

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
BATON ROUGE, LOUISIANA

May 8, 1959

ALL CONCERNED:

- 5 -

RICEVILLE FIELD
59-226

This will advise that the following legal notice has been given to The State Times, Baton Rouge, Louisiana, for publication:

LEGAL NOTICE

STATE OF LOUISIANA, DEPARTMENT OF CONSERVATION, BATON ROUGE, LOUISIANA.

In accordance with the laws of the State of Louisiana, and with particular reference to the provisions of Title 30 of Louisiana Revised Statutes of 1950, a Public Hearing will be held in the Auditorium, Welfare Building, Baton Rouge, Louisiana, at 9:00 o'clock A.M., Tuesday, June 9, 1959, upon the application of Sid Richardson Carbon Company.

At such hearing the Commissioner of Conservation will consider evidence relative to the issuance of an order covering the following matters pertaining to the 11,400 Foot Sand in the Riceville Field, Vermilion Parish, Louisiana:

1. To establish rules and regulations governing the exploration for and the production of gas and condensate from the 11,400 Foot Sand.
2. To create a single drilling unit of approximately 560 acres, comprising all of the known productive area of the 11,400 Foot Sand Reservoir, and to force pool and integrate all separately owned tracts, mineral leases and other property interests within the unit so created.
3. To designate the applicant as the operator of said unit.

The 11,400 Foot Sand in the Riceville Field is hereby defined as being that thin gas-condensate bearing sand occurring between 11,403 feet and 11,411 feet in the Sid Richardson Carbon Company - Bonin No. 1 Well located in Section 14, Township 11 South, Range 2 West.

As above mentioned, the applicant will recommend at the hearing a single unit of approximately 560 acres. A plat outlining said unit is available for inspection in the offices of the Department of Conservation in Baton Rouge and Lafayette, Louisiana.

All parties having interest therein shall take notice thereof.

BY ORDER OF:

ASHTON J. MOUTON
COMMISSIONER OF CONSERVATION

Baton Rouge, Louisiana
May 5, 1959

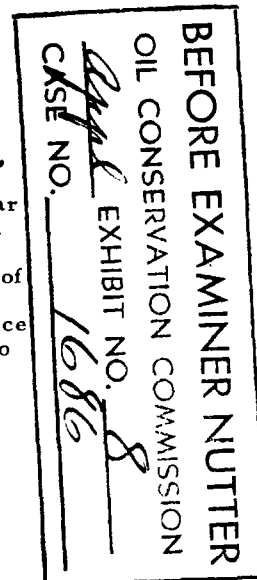
LNS; LNSL; LNLAF

Copy of this notice was mailed to all known interested parties. However, all concerned will undoubtedly take notice of publication of notice of public hearing in The State Times, Baton Rouge, Louisiana.

Yours truly,

Ashton J. Mouton
Commissioner

NOTE: Your name has been furnished to this department by the applicant in the above hearing as being an interested party. This notice does not constitute a summons to appear but is merely an invitation to attend the hearing if you so desire.

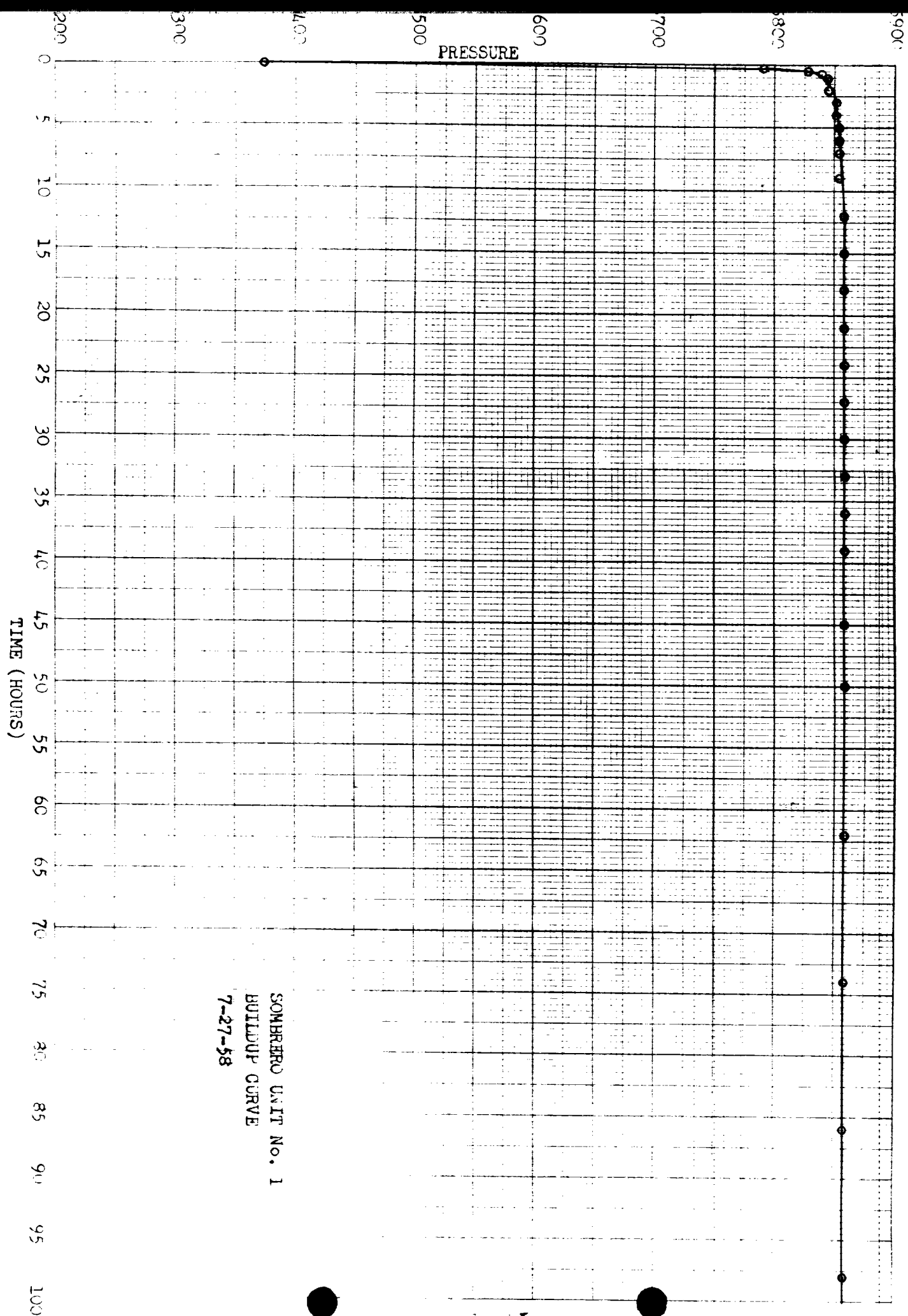


BOTTOM HOLE PRESSURE RECORD

ELEVATION 4183
 TOTAL DEPTH FBTD 13222
 PRESSURE DEPTH (SUB SEA) -8997

LEASE & WELL NO. SOMBRERO Unit No. 1

DATE	S.I. TIME HOURS	FLUID LEVEL FR. TOP		TEMP @ TEST DEPTH	PRESSURE - P.S.I				ACCUMULATED PROD (BBLs)
		OIL	MO GAS		TUBING	CASING	B.H.	DECLINE	
2-28-57	68	12,780		184	4490		6860		398
4-1-57	50	12,780	26,434		4280		6600		2754
4-27-57	50	12,780	40,541	184	4305		6572		4178
6-3-57	50	12,780	69,556	184	4020		6230		7284
7-29-57	53	12,000	107,456	184	3180		5260		11,273
10-17-57	72		136,619		3040		5850		13,768
7-27-58	115		156,117		3663		5858		15,770
5-29-59	72				3188		5634		



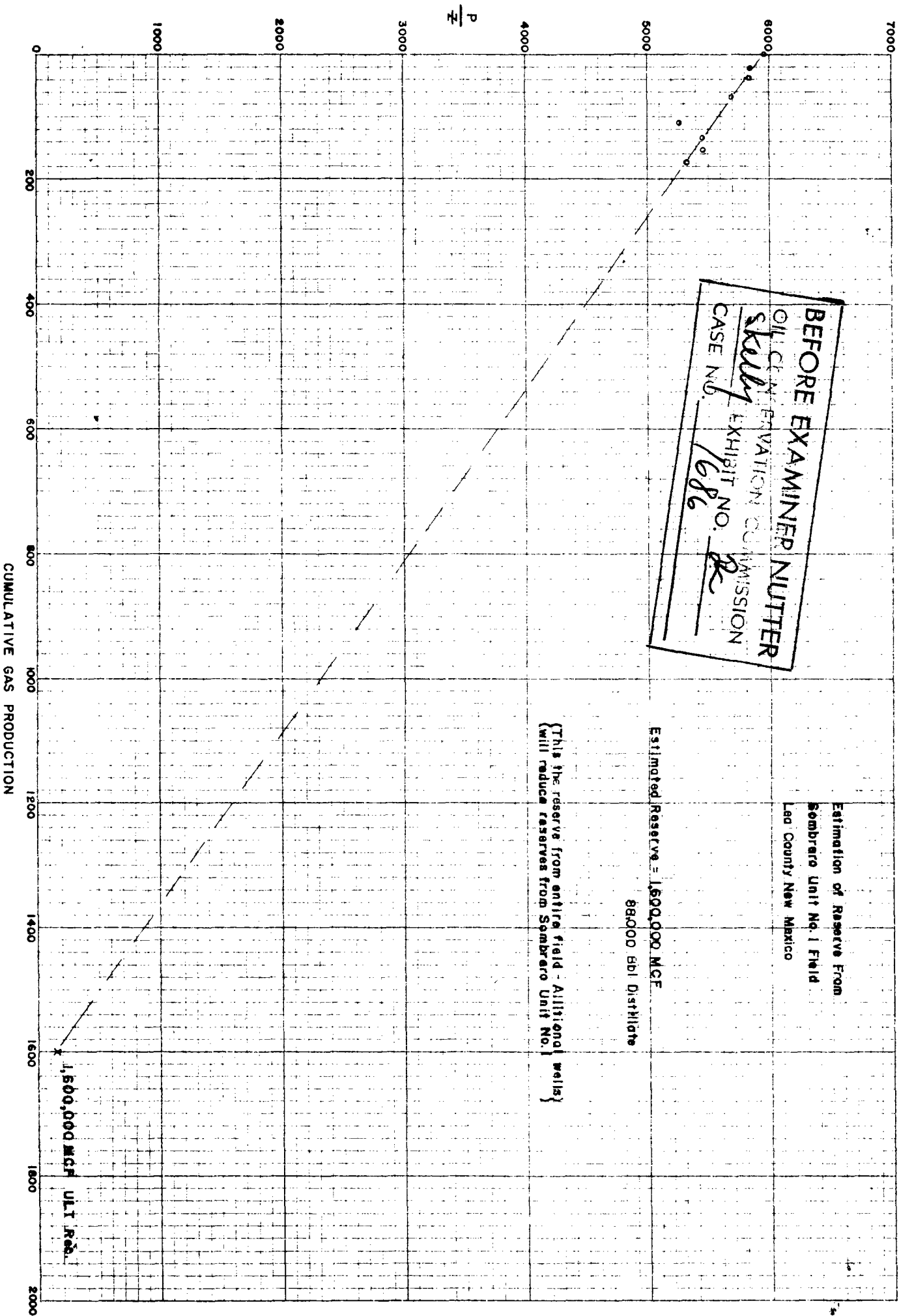
SOMBREIRO UNIT No. 1
BUILDUP CURVE
7-27-58

Estimation of Reserve From
Sombra Unit No. 1 Field
Lea County New Mexico

Estimated Reserve = 1,600,000 MCF

88000 Bbl Distribute

{This is the reserve from entire field - Additional wells
(will reduce reserves from Sombra Unit No. 1)



ECONOMICS OF 640 ACRE SPACING

SOMBRERO UNIT, LEA COUNTY, NEW MEXICO

Estimated Per Well Ultimate Recovery	Ultimate Recovery Per Well to WI 7/8	Ultimate Gross Income to WI. @ 2.81/bbl and 10¢/MCF	Per Well Development Cost	Estimated Operating Expense to Economic Limit	Estimated Salvage Value of Lease Equipment	Undiscounted Ultimate Profit or Loss
88,000 Bbl Condensate	77,000	\$216,370.00				
1,600,000 MCF	1,400,000	140,000.00				
		<u>\$356,370.00</u>	\$401,109.80	\$23,760.00	\$18,840.00	- \$49,659.20

Payout to April 1, 1959 - \$361,005.69

BEFORE EXAMINER NUTTER

CIT. COMMISSION

Casey

EXHIBIT NO. 3

CASE NO. 1686

CASE NO.

BEFORE
CIT. COM.

6. That the "D" sand reservoir of the Pawnee Hills Field is a gas reservoir, and that the operator and owner of the well capable of producing gas and gas distillate from the "D" sand of the Pawnee Hills Field should not produce gas unless: (1) The gas so produced is marketed to supply domestic or municipal needs; (2) The gas so produced is required for lease development or operations and fuel.

ORDER

NOW, THEREFORE, IT IS ORDERED, that one unit is hereby established and shall consist of Four Hundred Forty (440) acres for the entire productive area, for the production of gas and gas distillate from the "D" sand, common source of supply underlying the following described lands, to-wit:

East Half (E/2), East Half of the Southwest Quarter (E/2 SW/4), and the Northeast Quarter of the Northwest Quarter (NE/4 NW/4) of Section Eleven (11), Township Seven (7) North, Range Fifty-five (55) West, 6th P. M., Logan County, Colorado,

and such area shall henceforth be known as the Pawnee Hills Field.

- (a) The permitted well for such unit shall be the Phillips Petroleum Company's Arnold State "A" No. 1 well located in the Center of the Southwest Quarter of the Northeast Quarter (SW/4 NE/4) of Section Eleven (11), Township Seven (7) North, Range Fifty-five (55) West, 6th P. M., Logan County, Colorado.

IT IS FURTHER ORDERED, that the operator and owner of said well producing gas and gas distillate from the "D" sand of the Pawnee Hills Field shall not produce gas from said well unless:

- (1) The gas so produced is marketed to supply domestic or municipal needs;
- (2) The gas so produced is required for lease development or operations and fuel.

IT IS FURTHER ORDERED, that the rules and regulations contained herein shall become effective forthwith.

IT IS FURTHER ORDERED, that the Commission expressly reserves its right, after Notice and Hearing, to alter, amend or repeal any and/or all of the above rules and regulations.

ORDERED this 12th day of December, 1956.

THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

By

Annabel Hogsett
Annabel Hogsett, Secretary

Noted H.S. Bryant 1-3-57

2nd of Jan 1956
we present in 1956
These have been suggested

BEFORE THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

IN THE MATTER OF THE PROMULGATION
AND ESTABLISHMENT OF FIELD RULES TO
GOVERN OPERATIONS IN THE PAWNEE HILLS
FIELD, LOGAN COUNTY, COLORADO

CAUSE NO. 97

ORDER NO. 97-1

Adm. 1-15-57

REPORT OF THE COMMISSION

This cause came on for hearing before the Commission on December 11, 1956, at 10:00 a. m., in Room 330, State Office Building, Denver, Colorado, after publication of Notice of Hearing as required by law, on the application of the Skelly Oil Company for an order establishing a 480-acre drilling and spacing unit for the production of gas and gas distillate from the "D" sand of the Pawnee Hills Field in Logan County, Colorado. At the hearing, the Skelly Oil Company amended its application to exclude the forty acres described as the Southeast quarter of the North-west quarter of Section 11, thus decreasing the requested unit from 480 acres to 440 acres.

FINDINGS

The Commission finds as follows:

1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.
2. That the Commission has jurisdiction over the subject matter embraced in said Notice, and of the parties interested therein, and jurisdiction to promulgate the hereinafter prescribed order.
3. That the "D" sand constitutes a common source of supply of gas underlying the following described lands in a 440-acre unit in Logan County, Colorado, to-wit:

Township 7 North, Range 55 West, 6th P. M.

Section 11: E/2, E/2 SW/4, NE/4 NW/4

and is known as the Pawnee Hills Field.

4. That in order to prevent the drilling of unnecessary wells, an order should be made establishing one unit consisting of 440 acres for the entire productive area for the production of gas and gas distillate from the "D" sand, common source of supply underlying said land as defined herein; and that the permitted well should be the Phillips Petroleum Company's Arnold State "A" No. 1 well located in the Center of the Southwest quarter of the Northeast quarter (SW/4 NE/4) of Section 11, Township 7 N, Range 55 West, 6th P. M., Logan County, Colorado.

5. That all available geological and engineering data concerning the "D" sand, common source of supply in said Pawnee Hills Field, indicate that one well will efficiently and economically drain an area of approximately 440 acres, and that a drilling unit of the size and shape hereinabove described is not smaller than the maximum area that can be efficiently drained by one well producing from the said "D" sand, common source of supply in said Pawnee Hills Field.

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BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Apple EXHIBIT NO. 1
CASE NO. 1486

SOMBRERO UNIT R 33 E

TWP 16 S RGE 33 E
COUNTY Lea
STATE New Mexico

LEGEND

Ccn Canyon Pay Zone
Cat Atoka Pay Zone

COUNTY Lea

FIELD or LOCATION Wildcat

WELL Sombrero Unit

COMPANY Skelly Oil Company

COMPANY SKELLY OIL

COMPANY

WELL SOMBRERO UNIT

1

FIELD WILDCAT

LOCATION SEC. 12 16S 33E

COUNTY LEA

STATE NEW MEXICO

Location of Well

1980' f N/L

680' f W/L

Elevation: D.F. 4183

K.B. 4186

or G.L. 4173

FILING No.

RUN NO.	1	2
Date	<u>1-18-56</u>	<u>2-14-57</u>
Depth Reference	<u>KB 13' Abv. GL</u>	<u>KB 13' Abv. GL</u>
First Reading	<u>12731</u>	<u>13699</u>
Last Reading	<u>0</u>	<u>12731</u>
Footage Measured	<u>12731</u>	<u>968</u>
Max. Depth Reached	<u>12732</u>	<u>13700</u>
Bottom Driller	<u>12731</u>	<u>13700</u>
Max. Depth F.	<u>160</u>	<u>154</u>
Fluid Nature	<u>Chem-Oil</u>	<u>Aquage Baroid</u>
Density	<u>1.0</u>	<u>1.5</u>
Viscosity	<u>75</u>	<u>72</u>
Resistivity	<u>@ 57 F.</u>	<u>@ 87 F.</u>
Casing Size & Weight	<u>1 9 5/8" to 4530</u>	<u>3 5/8" to 4530</u>
Open Hole	<u>1 7 7/8" to ID</u>	<u>7 7/8" to 13700</u>
Fluid Level		
Recording Speed (ft/hr)	<u>2000' & 4000'</u>	<u>2000'</u>
Sensitivity Tap	<u>GR) 150 N) 400/300</u>	<u>GR) 150 N) 400</u>
Time Constant	<u>1-2</u>	<u>2</u>
Panel	<u>GNP-C # 256</u>	<u>GNP-C # 257</u>
Opr. Rig Time	<u>3 Hrs.</u>	<u>3 Hrs.</u>
Sonde Size & Type	<u>3 5/8"</u>	<u>3 5/8"</u>
Truck No.	<u>1762-Hobbs</u>	<u>1760-Hobbs</u>
Observer	<u>Wilson</u>	<u>Howe</u>

EXHIBIT NO. 4
 BEFORE EXAMINER NUTTER
 KELLER PICKER COMMISSIONER

REMARKS: CALIBRATION : BACKGROUND CPS TEST SOURCE CPS GALV. INCREASE DIVISIONS PANEL SENS.

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY Leas FIELD or LOCATION Wildcat WELL Sombra Unit # 1 COMPANY Skelly Oil Company	COMPANY SKELLY OIL	Other Surveys
	COMPANY	GRN
	WELL SOMBRERO UNIT	Location of Well
	# 1	1980' ± N/L 360' ± W/L
	FIELD WILDCAT	Elevation: D.F.: 418 K.B.: 418 or G.L.: 417
	LOCATION SEC. 12 16S 33E	FILING No.
	COUNTY LEA	
	STATE NEW MEXICO	

RUN No.	1	2				
Date	7-57	2-14-5				
First Reading	2726	13694				
Last Reading	4530	12726				
Feet Measured	8196	368				
Csg. Schlum.	4530	4530				
Csg. Driller	4530	4530				
Depth Reached	12732	13700				
Bottom Driller	12730	13700				
Depth Datum	KB 13'	Abv. GL				
Mud Nat.	Chem. Oil	Aquagel Baroid Dris TannexCS				
Dens: Visc.	10 75	11 5 72				
Mud Resist.	62 @ 160	F 1.6 @ 67	F	(a)	F	(a)
Res. BHT	(a)	F 70 @ 154	F	(a)	F	(a)
Rmf	.4 @ 160	F .47 @ 154	F	(a)	F	(a)
Rmc	.95 @ 160	F .95 @ 154	F	(a)	F	(a)
pH	11.5 @	F 11.5 @	F	(a)	F	(a)
Wtr. Loss	5 CC 30 min.	2.5 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"	7 7/8"				
Spcgs.—AM	16" Normal					
IND	5 FF 40"					
Opr. Rig Time	6 Hrs.	2 Hrs.				
Truck No.	1762-Hobbs	1760-Hobbs				
Recorded By	Wilson	Howe				
Witness	Anderson	Anderson				

E EXAMINER

ERVATION CON

EXHIBIT NO. 5

CA

1686