WEST OIL & GAS CORPORATION FOR A DUAL COMPLETION, LEA COUNTY.

CASE Mo.
5071

Application,

Transcripts,

Small E & hibts

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dearnley, meier & associates
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October 3, 1973
                         EXAMINER HEARING
    IN THE MATTER OF:
    Application of Texas West Oil)
    & Gas Corporation for a dual )
                                            Case No. 5071
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    completion, Lea County,
    New Mexico.
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                 RICHARD L. STAMETS,
    BEFORE:
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                 Examiner.
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                       TRANSCRIPT OF HEARING
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BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
CONFERENCE ROOM, STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO

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MR. STAMETS: The hearing will come to order, please. We will call next case 5071.

MR. DERRYBERRY: Case 5071, Application of Texas West Oil & Gas Corporation for a dual completion, Lea County, New Mexico.

MR. EATON: Paul Eaton of the firm of Hinkle, Bondurant, Cox & Eaton, representing the applicant. We have one witness, Mr. Roy Valla.

MR. STAMETS: Are there any other appearances The witness will stand and be sworn. in this case?

### ROY YALLA,

was called as a witness, and after being duly sworn, testified as follows:

### DIRECT EXAMINATION

### BY MR. EATON:

- State your name, by whom you are employed and in what capacity.
- My name is Roy K. Valla. I'm employed by Texas West Oil & Gas Corporation. I am a petroleum engineer.
- Mr. Valla, are you familiar with the application in this case?
- Yes, I am. 23
- Have you previously testified before this Commission 24 25 as a petroleum engineer?

24

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well.

Yes, I have. A MR. EATON: Are his qualifications acceptable? 2 MR. STAMETS: They are. 3 What does Texas West seek by their application? Q This application seeks approval of a dual completion 5 of our State "2" Well No. 2 located in Unit K of 6 Section 2, Township 24 South, Range 34 East, Antelope 7 Ridge Field Area, Lea County, New Mexico, to produce 9 gas from the Atoka and Morrow formations through 9 parallel strings of tubing. Mr. Valla, have you prepared or have you supervised the preparation of some exhibits which are attached together in one brochure as Applicant's Exhibit 1? Yes, I have. Turning to your brochure, the first sheet represents the application; does it not? That is correct. Is there anything with respect to the application which you would like to bring out? No. This is simply a form C-107 New Mexico Oil Conservation Commission Application for Multiple Completion shutting out the producing limits of both Atoka and Morrow gas zones here. Also it has a list of all offset operators to this specific

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¥	Now, turning to the next sheet, Mr. Valla, would
	you please state what is portrayed there?
Ą	This is a plat of the annual

This is a plat of the area, the Antelope Ridge Field Area, showing our State "2" Well No. 2 in Section 2 outlined in red with a No. 2 well, the dual Atoka and Morrow Well, with offset operators plus other wells in the Antelope Ridge Field Area with two dual completions that are indicated by red circles or red dots in this case.

These dual completions have been effected from the Devonian and Morrow by Shell Oil Company. All right. Now, Mr. Valla, would you please give us a history of the State "2" Well No. 2 and in doing so make reference to the next sheet in your brochure? This is the New Mexico Oil Conservation Commission Form C-105 which is the Well Completion Report and Log. It indicates that the well was commenced in April of 1973, completed in August of 1973.

The drilling of this well encountered two productive intervals, that being the Atoka which was completed in an interval from 12,407 feet to 12,480 feet, and the Morrow producing interval from 13,260 feet to 13,699 feet.

This also shows the tubing record which indicates there are two strings of two and seven-eighths tubing

# dearnley, meier & associates

209 SIMMS BLDG P.O. BOX 1092 - PHONE 243-6691 - ALBUQUERQUE, NEW MEXICO 87103	1216 FIRST NATIONAL BANK BLDG. EAST . ALBCQUERQUE, NEW MEXICO 87108

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1		set in this well.
2	Ω	All right. Referring to the next Exhibit, Mr. Valla
3	A	This is a plat of Section 2 showing the offset operators
4		to this Section.
5	Q	Did you send notices to the offset operators?
6	A	Yes, we did. We sent a copy of our application for
7		dual completion to the four offset operators on
8		August 27, 1973.
9	Q	Are the letters and their acknowledgments evident in
10		the brochure?
11	A	Yes, they are. Waivers and approvals of this dual
12		completion from Shell Oil Company, Aztec Oil & Gas
13		Company, Penroc Oil Corporation, and Kewanee Oil Company.
14	Q	All right. What acreage will be dedicated to the well?
15	A	The Atoka formation will have the south 320 acres as
16		acreage dedication. The Morrow formation will have also
17		the south 320 acres dedicated to it.
18	Q	And the dedication plats are reflected in the brochure?
19	A	Yes, they are.
20	Q	All right. Now, referring to the next sheet in the
21		brochure, would you please testify with respect to
22		that sheet?
23	A	This is a sketch of the multiple completion installation.
24		If you refer to Number B which is a dual completion,

this indicates that the top packer is set at 12,250 feet

# dearnley, meier & associates

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SYMMS BEDG. P.O. BOX 1082 PHONE 243-6691\* ALBUQUERQUE. NEW MEXICO 87103 1216 F193T NATIONAL BANK BLDG. EAST-ALBUQUERQUE, NEW MEXICO 87108 above the Atoka formation which was perforated from 12,407 to 12,480 feet.

The lower single packer is set at 13,170 feet above the Morrow formation completion which is from 13,260 feet to 13,699 feet.

Do you have further information with respect to the packer settings?

Yes. The next two forms are Packer Setting Reports for both of these packers, the first here being the top packer which is a Baker, Model A-5, Dual Hydrostatic Packer which is set at 12,250 feet. This packer was set on August 10, 1973, and I have testified to this setting.

The next is a packer setting report on the lower packer which is a Baker, Model A-2 Loc-Set Packer set at 13,170 feet. This packer was set on August 1,1973, and I have testified to this on this report.

Have you made a packer leakage test on this well?

Yes, we have. The next form is the New Mexico Oil

Conservation Commission Southeast New Mexico Packer

Leakage Test. I believe it is fairly self-evident.

There are two charts following this which were taken while we were flowing one zone and the other zone was shut-in. It is fairly self-evident that there was no communication between the zones.

1	Q	Had the Commission been notified of the test before
2		it was made?
3	A	Yes, they had.
4	Ω	And in your opinion, will the packers effectively
5		prevent communication between the two formations?
6	A	Yes, they will.
7	Ω	Have you four-pointed this well?
8	A	Yes. The next two forms are the New Mexico Oil
9		Conservation Commission Form C-122 which are Multipoint
10		Back Pressure Tests for gas wells. The first indicates
11		that the Atoka formation, the absolute open flow is
12		4.030 million cubic feet of gas per day.
13		The next is the potential test for the Morrow
14		formation which the open flow there is 4.153 million
15		cubic feet of gas per day.
16	Q	Has the metering or testing equipment been installed
17		to determine reservoir pressures, amount of production
18		and so forth?
19	A	Yes. There is surface equipment sufficient to meter
20		both liquid and gas production from both zones.
21	Q	I meant to ask you, Mr. Valla, whether prior to the
22		actual completion of the well you made pressure tests
23		of the casing to determine the absence of casing leaks.
24	A	Yes. These were all before the plugs were drilled,

were tested in accordance with the New Mexico Oil

		Conservation 6
		Conservation Commission Rules.
		In your opinion, can the gas from the
		and the gas from the Morrow formation be faithfully and efficiently produced through the two parallel
		or cubing?
ates	6	ies, they can.
as.sociates	7	your opinion, will the granting of the
<b>୦</b> ୪	9	be in the interest of conservation and the prevention of waste?
dearnley, meier	10	A That is correct.
ley, n	11	Were these sheets in Exhibit 1 prepared by you or under your supervise.
learn	12	1 - 42 adpervision?
Z K K	3	A That is correct.
ERQUE, NEW	15	MR. EATON: We offer Exhibit 1 into evidence, Mr. Examiner.
^ BUGU 000 BR 00 BR	16   17	MR. STAMETS: Without objection, Applicant's
E 243-66910	18	o will be so admitted.
•PHONE 2 BLOG. EA	19	MR. EATON: We have no further direct testimony.
1092 ANK	20	************  CROSS-EXAMINATION
P.O. BOX	21	BY MR. STAMETS:
u ž	22 Q	Mr. Valla, I notice that the gas-oil ratio or gas-liquid
209 SIMMS BLC 1216 FIRST	23	Zone is quite low
	25 A	situation that you have in the first Atoka well there?  The gas-liquid ratio here

# dearnley, meier & associates

VEW MEXICO 8710	MEXICO 8710E
209 SIMMS BLCG P.O. BOX 1092 - PHONE 241-6691 - A.BUQUERQUE, NEW MEXICO 87103	1216 FIRST NATIONAL BANK BLDG. EAST•ALBUQUERQUE, NEW MEXICO 87108

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		PAGE 10
1	Q	On the Completion Log, it shows I believe 9500.
2	A	Yes. It is quite low. This is a very prolific
3		condensate producer. Of course, the Morrow is
4		considerably drier but we the Atoka made production
5		of 72 and a half barrels of condensate during a
6		test which I believe was of about an eight-hour duration.
7		It was for an eight-hour duration.
8	Ω	And No. 1 Atoka well in the North half of Section 2,
9		what's its gas-liquid ratio?
10	A	It is approximately the same. It's not quite as
11		prolific as this, Mr. Examiner. These are limestone
12		reefs in the Atoka formation, and we do have evidence
13		that the producing zones in the No. 1 and No. 2 are
14		not exactly the same. However, they are both in the
15	-	Atoka reservoir.
16	Ω	These liquids are liquids in the reservoir? I assume
17		they are all liquids in the reservoir.
18	Ą	That is correct.
19	Q	Do you anticipate any problem in restricted rates
20		production in the Atoka causing a lower rate of
21		recovery in the liquids?
22	A	No, sir. I don't.
23	Q	If the Commission Staff would, or if the Examiner would
24		like to have additional information concerning this
		·

particular problem, would Texas West have any objections

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to furnishing that at a later date?

2 A No. No, we would not. Mr. Examiner

No. No, we would not. Mr. Examiner, before we do leave this, I would like to, excuse me. Go ahead, Mr. Eaton.

MR. EATON: There was one final sheet in the Exhibit, Mr. Examiner, which Mr. Valla has not testified to.

### \*\*\*\*\*

## REDIRECT EXAMINATION

### BY MR. EATON:

Would you please state what that sheet represents?

This is a form filed by El Paso Natural Gas Company
who is the gas purchaser from Section 2, the wells
in Section 2, noting the date on which the Atoka
formation went on production from our State "2" No. 2.

Also, we would like, Texas West would like to request emergency approval of this application so that we can commence production from the Morrow reservoir in this well.

After the packer leakage test form, there are copies of two meter charts. Are these copies of the actual charts that were on the meter when the packer leakage test was being taken?

A That is correct.

And they do seem to show stabilization of the Atoka zone

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while the Morrow was being flowed and a very stable pressure on the Morrow while the Atoka was being flowed?

That is correct.

MR. STAMETS: Are there any other questions of this witness? He may be excused. Anything further in this case? We will take the case under advisement. \*\*\*\*\*

### REPORTER'S CERTIFICATE

I, JANET RUSSELL, a Court Reporter, in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings to the best of my knowledge, skill and ability.

	2	INDE	<b>X</b>	
	3 WITNESS		_	
	4 RC	Y VALLA		
		xamination by	Mr. Eaton	<u>Page</u> 3
		amination by 1		9
	1	Examination 1		11
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10		ЕХНІВ	ITS	
11	Applicant's		Offered	Admitted
12	Exhibit 1	Map	9	9
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## OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501 CHAIRMAN

LAND COMMISSIONER

ALEX J. ARMIJO

MEMBER

STATE GEOLOGIST

A. L. PORTER, JR. SECRETARY - DIRECTOR

I. R. TRUJILLO

October 15, 1973

Mr. Paul Eaton	Re:	CASE NO. 5071
Hinkle, Bondurant, Cox & Eaton Attorneys at Law Post Office Box 10		ORDER NO. R-4644 Applicant:
Roswell, New Mexico 88201		Texas West Oil & Gas

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

(A. L. Porter, Jr.

Secretary-Director

Copy of order also sent to:  Hobbs OCC	ALP/ir		٠			
Artesia OCC Aztec OCC	Copy of order	also	sent t	:o:		
	Artesia OCC	х				
Other	Aztec OCC					
	Other	<del></del>				

## BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 5071 Order No. R-4644

APPLICATION OF TEXAS WEST OIL & GAS CORPORATION FOR A DUAL COMPLETION, LEA COUNTY, NEW MEXICO.

### ORDER OF THE COMMISSION

### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 3, 1973, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 11th day of October, 1973, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

### FINDS:

- (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 applicant, Texas West Oil & Gas Corporation, seeks authority to complete its State "2" Well No. 2, located in Unit K of Section 2, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce gas in the Antelope Ridge field area from the Atoka and Morrow formations through parallel strings of 2 7/8-inch tubing with packers set at approximately 12,250 feet and 13,170 feet.
- (3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent waste and protect correlative rights.

### IT IS THEREFORE ORDERED:

(1) That the applicant, Texas West Oil & Gas Corporation, is hereby authorized to complete its State "2" Well No. 2, located in Unit K of Section 2, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce gas in the Antelope Ridge field area from the Atoka and Morrow formations through parallel strings of

-2-Case No. 5071 Order No. R-4644

2 7/8-inch tubing with packers set at approximately 12,250 feet and 13,170 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Gas Well Shut-In Pressure Test Period for the Antelope Ridge-Morrow Gas Pool.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

I. R. TRUJILLO, Chairman

AYXX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

SEAL

### TEXAS WEST OIL & GAS CORPORATION

609 MIDLAND NATIONAL BANK BUILDING MIDLAND, TEXAS 79701

L. N. DUNNAVANT, President

DISTRICT OFFICE: Lafayetta, Louisiana 70501 F. L. Dischler, Manager Oil Center Station, Box 52332 (318) 232-8387 OIL COM Sonto Fo

Mr. Kepteina (015) 684-5836

11 September 1973

J. D. Ramey, District Supervisor NEW MEXICO OIL CONSERVATION COMMISSION Box 1980 Hobbs, New Mexico 88240

Re: Texas West Oil & Gas Corporation's State "2" #2, 1980' FS & WL's of Section 2, T-24-S, R-34-E, Lea County, New Mexico, Antelope Ridge Field.

Dear Mr. Ramey:

Please find attached two (2) executed copies of the Dual Completion Waiver Letter for subject well.

Executed copies from Aztec Oil & Gas Company and Penroc Oil Corporation were previously mailed to your office.

Very truly yours,

TEXAS WEST OIL & GAS CORPORATION

Alice Agnew

Office Manager

AA:kg

Attachment

DOCKET MAILED

Drito 9-21-13



### TEXAS WEST OIL & GAS CORPORATION

609 MIDLAND NATIONAL BANK EURIDING MIDLAND, TEXAS 79701

1. N. DUNNAVANT, President

(915) 684-5836

DISTRICT OFFICE:
Lafayetto, Levisiana 70501
F. L. Dischler, Manager
Oil Center Station, Box 52332
(318) 232-8387

27 August 1973

Shell Oil Company
P. O. Box 1509
Midland, Texas 79701

Aztec Oil & Gas Company 2000 First National Bank Building Dallas, Texas 75202 Attention: Mr. Joe Starks

Penroc Oil Corporation 310 West Texas Midland, Texas 79701

Kewanee Oil Company P. O. Box 1859 Midland, Texas 79701

Re: Texas West Oil & Gas Corporation's
State "2" #2, 1980' FS & WL's of
Section 2, T-24-S, R-34-E, Lea County,
New Mexico, Antelope Ridge Field,
Dual Completion Waiver Letter.

OIL CONSIDERATION COMM.

**DECEMBED** 

SEP 8 1973

### Gentlemen:

Attached please find a copy of the New Mexico Oil Conservation Commission Form C-107 "Application for Multiple Completion" for the proposed dual completion of subject well.

If you have no objection to this application, please indicate your approval by executing this Waiver Letter in the space provided for that purpose and return two copies to this office at your earliest convenience.

Page Two

Yours very truly,

TEXAS WEST OIL & GAS CORPORATION

Roy K. Valla
Operations Manager

RKV:aa

Attachment

APPROVED THIS DAY OF SEPTEMBER, 1973.
BY: D. S. artou
AZTEC OIL & GAS COMPANY BY:
PENROC OIL CORPORATION
KEWANEE OIL COMPANY



### TEXAS WEST OIL & GAS CORPORATION

600 MIDLAND NATIONAL BANK BUILDING MIDLAND, TEXAS 79701

L. N. DUNNAVANT, President

(315) 084-5836

DISTRICT OFFICE: Lafayetta, Louisiana 70501 F. L. Dischler, Manager Oil Center Station, Box 52332 (318) 232-8387

27 August 1973

Shell Oil Company P. O. Box 1509 Midland, Texas 79701

Aztec Oil & Gas Company 2000 First National Bank Building Dallas, Texas 75202 Attention: Mr. Joe Starks

Penroc Oil Corporation 310 West Texas Midland, Texas 79701

✓ Kewanee Oil Company P. O. Box 1859 Midland, Texas 79701

Re: Texas West Oil & Gas Corporation's
State "2" #2, 1980' FS & WL's of
Section 2, T-24-S, R-34-E, Lea County,
New Mexico, Antelope Ridge Field,
Dual Completion Waiver Letter.

### Gentlemen:

Attached please find a copy of the New Mexico Oil Conservation Commission Form C-107 "Application for Multiple Completion" for the proposed dual completion of subject well.

If you have no objection to this application, please indicate your approval by executing this Waiver Letter in the space provided for that purpose and return two copies to this office at your earliest convenience.

Yours very truly,

Page Two

TEXAS WEST OIL & GAS CORPORATION  Roy K. Valla  Operations Manager
RKV:aa
Attachment
APPROVED THIS 30 H DAY OF
SHELL OIL COMPANY
BY;
AZTEC OIL & GAS COMPANY BY: 3. Sh. Donnel
PENROC OIL CORPORATION
BY:
KEWANEE OIL COMPANY
· RY:

### DOCKET: E AMINER HEARING - WEDNESDAY - OCTOBER 3, 1973

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM, STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for November, 1973, from seventeen prorated pools in Lea, Eddy, Roosevelt and Chaves Counties, New Mexico;
  - (2) Consideration of the allowable production of gas from nine provated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico, for November, 1973.

### CASE 5044: (Continued from the August 9, 1973, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Sycor Newton, Peru Milling Company, R. E. Deming and Aetna Life and Casualty Company and all other interested parties to appear and show cause why the State L 6350 Well No. 1 located in Unit M of Section 10, Township 23 South, Range 11 West, Luna County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

- CASE 5069: Application of Sun Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Annie Christmas Well No. 1 located in Unit N of Section 1, Township 22 South, Range 37 East, Lea County, New Mexico, to produce gas from an undesignated Abo gas pool and oil from the Wantz-Granite Wash Fool through parallel strings of tubing.
- CASE 5070: Application of Amoco Production Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Bubbling Spring Unit Area comprising 3078 acres, more or less, of Federal and Fee lands in Township 20 South, Range 26 East, Eddy County, New Mexico.
- CASE 5071: Application of Texas West Oil & Gas Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its State "2" Well No. 2 located in Unit K of Section 2, Township 24 South, Range 34 East, Antelope Ridge Field Area, Lea County, New Mexico, to produce gas from the Atoka and Morrow formations through parallel strings of tubing.
- CASE 5072: Application of Northern Minerals, Inc. for a waterflood project, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks

### (Case 5072 continued from Page 1)

authority to institute a pilot waterflood project by the injection of water into the Hospah sand of the Gallup formation in the open-hole interval from 734 feet to 744 feet in its Santa Fe Pacific Well No. 6-Y located 2013 feet from the North line and 2003 feet from the East line of Section 29, Township 16 North, Range 6 West, undesignated Gallup Pool, McKinley County, New Mexico.

### CASE 5055: (Continued and Readvertised)

Application of Merrion & Bayless for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Gallup, Greenhorn, and Dakota oil and gas production within the wellbore of the Canada Mesa Well No. 3 located in Unit A of Section 14, Township 24 North, Range 6 West, Devils Fork Field, Rio Arriba County, New Mexico.

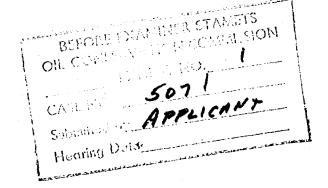
CASE 5073: Application of Belco Petrolcum Corporation for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 320-acre non-standard gas proration unit comprising the E/2 SW/4 and SE/4 of Section 30 and the N/2 NE/4 of Section 31, all in Township 20 South, Range 33 East, South Salt Lake Field, Lea County, New Mexico, to be dedicated to a well to be drilled either in the center of Unit 0 of said Section 30, or at an unorthodox location in the center of Unit P of said Section 30.

# OIL CONSERVATION COMMISSION \_\_\_\_\_\_DISTRICT

OIL CONSERVATION COMMISSION BOX 871	DATE	Sept. 5, 1973
SANTA FE, NEW MEXICO	Re:	Proposed NSP Proposed Triple Proposed NSL Proposed NFO Proposed DC X
Gentlemen:		
I have examined the application	dated 9/4	4/73
or the Texas West Oil & Gas Corp.	State 2 #2-K	2-24-34
	e and Well No.	S-T-R
and my recommendations are as follows:	<b>.</b>	
O.KJ.D.R.		
O.KJ.W.R.		
<b>X</b>		
	-	
	edi. Prompingsingsprosensystem (special propingsing proping groups (propingsing	
You	irs very truly,	
OIL CONSERVATION COMM.  Senta to	Joseph Jo	Ry

### CASE 5071:

Application of Texas West Oil & Gas Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its State "2" Well No. 2 located in Unit K of Section 2, Township 24 South, Range 34 East, Antelope Ridge Field Area, Lea County, New Mexico, to produce gas from the Atoka and Morrow formations through parallel strings of tubing.



Form C-1 17

# SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

C; Aer		County	Date		
Texas West Oil & Gas Co	al Bank Building	Lea Lease	27 August 1973  Well Ro. 2  Hunge  34-East		
, Midland, Texas 797		State "2"			
tecation Unit Se of Well K	2	l'ownship 24–South			
			of a well in these same pools or in the sam		
zones within one mile of the subject	t well? YES	NOX			
2. If answer is yes, identify one such:			and Well No.:		
3. The following facts are submitted:	Upper	Intermediate	1.ower		
N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Zone	Zone	Zone		
a. Name of Pool and Formation	Atoka		Morrow		
b. Top and Bottom of	12,407'-12,480	N	12 0601 12 6001		
Pay Section	12,407-12,400		13,260'-13,699'		
(Perforations)	Caa				
d. Method of Production	Gas		Gas		
(Flowing or Artificial L'ft)	Flowing		Flowing		
4. The following are attached. (Please	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>-</u>	1 tovvtrig		
Yes   No	encer 120 of 110)				
Description   Description	ers and location thereof, of depth, location and type ation of all wells on appliances offsetting applicant's of such multiple completions of the application of the application well or other acceptable such log is not available at the which this well is located by the such log of the application which this well is located by the such log of the suc	pantities used and top of cement, pof packers and side door chokes, and icant's lease, all offset wells on clease.  I lease to fiset operator, or in liation.  log with tops and bottoms of production is filed it shanted together with their correct mail Midland, Ten 379701	- Dallas, Texas 75202 701		
6. Were all operators listed in Item 5 aldate of such notification 27 At	ove notified and furnished ugust 1973	I a copy of this application? YES	X NO If answer is yes, give		
CERTIFICATE: 1, the undersigned, s	seasa sharilam sha Ono	rations Manager	um Texas West Oil & Gas		
	mpany), and that I am au	thorized by said company to make th	is report; and that this report was prepared		
		Roy K. Valja	M. Carlotte		
		Roy K. Valla	Standure		

\*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Sonta Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard protation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

400 -SELL LAKE A THE RESERVE OF THE PARTY OF T Shell 667715 55160 SaxII 155160 HBU 071349 Ted Chem i 11 <u>35</u> 71 11 <u>35</u> 71 1 435 ANTELOPE RIDGE UNIT 29 COPER.)

The description of the 28 27 Robert Hansufun U. 17. Få U. 50.4 25.76 Superior Victoria Victoria Victoria SHELL U.S. MI WALVEGOOK(S)

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I Jean
21 5 Shell Shell 31:5-73 3:55-73 13 J C.Barnas 1977, 977, 1 1 1649 10 5 UNIT . VOPER) BELL LAKE Read F. Stavens State.

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9-1-55-1. Contractol

5-2-76 Texas West CE, G 07 15 22 1 7040 8984 75 193140 Strongo - Beics 19375 182-1972 | 71 1974 186280 00001621 - 0354254 Toxen Visited S Toxen Visited S Toxen Server Toxen Server Mercer Server | ABU | Act. | Act. | Act. | ABU | Act. | Ac เดินรักก I MIC Continental 9-1-59121 001374; Continental 4-1-61:21 008653 Mars Dinne Sections 7-1-62 15922 5 78 Beice Celoc 7 1-72 7-1-74 5554253 9554254 Tripor 9ts
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U.S., MI
Edno M. Poge
R.F.I.S. R.
R. Maden, S. M. March et al. -- T -tier to Western State of Seasons U.S., M. El Paso Not. ( 9 - 15 - 90 - 1 4445 - 1103 4.) 31% 00 653 Artes 1-20-90 1-4238 21-39 J.A hater (Congress)

Marter notes M. Coul Denis
R. Alexander M. Lin, divid
R. F. & R. Hairro, etcl. Fon Amer. Fon 5 · 1 · 73 Amer. 0380141 - 13 0464353 D.A.Smith 1: 1: 33 -2241 1 A Smith 11 41 84 U.S. Conter & Perter 2 1 - 23 3023 Gelf + 8 -1 - 73' 0423014 U.S., HÎ d 2 Years p.vs. .

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SANTA FE			Edd. Bulliante 122 e of Legae
E	1 1	O OIL CONSERVATION COMMISSION	
	WELL COMPLETION	OR RECOMPLETION REPORT AND LOG	5. Cone (all 4 Can Leane 1).
U.S.G.S.	<del>_</del>		1
LAND OFFICE			L-3882
OPERATOR			
			AHIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
IG. TYPE OF WELL			7. Unit Astronom Hame
1.	OIL GAS WELL	DRY OTHER	
P. TYPE OF COMPLETION			8. Parm of Leane Hence
NEW KIND WAN	DEEPEN BACK	DIFF. OTHER	State "2"
2. Notice of Operation			9. Wen 1:52
Texas West Oi	& Gas Corp.		2
3. Address of Operator		THE PARTY OF THE STATE OF THE S	10. Field and Food, or All Lon
609 Midland Nat	ional Bank Bldg	Midland, Texas 79701	Antelope Ridge
4. Lecution of Well			
INIT LETTER K	1980	South LINE AND 1980	
200	TEL PRODUCTION	والمراجع والم	ALLALIA DALLA ALLA ALLA ALLA ALLA ALLA A
West	24-Sec 34-1		T.es (IIIIIII)
15. Pro Studied   Le. De	e T.O. Reached   17, Date Compl. (	E SMPG (18, Elevations (DF, RKB, RT, G	R. etc. J. 19. Elley, Cantanadou i
			3451
20. Total Depth	20-73 8-24-7	. If Multiple Compl., How 23, Intervals , Rotary	y Toela Guide Teolo
	13,766'	Many : 1 Drilled By :	_
24 Productive Interval(s) of the	completion - Top, Bettom, Name	Dual>; 2	25, Was Directional Curve
	07' to 12,480'		16: to le
MOFFOW - 13,	260' to 13,699'		No
			27. Wes Well Core i
Somp. Lautron-		Dual Induction Laterdog	
28.		ORD (Report all strings set in well)	and the state of t
	HT LB./FT. DEPTH SET	HOLE SIZE CEMENTING RECO	
20"	94 358'	26" 550 sx Cir	culated None
	61,54.5 5,184'	17 1/2"   3600 sx Cir	culated None
9 5/8" 4	3.5, 47 11,930'	24 1/4"   2200 sx.	None
29.	LINER RECORD	30. TU	JBING RECORD
SIZE TO	BOTTOM SACKS O	SEMENT SCREEN SIZE DEP	TH SET PACKER SET
7 5/8" 11,50	2' 13,801' 300	sx. 2 7/8" 13,1	70' 13,170'
		2 7/8" 12,2	and transfer an arrangement against the real states of the property of the second states of t
31. Perforation Record (Interval,	size and number!	32. ACID, SHOT, FRACTURE, C	
	14; 12,438-456; 12		NT AND KIND MATERIAL USED
	l, shot/ft.)		None
	02; 13,372-380; 13		NOTE
			and a suppose of the
454; 15,	672-699' (w/l shot,	/14.)	
<u> </u>		833811571011	
33,	I Basin and a second	PRODUCTION	The state of the s
~Aftikar:ductign-23-73	1	lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
Morrow: 8-24-73	Flowing		Shut-in
ALONA: 0-23-13	ested Choke Size Prud'n. Test Pe	Horrow: 0 790 Water	-0 pl.   Gard 20 Quarte
	hrs. various		0 dry
low Tubing Press.   Casing l	Pressure Calculated 24- AUOX	1: 217.5 Gas4-, 030 MCFD ater - Bblo-	OIL GERIAD- API (Com.)
various (	→ Morro	ow: -0- 4,153 MCFD -0-	
' Disposition of Gas (Sold, used	for fuel, vented, etc.)		Attnouned By
√ Vented		Rat	ndy Kiker
5, List of Attachments			inamini eti ya Alini II ilikuli II ilikumungi eye ya ayaya aya aya ma
Log, C-104,	7-122 (2)	1	
6. I hereby certify that the inform	ation shown on both sides of this fo	m is true and complete to the best of my knowledge	and belief.
		•	•
$\sim$ .	100		
SIGNED FOUK	1.00	LE Operations Manager	DATE 8-29-73

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DISTRIBUTION SANTA FE  SE  U.S.G.S. LAND OFFICE  OPERATOR			MEXICO OIL CO LETION OR RE				Pitate 5	(1-1-6) (19) = of the se (19) = of the second
la. TYPE OF WELL	O)	L GAS	ORY ORY	_			7. Unit Age	coment Page
NEW I	ETION	Fig.		OTHEF			8. Form of I	
2. Name of Operator	VEY DEE	PEN BAC	K . RESVR	OTHER			Sta Time III.	ite "2"
Texas We	st Oil &	Gas Corp.					15 17631 30	2 of feet, or Wilden
609 Midland		l Bank Blo	dg Midl	and, Te	exas 797	01		pe Ridge
UNIT LETTER K	LOCATED 1	980 FEET	FROM THE Sout	h LINE AN	, 1980	FUET FROM		
THE West LINE O	7-20-73	Reached   17. Date	GE. 34-E NMP. o Compl. (Ready to 8-24-73	Prod.) 18.	Elevations (DF, 8471 RKB	RKB, RT, GI	Lea (, etc.) 19. 1	Clev. Condingles 1
20, Total Papen	•	ig Back T.D.	Many	le Compl., H	ow 23. Interv Drille	aln   Rotary J By		Calde Tools
Morrow	(s), of this comple 12,407' - 13,260'	to 12,480	m, Name	ual		<u>→ : 3:</u>	2.5	5. Was Directional durvay Made No
omp. Neut	-	ation Der	eity Dua	I Induc	tion Late	erdea	27. Wa	n Well Cone!
28.	IOI TOIN		SING RECORD (Re			ergog		NO
CASING SIZE	WEIGHT LB.			LE SIZE	I	NTING RECO	**********	AMOUNT PULLED None
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9 5/8"	43.5,	47 11,93	24	4 1/4"	2200 sx	•		None
29.	L	INER RECORD	······································		30.	TU	BING RECO	RD
SIZE	TOP	воттом	SACKS CEMENT	SCREEN	SIZE		THSET	PACKER SET
7 5/8"	11,502'	13,801'	300 sx.	·	2 7/8			1.3,170'
	<del></del>		<u> </u>	<del></del>	2 7/8'			12,250'
31. Perforation Record	•	•	C. 10 470'	32.	ACID, SHOT, FI			
	40/-414; ' (w/l,sh		6; 12,473 <sup>±</sup>	DEPTH	INTERVAL			MATERIAL USED
			0; 13,438-				None	
			shot/ft.)					
33. Date First Production	Do Do Produ	ation Method (Flor	PROD ving, gas lift, pump	UCTION	l type pumpl		Well Status /	Prod. or Shut-inj
	24-73	Flow					Shut-i	
Atôka: 8-23-	73 8 hrs	Choke Size	Prod'n. For Test Period	cu - Rы. Atoka: orrow:	72 15 - 177	8 Water	-011.	ary
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Atoka: 217	. 5 Gas4-, (	30 MCFD			5'40- API (Core.)
Various 3' Disposition of Gas (	Sold, used for fue		Morrow: -	UT 4,15	оз мстц	-0- Test W	itnessed By	
					Ran	dy Kik	er	
35. List of Attachments	• • • • • •	- 40						
Log, C-	the information st	2 (2)	of this form is tour	and complet	e to the best of a	v knowledge	and belief	
	) , / / /	1		•	•	•	······································	
SIGNED	y K. Vall	<u>a</u>	TITLE Ope	eration	s Manage	r o	8-2	9-73

### INSTRUCTIONS

This term is to be third with the apprepriate District Office of the Commission not later than 20 days after the completion of any newly-difficient with the district of the completion of the c

### INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

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P<sub>Aloka</sub> Mener

Temos Oil Chef.

TEXAS WEST OIL & GAS CORPORATION
Antelope Ridge Field
Lea County, New Mexico

### TEXAS WEST OIL & GAS CORPORATION

G00 MUDIAND RIVIONAL BANK FORMERO MIDHAND, TERMS 79701

L. N. DUNNAVANT, Seel-Mont

المتحققة فيروا (فردي

DISTRICT OFFICE: Lafayetta, Ladislana 70501. F. L. Dischler, Manager Oll Center Station, Box 52032 (318) 202-5387

27 August 1973

Shell Oil Company P. O. Box 1509 Midland, Texas 79701

√Aztec Oil & Gas Company 2000 First National Bank Building Dallas, Texas 75202 Attention: Mr. Je. Starks

Penroc Oil Corporation 310 West Texas Midland, Texas 79701

Kewanee Oil Company P. O. Box 1859 Midland, Texas 79701

Re: Texas West Oil & Gas Corporation's
State "2" #2, 1980' FS & WL's of
Section 2, T-24-S, R-34-E, Lea County,
New Mexico, Antelope Ridge Field,
Dual Completion Waiver Letter.

Gentlemen:

Attached please find a copy of the New Mexico Oil Conservation Commission Form C-107 "Application for Multiple Completion" for the proposed dual completion of subject well.

If you have no objection to this application, please indicate your approval by executing this Waiver Letter in the space provided for that purpose and return two copies to this office at your earliest convenience.

RECEIVED

TEXAS WEST OIL & GAS CORP.

SEP 4 1973

Page Two

Yours very truly,
Yours very trassy TEXAS WEST OIL & GAS CORPORATION
Roy K. Valla
· Valla
Operations Manager
RKV:aa
Attachment
APPROVED THIS 30 H DAY OF.
APPROVED THIS 300 1973.
SHELL OIL COMPANY
SHELL OIL
BY:
AZTEC OIL & GAS COMPANY
BK: 3, Sh Dranch
PENROC OIL CORPORATION
<i>;</i>
BY:
KEWANEE OIL COMPANY
1 <del>7</del> -

Yours very truly,

Page Two

KEWANEE OIL COMPANY

Page Two

Yours very truly,

TEXAS WEST OIL & GAS CORPORATION

Roy K. Valla
Operations Manager

RKV:aa

Attachment

SHELL OIL COMPANY
BY:
AZTEC OIL & GAS COMPANY BY:
PENROC OIL CORPORATION
KEWANEE OIL COMPANY
BY:

Shell Oil Company Artec Oil & Gas Company Penroc Oil Corporation Kewanee Oil Company 8/27/73

-: Two

Yours very truly,

TEXAS WEST OIL & GAS CORPORATION

Kong K. Valla

Roy K. Valla Operations Manager

RKV;aa

Attachment

APPROVED THIS 28 DAY OF
SHELL OIL COMPANY
BY:
AZTEC OIL & GAS COMPANY BY:
PENROC OIL CORPORATION BY:
KEWANEE OIL COMPANY  BY: // / / / / / / / / / / / / / / / / /

Moccion

### NE MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION AT

Point C+152 Naporsedes C-178 Uffernive 1-1-05

tual Footage Location 980 fee	il & Gas Corr		State 2		well tto.
tual Footage Location 980 fee	tion Towns				
ual Footaga Location 980 fee	2 1 21		Honge	County	and manufacture from Personal account and account from the second
980 to		South	34 East	Lea	
	of Well:				
	of from the South	line and	1980	feet from the West	line
ound Level Elev.	Producing Formation	-	Pool	•	Dedicate L Acreage:
451	Atoka		Antelope R		320 Ac
2. If more than control interest and ro	yalty).	ted to the well,	, outline each and	identify the ownersh	hip thereof (both as to worki
If answer is "this form if nec	No If answer is no," list the owners essary.)	ion, force-poolings "yes;" type of and tract descri	g. etc?  convolidation  ptions which have	actually been conso	olidated. (Use reverse side o
					communitization, unitization seen approved by the Commis
	i		!		
)	1			I here	eby certify that the information con
•	 		1		d ferein is true and complete to the of the structure of
distribution of the second second of the sec				Position	
	; ;		1 } !	Compony	s West Oil & Gas ( eptember 1973
			1	Date	
:	1 } [		<b>i</b> /	<b>B</b> i	by certify that the well location on this plat was plotted from field
1980'-			1	undern	of actual surveys made by me or my supervision, and that the some e and correct to the best of my
 				knowle	dge and belief.
	- 1980		1	Date Surv	d Professional neer
; !					nd Surveyor
L	***************************************	อนาราุยสาการ เราเกรา		Certificate	. Y's

### N MUXICO OIL CONSURVATION COMBAIN A WELL LOCATION AND ACCEASE DUDICATION ALAS

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naka Tanaka	V/πογ Ου. ε Ο	DAS CORP.	Land Comment	State 2	$\mathbf{a} = \mathbf{a}^{-1}$	2
ic Letter	Se. Lon	Township	[ storage	and the second s		•
K	2	24 South	3.5 E.AS	m	L. "1	
nad Fortise Lo						
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3451	Morrow	mDovoni an	note of a	nn nidea	200	
ستناه المستادة في المارية الملاسية		-Devonian				
1. Contine is	ie mienge deute	area to the subject w	en ny cotorea pen	CH of flackate	marks on the plat tellow.	
2. If more that interest a	nan one lease is nd royalty).	dedicated to the wel	l, outline each and	Fidentify the o	ownership the real Booth as to s	e ad VIII.
3. If more the	an one lease of c	lifferent ownership is unitization, force-pooli	dedicated to the w	ell, have the in	nterests of all owners become	d(%+ <b>x</b> },-
		•				
[ ] Yes	No If a	nswer is "yes!" type o	f consolidation	r Marke Agentina market seleste and talk all market selections as	to the company of the	
If answer	is "no!" list the	owners and tract desc	riptions which hav	e actually boo	n ronsolldatoff (Use reverse)	. 1.4 1
this form i	necessary.)				and the second s	*1000 .d
No allowat	le will be assign	ed to the well until all	interests have been	en consolidate	d the communicization, until	7 11. · h.
forced-pool	ing, or otherwise)	or until a non-standare	I note, oliminating	such interests.	, less been approved by the C.	either sie e
sion.		. Na salahinin sarah ari dalamin dan dan dan dan dan salah salah salah sarah dan sarah dan sarah sarah sarah s	The state of the s		the first the first of a company on the second of the consequence of the second of the	
	1		1		CERTIFICATION	
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	1		ŧ.		tained herein is true and complete	n to the
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	t t		!		- program i i i di supplica di sul di	
					Roy K. Valla	
	4 4				å inco≇s (ek	
	1		1	j  -	Vice-Presiden	<u>ئ</u>
	7 6		1	1 1.	Congress	<b>&gt;</b>
•	1		1	1 (	Texas West Oil & Gas Co	orpor
	i	l I	1		4/23/73	
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gainting of the party	andy of quitties				Sandille Sand	· .

#### CO OIL CONSERVATION CON ISSION OIL AND GAS DIVISION NEW ME,

Form W-4A (Nev. 8-27-69)

#### SKETCH OF MULTIPLE COMPLETION INSTALLATION NITH TUBING INSIDE CASING

(Fill out only the wide of this form that applies to your instal	
Antelope Ridge	2. XX District NMOCC
TEXAS WEST OIL & GAS CORPORATION	4. County Lea
5. Lease Name(a) 47000000000000000000000000000000000000	6. Well Number
State "2" 7. Type of Multiple Completion - dual, triple, etc.   8. Which exceled below (A, B, C, or D) fits your	1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
Dual multi-completion installation? "IB"	27 August 1973
Sketch A B -C D	
String (1) (2) (3) (4) Pace Tub  RRC Alp  Name of  Type of  Tubin  RRC Alpi  Same of  Type of T  Zone Inte  Perforate  Perforate  Pack Tubin	cker set atft.  chabetic Code Designationft.  Production (oil, gas, or Inj.)  ervalto  code or Producing Intervalft.  ing landed atft.  chabetic Code Designation  Reservoir  Production (oil, gas, or Inj.)  ervalto  d or Producing Interval
Name of R Type of Pr Zone Inter Perforated	obotic Code Designation  Reservoir Atoka  roduction (oil, gas, or Inj.) Gas  valto  or Producing Interval 12,407 to 12,480!
Tubing  RRC Alpha Name of Re  Type of Pro  Zone Interv  Perforated  7-5/8"  Total Well 1	st eo; at13,170ft.  g landed at13,170ft.  static Code Designation eservoir Morrow  oduction (oil, gas, or Inj.)Gas  valto  or Producing Interval 13,260 to 13,699!  Liner  ach Exercise13,801ft.  Depth at13,825ft.
NOTE: Clearly mark any Cross-over Packers or Side Door Chokes and show depth at which set.  Side Door Choke set at None ft. String No Cross-over Packer s	ect at None It., String No.

#### - INSTRUCTIONS FOR SIDE 1 -

will out only the side of this form that applies to your multiple completion installation. This side may be used for a dual, triple, or quadruple completion. If none of the sketches fits your installation, draw your installation on an attached sheet showing the identical

<sup>2.</sup> If this side of the form is used, two copies of Form W-5, PACKER SETTING REPORT (for each packer set); two copies of Form W-6, COMMUNICATION OR PACKER LEAKAGE TEST; on Electrical Log; and two copies of this form must be filled with the two copies of Form W-4, APPLICATION FOR MULTIPLE COMPLETION, in the RRC District Office."

### NEW MINICO OLL CONGENVATION CONTROL OF RAILER SHOWS SAME SHOW AND A SHORT OF A SHORT OF

### OIL AND GAS DIVISION

Form W-5, (Rev. 8-27-49)

### PACKER SETTING REPORT (File two copies of this form in the RRC District Office for each procker set.)

3. Operator of Well Texas West Oil & Gas Corporation  5. Lease Name(s) and RRC Lease Number(s) State "2"  7. Make and Type of Packer Baker, Model A-5, Dual Hydrostatic Packer  9. Depth Measurement in Item 8 furnished by:	4. County Lea  6. Well Number 2  8. Depth at which Packer was set (ft.) 12,250 Feet
Texas West Oil & Gas Corporation  5. Lease Name(s) and RRC Lease Number(s) State "2"  7. Make and Type of Packer Baker, Model A-5, Dual Hydrostatic Packer	I.ea  6. Well Number  2  8. Depth at which Packer was set (ft.)
Texas West Oil & Gas Corporation  5. Lease Name(s) and RRC Lease Number(s)  State "2"  7. Make and Type of Packer  Baker, Model A-5, Dual Hydrostatic Packer	I.ea  6. Well Number  2  8. Depth at which Packer was set (ft.)
Texas West Oil & Gas Corporation  5. Lease Name(s) and RRC Lease Number(s)  State "2"  7. Make and Type of Packer  Baker, Model A-5, Dual Hydrostatic Packer	I.ea  6. Well Number  2  8. Depth at which Packer was set (ft.)
5. Lease Name(s) and RRC Lease Number(s) State "2"  7. Make and Type of Packer Baker, Model A-5, Dual Hydrostatic Packer	6. Well Number 2 8. Depth at which Packer was set (ft.)
State "2" 7. Make and Type of Packer Baker, Model A-5, Dual Hydrostatic Packer	8. Depth at which Packer was set (ft.)
State "2" 7. Make and Type of Packer Baker, Model A-5, Dual Hydrostatic Packer	8. Depth at which Packer was set (ft.)
7. Make and Type of Packer Baker, Model A-5, Dual Hydrostatic Packer	8. Depth at which Packer was set (ft.)
Baker, Model A-5, Dual Hydrostatic Packer	, ,
Baker, Model A-5, Dual Hydrostatic Packer	, ,
	12 250 Feet
	エムノムJU ICCL
9 Denth Measurement in Item 8 furnished by:	
o Denn measurement in item a turnished by:	
	10. Dute Packer was set
Tubing tally	8-10-73
11. Remarks:	
was to effect a seal in the annular space between the two strings of pipe where the packer ling, in the bore of this well, of fluids produced from a stratum below the packer with packer. The make and type packer set was adequate to effectively and absolutely sea strings of pipe when it was properly set. This packer was properly set.	fluids produced from a stratum above the
I declare under penalties prescribed in Article 6036c, R. C. S., that I am authorise was prepared by me or under my supervision and direction, and that data and facts stated to the best of my knowledge.  27 September 1973  Date  Signature of person	
was prepared by me or under my supervision and direction, and that data and facts stated to the best of my knowledge.  27 September 1973	therein are true, correct, and complete,
was prepared by me or under my supervision and direction, and that data and facts stated  to the best of my knowledge.  27 September 1973  Date  Texas West Oil & Gas Corporation  Roy K. V  Employer  Name of Person (type)	therein are true, correct, and complete,

# 

Form R-5: (Res., 8-27-6-7)

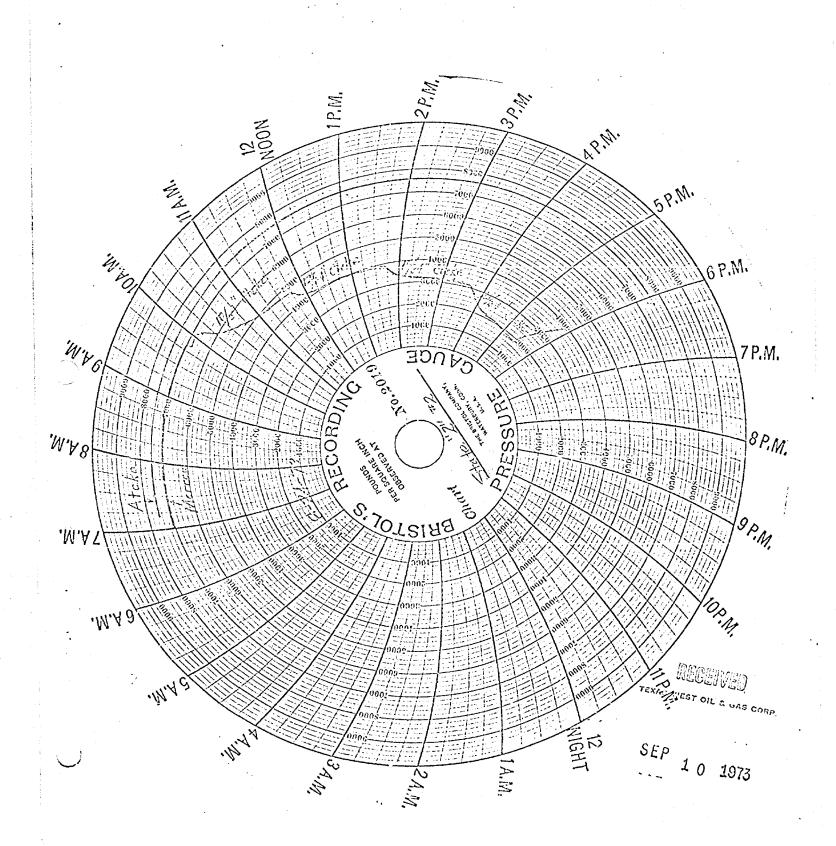
### PACKER SETTING REPORT

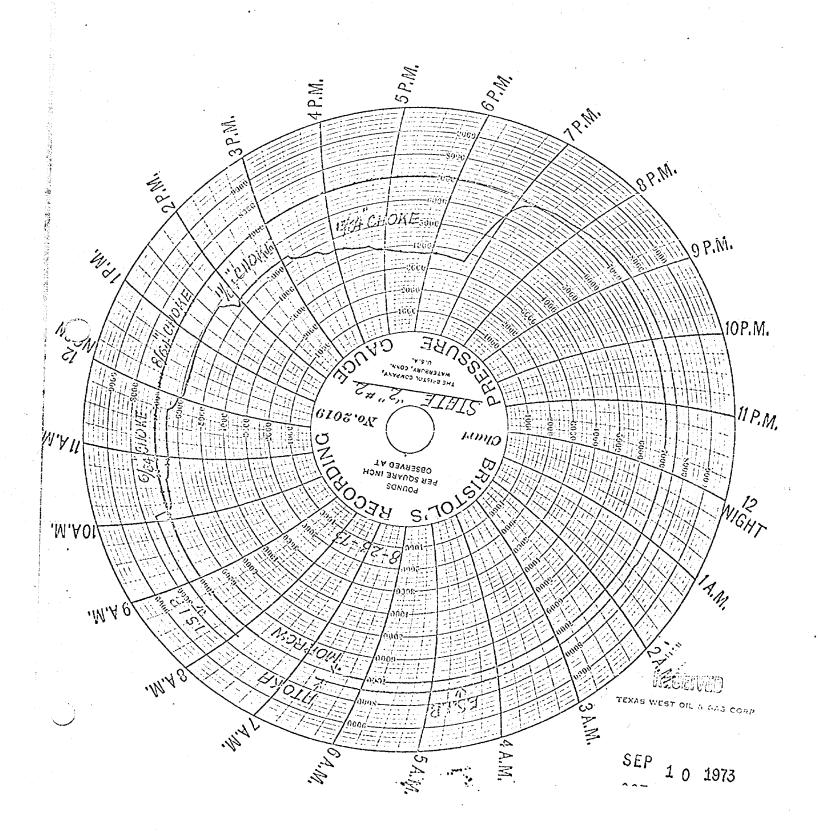
(File two copies at this form in the RRC Dis	
Field Name	2. RRC District
Antelope Ridge	
3. Operator of Well	4. County
Texas West Oil & Gas Corporation	Lea
5. Lease Name(s) and RRC Lease Number(s)	6. Well Number
State "2"	2
	- N
? Make and Type of Packer	8. Depth at which Packer was set (ft.)
Baker, Model A-2 Loc-Set Packer	13,170 Feet
·	
9. Depth Measurement in Item 8 furnished by:	10. Date Packer was set
Tubing tally	8-1-73
1. Remarks:	
<i>x</i>	
	The state of the s
I personally supervised the setting of the packer described above i	
was to effect a seal in the annular space between the two strings of pip ling, in the bore of this well, of fluids produced from a stratum below	
packer. The make and type packer set was adequate to effectively at strings of pipe when it was properly set. This packer was properly set.	nd ansorately seat on the amount space between the two
Strings of paper when it was properly seen and properly went	
I declare under penalties prescribed in Article 6036c, R. C. S.,	that I am authorized to make this report, that this report
was prepared by me or under my supervision and direction, and that data	
to the best of my knowledge.	<b>(2)</b>
	() .// 10
•	
	D. 1/1/1//
27 September 1973	Roy K. Valla
27 September 1973 Si	Rog K. Valla gratule of Person Making Report
Date - Si	Roy K. Valla grature of Person Making Report
Date Si	grature of Person Making Report  Y K. Valla  nme of Person (type or print)
27 September 1973  Bate Si  Texas West Oil & Gas Corporation Ro  Employer No.	gratule of Person Making Report  Y K. Valla  name of Person (type or print)
Pexas West Oil & Gas Corporation Ro Employer Na  79 Midland National Bank Building Op	grature of Person Making Report  Y. K. Valla ame of Person (type or print)  erations Manager
Pexas West Oil & Gas Corporation Ro Employer Na  79 Midland National Bank Building Op	ame of Person (type or print)
Texas West Oil & Gas Corporation Ro Employer  9 Midland National Bank Building Op- cet Address or P.O. Box	erations Manager

Operator Walt Otto Ca	A Company til	ease		leli
Texas West Oil & Ga	and the contract of the contra	State "2"	County	io. 2
or Well K	2			Lea   Choke S
Nome of Reservoi		s) Flow, Art Lift		01.0%6 5.
Compl. Atoka	Gas	Flow	Tubing	<u>Vanious</u>
Lower     Morrow	Gas	Flow	Tubing	- Various
		EST NO. 1		
Both zones shut-in at (ho	•			
Well opened at (hour, date			Upper Completion	Lower
Indicate by (X) the zone			<del></del>	Compre
Pressure at beginning of t				
Stabilized? (Yes or No)				
Maximum pressure during te	est		7075 psig	A0
Minimum pressure during te	est	• • • • • • • • • • • • • • • • • • • •	3240 psig	
Produce at conclusion of	test	• • • • • • • • • • • • • • • • • • • •	3240 psig	
Pressure change during tes	st (Maximum minus Minimu	m)	<u>3825 psig</u>	
Was pressure change an inc	rease or a decrease?		Decrease	
Well closed at (hour, date	): 3:00 P.M., 8-23-	Total Time 73 Production	e On n 8 hours	
Oil Production During Test: 72.5 bbls;	Gas Pi	roduction		.620
Remarks While flowing the	: Atoka zone no decreas	e m shuc-m pressur	e for the Morre	700 ZONE
vas Witnessed.				<del></del>
	FLOW TEST	NO. 2	Upper	Lower
Well opened at (hour, date)			Completion	
indicate by ( X ) the zor	ac muchinima	IONE THE THE TENTON OF THE COLOR OF THE COLO		
	de biloguerus	TERMS TIEST OF IT IS A 1999	r. n	×
	est	• • • • • • • • • • • • • • • • • • • •	• • • •	
	est	• • • • • • • • • • • • • • • • • • • •	• • • •	6860 p
tabilized? (Yes or No)	est	SEP 1 0 1973	••••	6860 p Yes
tabilized? (Yes or No)	est	SEP 1 0 1973	• • • • • • • • • • • • • • • • • • • •	6860 p Yes 6860 p
tabilized? (Yes or No)	est	SEP 1 0 1973		6860 p Yes 6860 p
tabilized? (Yes or No)  resum pressure during tes  inimum pressure during tes  ressure at conclusion of te	est	SEP 1 0 1973		6860 p Yes 6860 p 1840 p
stabilized? (Yes or No)  The pressure during test  The pressure during test  The pressure at conclusion of the pressure change during test	estest	SEP 1 0 1973		6860 p Yes 6860 p 1540 p
stabilized? (Yes or No)  In Jum pressure during testinimum pressure during testinescure at conclusion of the constant of t	est	SEP 1 0 1973	n	6860 p.  6860 p.  1840 p.  1840 p.  8820 p.
stabilized? (Yes or No)  Signam pressure during testinimum pressure during testinescure at conclusion of the ressure change during testinescure change an increased closed at (hour, date)	est	SEP 1 0 1973  Total time of Production	n	6860 p Yes 6860 p 1540 p 1540 p
Stabilized? (Yes or No)  Ar Journ pressure during testinimum pressure during testinescure at conclusion of the ressure change during testines pressure change an increase classification of the change and increase change and	est	Total time of Production uction	n S hours	6860 p
Stabilized? (Yes or No)  Stabilized? (Yes or No)  Sinimum pressure during test ressure at conclusion of the ressure change during test as pressure change an incre cell closed at (hour, date) il Production pring Test: -0- bbls; (	est	Total time of Production west 970 M	n Shours  OF; GOR -0-	6860 p Yes 6860 p 1840 p 1840 p 5320 p
Stabilized? (Yes or No)  Sinimum pressure during test ressure at conclusion of the ressure change during test as pressure change an increase production pring Test:O	est	Total time of Production west 970 M	n Shours  OF; GOR -0-	6860 p Yes 6860 p 1840 p 1840 p 5320 p
Stabilized? (Yes or No)  Explain pressure during testinimum pressure during testinessure at conclusion of the ressure change during testins pressure change an increase pressure change an increase at (hour, date) if Production uring Testinessed.  Explain pressure during testing testinessed.  As witnessed.  As witnessed.	est	Total time of Production wetion est 970 M	n Shouns  OF; GOR ——O—  ne for the Atoks	6860 p Yes 6860 ps 1840 ps 1840 ps 6880 ps Decres
Pressure at beginning of te Stabilized? (Yes or No)  Explaim pressure during tes dinimum pressure during tes dressure at conclusion of the ressure change during test das pressure change an increase production uring Test: -0- bbls; Commarks While flowing the Association description of the response	est	Total time of Production wetion est 970 M	n S hours  OF, GOR	6860 p Yes 6860 ps 1840 ps 1840 ps 5320 ps Decres
Stabilized? (Yes or No)  Existum pressure during test inimum pressure during test ressure at conclusion of the ressure change during test as pressure change an increase pressure change an increase at (hour, date) if Production pring Test:O bbls; (hour, date) as witnessed.  As witnessed.  According to the production of the pressure during test and pressure during test are pressured to the pressure during test and pressure at conclusion of the pressure at conclusion of the pressure at conclusion of the pressure change during test as pressure change and pressure change and pressure change are pressured to the pressure change at the pressure change at the pressure change are pressured to the pressure change at the pressured to the pressure change at t	est	Total time of Production with the production see in shut-in pressured is true and compared to the contract of	n' Shouns  OF; GOR -0-  re for the Atoka  lete to the best  at CA & Cas Co	6860 p  Yes  6860 p  1840 p  1840 p  1840 p  Decres  28000
Stabilized? (Yes or No)  Existum pressure during test inimum pressure during test ressure at conclusion of the ressure change during test as pressure change an increase at (hour, date) if Production tring Test:O bbls; (hourks_While flowing the Assembly certify that the interest conclusion of the production o	est	Total time of Production uction est 970 Mage in shut-in pressured is true and complete.	n' Shouns  OF; GOR -0- ne for the Atoka  Lete to the best at CA & Cas Co.	6860 p  Yes  6860 p  1840 p  1840 p  1840 p  08880 p  Decress  Work  Work  Connection

Date 27 August 1973

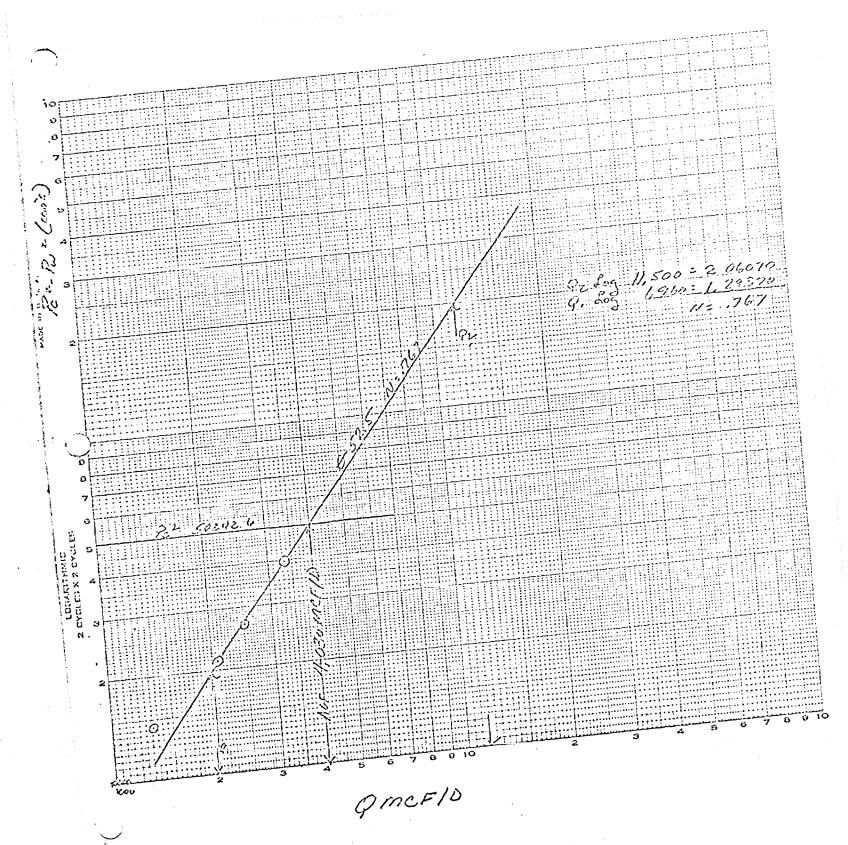
Title





## MEXICO OIL CONSERVATION COME TON MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

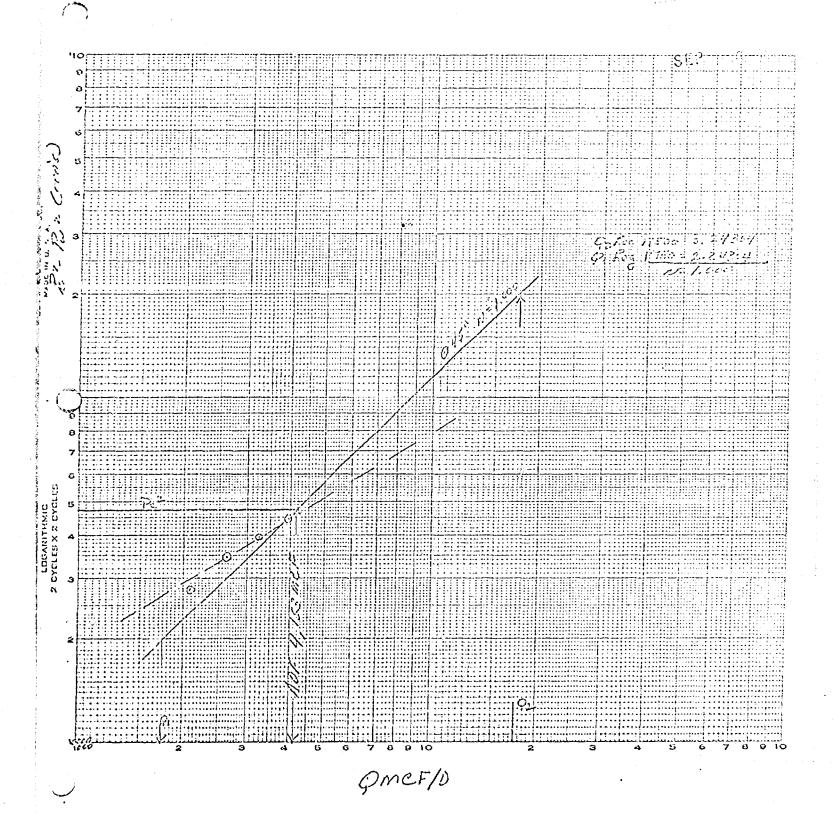
Tipe Test	1)	] Annual		□ Snc		7est 555e 8-23	_73	5,	Ep	
Company	**	Connecti	ion			0-23			<del></del> 6	1022
Texas West (	)il & Gas Co	7777	5	Vone				1		1973
Pool		Formatio		101.0				Cita		
Antelog	e Ridge		At	oka						
Completion Date	Total Pepth		Plug Buc		Ī	Clevation		Paris of	Lerine Na	1,0
8-21-73	13.803		113,7	66		3451 0	R	Sta	ite 2	
Csq. 8:20 Wt.	° 11930	Set At	Perforati	oust				Well No		•
9 5/8 7 5/8	1877	13,801	From 2		To	12480	)		<u> </u>	ïwa. itiji
700. 8170 W.	a	Set At	Perioran From	one:	To			Unit K	1.5	тир. нук 24 34
2 7/8 6	.5 2.441 (mbass 66 ar 60	12,270	1.10"	Packer Se		····		County	-/	2.0
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	A Reservoir Temp. *F	Moon Annuc	il l'ema, 'F	Baro, Pre	30 33. – P	,	·	<u>Lea</u>		
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125   K	: GG	1802	S No	<u> </u>	3,2 , h <sub>2</sub> s	Pro	va:	Motor		<u>:U</u> :apo
	250 .647							1 4		FL6
	FLOW DATA			l Tuai	NG D	ATA	Cr	SING C		Duration
Prover v	Drillee Press.	Diff.	Temp.	Press	7	Temp.	Proc		Temp.	0:
CO. Line X	Size p.s.i.g.	h <sub>W</sub>	*F	p.5,1.g	,	٠٢	p.6.i	1	• 7	Flow
5:		<del>i</del>	i	7075	<del></del>					48 Hr
1. 4" x 1.750	760	6.00	90	5990		8.4				2.33%
2. j 4" x 1.750		15.00	90	5382		87				2 "
3. 4" x 1.750		22.00	88	4805		81				2 "
4" x 1.750		38.00	75	3240		82				2 "
5.			11			<u> </u>				<u> </u>
		RATEO	F FLOW	CALCULA	ATION	13	<del></del>		<del></del>	
Coefficient		Pressure	Flow	Temp.	G	ravity	s	uper	Rote	o of Flow
(24 Hour)	→ h <sub>w</sub> P <sub>m</sub>	P <sub>m</sub>	•	actor	F	actor	ĭ	press. or, Ppv		, Meld
				F1,	<del></del>	79 243	<del></del>			200
14.93	68.11	773.2		723		243		064	<del></del>	308
2. 14.93 3 14.93	107.69	773.2		723   741		243 243		0.64 0.66		0.6.8 5.0.5
3.   14.93 4.   14.93	130.00	768.2		859		243		100 270		345
5. !	170.00	700.2		033					<del></del>	
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1.15   55		883 spec	cific Gravity	Flowing F	luid	′ X	XXXX			G MXX
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1.15 53		0.51.0	ical Tomper		372			я	471	R
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Yaca 72		ndonos.								
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peraved by Commissions,	Commercial D	Yı	C	olculated b	y:	<del></del>	Cn	echou ily	;	
and the	Randy	Kiker		Randy	Kike	٠٢ <u>.</u>	1	ROV K	. Vall	a ·



### MULTIPOIN AND ONE POINT BACK PRESSURE : IT FOR GAS WELL

8-21-73 13.801 13,766 3451 GR		
Texas West Oil & Gas Corp. None  Peci Perinter  Antelone Ridge Norrow  Completion Date Patal Legth Plan Back TO Elevation Para 8-21-73 13.801 13,766 3451 GR  Cas. Size 95/8*** 13 Set At 11,930 Parasistance: West		
Completion Date   Point Legith   Print Back TD   Elevation   Point B-21-73   13.801   13,766   3451 GR   Case, Size 95/8***.		6 (4)
Antelope Ridge	,	
Completion Date         Total Legth         Flore Back TD         Elevation         Page 18           8-21-73         13.801         13,766         3451 GR           Cso. Size 05/8Wt         13 [Set At ]1,930 Performance         West		
8-21-73 13.801 13,766 3451 GR	n or Le rie Name	<u></u> -
Car. Size 95/8ht. d   Set At ]1,930Pertorationa:   Well	State 2	•
10.4		
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75/8 33,803 From 33,260 To 33,669 The size Wil d Set Al Perforations: Unit	Soc. 7.	wp. inje
27/8 6.5 2 bh 13,104 from Open anded To K	م الرئيم الم	21: 3
Type well-Single-Bridenhead - G.G. or G.C. Multiple   Fackor Set At   Coun		1/
Duel 13.170	Lea	;
Producing Thru   Reservoir Temp. *F   Moon Annual Temp. *F   Baro, Press P   State		
Thy. 175 3 13,770 NCO 2 NN 2 13.2 Provot Met	New Mexic	20
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13.101 12.101 630	1, 11	ריין
	OATA I	Duration
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6850		72 br
	1	2 hrs
1. 1. x 2" 770 8" 98° 4362 74° 12. 14 x 2" 775 13" 90° 3540 79°		2 hrs
785 19" 83° 2795 81°	<del></del>	2 hrs
. 4 x 2" 795 28" 89° 1546 81°	<del>-     '</del>	1.75
	- <del> </del>  -	
RATE OF FLOW CALCULATIONS		
Coefficient Pressure Flow Temp. Gravity Super	Bate	of Flow
VhwPc Factor Factor Compress.	. 1	Mofd
1 to 1 to 1 to 1	•	
19.81 79.2 783.2 .9868 1.260 1.062	50.	·
19.81 101.2 788.2 .9822 1.260 1.062	26	
19.81 123.2 798.2 .9804 1.260 1.057	32:	
. 19.81 150.4 808.2 .9804 1.260 1.065	394	23
<u></u>		Mci/ool.
P. Temp. 18 7. Gas Liquid Hydrocarbon Ratio Dry	e	Deg.
O. P. Temp. • R T. Z Gas Liquid Hydrocarbon Ratio Dry A.P.1. Gravity of Liquid Hydrocarbons Non	<del></del>	<u> </u>
O. Pr Temp. *8 Tr Z Gas Liquid Hydrocarbon Ratio Dry A.P.1. Gravity of Liquid Hydrocarbons Non Specific Gravity Separator Gas 630	XXXXX	
D. F. Temp. R T. Z Gas Liquid Hydrocarbon Ratio Dry A.P.I. Gravity of Liquid Hydrocarbons Non Specific Gravity Separator Gos 630 1.18 550 1.49 .885 Specific Gravity Flowing Fluid XXXXX	X_X_X X	
Dry    Case Liquid Hydrocarbon Ratio   Dry   A.P.I. Gravity of Liquid Hydrocarbons   Non		P.S.I.A.
Dry   Dry   Dry   A.P.I. Gravity of Liquid Hydrocarbons   Non		P.S.J.A.
Dry    Comp. *8   Tr   Z   Gas Liquid Hydrocarbon Ratio   Dry	.A.	P.S.I.A.
Dry    Continue   Cont	.A. B	R
Dry    Continue   Cont	.A. B	R
Dry    Comp. *8   Tr   Z   Gas Liquid Hydrocarbon Ratio   Dry	.A. B	R
Dry Constitution Region Regio	.A. B	R
Dry Constitution Region Regio	.A. B	R
Dry Constitution Region Regio	.A. B	R
Dry A.P.I. Gravity of Liquid Hydrocarbons Ratio Dry A.P.I. Gravity of Liquid Hydrocarbons Non Non 1.17 558 1.52 .887 Specific Gravity Separator Gos .630  1.18 550 1.49 .886 Specific Gravity Flowing Fluid XXXXX X 1.19 543 1.48 .879 Critical Pressure 670 p.s.i 1.21 549 1.49 .880 Critical Temperature 368  6873.2 $p_c^2$ $h_f^2$ , $2h_f^2$ $p_c^2$	.A. B	R
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	A. R	059
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	.A. B	059
Temp.*R   Non   A.P.I. Grovity of Liquid Hydrocarbons   Non   A.P.I. Grovity of Liquid Hydrocarbons   Non   A.P.I. Grovity of Liquid Hydrocarbons   Non   A.P.I. Grovity Separator Gos   .630	A. R	059
A.P.I. Gravity of Liquid Hydrocarbons Non   1.17 558 1.52 .887   Specific Gravity Separator Gos .630   1.18 550 1.49 .888   Specific Gravity Flowing Fluid XXXXX   Critical Pressure 670   P.S.I.   1.21 549 1.49 .880   Critical Pressure 368    2.6873.2 $e^2$ 47,240.8   Critical Temperature 368   2.6873.2 $e^2$ 47,240.8   2.782 $e^2$ 47,240.8   2.783 $e^2$ 47,240.8   2.783 $e^2$ 47,240.8   2.833.1 8,026.5 30211.8 Aor = 0   3.845 $e^2$ - $e^2$	A. R	059
Pr   Temp.*N   Tr   Z   Gas Liquid Hydrocarbon Ratio   Dry	A. R	059
Dry    Comp.*N   Transport   T	Siope, n	059

TEXAS WEST OIL AND CAS CORIORATIN State 2 No. 2 4-24-34 Lea County, New Mexico August 24, 1973



Solution   Prince	DISTRIBUTION SANTAFE		NEW MEXI	CO OIL CO	NSERVATIO	4 COMMISSIO	N	Form C+10 Revised 1-	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  DEEPEN PLUG BACK  APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  DEEPEN PLUG BACK  APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  DEEPEN PLUG BACK  APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  TO STATE TO STAT									
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK    APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK   APPLICATION FOR PERMIT TO DRILL, DEPEND FOR PERMIT TO DRI	<u> </u>		•					1	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK    Interpret								i	
Description	<u> </u>							TITT	viiniiniiniiniiniiniiniiniiniiniiniiniin
DRILL [X]  DEEPEN DRIVE PLUG BACK POSS   1. Framer Logic Plug Back   2. Framer Logic P		ON FOR PE	RMIT TO DRIL	L, DEEPE	N, OR PLU	G BACK			
S. Proposition   Poss.   Proposition   State   2"    2. Name of Createst  Texas West Oil & Gas Corporation   D. Weil No.    3. Address of Createst  Gog Midland National Bank Bldg Midland, Texas 79701   Antelope Ridge    4. Lecenine dwell will write K   Gestre   1980   Research   Devonian   Research    1980   Posset    3. Asset   Posset   Po	1a. Type of Work							7. Unit Aq	preement Nama
### State   2"  2. Name of Cyrestow  Texas West Oil & Gas Corporation  3. Adverse of Cyrestow  6.09 Midland National Bank Bldg. — Midland, Texas 79701  4. Leccipied West Will state   1980   1	b. Type of Well DRILL [X	]	DEEP	EN 🔲		PLUG	влск 🔲	3 From or	· Legra Name
Texas West Oil & Gas Corporation  7. New of Cyretols  609 Midland National Bank Bldg Midland, Texas 79701 Antelope Ridge  4. Lessines of West Vertices K toesate 1980 received the South to	1 ' 1	j	•-	•	BINGLE (X	] MU	OSS.	ì	
13. Address of Cyrestor  6.09 Midland National Bank Bldg. — Midland, Texas 79701  Antelope Ridge  4. Leceites of Weil  4. Leceites of Weil  6. Leceites  6. Lece		J 0.141	CH	<del></del>	ZONZ L	J	10NG (-5-)		
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The land of the conformation of the second o						YVID			
hereby certify that the information above to the best of my knowledge and bellef.  Signed Out i Will Title Vice-President Date 4/23/73					EXP	RES			
igned Koy K. Valla Title Vice-President Date 4/23/73	H ABOVE SPACE DESCRIBE PRO	POSED PROG	RAMI IP PROPOSAL I	S TO DEEPEN (	OR PLUG BACK,	GIVE DATA ON I	PRESENT PRODU	CYIVE ZONE	AND PROPOSED NEW PRODUC
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(7) the epice for State Use)	igned Koy B.	alla	Title	Vice	-Presid	ent	Dat	c_4/	23/73
	17 te appea for Su	ic Uze)	TO CHARLES AND A STATE OF THE S	CERTIFICATION AND A CONTRACT AND A	ALOND MERCATERS OF				
BROWED BY HIM WILLIAM TIME		Klimie	da		•				
Approved for drilling only. Before production from this well can be	PROVED BY COMMON /	Villy or	Tirb rox bur			ra produc	tion fro	n thin	voll. can be
Shortone of Approved, if ANY approved, either a standard 640 acre unit must be formed, or a Non-Standard Unit Order must be obtained.	MUITIONS OF APPROVAL, IF A	Approv	red, oither	a otanda	rd 640 a	ere unie	must be	formed,	or a

#### OIL CONSERVATION COMMISSION

BOX 1989

HOBBS, NEW MEXICO

Mmocc.

NOTICE OF GAS CONNECTION

DATE Sept. 25, 1973

the	purchase	of gas	from the	Texas West Oil & Gas Corp.	, State 2
				Operator	Lease
#2	(Atoka)	К		2-24-34	, Antelope Ridge (Atoka
	Well 1	Unit		S.T.R.	Pool
				·	ElPaso Natural Gas Co.
	lleter	Code		Site Number	Name of Purchaser

El Paso Natural Gas Company Purchaser

Representative

Gas Production Status Analyst
Title

TRE:bl
cc: To operator
Oil Conservation Commission - Santa Pe
Oil Conservation Commission - Artesia (2)
Proration
T. J. Crutchfield
H. P. Logan
File

•

#### NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

Form C-107 5-1-61

				Can	2 507/	
Cretator		Coun	ly	Date		
Texas West Oil & Gas Co			Lea	27 /	August 1973	
Address 609 Midland Nation				Well No.		
Midland, Texas 797	'01		State "2"		5	
Location		Township	04.0-11	Range		
, <del></del>	2	l	24-South	<del></del>	4-East	
1. Has the New Mexico Oil Conservati zones within one mile of the subject		re authorize NO		on of a well in	these same pools or in the sam	
2. If answer is yes, identify one such	instance: Order No	<del></del> ,	; Operator Leas	e, and Well No.		
	A* 1 .4				l. Dr	
2 (7) (1) (1)					T 120	
3. The following facts are submitted:	Upper Zone		Intermediate Zone	° JU	Lower Zone	
a. Name of Pool and Formation	⊬		ļ	14/	~ Morrow	
b. Top and Bottom of Pay Section	12,407'-12,4	80'	10500000	in /	13,260'-13,699'	
(Perforations)		<del>\</del> \	SIC INTINITY	<del>      -    -    -    -    -    -    - </del>		
d. Method of Production (Oil or Gas)	Gas		,	<del>                                     </del>	Gas	
(Flowing or Artificial Lift)	Flowing	INV	SEP 3 1973	וטוו	Flowing	
4. The following are attached. (Please		<del> }}</del>	134	2440	1 towing	
-			CONSERVATION C	Olivarii		
Yes   No.	, of the Multiple Complet	OII ivoda oolu	Santa to	actudina diamer	ers and secting depths, central-	
izers and/or turboliz	ers and location thereof.	, quantitie:	s used and top of cemen	t, periorated into	ervals, tubing strings, including	
					nformation as may be pertinent.	
b. Plat showing the loc	ation of all wells on apparent	plicant's le 's lease.	ease, all offset wells of	n offset leases,	, and the names and addresses	
C. Waivers consenting		ion from e	ach offset operator, or in	n lieu thereof, e	vidence that said offset opera-	
M	well or other acceptable	c los with	tops and bottoms of pro- application is filed it:	oducing zones a shall be submitt	and intervals of perforation in- ed as provided by Rule 112-A.)	
5. List all offset operators to the lease						
				-		
Shell Oil Company - F	. O. BOX 1909 -	Vitalai	<u>10, lexas /9/01</u>	L		
Aztec Oil & Gas Compa	any - 2000 First	Nation	al Bank Building	g - Dallas.	Texas 75202	
Penroc Oil Corporatio	n – 310 West Te	xas - N	idland, Texas	79701		
Kewanee Oil Company	- P. O. Box 185	9 - Mi	dland, Texas 79	701·		
6. Were all operators listed in Item 5 al	bove notified and furnish	ed a copy	of this application? YI	es_X_no_	If answer is yes, give	
date of such notification 27 At	ugust 1973		•			
CERTIFICATE: I, the undersigned, Corporation (co	state that I am the Op	eration			that this report was prepared	
under my supervision and direction and t	hat the facts stated there	in are true	, correct and complete to	o the best of	DCKET MAILED	
		<b>*****</b>	Koy K. Val	la Do	te 9-21-73	
		Ro	y K. Walla	Signatura		
Set 11 1 6 11			administrative approval	the New Mari	co Oil Conservation Commis-	

\*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hald the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

en de la companya de		35		
Ma	T-23-S, R-34-E T-24-S, R-34-E	Aztec Oil & Gas Co. Texas West Oil 2		
and give	Shell Oil Co.	€ Gas Corp.	Kevaree Oil Co.	
AND THE STREET S	3	2 Atoka Morrow		
\$ 17.00 S		Penroc Oil Corp.		
And District to commence of the control of the cont		TEXAS WEST OIL & Antelope R Lea County,	GAS CORPORATION idge Field New Mexico	
		Crock	507/	

### NEW MEXICO OIL CONSERVATION COMMISSION OIL AND GAS DIVISION

Form W-4A (Rov. 8-27-69)

### SKETCH OF MULTIPLE COMPLETION INSTALLATION WITH TUBING INSIDE CASING

	(Fill ou	only the side of this form that applies to you	
i. Picia Name	ntelope Ridge		2. Six miner NMOCC
3. Operator	WEST OIL & GAS	CORPORATION	4. County Lea
5. Leuse Name(a) ax	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	State "2"	6. Well Number 2
7. Type of Multiple C Dual	Completion - dual, triple, etc.	8. Which sketch below (A, B, C, or D) fits you multi-completion installation?	ur 9. Duto
Sketch A	8	·.C D	
	HILL A MARKET TO THE STATE OF T	(2) (3) (4) (4) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	Packer set at
		Pert 7-	o Interval to
iGTE: Clearly mark any Side Door Chake	Nlaws	or Chokes and show depth at which sut.	Packer set at None (I., String No.

#### - INSTRUCTIONS FOR SIDE 1 -

<sup>1.</sup> Fill our only the side of this form that applies to your multiple completion installation. This side may be used for a dual, triple, or quadruple completion. If none of the sketches fits your installation, draw your installation on an attached sheet showing the identical required information.

<sup>).</sup> If this side of the form is used, two copies of Form W-S, PACKER SETTING REPORT (for each packer set); two copies of Form W-S, COMMUNICATION OR PACKER LEAKAGE TEST; on Fluctrical Log; and two copies of this form must be filed with the two copies of Form W-4, APPLICATION FOR MULTIPLE COMPLETION, in the RRC District Office.

Que 507/



#### TEXAS WEST OIL & GAS CORPORATION

600 MIDLAND NATIONAL PANK BUILDING MIDLAND, TEXAS 79701 **DECIENVE**| (3-23-23)

1. N. DUNNAVANT, President

(915) 084-5830

DISTRICT OFFICE: Lafayette, Louisiana 70501 F. L. Dischler, Manager Oil Center Station, Box 52332 (318) 232-3387

27 August 1973

Shell Oil Company P. O. Box 1509 Midland, Texas 79701

Aztec Oil & Gas Company 2000 First National Bank Building Dallas, Texas 75202 Attention: Mr. Joe Starks

Penroc Oil Corporation 310 West Texas Midland, Texas 79701

Kewanee Oil Company P. O. Box 1859 Midland, Texas 79701 REGEIVED

EXAS WEST OIL & GAS CORP.

Re: Texas West Oil & Gas Corporation's State "2" #2, 1980' FS & WL's of Section 2, T-24-S, R-34-E, Lea County, New Mexico, Antelope Ridge Field, Dual Completion Waiver Letter.

Gentlemen:

Attached please find a copy of the New Mexico Oil Conservation Commission Form C-107 "Application for Multiple Completion" for the proposed dual completion of subject well.

If you have no objection to this application, please indicate your approval by executing this Waiver Letter in the space provided for that purpose and return two copies to this office at your earliest convenience.

West of GA

AUG 2 9 197

Case 507/

Shell Oil Company Aztec Oil & Gas Company Penroc Oil Corporation Kewanee Oil Company 8/27/73

Page Two

Yours very truly,

TEXAS WEST OIL & GAS CORPORATION

Roy K. Valla Operations Manager

RKV:aa

Attachment

APPROVED THIS 28 DAY OF Myust, 1973.				
SHELL OIL COMPANY				
BY:				
AZTEC OIL & GAS COMPANY				
BY:				
PENROC OIL CORPORATION				
KEWANEE OIL COMPANY				

dr/

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE No. 5071 Order No. R-4644

APPLICATION OF TEXAS WEST OIL & GAS CORPORATION FOR A DUAL COMPLETION, LEA COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 3 , 1903, at Santa Fe, New Mexico, before Examiner Richard L. Stamets

day of October , 1963 , the Commission, NOW, on this\_\_\_\_ a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

#### FINDS:

- (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 applicant, Texas West Oil & Gas Corporation seeks authority to complete its \_\_\_\_State "2" Well No.  $\frac{2}{}$ , located in Unit  $\frac{K}{}$  of Section  $\frac{2}{}$ , Township Range 34 East, NMPM, Lea County, New (conventional) (combination) to produce gas
  (tubingless) field que completion

from the Atoka and Morrow formations through parallel strings of 2 %-inch

set at approximately 12,250

- (3) That the mechanics of the proposed <u>dual</u> completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent waste and protect correlative rights.

### IT IS THEREFORE ORDERED:

(1) That the applicant, Texas West Oil & Gas Corporation
is hereby authorized to complete itsState "2"
Well No. $\frac{2}{}$ , located in Unit $\frac{K}{}$ of Section $\frac{2}{}$ , Township
24 South Range 34 East NMPM, Lea County, New
Mexico, as a dual completion (conventional)  in the 17n to lope Ridge (tubingless)  Atoka and Morrow formations through parallel strings of Atubing
Atoka and Morrow formations through parallel strings of tubing
with packers set at approximately  12,250 feet and 13,190 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Gos Well Shulf-In Pressure

Cas-VII Ratio Test Period for the Providence Pool.

Deliverability

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-