

OIL CONSERVATION COMMISSION
1000 Rio Brazos Rd.
Aztec, New Mexico

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 7-31-69

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ✓

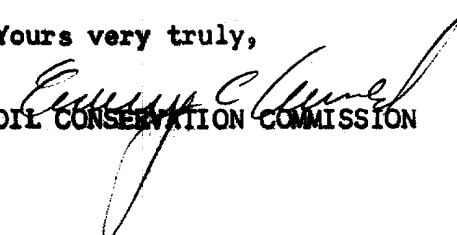
Gentlemen:

I have examined the application dated 7-29-69

for the Aztec Oil & Gas Co. Patterson #41 0 2 31N12W
Operator. Lease and Well No. S-T-R

and my recommendations are as follows:

Yours very truly,


OIL CONSERVATION COMMISSION

PRENTICE WATTS
VICE PRESIDENT
PRODUCTION

AZTEC OIL & GAS COMPANY
2000 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202

July 29, 1969



New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.
Secretary-Director

RE: Application for Dual Completion
Aztec Oil & Gas Company
Patterson #1
SW SE Section 2-31N-12W
San Juan County, New Mexico

Gentlemen:

In accordance with provisions of Rule 112-A, we are transmitting herewith, in quadruplicate, Aztec Oil & Gas Company's Application for Administrative Approval to dually complete our Patterson #1 well in the Blanco Mesaverde and Basin Dakota gas pools. A plat of the lease and diagram of the proposed installation is attached to the Application. Two copies of the electric logs were furnished to the Oil Commission Office in Aztec, New Mexico.

Each offset operator is being furnished copies of our Application together with waivers requesting their consent to this proposed dual completion.

Your review and approval of our Application will be appreciated.

Very truly yours,


Prentice Watts

PW:bjr

Attachments

cc: New Mexico Oil Conservation Commission - Aztec ✓
Each Offset Operator

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Basin - Blanco			County San Juan	Date July 29, 1969
Operator Aztec Oil & Gas Company		Lease Patterson		Well No. 1
Location of Well 0	Unit 0	Section 2	Township 31N	Range 12W

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X * (Yes within 1-1/2 mile)
2. If answer is yes, identify one such instance: Order No. MC 1846; Operator, Lease, and Well No.:
Aztec Oil & Gas Co. - Moore #1, Unit H, Sec. 35-32N-12W

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Blanco Mesaverde	Basin Dakota
b. Top and Bottom of Pay Section (Perforations)	5052-5174	7295-7427
c. Type of production (Oil or Gas)	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow

4. The following are attached. (Please mark YES or NO)

- X a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- X b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- X c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application. *
- X d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

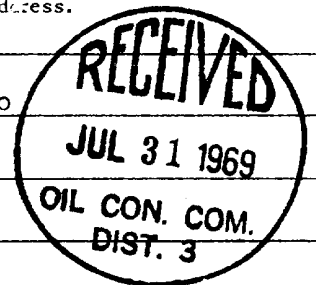
5. List all offset operators to the lease on which this well is located together with their correct mailing address.

El Paso Natural Gas Company - P. O. Box 1492, El Paso, Texas

Pubco Petroleum Corporation - P. O. Box 869, Albuquerque, New Mexico

Sunset International - 2400 Fidelity Union Tower, Dallas, Texas

Tenneco Oil Company - 1200 Lincoln Tower, Denver, Colorado



6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO ____ . If answer is yes, give date of such notification July 29, 1969 .

CERTIFICATE: I, the undersigned, state that I am the Vice President of the Aztec Oil & Gas Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Prentice Watts
Signature

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

AZTEC OIL & GAS COMPANY

2000 FIRST NATIONAL BANK BUILDING

DALLAS, TEXAS 75202

PRENTICE WATTS
VICE PRESIDENT
PRODUCTION

July 29, 1969

CERTIFIED MAIL
Return Receipt Requested

Sunset International Petroleum Corporation
2400 Fidelity Union Tower
Dallas, Texas 75201

RE: Application for Dual Completion
Aztec Oil & Gas Company
Patterson #1
SW SE Section 2-31N-12W
San Juan County, New Mexico

Gentlemen:

Please find enclosed Aztec Oil & Gas Company's Application for Administrative Approval to dually complete our Patterson #1 well in the Blanco Mesaverde and Basin Dakota gas pools. Also, we are enclosing a waiver of objection. If you have no objection to this dual completion, please execute the waiver and forward one copy to the New Mexico Oil Conservation Commission and a copy to this office.

Very truly yours,

Prentice Watts

FW:bjr

Encls.

cc: New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico
Attention: Mr. A. L. Porter, Jr.

AZTEC OIL & GAS COMPANY

2000 FIRST NATIONAL BANK BUILDING

DALLAS, TEXAS 75202

PRENTICE WATTS
VICE PRESIDENT
PRODUCTION

July 29, 1969

CERTIFIED MAIL
Return Receipt Requested

Pubco Petroleum Corporation
Post Office Box 869
Albuquerque, New Mexico

RE: Application for Dual Completion
Aztec Oil & Gas Company
Patterson #1
SW SE Section 2-31N-12W
San Juan County, New Mexico

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2000 FIRST NATIONAL BANK BUILDING

DALLAS, TEXAS 75202

PRENTICE WATTS
VICE PRESIDENT
PRODUCTION

July 29, 1969

CERTIFIED MAIL

Return Receipt Requested

El Paso Natural Gas Company
Post Office Box 1492
El Paso, Texas 79999

RE: Application for Dual Completion
Aztec Oil & Gas Company
Patterson #1
SW SE Section 2-31N-12W
San Juan County, New Mexico

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Attention: Mr. A. L. Porter, Jr.

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DALLAS, TEXAS 75202

PRENTICE WATTS
VICE PRESIDENT
PRODUCTION

July 29, 1969

CERTIFIED MAIL
Return Receipt Requested

Tenneco Oil Company
1200 Lincoln Tower
Denver, Colorado

RE: Application for Dual Completion
Aztec Oil & Gas Company
Patterson #1
SW SE Section 2-31N-12W
San Juan County, New Mexico

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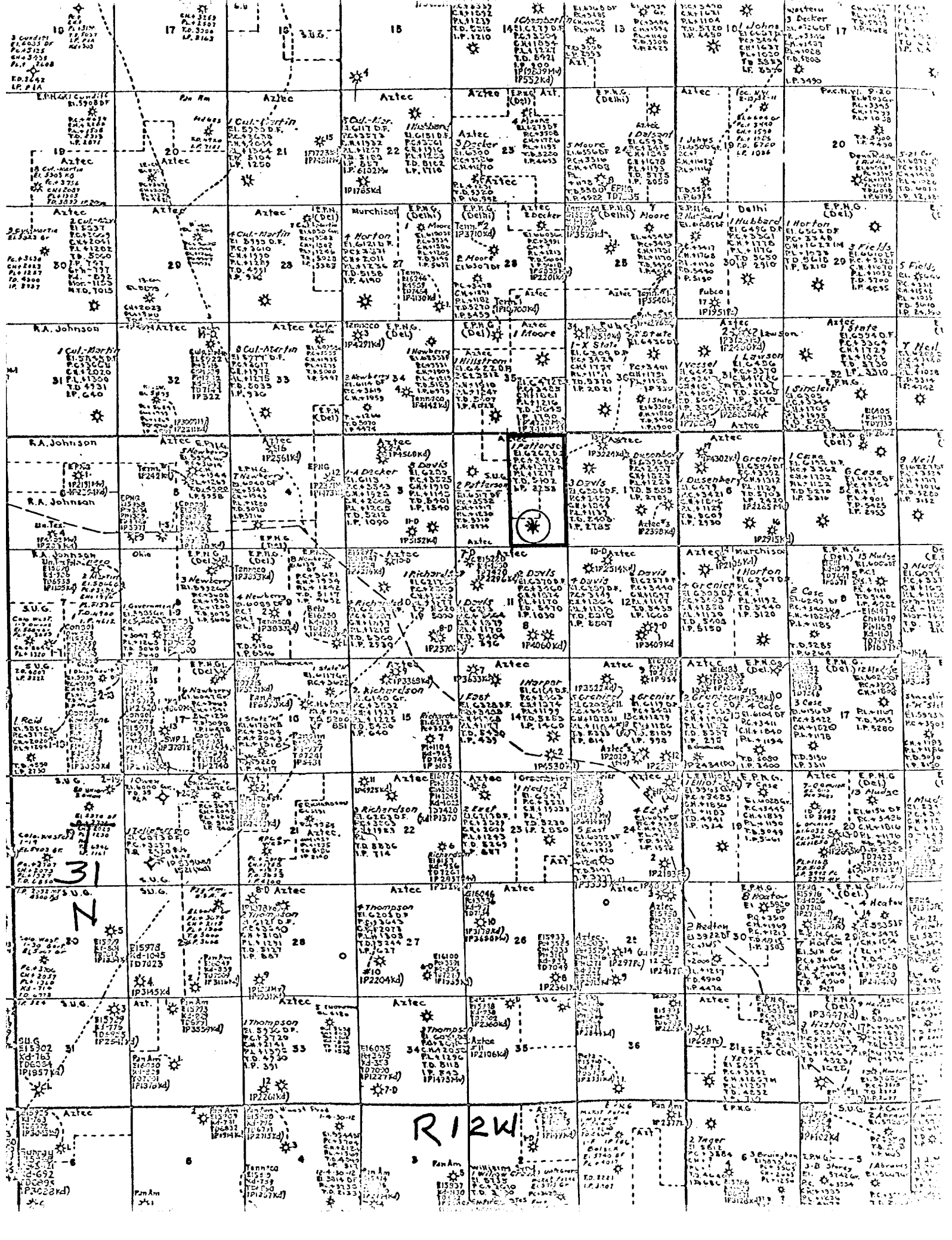
Very truly yours,

Prentice Watts

PW:bjr

Encls.

cc: New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico
Attention: Mr. A. L. Porter, Jr.



Aztec Oil & Gas Company
Diagrammatic Sketch Showing
Dual Completion
Patterson #1
Unit O, Section 2-31N-12W
San Juan County, New Mexico

Casing - 9-5/8" set at 210' w/100 sxs.
Cement circulated.

Casing - 7" set at 5057' w/225 sxs. Top
cement 3860'.

Perforated squeeze holes and squeezed to
2000 psi with 600 sxs cement in two stages.

Mesaverde Perforations:

5052-68
5080-5104
5120-48
5168-74

Tubing - 1-1/2" landed in packer 7260

Sliding sleeve at 7258

Baker Model D packer set at 7260

Dakota Perforations:

7295-7307
7311-21
7381-7427

PBTD 7466.

TD 7490

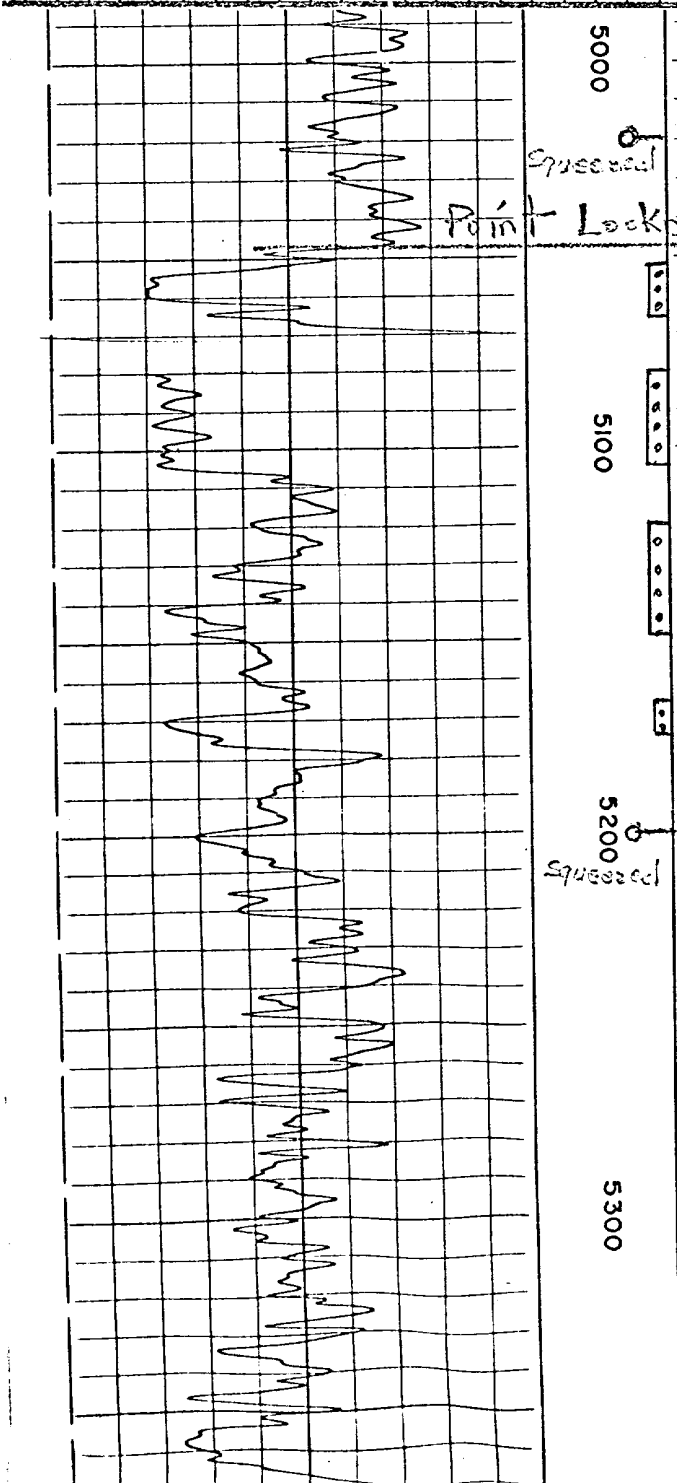
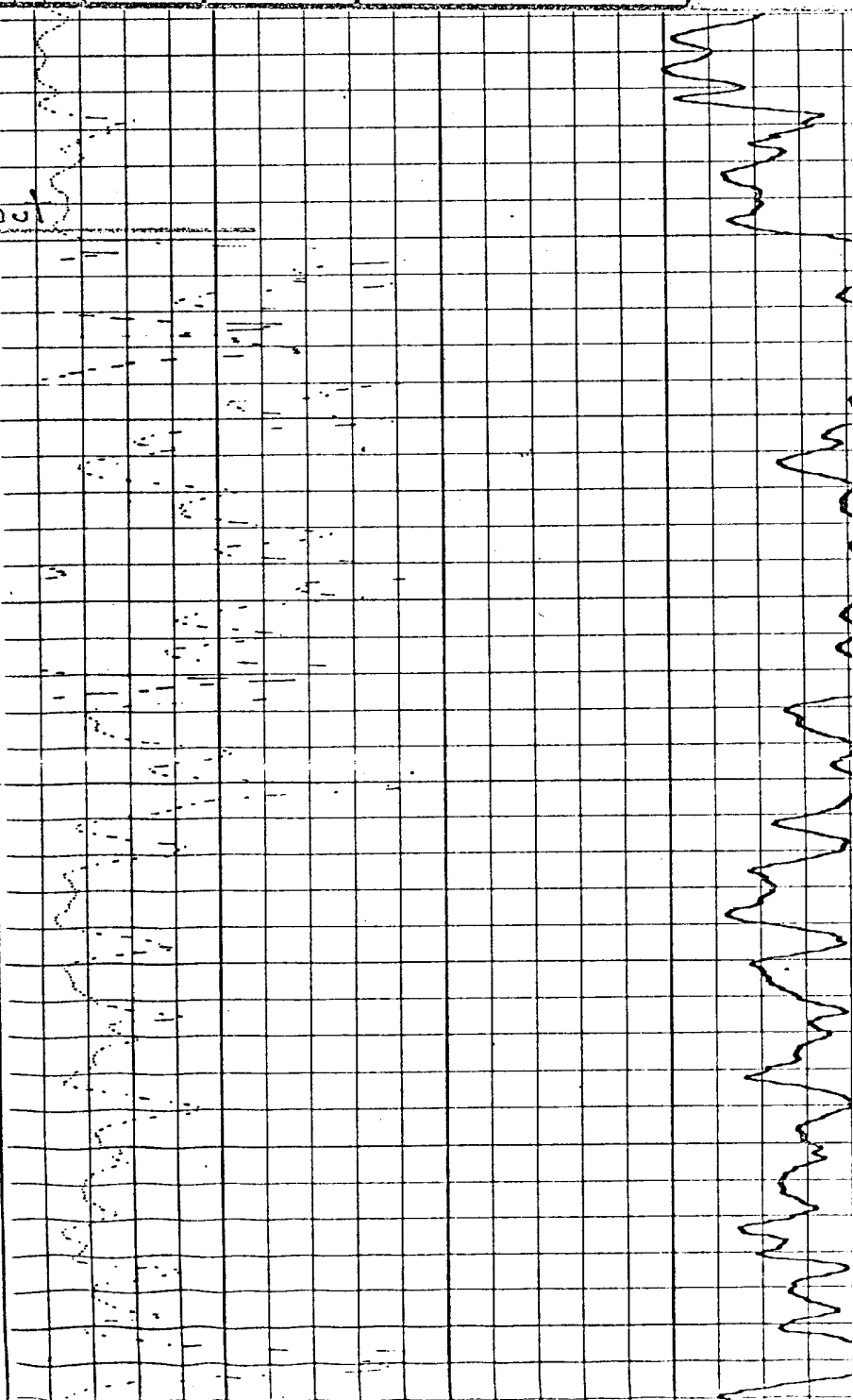
Casing - 4-1/2" set at 7490' w/210 sxs.
Top cement 4890

[illegible]

LOCATION BASIN DAKOTA	
WELL PATTERSON #1	
COMPANY AZTEC OIL & GAS	
Sec. 2	Twsp. 31N Rge. 12W
LOCATION 990' S 1650' E	
COUNTY SAN JUAN	STATE NEW MEXICO
FIELD BASIN DAKOTA	
WELL PATTERSON #1	
COMPANY AZTEC OIL & GAS COMPANY	
Other Services:	
FDC-GR	

parent Datum: GL, Elev. 6254
 Measured From KB, 12 Ft. Above Perm. Datum
 Measured From KB
 Elev.: K.B. 6266
 D.F. 6265
 G.L. 6254

No.		7-17-69				
Sh—Driller	ONE	7480				
Sh—Logger		7490				
Log Interval		7482				
Log Interval		4818				
Log—Driller	7"	@ 4810	@		@	@
Log—Logger	4818					
Size	6 1/4					
Fluid in Hole	GAS					
Visc.	-					
Fluid Loss	-	- ml	ml	. ml		
Force of Sample	-					
@ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F	@ °F	@ °F
@ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F	@ °F	@ °F
@ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F	@ °F	@ °F
Coeff. R _{m1} R _{m2}	- -					
@ BHT	- @ - °F	@ °F	@ °F	@ °F	@ °F	@ °F
Since Circ.	8 HOURS					
Rec. Temp.	190 °F	°F	°F	°F	°F	°F
Loc. Location	3860 FARM,	.				
Recorded By	RUSEN					
Checked By	MRS MILLER	*				



INDUCTION - GAMMA RAY LOG

COUNTY		FIELD or LOCATION		BASIN DAKOTA	
WELL		PATTERSON #1			
COMPANY AZTEC OIL & GAS					
COMPANY		AZTEC OIL & GAS COMPANY			
WELL		PATTERSON #1			
FIELD		BASIN DAKOTA			
COUNTY		SAN JUAN		STATE	
LOCATION		990' S		1650' E	
Sec. 2		Twp. 31N		Rge. 12W	
Other Services:		FDC-GR			

Permanent Datum: GL, Elev. 6254
 Measured From KB, 12 Ft. Above Perm. Datum
 Measured From KB
 Elev.: K.B. 6266
 D.F. 6265
 G.L. 6254

Date									
Run No.	7-17-69								
Ceph—Driller	ONE								
Ceph—Logger	7480								
m. Log Interval	7482								
App Log Interval	4818								
Masing—Driller	7" @ 4810	@				@		@	
Masing—Logger	4818								
Bit Size	6 1/4								
Type Fluid in Hole	GAS								
Dens.	-								
Visc.	-								
pH	-								
Fluid Loss	- ml				ml				ml
Source of Sample	-								
R _m @ Meas. Temp.	@ - °F	@			°F	@		°F	@
R _{ml} @ Meas. Temp.	@ - °F	@			°F	@		°F	@
R _{mc} @ Meas. Temp.	@ - °F	@			°F	@		°F	@
Source R _{ml} R _{ms}	- -								
BHT	- @ - °F	@			°F	@		°F	@
Time Since Circ.	8 HOURS								
Pore Temp.	190 °F				°F			°F	°F

