500 sacks with 7% Ca varying from 300# -	lseal and 1/2 600#.	Floseal/sx. P	umped in	at pressu	res
8/8/62	500 sacks cement wit	h 10% Calseal	. Pumped in s	ame as on	8/7/62.	
8/10/62	1500 sacks with 6% g with 20% Calseal. P	el and 35# co. Cumped in at p	arse gilsonite ressures 700#	/sx cemen - 200#.	t. Follow	ed this
•	Shut-in pressure on with 25 Gilsonite/sx 700#.	wellhead rose 6. & 4% Calsea	to 800 psi. 1	Mixed 500 o well at	sacks 50 pressure	-50 Posmi s 1300#-
	hat the foregoing is true and cor	rrect				<u> </u>
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*See Instructions on Reverse Side

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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.

U.S. GOVERNMENT PRINTING OFFICE: 1839—O-685229 State or Federal office for specific 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

CORRECTED COPY NUMBER OF COPIES RECEIV NÉW MEXICO OIL CONSERVATION COMMISSION FORM C-110 SANTA FE, NEW MEXICO (Rev. 7-60) CERTIFICATE OF COMPLIANCE AND AUTHORIZATION LAND OFFICE TOTRANSPORT OIL AND NATURAL GAS OPERATOR FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE Company or Operator Well No. El Paso Natural Gas Company San Juan 32-5 Unit 1-X Range County Unit Letter Section Township **32N** 5W Rio Arriba Kind of Lease (State, Fed, Fee)
Federal Blanco Mesa Verde Township Unit Letter Section Range If well produces oil or condensate 32N give location of tanks Address (give address to which approved copy of this form is to be sent) Authorized transporter of oil or condensate El Paso Natural Gas Company Box 990, Farmington, New Mexico Is Gas Actually Connected? Yes X No. Address (give address to which approved copy of this form is to be sent) Date Con-Authorized transporter of casing head gas or dry gas X nected El Paso Natural Gas Company 9-9-63 Box 990, Farmington, New Mexico If gas is not being sold, give reasons and also explain its present disposition: REASON(S) FOR FILING (please check proper box) Change in Ownership Change in Transporter (check one) Other (explain below) Change in Operator Casing head gas . Condensate . . Remarks This well was originally drilled & operated by La Plata Gathering System, Inc. as the San Juan 32-5 Unit #1-X-19. Effective 3-1-64, El Paso Natural Gas Company assumed operatorship of this well and will be known as El Paso Natural Gas Company Sa 32-5 Unit #1-X (MD) The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with SEP 1 5 1964 CIL CON. COM Executed this the 10th day of __ September Ву DIST. 3 OIL CONSERVATION COMMISSION Approved by Title Petroleum Engineer Title Company El Paso Natural Gas Company PETROLEUM ENGINEER DIST. NO. 3

Address

Box 990, Farmington, New Mexico

Date

SEP 1 5 1964

Form 9-331 (May 1963)	UNITED STATES EPARTMENT OF THE INT		5. LEASE DESIGNATION AND SERIAL NO.
(Do not use this form	Y NOTICES AND REPORT for proposals to drill or to deepen or per per per per per per per per per pe	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS WELL WELL	OTHER		7. UNIT AGREEMENT NAME. San Juan 32-5 Unit
2. NAME OF OPERATOR			8. FARMLOR LEASE NAME
3. ADDRESS OF OPERATOR	ral Gas Company		Sen Juan 32-5 Unit
	mington, New Mexico		9. WILLE NO. 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	t location clearly and in accordance with	any State requirements.*	10. FIELD AND POOE, OR WILDCAT Blanco My. Basin Dakot
1600'S, 734'	E		11. SEC. T., B., M., OR BLE. AND SURVEY OR ARRA-
14. PERMIT NO.	15. ELEVATIONS (Show wheth	er DF, RT, GR, etc.)	12. COUNTY OR PARISH 13 STATE
	6300'G, 6310 DE	•	Rio Arriba New Mexic
16.			
10.	Check Appropriate Box To Indica		ಜನ್ ಜನ್ ಜ ನ್ ಜನ್ ಜನ್ ಜನ್ ಜನ್ ಜನ್ ಜನ್ ಜನ್ ಜನ್ ಜನ್ ಜ
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TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	AATERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING Change of	Operator & Name
REPAIR WELL (Other)	CHANGE PLANS	(Other) (NOTE: Report res	ults of multiple completion on Well impletion Report and Log form.
as the San J assumed oper 32-5 Unit #1	s originally drilled & of the second	Effective 3-1-64, E1	Paso Natural Cas Company
18. I hereby certify that the SIGNED (This space for Federal of APPROVED BY CONDITIONS OF APPRO	or State office use) TITLE	Petroleum Engineer	DATE 10 10 10 10 10 10 10 10 10 10 10 10 10

CORRECTED COPY NUMBER OF COPIES RECEIVE NEW MEXICO OIL CONSERVATION COMMISSION FORM C-110 SANTA FE, NEW MEXICO (Rev. 7-60) CERTIFICATE OF GOMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS TRANSPORTER OPERATOR FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE Well No. Company or Operator El Paso Natural Gas Company San Juan 32-5 Unit 1-X A. Unit Letter Section Township Range 32-N 19 5-W Rio Arriba Pool Kind of Lease (State, Fed, Fee) Basin Dakota Federal Unit Letter Section Township Range If well produces oil or condensate give location of tanks Address (give address to which approved copy of this form is to be sent) Authorized transporter of oil or condensate K El Paso Natural Gas Company Box 990, Farmington, New Mexico Is Gas Actually Connected? Yes_X _No Address (give address to which approved copy of this form is to be sent) Date Con-Authorized transporter of casing head gas or dry gas nected El Paso Natural Gas Company 9-9-63 Box 990, Farmington, New Mexico If gas is not being sold, give reasons and also explain its present disposition: REASON(S) FOR FILING (please check proper box) New Well Change in Ownership Change in Transporter (check one) Other (explain below) Change in Operator Casing head gas .
Condensate . . Remarks This well was originally drilled & operated by La Plata Gathering System, Inc. as the San Juan 32-5 Unit #1-X-19. Effective 3-1-64, El Paso Natural Gas Company assumed operatorship of this well and will be known as El Paso Natural Gas Company San Juan 32-5 Unit #1-X (MD). The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with. Executed this the 14th _day of. OIL CONSERVATION COMMISSION Approved by DIST. 3 El Paso Natural Gas Company Company Title Box 990, Farmington, New Mexico <u>EUM ENGINEER DIST. NO. 3</u> Date SEP 1 5 1964

OIL CONSERVATION COMMISSION

MAIN OFFICE OCC

BOX 697

120 EAST CHACO

1969 NOV 4 AM 8:51

AZTEC, NEW MEXICO

NOTICE OF GAS CONNECTION

		DATE <u>Septe</u>	mber 11, 1963
THIS IS TO NOTIFY THE OIL	CONSERVATION COM	MISSION THAT CONNECTION	N FOR THE PURCHASE OF GAS FROM
THE	La Plata Gat	hering Systems, Inc.	
IRE		OPERATOR	
San Juan 32-5 Unit #1	L-X-19 (M)	"I" WELL UNIT	19-32-5 s-r-r
Blanco Mesaverde			al Gas Company
WAS MADE ON August 2	29, 1963 ,	FIRST DELIVERY Sep	tember 9, 1963
Choke 2,673 AOF 4,136 INITIAL POTENTIAL			11-8-63
		El Paso Natu	ral Gas Company

Chief Dispatcher

CC: TO OPERATOR Dallas; Neal & Stoabs - Farmington oil conservation commission - Santa FE F. N. WOODRUFF - EL PASO BT DT ADAMS R. L. Weir

FILE

W



-POST OFFICE BOX 728 -EARMINGTON, NEW MEDICO

June 29, 1963.

Unit Division Commissioner of Rublic Lands P. O. Box 791 Santa Fe, New Mexico.

Dear Sir:

Re: San Juan 32-5 Unit Well No. 1-19

Lot 3 - Section 19 - 32-North - 5-West

Rio Arriba County, New Mexico.

Herewith, for your files, is copy of the report submitted to the United States Geological Survey on their Form 9-330 with reference to the captioned well.

It was impossible to complete the well, and it was plugged on August 17, 1962.

Another well was drilled 300 feet south of No. 1-19 - known as I-X-19 - and copy of report on that well was forwarded to you on February 19th.

Copies of these reports are furnished to you, pursuant to request dated April 21, 1961 addressed to the La Plata Gathering System, Inc., 1940 Mercantile Dallas Building, Dallas 1, Texas to furnish a copy to your office as each well is completed.

Very truly you

C. Beeson Neal

Agent in Farmington

La Plata Gathering System, Inc.

Copy: Dallas office.

June 26, 1963.

Mr. P. T. McGrath, District Engineer United States Department of the Interior Geological Survey P. O. Box 959 Farmington, New Mexico.

Dear Mr. McGrath:

Re: Santa Fe 080657
San Juan 32-5 Unit
Well No. 1-19 - Lot 3
Section 19 - 32-N - 5-W
Rio Arriba County, New Mexico.

Basin Dakota & Blanco Mesa Verde Fields

Rerewith, in quintuplicate on form 9-330, is report on the captioned well.

It is my understanding that Mr. Walter Kilgo discussed this well with you and Mr. Emery C. Arnold of the New Mexico Oil Conservation Commission, and it was agreed that this report would be submitted at this time.

Very truly yours

C. Beeson Neal Agent in Farmington

Copy: Mr. J. Glenn Turner - Dallas.

Mr. Walter Kilgo P. O. Box 2078 Farmington, New Mexico.

			X	

U. S. LAND OFFICE Santz Fe 080657 SERIAL NUMBER --LEASE OR PERMIT TO PROSPECT

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LOC	CATE WE	LL CO	RRECTLY		LC	OC	G OF C	OIL OR C	as v	VELI	_
Compa	nw L	aPla	ta Gath	ering	System,	In	C. Address	Box 728 -	Farming	ton, Ne	w Mexico
Lessor	or Traci	Sa	n Juan	32 - 5 U	nit		Field	Box 728 - Basin Dakota Blanco Mersa	v-State	New	Mexico
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		Se	e summa	ry of	additio	hal	cementing	below.			

8/7/62 500 sacks with 7% Calseal and 1/2 Floseal/sx. Rumped in at pressures varying from 300# - 600#. 500 sacks cement with 10% Calseal. Pumped in same as on 8/7/62. 8/8/62 8/10/62 1500 sacks with 6% gel and 35# coarse gilsonite/sx cement. Followed this with 20% Calseal. Rumbed in at pressures 700# - 200#. 8/15/62 Shut-in pressure on wellhead rose to 800 psi. Mixed 500 sacks 50-50 Posmix with 25 Gilsonite/sx & 4% Calseal. Pumped into well at pressures 1300# - 700#. 8/16/62 Drilled out dement plug in interval 375' - 405'. Well came in and flowed. Could not be killed. 8/17/62 Mixed 500 sacks 50-50 Pozmik with 4% CaCl2 and 10% 20-40 free sand. Rumped into well at maximum of 1500 psi. Displaced cement with 32 barrels FEOMwater Cement job done with three 167 sack stages with 30 barrels FORMATION RECORD—Continued H-5-0 petmeen each stage. MARIN

#1X-19

WELL DATA & COMPLETION DETAIL:

Location:

1,680' S, 734' E., Sec. 19, 32 N., 5 West, Rio Arriba County, N. 3

Elevation:

6299.5 GL. 6310.5 XB

8/25/62:

Spudded well 0 8:00 PM 8/24/62

Reaming hole 15" to 20"

8/26/62:

Set conductor pipe 3 105

3 jts 16" 65# H-40 STC. Landed 3 105'. Comented with 135 sacks regular 2% CaCl 2.

Slurry weight: 15.6#/gal.

Circulated approximately 50 sacks good cement.

WOC @ 2:20 PM 8/25/62

8/30/62:

Casing Detail: 32 jts of 10 3/4", 40.5%. J-55 STC casing Ran guide shoe on bottom joint and float collar 30' off bottom.

Landed Depth: 9771.

Coment Detail: 600 sacks regular cement w/4% gel (slurry weight 14.2#/gal). followed by 100 sacks regular cement w/2% CoCl 2 (slurry weight 15.6#/gal.) Displaced cement with 93 BW. Bumped plug with 1500 psi. Float held. Circulated approximately 200 sacks cement. WOC @ 3:45 PM 8/29/62.

9/3/62:

DST #1: Interval: 2260-2370'.

Ran single packer with jars, circulation sub safety joint. Took 30 min ISIP. Opened tool @ 11:55 AM 9/2/62. Took 30 min FSIP Had a very slight blow continuing thru test, but got no gas to surface. Closed tool after one hour. Recovered 750° water with slight sulfur smell 20° drilling mud.

BHT: 105°
IHH: 1005
ISIP: 960 Max
IFF: 70
FFP 335
FSIP: 920 Max
FHH: 990

Depth: 2594'. Prep to run DST #2 in interval 2420-2594'.

WELL DATA & COMPLETION DETAIL:

2 of 6

9/4/62:

DST #2: Interval 2320-2594

Ran same equipment as DST#1. Took 30 min ISIP. Opened tool with good blow. Gas to surface in 2 minutes with volume too small to measure. Flowed well one hour. Took 30 minutes FSIP. Recovered 210 W and GCM.

BHT: 100° IHH: 1135

ISIP: 845 Not Maximum

IFP: 55 FFP: 100

FSIP: 630 Not Maximum

FHH: 1120

Present Depth: 2723'. Mud: 9.4#, 50 sec.

9/6/62:

DST #3: Interval 2890-3040

Took 30 min ISIP. Opened tool with immediately strong blow. Gas to surface in one minute. Flowed well one hour and took following gauges:

3 Min: 750 MCFD
15 Min: 220 MCFD
30 Min: TSTM
60 Min: TSTM

Shut well in for FSIP. Driller picked up on pipe by mistake releasing pecker, and ruining final shut-in test. Circulating sub opened while coming out of hole, so did not get any recovery.

BHT: 120° IHH: 1395

ISIP: 1135 (Not Max)

FHH: 1395 IFP: 205 FFP: 220

FSIP: 585 (8 min)

9/10/62:

Rw for water sample taken on DST#1 2.4 @ 750.

WELL DATA & COMPLETION DETAIL

3 of 6

9/18/62:

Depth 5751' Ran ES-I & GR Density Logs.

Ran 7 5/8" cosing and cemented same.

Casing Detail: 164 jts 7 5/8", 26.404, N 80 LTC casing as follows:

1.00 Guide Shoe

33.37 Shoe Jt.

1.50 Auto-Fill Float Collar

5718.43 163 jts Casing

5754.30 Total String

3.30 Above KB

5751.00 Landed Depth

Tacked welded bottom 3 collars and Bakerlocked pins. Ran 4 centralizers thru MV section.

Comont Detail: 200 sacks 4% gel cement 3 14.2 #/gel. Displaced ement w/274 BW, which is 4 bbls more than calculated displacement. Did not bump plug. Float held. Had complete returns. WOC 3 9:45 AM 9/18/62.

9/27/62:

DST #4 Interval 7070-7172'

Packer failed on first setting, but held second time. Opened tool with weak blow.

Tool open one hour. No gas to surface. Took 30 min SI, Re-covered 620 drilling mud.

IHH: 4170 FHH: 4170 IFP: 220 FFP: 235 FSIP: 235

WELL DATA & COMPLETION DETAILS

10/11/62:

Liner Detail: 72 jts 5 1/2", 17# J-55 casing with guide shoe and float collar. Ren centralizer and scratchers thru Dakota. Ran Burns liner hanger on top of joint.

Total Length of Equipment	23091
Landed Depth	80361
Top of Liner	57271

Liner hanger has lead seal.

Cement Detail 175 sx 4% gel cement with 254 gils/sx 12.7 4/gal slurry weight) and 50 sx cement with 9% Letex (15.24/gal). Displaced cement w96 BW. Float held. Had complete returns. Reversed out 19 xx cement from top of liner and displaced hole with water. WOC @ 4:30 AM 10/11/62.

10/12/62:

Released rig @ 3:00 PM. Will drop from daily report until competion begins.

10/23/62:

Moving in completion unt.

10/25/62:

Completion Unit blew a head gashet before reaching location, and had to shut down for repairs. Should start completion work today.

10/26/62:

RU completion unit. Now going in hole with 6 1/4" bit on EUE tubing to clean out to top of liner.

10/27/62:

PBTD 7950'. CO with 6 1/4" bit to top of liner. Found stringy cement beginning approximately 300' above top of liner.

Tested casing to 4000 psi, and had no leaks.

Ran 4 3/4" bit and cleaned out liner to PBTD of 7950. Top of liner was clean, but found small stringers of cement down thru liner. Drilled 200 of cement in bottom of liner. Now prep to perf and frac.

10/28/62:

WELL DATA & COMPLITION DITAILS:

10/28/62:

四四 79501

<u>Dakota Perfs:</u> 4 jet shots /ft 7794-98' (4'); 7802-08' (6') 7842-74' (32'). Depths from GR density log.

<u>Dakota Frac:</u> 400 HHP 25,000# 40-60 sand followed by 40,000# 20-40 sand. 65,000 gal water w/1% CaCl 2 and 10# J-2/1000 gals.

BDP: 3800

Mex Pressure: 3800

Average Rate: 50 BPM 3300 psi

ISIP: 3200 10 Min SIP: 2900

Set top drillable bridge plug 660201. Tested top of plug to 2000 psi., no leaks.

Mess Verde Perfs: 2 jet shots /ft. 5704'-16'; 5648-54' 5566-96'; 5516-25'; 5476-86'; 5422-50'; 5378-89'. (GR density log)

Mesa Verde Frac: 4000 HHP 80,000 gal water and 80,000 20-40 and.

BDP: 1000

Max Press: 1600

Average Rate: 85 1/2 BPM 3 1100 psi

ISIP: 900 SIP: 500

Drop 110 balls as follows: 50 balls at end of 30,000# sd. Pressure arose from 1000 to 1200 psi. 36 balls at end of 50,000# sd. Pressure went 1400. 30 balls at end of 60,000# sand. Pressure went to 1600# and broke back to 1300#.

10/29/62:

Went in hole to clean out. Found top of sand approximately 5700'. Attempted to circulate sand out with water, but Mesa Verde took fluid and circulation could not be gained. Rigged up gas line to clean up and drill plugs with gas. Now CO sand at depth of 5800'. MV formation is flowing large slugs of water and some gas. Estimated volume of gas: 500 MCFD

10/30/62:

CO to top of bridge plug: 12 hour gauge on MV 600 MCFD 18 hour gauge on MV 1 1/2#

Drilled Dakota plug. Dakota was not pressured up under plug. Dakota water came in and logged off well. Pushed plug to 7910'. Pulled up hole and started blowing well down. 6 hour gauge on MV and Dakota: 850 MCFD

10/31/62:

18 hour gauge:

900 MCFD

24 hour gauge:

960 MCFD

11/1/62:

Gauged well at 1200 MCFD. Water had decreased sharply. Came out of hole with tubing. Now prep to set production

packer and complete well.

11/2/62:

Set Baker Model "D" production packer @ 7780' with wire line.

Ran and landed Dakota and Mesa Verde tubing.

Dakota Tubing Detail: 246 jts., 2 3/8", 4.7#, J-55 KUE tbg and 1 10' pup jt. Ran pump out plug on bottom jt to act as tubing stop. Packer seal assembly has four seal units. A 5' open ended flow tube was run beneath the packer. Hydro tested to 5500 psi and had no leaks.

Mesa Verde Tubing Detail: Ran 166 jts 1 1/2" Jel Con weld "50" tubing. Tubing is open ended with swab stop on bottom joint. Landed depth: 5385'

Now NU wellhead.

11/3/62:

Cleaning up well to atmosphere. Released completion rig.

11/4/62:

Cleaning up to atmosphere. Gauged MV @ 1640 MCFD Dakota flowing intermittent heads of gas and water.

11/5/62:

Cleaning up to atmosphere. MV: 1325 MCFD and apray of water

DAKOTA: Making a steady stream of gas and water. Gas Volume: TSTM

11/6/62:

Cleaning well to atmosphere.

11/7/62:

Gauged MV @ 1000 MCFD

Shut MV in prior to potential test

Gauged Dakota @ 150 MCFD

Still making spray of water. Continuing to clean up to at-

mosphere.

11/29/62:

Potential Test: Q: 2673 MCF/D

(MY)

Aof: 4136 MCF/D

(**11/22/62:

Test flowed well thru 2" line for 3 hours, and gauged gas with pitot tube. MV: 2860 MCFD Dakota: Logged off.)

Location: Elevation:

1980' S., 734 E&W., Sec. 19, 32 N., R 5 W., Rio Arriba, New Mexico

6284 GL

7/6/62:

.

Spudded well 3 12:15 PM 7/5/62. Present depth: 316

Casing Detail: Ran 10 jts 8 5/8", 24#, J-55 casing with Texas
Pattern shoe on bottom joint and 2 centralizers. Landed Depth: 314.

Cement Detail: 200 sacks with 25 CaCl 2 @ 15.2#/gallon. Displaced cement with 18BW. Circulated approximately 40 sx cement. WOC @ 4:20 AM 7/6/62.

7/7/62:

Pressure tested casing with 800 psi for 30 minutes. Found no leaks Drilled out from under surface at 12:10 AM 7/7/62. Now drilling ehead with water at 834.

7/20/62:

Depth 5965!. Sand and shale. Mud: 9.3#, 53 seconds. Ran I-ES, GR and Caliper Logs.

7/25/62:

@ 7120' sand and shale. Mud: 9#, 60 seconds. Well blew out while drilling at 7120', at 7:30 PM 7/24/62.

Mixing mud and pumping into hole. Well is now under control. Now mixing drilling mud.

9:15 AM: Presently trying to kill well.

7/26/62:

(3 7120' Mud: 10#, 48 seconds. Now mixing mud and pumping into hole to kill well.

Well began to kick at depth of 7090. Rig shut down and RU rotating head. Hit drilling break 3 7103, drilled to 7120. Well blew in unloading 9.7# mud from hole. Attempts to kill the well have not been successful. A lost circulation zone developed up the hole, and is complicating the problem. The following amount of mud has been pumped into the well:

360 barrels 9.7# 360 barrels 9.9# 520 barrels 10.0#

Had mud loaded with 10# to 12# /barrel LCM. Most of this mud (approximately 1000 barrels) appears to have been lost into the lost circulation zone.

7/27/62:

Mixed 720 barrels 10.2# mud. Pumped into well. Pertially killed well and gained circulation with 500 barrels. Started raising mud weight. At 10.8#, well died.

Now preparing to drill shead. Losing partial returns.

7/28/62:

Denth 7192'. Started out of hole to change bit, filling hole every 5 stands. Well blew in with 51 stands out. (28 stands still in hole). Now RU bloocy line to try to come rest of the way out of the hole. Pipe rans and stripper rubber not holding. Unable to kill well.

7/29/62:

RU bloomy line and came out of hole with DP. Changed pipe rams and stripper rubber. Went back in hole with DF with well flaring out bloney line. Started hitting bridges @ 500!. HU to drill with gas. Now drilling bridges @ 10001.

7/30/62: Still trying to clean out bridges, but not making any headway. Bit is still at same depth as yesterday morning. The Kelly can be drilled down easily, but as soon as it is picked up, the bridge forms again and has to be drilled again.

: 7/31/62**:**

Trying to clean out with as. Unable to get past bridges.

8/1/62:

Had no success cleaning out with gas. Tried to go in hole with 6 3/4" bit, but had no success with that either. Tried to dry hole using silica gel, but that tended to stick the pipe. Now mixing mud preparing to kill well from surface.

8/3/62:

Well still blowing gas. Finished mixing mud 800 barrels 144/gal. with 8#/barrel LCM. Ran 7 7/8" bit. 7 DC and 2 joints DP. (All pipe in surface casing). Pumped in 3 6 BPM @ 400 psi. Pumping pressure rose to 800 psi at 6 BPM. Pumped 650 barrels mud in 1 hour, 40 minutes. Well had gas at surface after finished pumping. Surface pressure 400 psi. Blew off heads of gas periodically. Pressure never increased above 400 and could not be pulled down below 350. Mixed 850 bbls mud 13.04/gal, 75 sec., 104/bbl. LCM using rig pump and HOWCO.

8/4/62:

Well had 400 psi 3 surface. Started pumping in 3 6 BPM 3 700 psi 6 6:00 PM. Pumped 320 bbls and shut down pump. Pressure equalized @ 300 psi. Flowed well thru choke nipple for 2 hours. Well made dry gas and no mud. Wellhead pressure stayed 3 300 psi. Opened blooey line. Wellhead pressure fell to zero immediately, and mud hit immediately. Indications were that mud had been at the surface during the previous 2 hours of flow, but had not been able to flow thru choke nipple. Closed well in. and pumped remaining mud on location under approximately the same conditions as previously. Total mud in hole: 750 bbls.. cumulative 1400 barrels.

- 8/5/62: Decided it would not be possible to kill well from the surface. Enlarged reserve pit and set standby pump at pit to pump mud into steel pits. Now trying to go to TD with DP by pumping mud thru bit and permitting well to blow mud back into reserve pit. Present depth is 580°. Cleanout is proceeding slowly.
- 8/6/62: Depth 9501. Bit not going any deeper. Bridges at this point can be drilled out, but they fall back in above and are trying to stick the bit.
- 8/7/62: Unable to clean out bridge. Mixed 500 sacks cement with 7% Calseal and 1/2 Floseal/sx. Pumped into well from surface. Pumping pressures varying from 300-600%. Job complete 3 11:30 PM 8/6/62.
- 8/8/62: Left well shut in 14 hours. Closed in surface pressure: 360 psi. Opened well to atmosphere. Well flowed gas, mud and cement in heads. Cement had not set up. Probably reason is that gas is flowing up from a deep zone, through the cement, and out into a shallow zone, keeping the cement gas cut and agitated so that it cannot set up.

Mixed up another 500 sx cement with 10% Calseal and pumped into well under same conditions described before. Shut well in after job 3 12:30 AM 8/8/62.

- 8/9/62: After 10 hours SI time, observed that gns and mud was breaking through the surface approximately 500 feet from the wellhead.

 After 12 hours observed cnother break-through of gas in rat hole. Now WO HOWCO to run large batch of cement.
- 8/10/62: Mixed 1500 sacks cement with 6% gol and 35% course gilsonite/
 sack cement. Slurry weight: 10.7%/gal. Followed this with
 216 sacks cement with 20% Calseal. Pumped into well at pressures ranging from 700%-200% pressure. Pressure at end of job
 was 300%. Job complete 6 6:00 PM 8/9/62. Now WOC will WOC
 48 hours prior to opening well for test.
- 8/12/62; Opened well at end of 48 hours. Wellhead pressure: 370 psi. Cement had not shut off gas entirely, but volume was diminished. Went in hole with bit. Started drilling through cement bridges at 340. Drilled to 550. Well blew in as strong as it had in the past. Could not make any more headway with bit.
- 8/13/62: Decided to try to work casing in hole. Ran saw-toothed Texas pattern shoe, on bottom joint with two float collars. Worked Casing to 550°, but could not go beyond that point.
- 8/14/62: Gas volume seemed to be diminishing. Mixed 800 bbls mud with LCM and pumped into well. Could not kill well or gain circulation.
- 8/15/62: Observed that leaks out of ground reported on 8/9/62 had stopped. SI pressure on wellhead rose to 800 psi. Evidence is that zones at surface have been sealed off. Mixed 500 sx

50/50 Pozmix with 25# Gilsonite /sx and 4% Calseal and pumped into well. Pressure varied from 1300# - 700#. Job complete at 6:00 PM. Left well shut in.

8/16/62:

After 12 hour SI period, opened well and found it was dead. Went in hole with bit and drilled out cement plug in interval 375'-405' Well then came in and flowed with same characteristics as before.

Mixed 500 barrels mud with LCM and pumped into well. Pressure rose to 1100 psi in well, but the well was not killed, nor was normal circulation attained. Shut well in & SI pressure on well was 1100 psi.

8/17/62;

Mixed 500 sacks 50-50 Pozmix with 4% CaCl 2 and 10% 20-40 frac sand. Pumped into well at maximum of 1500 psi. Displaced cement with 32 BW. Job complete at 6:30 PM 8/16/62.

After 12 hour SI period, found that well was send. Went into hole and tagged top of cement plug at 340'.

Cement job done in 3 167 ex stages with 30 bbls water between each stage.

8/18/62:

Ė

Gained permission from Government agencies to abandon well.

Moved off location leaving a 2" valve looking up on wellhead.

Vill move 300' due south and drill new well. Well designation will be 1X-19. Will drop from daily reports until new location is built and well is spudded.

8/23/62: Gas Analysis From 1-19 Well:

CO 2	.70
H2S	Nil
N2	.67
Meth.	98.23
Eth	.14
Prop	Tra ce
GPM	Zero

MUMBER OF COPIE	IV ALCEI		/_/
011	TRIBUTI	ON	
SANTA FE		2	
FILE		1	
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	GAS	7	
PRORATION OFFI	E	1	
OPERATOR			

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

(Rev. 7-60)

TRANSPORTER OIL GAS PRORATION OFFICE	CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS								
	FILE THE ORIGINA	L AND 4 COPI			FICE				
Company or Operator La Plata Gathering Syst	em, Inc.			Lease San Juan 32-5 I	Unit	Well No. 1-X-19			
Unit Letter Section To 19 32	County Rio Arriba								
Pool Basin Dakota]	Kind of Lease (State, I Federal - SF (
If well produces oil or condensa give location of tanks	Unit L	etter	Section	Township	Range				
Authorized transporter of oil or conder	nsate	Ad	dress (give add	lress to which approved	copy of this form is	to be sent)			
	Is Gas Actually	Connected?	Yes	No X					
Authorized transporter of casing head gas	OLULY BOS IN I	ate Con- Add	dress (give add	ress to which approved	copy of this form is	to be sent)			
El Paso Natural Gas	Company No.	t Yet	Box 990 ·	- Farmington, 1	New Mexico.				
	nnection to wel	1 not yet			,				
Change in Transp	orter (check one) Dry Gas as. Condensate.	· 🗆	hange in Owner		MAYO				
Remarks Well now shut	in awaiting pip	pe line con	nnection.		DIST. 3	63 PM.			
The undersigned certifies that the Rul	es and Regulations of s thelst day of			ission have been com	iplied with.				
OIL CONSERVATION		By							
Approved by	A J	Ti	ite //	sew //or	1				
Title Collection	intol			son Neal, Agen	t in Farming	ton			
Supervisor Die # 5				ata Gathering	System, Inc.				
Date		Ad	P.O.B	ox 728 - Farmi	ngton, New M				
MAY 2 1963									

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

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

New Well

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.

	•		Farmington, New Mexico May 1, 1963
ME ADE I	JEDEDV D	EO! !EST!	(Place) (Date)
		-	NG AN ALLOWABLE FOR A WELL KNOWN AS: em, Inc. San Juan 32-5 Univell No. 1-x-19 in Lot 3.1/4 //
(Ce	mpany of Ot	erator)	(Lesse)
I .	Sec	19	, T. 32-N , R 5-W , NMPM, Basin Dakota Po
			County. Date Spudded Aug. 24, 1962 Date Drilling Completed Nov. 2, 1962
	se indicate		Elevation 6,310 Total Depth 8,040 PBTD 7,950
		T.	Top Oil/Gas Pay 7,794 Name of Prod. Form. Basin Dakota
D	C B	A	PRODUCING INTERVAL -
			Perforations 7.79 4 - 7.874 Depth
E	F G	H	Open Hole Depth Depth Tubing 7,780
	. <u> </u>		OIL WELL TEST -
L	KJ	I	Choke Natural Prod. Test: bbls.oil, bbls water in hrs. min. Size
		x	Test After Acid or Fracture Treatment (after recovery of volume of oil aqual to volume of
M	N O	P	Choke load oil used):bbls.oil,bbls water inhrs,min. Size
			CAS WELL TEST
			
Tubing Car	ing and Cam	enting Record	. Macdal Floor lest. Mory Day; Hours flowedChoke-312e
Size	Feet	Sax	Method of Testing (pitot, back pressure, etc.): Test After Acid or Fracture Treatment: 102 MCF/Day; Hours flowed 3
	Τ		Choke Size • 75 Method of Testing: Pitot Tube
16"	105	135	Choke Size 1/2 Method of lesting:
10-3/4		700 200	Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and
7-5/8"	P, (31	_ 200	sand): 25,000# 40-60sd. # 40,000# 20-40 sd. # 65,000 gal. water
5 - 1/2	B , 036	175	Casing Tubing 2347 Date first new oil run to tanks
2-3/8	7,780	Tubing	Oil Transporter KYXKHKXNHKHWHXXKHKKKKHKHHWXXXXXKK
		L	Gas Transporter El Paso Natural Gas Company will be
Remarks:	Well.sb	ut.in.aw	raiting pipe line connection
		***************************************	Cit 2 1963
	• • • • • • • • • • • • • • • • • • • •		1 200
			rmation given above is true and complete to the best of my knowledge.
Approved	MAY219	63	,19 La Plata Gathering System, Date (Company or Operator)
Ο	I. GONŠEI	RVATION	COMMISSION By: John John John John John John John John
رق مر		3/	(Signature)
By:	ally,	Le cen	Title C. Beeson Neal, Agent in Farmington
Title Supa	ervisor Duck	# 8	Send Communications regarding well to:
	·····	• 65 • • • • • • • • • • • • • • • • • •	Name
	•		Address Box 728 - Farmington, New Mexico

(1	Feb. 1	981)	

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Offic	<u>S</u> s	anta J	<u>re</u>
Lease No.	08	30657	
Ilmie	San	Juan	32-5

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		1
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		1
NOTICE OF INTENTION TO PULL OR ALTER CASING		
(INDICATE ABOVE BY CHECK	K MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)	
	May 1, 1963	, 19
La Plata Gathering System, Inc.	- San Juan 32-5 Unit	
Well No. 1-X-19 is located 1,680 ft.	from $\{S\}$ line and $\frac{734}{1}$ ft. from $\{S\}$ line of sec.	19
ot 3 - Section 19 32-North (4 Sec. and Sec. No.) (Twp.)	h 5-West N.M.P.M.	ال الحا
	(Range) (Meridian) D E G O Arriba County New Mexico	<u>E</u>
(Field) (C	Country of Educations) (Estate of Territory)	-
The elevation of the derrick floor above se	sea level is 6,310 ft.	Ý ·
ומ	DETAILS OF WORK II. 3. CEO	Locion
(State names of and expected depths to objective sands; sling points, as	show sizes, weights, and lengths of proposed casings; indicate mudding jound all other important proposed work)	s, cemei
	ation - 7794'-7874' through .750 choke sho	
	signed by Terris D. Colleron of M. Pose Not	
. No. 700Dl for Non-critical flow taken as 102 MCF/D. Well blew	ow rate determined from Thornhill-Craver of the work o	.ow,
Company bears the notation: Flog. No. 700DL for Non-critical flow taken as 102 MCF/D. Well been been hour test, the flow was surgin	ow rate determined from Thornhill-Craver of the withrough a positive flow bean. Surging for the fairly dry gas for two hours. At end of any and producing heads of water, such that impossible. MAY 3 1963 WOOD IN WRITING by the Geological Survey before operations may be common to the control of the contro	onced.
Company bears the notation: Flog. No. 700DL for Non-critical flow taken as 102 MCF/D. Well been see hour test, the flow was surgingurate volume measurements were improved the contract of the	ow rate determined from Thornhill-Craver of the withrough a positive flow bean. Surging for fairly dry gas for two hours. At end of mg and producing heads of water, such that mpossible. MAY3 1963 WOULD COME COME.	onced.
Company bears the notation: Flog. No. 700DL for Non-critical flow taken as 102 MCF/D. Well been see hour test, the flow was surgingurate volume measurements were improved the second se	ow rate determined from Thornhill-Craver of the withrough a positive flow bean. Surging for fairly dry gas for two hours. At end of mg and producing heads of water, such that mpossible. MAY3 1963 WOULD COME COME.	oncept.

MUMBER OF COPI	TRIBUT			
SANTA FE		-		
FILE		├	/ -	
U.S G.:		├		
LAND LFFICE		╆~		
	OIL	 		
TRANSPORTER	GAS	,		
PRORATION DEFI	E	/-		
OPERATOR	—			

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

FORM/C-110 (Rev. 7-60)

TRANSPORTER PROPATION OFFICE	OIL GAS	/		CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS										
OPERATOR		/			FILE THE OF	IGINAL	AND 4 C	OPIES	VITH TH	IE APPR	OPRIATI	E OFFICE		
Company or O	perato		Plata	Ga	thering Sy		Inc.			Lease		32-5 Uni	t	Well No. 1-X-19
Unit Letter I Section Township Range County 72-North 5-West Rio Arriba														
Pool Blanco Mesa Verde Kind of Lease (State, Fed, Fee) Federal - SF 080657														
If well produces oil or condensate give location of tanks Unit Letter Section Township Range														
Authorized transporter of oil or condensate Address (give address to which approved copy of this form is to be sent)									s to be sent)					
					Is Gas Ac	tually C	onnecte	d? Ye	s	No_X				
Authorized tra	nspor	ter of cas	sing head	gas	or dry gas [Z Date	Con-	Address	(give ad	dress to t	which appr	oved copy of	this form i	s to be sent)
El Pas	o Na	atural	Gas (Com	pany	ł	t yet	В	ox 990), Far	mingto	n, New N	Mexico	
If gas is not b	eing s	sold, give	e reasons	and a	also explain its p	resent dis	position:	•					/	
P	ipe	line	connec	eti	on to well	not y	et com	mplete	d.					
	_				REASOI	N(S) FOR	FILING	(please	check p	roper bo	x)			
REASON(S) FOR FILING (please check proper box) Show Well														
Remarks			shut i	in	awaiting n	ine li	ne con	mecti	on.					
Well now shut in awaiting pipe line connection.														
The undersig	gned	c erti fi e s	that the	Rul	es and Regulat	ions of th	ne Oil Co	nservati	on Comm	nission	have been	complied v	vith.	
			Executed	thi	s the 19th	_day of _	Febru	ıary		<u>(, 19)</u>	<u>63</u> ,	1 /	/	
		OIL CO	NSERVA	TIOI	COMMISSION			Ву	170	// o	\mathcal{M}	ne /		
Approved by	F.		Ka	سرس م جر	Anin	1		Title	C. 1	Beeson	; Neal	, Agent	in Far	mington
Title PET	RO!	_EUM	ENGIN	r.i.	R DIST NO	. 2		Compar		lata (atheri	ng Syst	em, Inc	•
Date			<u></u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·			Addres						
FEB 2	2 0 1	963							P. 0	. Box	728 -	Farming	ton, Ne	w Mexico

Form 9-380

FOLD | MARK

			X	

Budget Bureau No. 42-R356.4. Approval expires 12-31-66.

U. S. Land Office J30657
Serial Number

U. S. CECLOCICAL SURFRY

LEASE OR PERMIT TO PROSPECT

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CO	DRRECTLY					
Company La Fla	ta Cathering	System, In	C. Addres	Box 728 -	'arsingto	n, Hew Mexico
Lessor or Tract	San Juan 32-	Unit	Field -	Blanco Mesa V	erdState	dev dexico
Well No. 1-X-19	Sec. 19 T. 32	R . 5-4 Mer	idian A.A.	P.M. Cou	inty Rio A	rriba
Location 1,630ft.	N. of S Lin	e and T34 ft.	w of E	Line of Secti	on 19	Elevation 6,310
	n given herewit	n is a comple available rec	te and correc	<i>-</i> 1		vork done thereon
Date Pebruar	y 19 , 1963		~	TitleC.Be	eson Real	, Agent in Parsing
The summary	on this page is f	or the condition	on of the well	at above date.		
Commenced drilling		. 96 2, 19	Finish	ed drilling	lov. 2	
		OIL OR GA	S SANDS (C) Denote gas by G)			
No. 1, from7,79	3 to	(a) oro, t	No. 4	, from	to	ing production in the second s
No. 2, from 5.37	ጥ }- to	5,715.(a)	No. 5	, from	to	
No. 3, from	to		No. 6	from	to &	
	•	IMPORTA	NT WATER	SANDS		₹ (0)
No. 1, from	to		No. 3	from	to	1963 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
No. 2, from	to		No. 4	, from	to	o On
<u> </u>		CAS	ING RECO	RD		
Size Weight T	hreads per Mai	e Amount	Kind of shoe	Cut and pulled from	Perforate From-	To— Purpose
Citizen Childs or br	diges were put iff to	tes for Water, s	ate kind of ma	heen dynamited gi nerial used, position,		
"illoria trasses at the	elimerk and its 148 Libe well, give ita	za and location.	If the well ha	Please state in det made in the casing heen dynamited.	state fully a	nd if any dashis was consistion, and number.
7-7/8 25.40	TTC Tabortance to have					
5-1/2 17#	J.	27 - 12 1300 C	- CONTRES -	AS WELL	391210 ". s. e	ON A WHEN PRINTING OFFICE
1=1/2 3	SUS Jan 2013	50 5 385				Mass Verde Pr
,	MU	DDING ANI	CEMENT	ING RECORD		
Size Where set	Number sacks	of cement	Method used	Mud gravity	Amot	int of mud used
16 105	135					
10-1/4 917	730					
7-5/13 5,751	200					
	1		AND ADA			
Heaving plug-Ma	terial		Length		nebru set	*********

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

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

REQUEST FOR **OPE* - (GAS) ALLOWABLE

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.

				Farmington, New Mexico February 19, 1963 (Place) (Date)
WE AR	E HER	EBY RE	OUESTIN	IG AN ALLOWABLE FOR A WELL KNOWN AS:
			•	m, IncS.J. 32-5 Unit Well No. 1-X-19 in Lot 3 1/4
	Compar	N OF ORE	rator)	(Lesse)
	I	, Sec	19	T 32-N , R 5-W , NMPM, Blanco Mesa Verde Pool
Unit	io Ar			
• · · · · · • · • • • • • • • • • • • •	•••••••			County. Date Spudded Aug. 24,1962 Date Drilling Completed Nov. 2, 1962 Elevation 6,310 Total Depth 8,040 PBTD 7,950
P	lease in	dicate lo	cation:	_
D	C	В	T A	Top Oil/Gas Pay 5,378 Name of Prod. Form. Mesa Verde
] [PRODUCING INTERVAL -
		<u> </u>		Perforations 5,378-5,716
E	F	G.	H	Open Hole Depth Casing Shoe 8,036 Tubing 5,385
1 1		1	1 1	OIL WELL TEST -
L	K	J	Ī	Choke
			X	Natural Prod. Test: bbls.oil, bbls water in hr Size
1	27	ļ.,		Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of
M	N	0	P	load oil used): bbls.oil, bbls water in hrs, min. 2 ze
		<u> </u>		GAS WELL TEST -
				Natural Prod. Test: MCF/Day; Hours flowed Cheese Size
Tubing .	Casing	and Cemer	ting Record	
Size	•	Feet	SAR	Test After Acid or Fracture Treatment: 4,136 MCF/Day; House 13
16"		105	135	
10-	4.1	977	700	Choke Size .75 Method of Testing: Pitot Tube
7-	5/8	5,751	200	Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and
		8,036	175	80,000 gal. water - 80,000# 20-40 sand.
1-1	./2	5,385	Tubing	Casing Tubing Date first new Press. 1257 Press. 1257 oil run to tanks
-				
				Gas Transporter El Paso Natural Gas Company will be
Poment		Well	shut in	awaiting pipe line connection.
Kemarks	S :		5	Day of the Control of
	••••••	•••••••		FE820 1963
	*******		••••••	1963
		-		mation given above is true and complete to the best of my knowledge.
Approve	d FEB	2.0.19	63	, 19 La Flata Gathering Matem. Inc. (Company of Operator)
				1 St Or Man &
	OIL C	ONSER	VATION	COMMISSION By: (Signature)
_	//	, J	150	C. Reeson Neal. Agent in Farmington
Ву:	64.	6L.c	i flet	Send Communications regarding well to:
Title	TROL	EUM E	NZINEER	Name. C. Beeson Neal
~		,		P. O. Box 728 - Farmington, New Mexico
				Address

For (I	nn 9- Feb. 1	• 831 a 951)	
į			
			X

Saute Fe

080657 (SUBMIT IN TRIPLICATE)

Sta Juan 32 UNITED STATES
DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form A	pproved			
Land Offic	Sant	a I	e	
Lease No.	0806	57		
	_	•	1.	 4

Budget Bureau No. 42-R358.4.

- 10 - 4 g - 10 gg - 2016 ggcla 는 1월(동화 Hy 2H) Hy 2H (15 2017) 한1 Verling (15 2 SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL XXXXXX	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	SUBSPOUENT 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	SURSPOLIENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	
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	NOTICE OF IN							
	NOTICE OF IN	TENTION TO ABANDO	N WELL		13.55 A	e e e e e e e e e e e e e e e e e e e		5 mg
		1.71 #81 <u>1</u> 823	<u> </u>	<u> </u>	والمستهار محمدات المستهال	Lidhar afairth		
	•	(iNDIC	ATE ABOVE BY CHEC	K MARK NATURE OF R	EPORT, NOTICE, OF	OTHER DATA)		1117
	The same	ى مىسىد	ian e sitti ila e	-62:11:02 : had	<u>. 60 - 60 - 60 - 60 - 60 - 60 - 60 - 60 </u>	Anna Anna 1920	n en	
							24-4-264 - 1224 - 1224 - 1225 	19
A 44	LA PIRTS	Gernering 3	Ascent me.	- Ban Juan		17T (C) - Tares 1	i estatet ibr	ກ່ອນທີ່
1	Well No. 1	-X-19 is loca	ted 1.600 ft.	from & line	and 734	ft. from	line of sec.	19
				from S line	ekilogramma often	(XXX)X	a verricos	inger Instant
47.	Total Walk	Section 19	32-NOX	th - 5-West	M.M.	P.M.	TALL/COMP	The second second
	(1/4 Sec.	and Sec. No.)	(Twp.)	(Range)	(Meric	lian)	- FOR IE	en w T
Con	Blanco N	. V. W Bindin	Dakota R	lo Arribe Co	muty	Nev Mex	Go ! Unit	2 N N
	• 1	(Field)	· · · · · · · · · · · · · · · · · · ·	County or Bubdivision)	0.08 % Ac	(State or T	erritory)	ិយោ ខ្នុំ ង ្គ
<u> </u>	The eleveri	on of the derric	k floor above e	sea level is 623	310 ft		UEU.	196.
	The elevation	on or the derric	K HOOF ADOVE S	z mogratorenasis	10.		LIL-U	ا المراجعة المراجعة المراجعة ال
		right in the second of the se	5 : 40 : D	ETAILS OF V	VORK	Administration of the contract of	ent bahia	MONT SU
	/Ganan	The state of the s					II S. GEOLG	Timesar 1
	(and expected deprins	to objective sands; a	show sizes, weights, as	nd lengths of prop		- AVE 12 17 1 W	,
	essing interest with loved by I	Ran guids al 1 600 secks 1 10 secks rej 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	irililing to Régular come gilar coment fili- hanced	show sizes, weights, and all other important and all other important important in joint and ant with 1/5 (as it is a plug with 1	fleat coll gel (slurr) 112 (Sluff) 1500 psi.	r 10=3/4", ler 30° off vt. 14.2#, vt. 15.6# Float held	bottom. /gal) gal). Circula	r yy or imolog
Brc Cem Pol Dis	desing interest with loved by 1 placed companies.	Ram guide si 1600 secks rep 1600 secks rep 1600 secks rep 1600 secks	irling to de an botto regular cement giler cement Bir Bunged sement. On	m joint and ment with What with 24 Cac l plug with 3 8/31/62 test	float coll gel (slurr) 112 (Sluff) 1500 psi. bed casing	lar 30 off vt. 15.6# Float held with 1000	bottom. /gal) gal). Circulation for	rzz w imig ste
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Pro Pol Dis 30	part 10, 1, market 10, 1, market 10, 1, market 10, 1, market 11, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Ram guide si 1600 secks rep 1600 secks rep 1600 secks rep 1600 secks	iciling to regular come giler coment five bumped sement. On prilled diff	m joint and ment with What with 24 Cac l plug with 3 8/31/62 test	float coll gel (slurr) 112 (Sluff) 1500 psi. bed casing	lar 30 off vt. 15.6# Float held with 1000	bottom. /gal) gal). Circulation for	rzz w imilig ste
870 Cem 1016 1016 300 300 809 274	inted with lowed by landed confidenced confidenced confidenced confidenced confidenced lander	Ran guide al 600 sacks re- 600 sac	relizing to regular come giler coment five Bamped sement. On relied diff sure. casing, is (Conti	m joint and ant with 4% a with 2% Car i plug with 1 8/31/62 test 2 ft. below to 5751', reanded at 5,7' immed on separate	float coll gal (slurry 12 (Sluff) 1500 psi. bed casing casing sho an 7+5/8" (51° RKB. (er 30° off vt. 15.6# Float held with 1000 pe and pres pasing - 16 cemented with	bottom. [gal] gal] Circula pai for sured up 7 joints th	rzz w ierze ke
876 Cem Pol 1016 300 300 809 274	inted with loved by lighted constant of the shoet land of the shoe	Ban guide at 1600 sacks repaired with 93 sacks repaired by 1600 sack	id the botto regular cement filler cement filler cement fement. On reflied dut- sure. resing, la (Conti-	m joint and ant with which with 25 Carl plug with 3 8/31/62 test 2 ft. below to 5751, reanded at 5,77 imied on separoval in writing by the proval of the pro	float coll gal (slurry 12 (Sluff) 1500 psi. bed casing casing sho an 7+5/8" (51° RKB. (er 30° off vt. 15.6# Float held with 1000 pe and pres pasing - 16 cemented with	bottom. [gal] gal] Circula pai for sured up 7 joints th	roo Valendar I te
870 Cem 1016 1016 300 300 809 274	inted with loved by lighted constant of the shoet land of the shoe	Ran guide al 600 sacks re- 600 sac	id the botto regular cement filler cement filler cement fement. On reflied dut- sure. resing, la (Conti-	m joint and ant with which with 25 Carl plug with 3 8/31/62 test 2 ft. below to 5751, reanded at 5,77 imied on separoval in writing by the proval of the pro	float coll gal (slurry 12 (Sluff) 1500 psi. bed casing casing sho an 7+5/8" (51° RKB. (er 30° off vt. 15.6# Float held with 1000 pe and pres pasing - 16 cemented with	bottom. [gal] gal] Circula pai for sured up 7 joints th	777 <u> </u>
876 Cem Pol 1016 300 300 809 274	past 10, 11, 10, 11, 10, 10, 10, 10, 10, 10,	Ban guide at 1600 sacks repaired with 93 sacks repaired by 1600 sack	id the botto regular cement filler cement filler cement fement. On reflied dut- sure. resing, la (Conti-	m joint and ant with which with 25 Carl plug with 3 8/31/62 test 2 ft. below to 5751, reanded at 5,77 imied on separoval in writing by the proval of the pro	float coll gal (slurry 12 (Sluff) 1500 psi. bed casing casing sho an 7-5/8" (51' RKB. (ex 30° off vt. 14.2# vt. 15.6# Float held with 1000 ; se and pres- casing - 16' comented with	bottom. [gal] gal] Circula pai for sured up 7 joints th	roo Valendar I te
876 Cem Pol 1016 300 300 809 274	past 10, 11, 10, 11, 10, 10, 10, 10, 10, 10,	Ban guids at 600 sacks repaired with 93 sacks repaired by 180 sack	regular come pilar come pilar coment five banged lement. On refilied diff sure. (Conti- re must receive app lathering Sy	m joint and ant with which with 25 Care 1 plug with 1 8/31/62 test 2 ft. below to 5751, reanded at 5,7% inned on separoval in writing by the yetem, Inc.	float coll gal (slurry 12 (Sluff) 1500 psi. bed casing casing sho an 7-5/8" (51' RKB. (ex 30° off vt. 14.2# vt. 15.6# Float held with 1000 ; se and pres- casing - 16' comented with	bottom. [gal] gal] Circula pai for sured up 7 joints th	roo Valendar I te
876 Cem Pol 1016 300 300 809 274	pai. She tamber 18 tamber	Ban guids at 600 sacks repaired with 93 sacks repaired by 180 sack	regular come gular come gular come gular come gular comen femont. On reflied dut sure. (Conting casing, is (Conting the must receive app lathering Sy	m joint and ant with 1/5 (act is plug with 1/62 test 2 ft. below to 5751', reanded at 5,7' imied on separoval in writing by the yetem, Inc.	float coll gal (slurry 12 (Sluff) 1500 psi. bed casing casing sho an 7+5/8" (51' RKB. (er 30° off vt. 15.6# Float held with 1000 pe and pres pasing - 16 cemented with	bottom. [gal] gal] Gircula pai for sured up 7 joints th	te dth

CONTINUATION SHEET - to be attached to USGS Form 9-33la - dated December 2, 1962.

Santa Fe 080657 Santa Fe 080657 La Plata Gathering System, Inc. - San Juan 32-5 Unit Well No. 1-X-19 Lot 3 - Section 19 - 32-N - 5-W - NMPM Blanco Mesa Verde and Basin Dakota Fields.

Burget Burgar No. 25-525 a. f

A trianggA entrick

September 20, 1962. Pressured up 7-5/8" casing with 1500# for 30 min. Held OK. Continued drilling with rotary rig.

October 11, 1962. After drilling to 8040 RKB, ran and cemented liner: Used 72 joints 5-1/2", 17# J-55 casing with guide shoe and float collar - landed at 8036'. Top of liner at 5727'. Commented with 175 sacks 4% gel with 25# gils/ax (12.7#/gal slurry weight) and 50 sacks cement with % Letex (15.2#/gal). Displaced cement with 96 EW. Float held. Reversed out 19 sacks cement from top of liner and displaced hole with water. The law vontraminates the second of the secon

October 27, 1962. Tested casing to 4000 psi. No leaks. Cleaned out liner to PBTD of 7950'. Perforated Dakota: 4 shots/ft: 7794*-98* (4'): 7602'-08' (6'): 7842'-74' (32').

Fractured Dakota: 25,000# 40-60 sand followed by 40,000# 20-40 sand, 65,000 gal. water with 1% CaCl 2 and 10# J+2/1000 gals. BDP: 3800#; Avg. gate 50 BPM; 3300 psi.

Set top drillable bridge plug at 6020'. Tested top of plug to 2000 psi. No leaks.

Mesa Verde perforations: 2 jet shots/ft. 5704'-16'; 5648'-54'; 5566'-96', 5516'-25'; 5476'-86'; 5422'-50'; 5378'-89'.

Fractured Mesa Verde: 80,000 gal. water and 80,000# 20-40 sond. BDP 1000#. Avg. rate 852 BFM @ 1100 psi. Dropped 110 balls: 50 at end of 30,000 sand, 30 at end of 50,000#, 30 at end of 60,000#.

The circumstance with the circumstance of the continue of the circumstance of the circ November 2, 1962. Set Baker Model "D" Production packer @ 7780' with wire line. Ran and landed tubing: Dakota: 246 joints, 2-3/8", 4.7#, J-55 EUE tubing and one 10' pup joint. Hydra tested tubing to 5500 psi. and had no leaks. Mesa Verde: Ran

A company of the second of the

esterment 13, 3 m \sim 1960 ellips of FIGU $_{\rm C}$ value $^{-2}$ 3 m $_{\rm C}$ 10 m $_{\rm C}$ 10 m $_{\rm C}$ 10 m $_{\rm C}$ 10 m $_{\rm C}$ 10 m $_{\rm C}$

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

	DUAL COMPLETION		DATE November	er 29, 1962
Operator	III WARRINGA I WARRING IN THE RESIDENCE AND A STOLEN OF MEET A CONTRACTOR	Lease		
La Plata Gath	hering System	·	SJU 32-5 No.	1X-19 (MV)
Location		County		State
1680'S. 734'F	E. Sec. 19-32-5		Rio Arriba	New Mexico
Formation	The reference is a second of the second of t	Pool		
Mesa Verde			Blanco	
Casing: Diameter	Set At: Feet	Tubing: Die	ameter	Set At: Feet
7.625	5751		1.900	5385
Pay Zone: From	To •	Total Depti	1;	Shut In
5378	5716		PBTD 7950	11-21-62
Stimulation Method	THE CONTRACT OF A CONTRACT OF	Flow Throu	igh Casing	Flow Through Tubing

Choke Size, Inches	Chake Constant	r: C			
75	1	2.365	Baker Model "D" Pa	cker at 7780	
Shut-In Pressure, Casing,	PSIG - 12 PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG - 12 PSIA	
1257 (MV)	1269		1257 (MV)	1269)
Flowing Pressure: P	PSIG + 12 PSIA		Working Pressure; Pw 1	PSIG + 12 " PSIA	
202	2	Ц			
Temperature:	n		Fpv (From Tables)	Gravity	
T 67 (F F+	•9933	75	1.017	.600	F9 1,0000

Initial SIPT (DK) 1405 psig SIPT (DK) 1130 psig

Sand Water Frac.

CHOKE VOLUME Q C x P, x F, x Fg x Fpv

Q (12.365)(214)(.9933)(1.0000)(1.017)

2673 MCF D

OPEN FLOW Asf Q
$$\begin{pmatrix} & & & \\ & & P_c^2 & \\ & & P_c^2 & P_{\star}^2 \end{pmatrix}$$

Aof =
$$\left(\begin{array}{c} 1.610,361\\ 899,712 \end{array}\right)^n$$
 (1.7898). 76 (2673) = (1.5472)(2673) =

NOTE:

Tested through 1 1/2" tubi at request of operator

4136 MCF D Aof

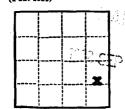
TESTED BY _____ Tom B. Grant (EPNG)

WITHESSED BY Oliver Towell (La Plata)

Lewis D. Galloway

Land Office State Fe

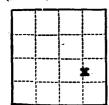
Lenso No. 080657 Unit San Juan 32-5



OFFICE OCC UNITED STATES DEPARTMENT OF THE INTERIOR

CLINDDY NOTICES AND DEPORTS ON WELLS

SUIDKI NOTICES AND	O REI ORIS 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 OF REPAIR PERMIT
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	AUG 30 1962
(INDICATE ABOVE BY CHECK MARK NATU	JRE OF REPORT, NOTICE, OR OTHER DATA) U. S. GEOLOGICAL SURVEY
	FALMINGTON, NEW INELLOS
	August 29 , 1952
La Plata Gathering System, Inc San	
Well No. 1-X-19 is located 1.680 ft. from	line and 134 ft. from $\frac{E}{m}$ line of sec. 19
	(M)
Lot 3 - Section 19 32-Horth • 5-1 (4 Sec. and Sec. No.) (Twp.) (Range	iest H.M.P.M.
	ge) (Meridian)
Blanco M. V. & Basin Dakota Rio Arril (Field) (County or Sub	ba County Heri Herico division) (State or Territory)
(4,144,)	(4.5.5.4. C.1.5.4.)
The elevation of the derrick floor above sea level i	s 6,310 . ft.
	• **
DETAILS	OF WORK
State names of and expected depths to objective sands; show sizes, we	sights, and lengths of proposed casings; indicate mudding jobs, cement- important proposed work)
August 24, 1962 - Spudded well at 8:00	
	5# H-kO, SRC pipe, - landed at 105 feet.
Cemented with 135 sacks regular,	
Circulated approximately 50 sack August 27, 1962 - Pressured up on cast	
Worder Si' These Liesemen of or coan	of to holy for in minnes - sessen or in
Continued drilling with rotary rig.	The second secon
Address of the same of the sam	
	AUG3 0 10ca
	011 002
	CON COM
I understand that this plan of work must receive approval in writi	ng by the Geological Survey before operations may be commenced.
a sa Washa Andhamalan Amalan Sa	
Company La Plata Gathering System, Do	Go.
Address TO O There (TOO)	
Address P. O. Box 728	los out has
Warmington Hose Hood on	Jy XXVIII OUT
Farmington, New Merico	C. Beeson Neel, Agent in Farmington
	Title
:	1 1010



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form App		44°R338.4.
Land Office	Santa	?e
Loase No	08065	
Unit San	Juan	32-5

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	

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

	Augu	st 21, 1962	, 19
Well NoK-19 is located	1,680 ft. from S dine and 1	init	of sec. 19
Lot 3 - Section 19 (% Sec. and Sec. No.) Blanco Mesa Verde & Basin (Field)	32-North - 5-Mast R. (Twp.)	(Meridian)	ECEIVET
Blanco Mesa Verde & Basin (Field)	Bakota Rio Arriba Countie (County or Subdivision)	Ber Nerrica (State or Territo	<u>IL</u> "AUG 21 1962
The elevation of the derrick for	or above sea level is 6.30 ft.		AUG 21 1302

DETAILS OF WORK

U. S. GECLOGICAL SURVEY (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)

This location is 300 feet due south of the 1-19 location which was "lost". It is proposed: "o drill 20" hole to approximately 100' and set 16" casing at that point. Cement casing to surface. Then to drill 15" hole to approximately 800' and set 10-3/4" casing at that point. Cement easing to surface.

Then: drill 9-5/8" hole to approximately 3500'. Bun DST's in Ojo Alemo, Fruitland, Pictured Cliffs, and any other formations of interest. 7-5/8" casing

will be set at approximately 3500', cemented with 150 sacks cement.

Then: drill with gas in 6-3/4" hole to total depth in Dakota - approximately 8100'. If well warrants a completion attempt, set 5-1/2" liner at total depth, cementing off Dakota formation, and any other formations of interest, using two stage cement job if required.

Then: Pefforate and sand water fracture gones of interest. If Dakota and Mesa Verde both productive, 2-1/16" tubing will be used for Dakota and 1-1/2" for M. V.

I understand that this plan of work must receive approval in writing by	the Geological Survey before operations may be published and
Company La Rlata Gathering System, Inc.	/ailly lu
Address Box 728 - Farmington, New Mexico	See Seatt G22 1962
Ci Ci I Ci I Ci Ci Ci I Ci Ci I Ci	Title C. Beeson Real, Agent) Silver Regrengton
their 15L	GPO 914974

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.	BAR JULE Date Date
TA DIAMA CHINEDING OVERTW	
Operator IA PLATA GATHERING SISTEM Le Well No. 1X-19 Unit Letter I Section 19	
Located 1680 Feet From the SOUTH Line, 734	Township 32 NORTH Range 5 WEST. NMPM Reet From the RAST & WEST Lines
County RIO ARRIBA G. L. Elevation 6299.5	and the second of the second o
Name of Producing Formation House Wards & Dekota	Pool Manuel L.V Incidente
1. Is the Operator the only owner in the dedicated acreage outlin	
YesNo	
2. If the answer to question one is "no", have the interests	of all the owners been consolidated by communitization
agreement or otherwise? Yes No No If a	answer is "yes", Type of Consolidation.
· · · · · · · · · · · · · · · · · · ·	and the street have been a second to be a street the fixed because
3. If the answer to question two is "no", list all the owners as	nd their respective interests below:
<u>Owner</u>	Land Description
HOME: All of the across shows on the plat bale	on to "delicated" to this tall a se set
forth in application for approval of non-standar	
of this wall inputed in the Menco Mes. Yumbe and	The state of the s
forwarded to the New Mexico Oil Conservation Com	Contract of Local St. 1984.
是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	
Section B. Note: All State	ances must be from outer boundaries of section.
The said the said that the sai	[1460.50' All of Section 18
This is to certify that the information	templitation of the
n Section A above is true and complete	lot 1 morth of this method,
to the best of my knowledge and bestef.	N 44.5 AG. sontaining LYFAL
A HAZA GAZHRATEG ETHIZER. Inc.	Report to Libertan
(/// /) pay(//) (51'+\/[])	N Continuous and the
19 Sellive	lot 2
(Representative)	44.52 Ac. 65 35-65 4846
Hosson Heal, Agent in Paratageon AUG 2 2 1962	faction 18 to mining
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A COLONIA DE LA COLONIA DE	Scale 4 inches equal 1 mile
The state of the s	THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR
This is to certify that the abov	e plat was prepared from field notes of actual surveys

Farmington, New Mexico

made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 17 August 19621

Registered Professional Engineer and/or Land Surveyor
James P. Leeser New Mexico Reg. No. 1463
San Juan Engineering Company