

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY SAN JUAN, NEW MEXICO
FIELD or LOCATION ANGEL PEAK (DAKOTA)
WELL SCHLOSSER FEDERAL #1
COMPANY WESTERN NATURAL GAS COMPANY

COMPANY WESTERN NATURAL
GAS COMPANY
WELL SCHLOSSER
FEDERAL #1
FIELD ANGEL PEAK DAKOTA
LOCATION SEC. 10-27N-11W
COUNTY SAN JUAN
STATE NEW MEXICO

Other Surveys
SL

Location of Well

790' FR N/L
1980' FR W/L
SEC. 10-27N-11W

Elevation: D.F.:
K.B.: 6262
or G.L.: 6249

FILING No. _____

RUN No.	ONE				
Date	10-26-59	<div style="border: 1px solid black; padding: 5px;"> <p>BEFORE EXAMINER NUTT</p> <p>OIL CONSERVATION COMMISSION</p> <p>EXAMINER NO. 4</p> <p>CASE NO. 1845</p> </div>			
First Reading	6822				
Last Reading	197				
Feet Measured	6625				
Csg. Schlum.	197				
Csg. Driller	193				
Depth Reached	6828				
Bottom Driller	6827				
Depth Datum	KB				
Mud Nat.	GEL CHEM				
Dens. Visc.	9.5 64				
Mud Resist.	2.0@ 79 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.2@ 135 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.2@ 135 °F	@ °F	@ °F	@ °F	@ °F
Rmc	1.0@ 135 °F	@ °F	@ °F	@ °F	@ °F
" pH	9.0@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	5.8 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4				
Spcgs.—AM	16"				
MN					
IND.	40"				
Opr. Rig Time	2 HOURS				
Truck No.	1588 FARM				
Recorded By	HANDLEY				
Witness	MR. BLACKMAN				

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

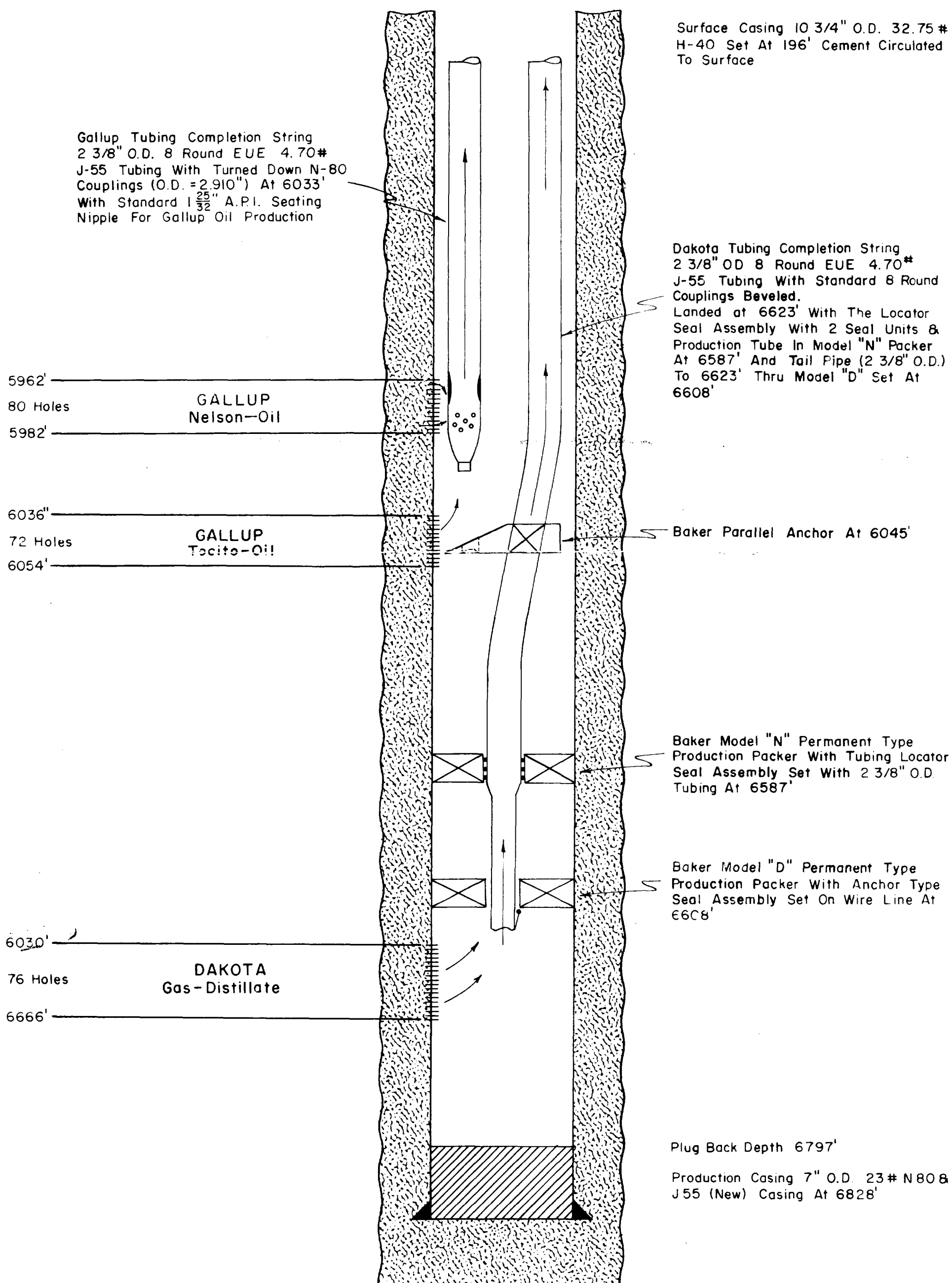


Sonic Log

COUNTY <u>SAN JUAN, NEW MEXICO</u> FIELD or LOCATION <u>ANGEL PEAK DAKOTA</u> WELL <u>SCHLOSSER FEDERAL #1</u> COMPANY <u>WESTERN NATURAL GAS</u> COMPANY <u>WESTERN NATURAL GAS</u>	COMPANY <u>WESTERN NATURAL</u> <u>GAS COMPANY</u>	Other Surveys <u>I-ES</u> Location of Well <u>790' FR N/L</u> <u>1980' FR W/L</u> <u>SEC. 10-27N-11W</u> Elevation: K.B.: <u>6262</u> D.F.: <u> </u> or G.L.: <u>6249</u>
	WELL <u>SCHLOSSER</u> <u>FEDERAL #1</u>	
	FIELD <u>ANGEL PEAK DAKOTA</u>	
	LOCATION <u>SEC. 10-27N-11W</u>	
	COUNTY <u>SAN JUAN</u> STATE <u>NEW MEXICO</u>	

Log Depths Measured From		KB	Ft. above	
RUN No.	ONE			
Date	10-26-59			
First Reading	6824			
Last Reading	50			
Feet Measured	6774			
Csg. Schlum.	197			
Csg. Driller	193			
Depth Reached	6828			
Bottom Driller	6827			
Mud Nat.	GEL CHEM			
Dens.	Visc.	9.5	64	
Mud Resist.	2.0	@	79 °F	@ °F
" Res. BHT	1.2	@	135 °F	@ °F
" pH	9.0	@	°F	@ °F
" Wtr. Loss	5.8	CC 30 min	CC 30 min	CC 30 min
" Rmf	1.2	@	135 °F	@ °F
Bit Size	8 3/4"			
Span:				
3'	SUR	To TD	To	To
		To	To	To
Opr. Rig Time	2 1/2 HOURS			
Truck No.	1588 FARM			
Recorded By	HANDLEY			
Witness	MR. BLACKMAN			

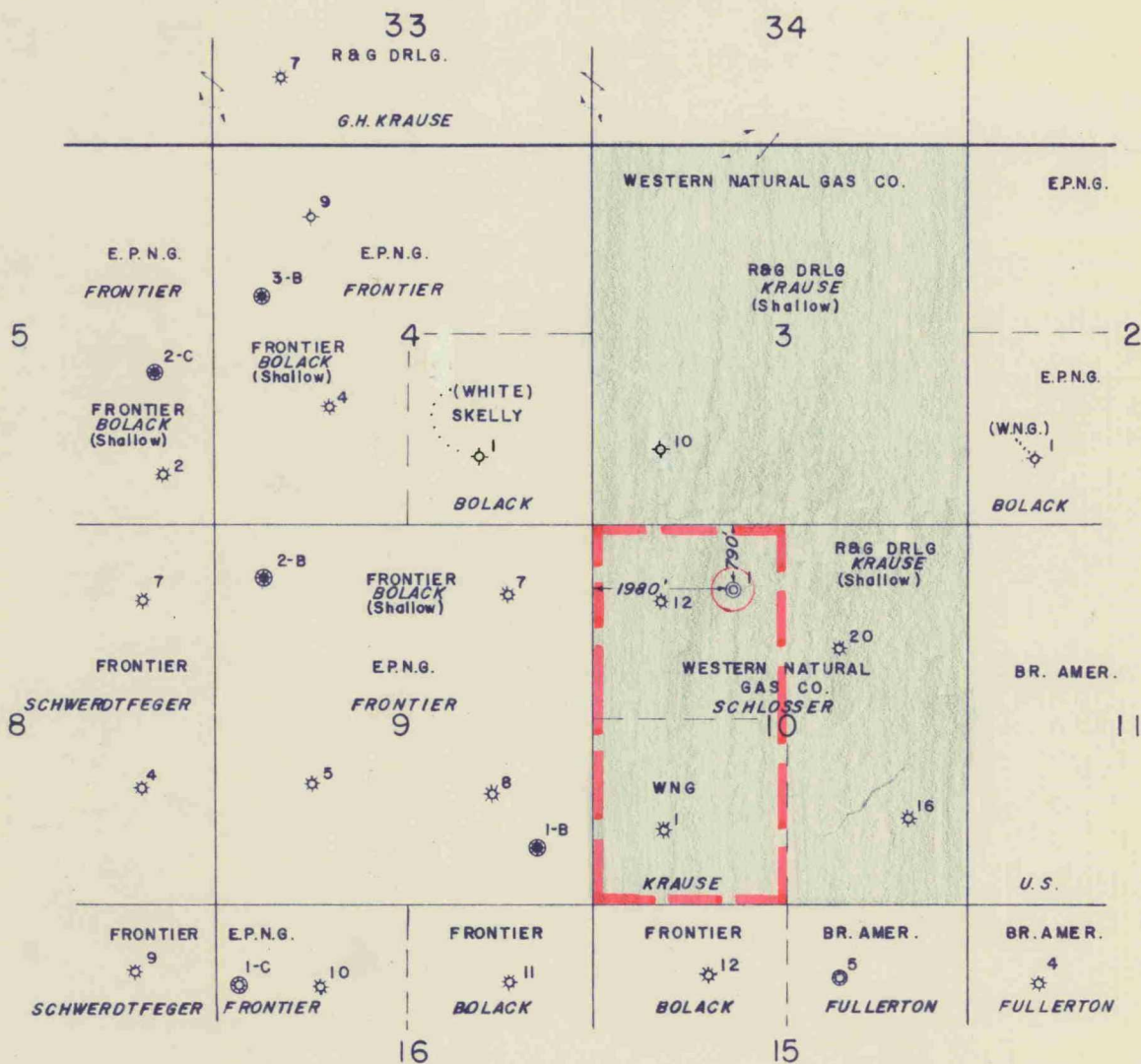
**Diagrammatic Sketch Of Proposed Dual Completion
Of Western Natural Gas Company's
Bonnie C. Schlosser Federal #1
Loc. 790' From The North Line and 1980' From West Line Of
Sec. 10 T-27-N R-11-W N.M.P.M.
San Juan County, New Mexico S.F.-078673**



WESTERN NATURAL GAS COMPANY
 BONNIE C. SCHLOSSER FEDERAL #1

SEC 10 T-27-N R-11-W N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO S.F. 078673

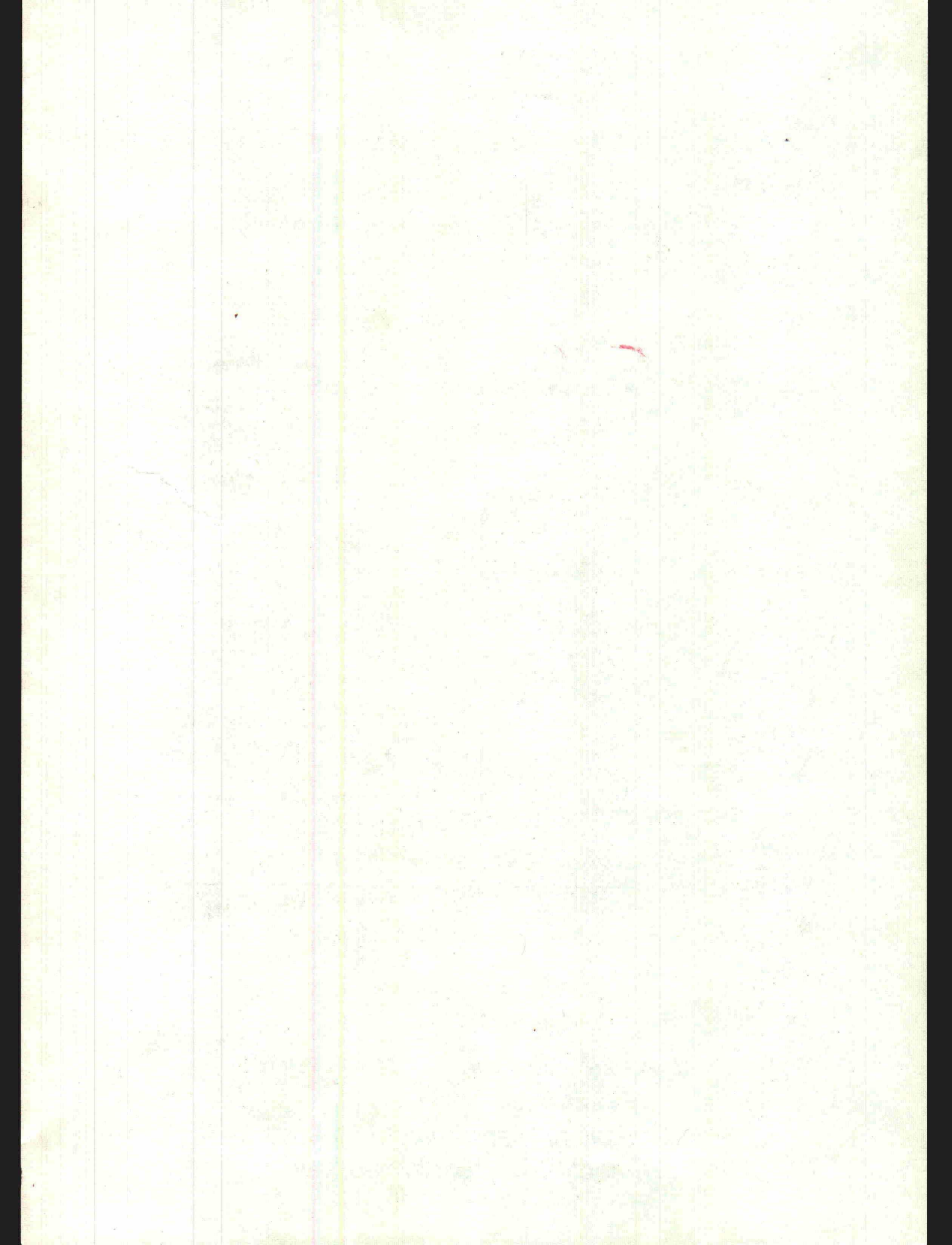


☆ - PICTURED CLIFF (Shallow)

◎ - GALLUP AND BELOW

BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 1
 CASE NO. _____

SCALE: 2" = 1 MILE



WESTERN NATURAL GAS COMPANY
 BONNIE C. SCHLOSSER FEDERAL #1
 LOC. 790' FROM NORTH LINE & 1980' FROM WEST LINE
 SEC. 10 T-27-N R-11W N.M.P.M.
 SAN JUAN COUNTY, NEW MEXICO S.F.-078673
 DIAGRAMMATIC SKETCH OF PROPOSED OIL-GAS DUAL COMPLETION
 SHOWING SINGLE-PACKER, FULL OPENING PARALLEL STRING HOOK-UP,
 WITH SHORT STRING SUSPENDED.

(NOTE: All measurements are approximate
 and not to scale.)

SURFACE CASING 10 3/4" O.D. 32.75#
 H-40 SET AT 196' CEMENT CIRCULATED
 TO SURFACE.

BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
 CASE NO. 1845
 EXHIBIT NO. 3

5962' GALLUP
 80 HOLES
 5982' NELSON-OIL

GALLUP TUBING COMPLETION STRING 2 3/8"
 O.D. 8 ROUND EUE 4.70# J-55 TUBING WITH
 TURNED DOWN N-80 COUPLINGS (O.D. = 2.910")
 AT 6033' WITH STANDARD 1-25/32" A.P.I.
 SEATING NIPPLE FOR GALLUP OIL PRODUCTION
 AT 6025'

Expand 1475#
 P.M.P.

41° GN

6036' GALLUP
 72 HOLES
 6054' TOCITO-OIL

BAKER PARALLEL ANCHOR AT 6045'

BAKER MODEL "N" PERMANENT TYPE PRODUCTION
 PACKER WITH TUBING LOCATOR SEAL ASSEMBLY
 SET WITH 2 3/8" O.D. TUBING AT 6587'

✓ DAKOTA TUBING COMPLETION STRING
 2 3/8" O.D. 8 ROUND EUE 4.70# J-55 TUBING
 WITH STANDARD 8 ROUND COUPLINGS
 BEVELED.
 LANDED AT 6623' WITH THE LOCATOR
 SEAL ASSEMBLY WITH 2 SEAL UNITS &
 PRODUCTION TUBE IN MODEL "N" PACKER
 AT 6587' AND TAIL PIPE (2 3/8" O.D.)
 TO 6823' THRU MODEL "D" SET AT 6808'

BAKER MODEL "D" PERMANENT TYPE PRODUCTION
 PACKER WITH ANCHOR TYPE SEAL ASSEMBLY SET
 ON WIRE LINE AT 6608'

9004.
 50 0610

-384' (6646)
 P.M.A. 2408

this packer is
 probably no good
 slips are damaged

6630' DAKOTA
 76 HOLES
 6666' GAS-DISTILLATE

PLUG BACK DEPTH -6797'
 PRODUCTION CASING 7" O.D. 23# N-80 &
 J-55 (New) CASING AT 6828'

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

EXAMINED BY: 7-3-58
 CASE NO. 184-2

Field Name Undesignated Dakota Gas & Undesignated Gallup Oil		County San Juan		Date 12-30-59
Operator Western Natural Gas Company		Lease Bonnie C. Schlosser-Federal		Well No. 1
Location of Well	Unit C	Section 10	Township 27-N	Range 11-W

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 ☐
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

El Paso Natural Gas Products Company #1-B Frontier, Section 9, Twp-27-N, Rge-11-W

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	5962-5982 Nelson-Oil 6036-6054 Tocito-Oil	6630-6666 Dakota
c. Type of production (Oil or Gas)	Oil	Gas - Distillate
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow

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

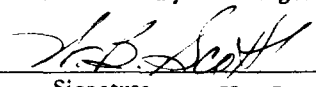
- Yes** a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes** 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.
- No** 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.*
- Yes** 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.

<u>El Paso Natural Gas Products Company</u>	<u>Box 1161, El Paso, Texas</u>
<u>British American Oil Company</u>	<u>Box 655, Farmington, New Mexico</u>
<u>Skelly Oil Company</u>	<u>211 1/2 W. Main, Farmington, New Mexico</u>
<u>El Paso Natural Gas Company</u>	<u>Box 997, Farmington, New Mexico</u>

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☒. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the **Petroleum Engineer** of the **Western Natural 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.


 Signature **W. B. Scott**

- * 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.