

# 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;">                 BEFORE EXAMINER NUTTE                  OIL CONSERVATION COMMISSION                  4/1/60 EXAMINER NO. 4                  CASE NO. 1845             </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 @ 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

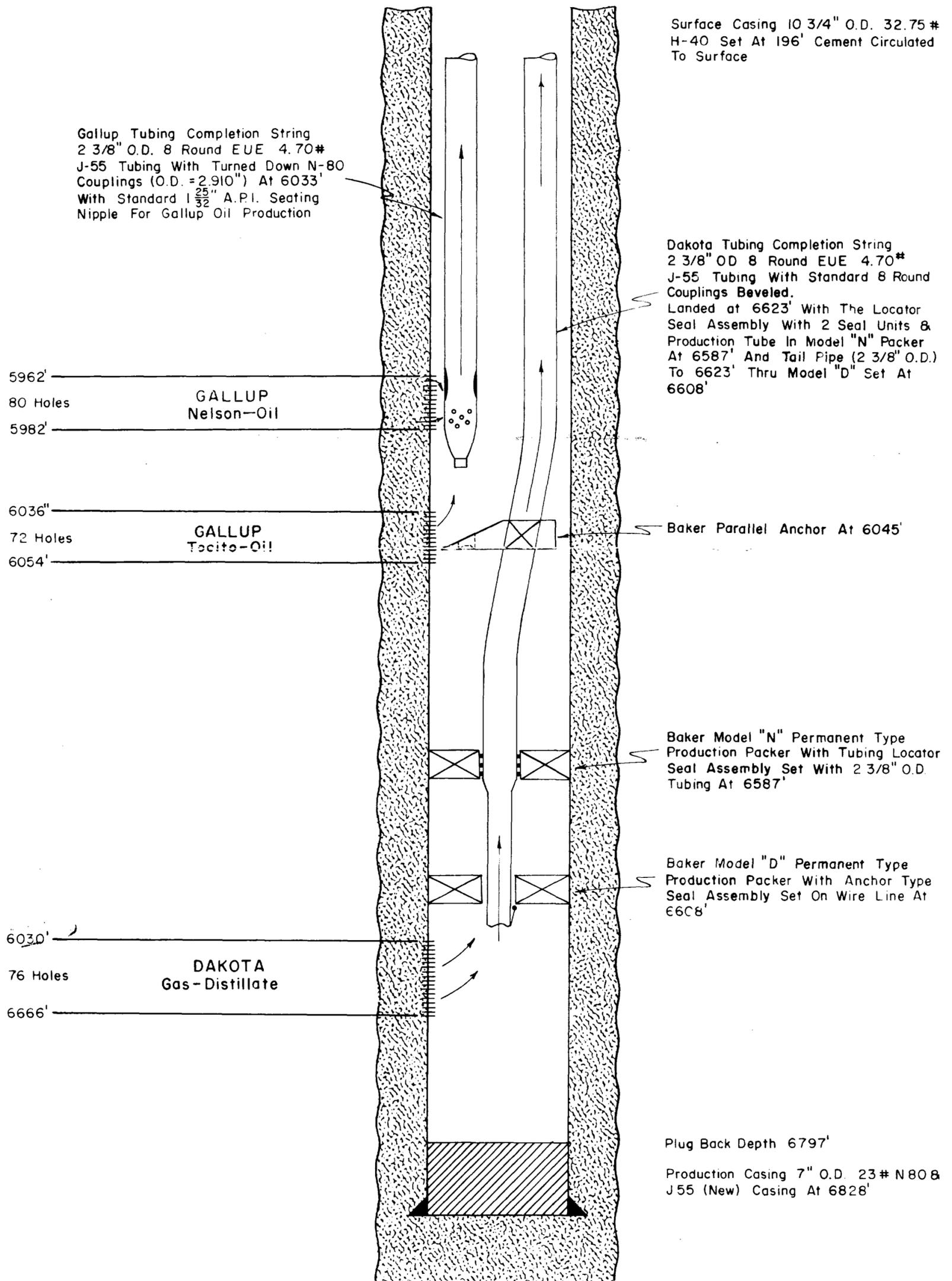


## Sonic Log

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 COMPANY</u>	COMPANY <u>WESTERN NATURAL 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.: _____ or G.L.: <u>6249</u>
	WELL <u>SCHLOSSER 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	@ °F
" Res. BHT	1.2	@ 135 °F	@ °F	@ °F
" pH	9.0	@ °F	@ °F	@ °F
" Wtr. Loss	5.8	CC 30 min	CC 30 min	CC 30 min
" Rmf	1.2	@ 135 °F	@ °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			

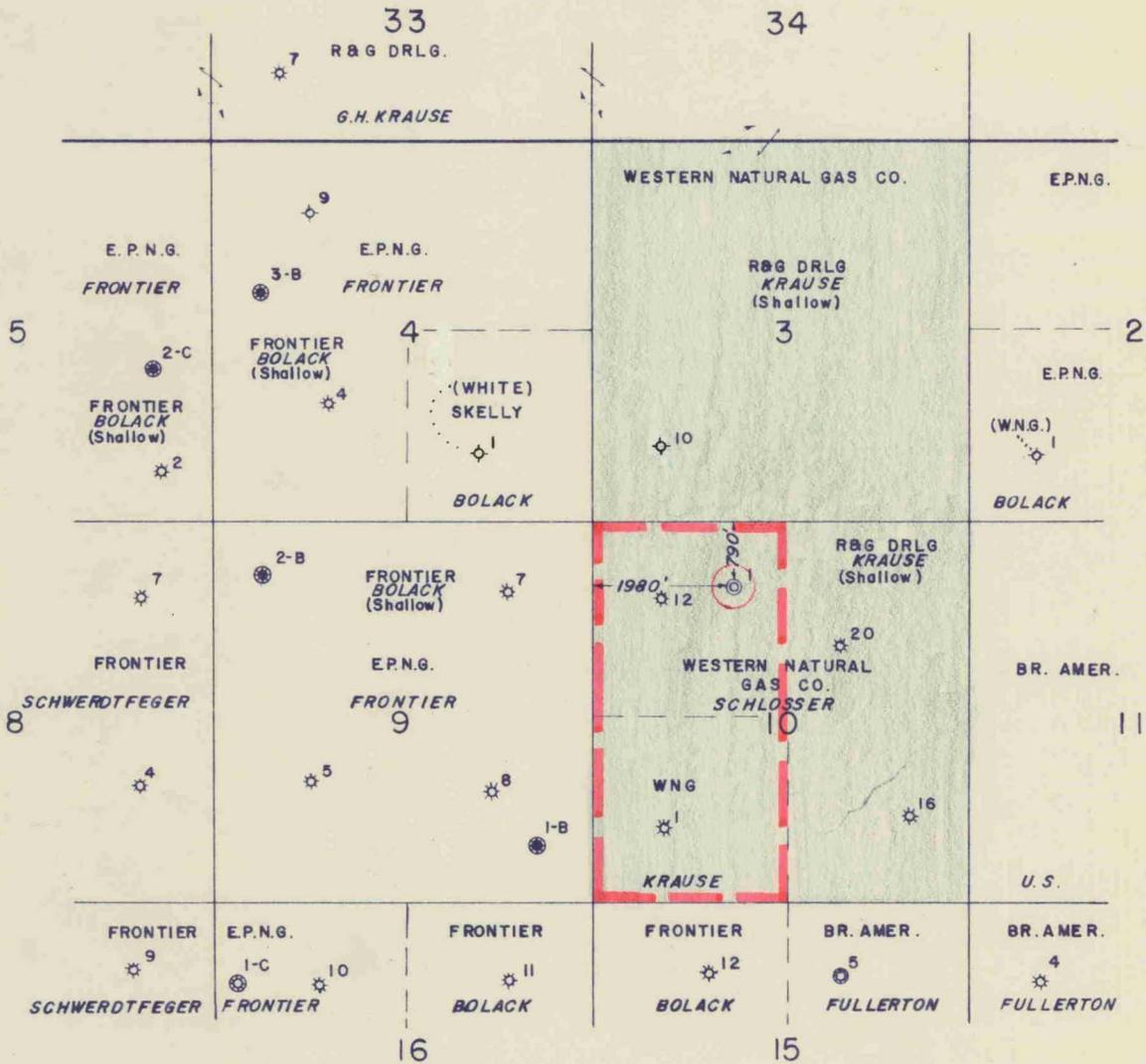
**Diagrammatic Sketch Of Proposed Dual Completion  
Of Western Natural Gas Companys  
Bonnie C. Schlosser Federal #1  
Loc. 790' From The North Line and 1980' From West Line Of  
Sec. 10 T-27-N R-11-W N.M.P.M.  
San Juan County, New Mexico S.F.-078673**



WESTERN NATURAL GAS COMPANY  
 BONNIE G. SCHLOSSER FEDERAL #1

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

SAN JUAN COUNTY, NEW MEXICO S.F. 078673

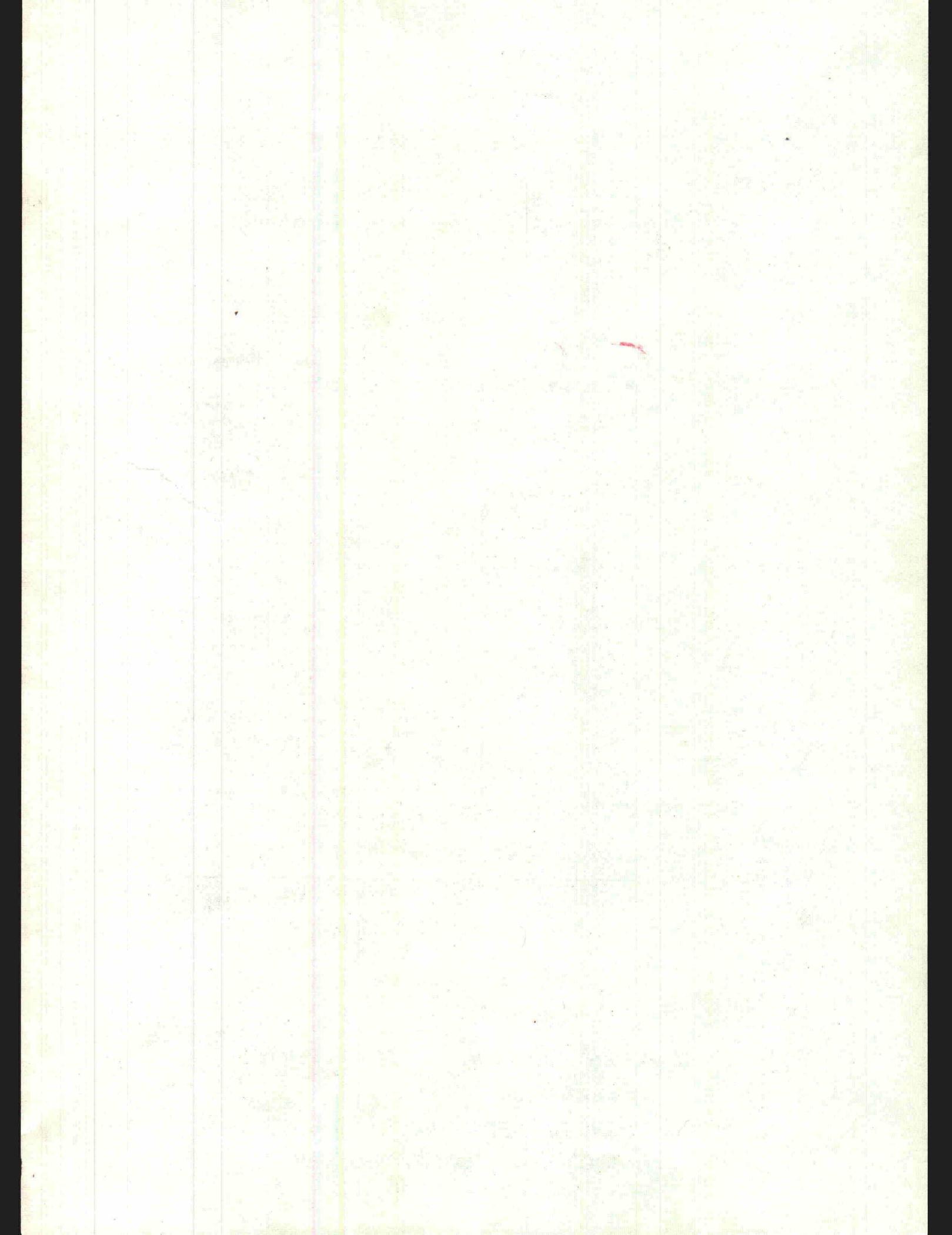


☆ - PICTURED CLIFF (Shallow)

◎ - 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 NMPM.  
 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' 80 HOLES GALLUP  
 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 14 1/2 # PUMP*

*41" GN*

6036' 72 HOLES GALLUP  
 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 6608'

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

*part. 500626*

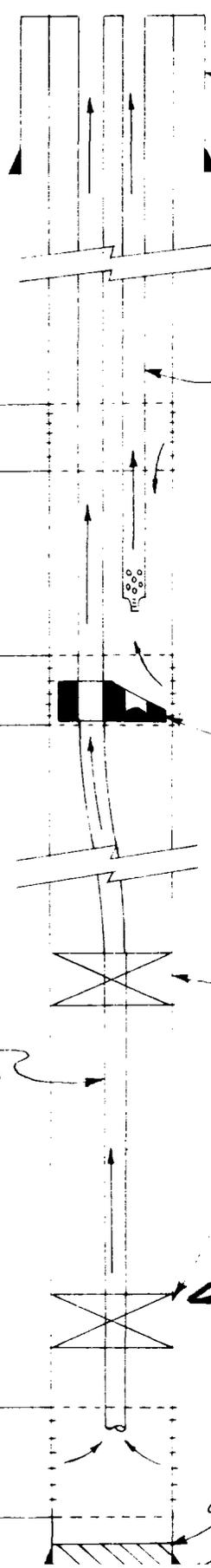
*-384' (6646) PNA 2408*

*this packer is probably no good slips are damaged*

6630' 76 HOLES DAKOTA  
 6666' GAS-DISTILLATE

PLUG BACK DEPTH -6797'

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



EV 2

NEW MEXICO OIL CONSERVATION COMMISSION EXAMINED MATTER  
SANTA FE, NEW MEXICO  
APPLICATION FOR DUAL COMPLETION

7-3-58  
CASE NO. 184  
2

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

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**

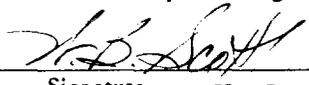
3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	<b>Gallup</b>	<b>Dakota</b>
b. Top and Bottom of Pay Section (Perforations)	<b>5962-5982 Nelson-Oil 6036-6054 Tocito-Oil</b>	<b>6630-6666 Dakota</b>
c. Type of production (Oil or Gas)	<b>Oil</b>	<b>Gas - Distillate</b>
d.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

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

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.