

FIELD DATA SHEET

Type Test:		☐ Initial ☐ Annual ☒ Special		Test Date	10-29/30-80	Lease No. or Serial No.	
Company		HEXAGON OIL & GAS INC.		Connection	AIR	Allotee	
Field		Reservoir WOLF CAMP		Location 660 FNL & 1980 FWL		Unit	
Completion Date		Total Depth	Plug Back TD	Elevation		Farm or Lease Name SOMBRERO MS ST	
Csg. Size	Wt.	d	Set At	Perforations: From	To	Well No.	
2 3/8	J/55	d	Set At	11493	11543	#2	
Type Completion (Describe)		SINGLE		Packer Set At	11454	Sec.	Twp - Blk Rge - Su
						27	16s 33e
Producing Thru	Reservoir Temp. F	Mean Ground Temp. F		Baro. Press. - P	a	State	
TBG	e	60		13.2	a	NEW MEXICO	
L	H	G ₉	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 2"
							Taps FLG

DATE	ELAP. TIME	WELLHEAD WORKING PRESSURE			METER OR PROVER				REMARKS
		Tbg. Psig	CHOKE	MCF	Pressure Psig	Diff.	Temp. F	Ori. lice	
Time of Reading	Hrs.								(Include liquid production data: Type - API Gravity - Amount)
11:15	ST	470	16/64					1.375	4'0" STARTING TANK GAUGE
11:30	15	"	"	410	40	79		1.000	
11:45	30	475	"	415	"	19		1.375	
12:00	45	480	"	"	"	"		"	216 BBL OIL TOTAL
12:15	1	500	"	435	"	21		"	4'2" 0 BBL H2O
12:30	15	510	"	459	"	22		"	
12:45	30	520	"	465	"	22.5		"	47@78°
1:00	45	525	"	479	"	23		"	45@60°
1:15	2	530	"	488	"	"		"	4'4"
1:30	15	"	"	"	"	"		"	
1:45	30	532	"	"	"	"		"	
2:00	45	534	"	"	"	"		"	
2:15	3	535	"	495	"	25		"	4'6"
3:15	4	540	"	510	"	30		"	4'8"
4:15	5	545	"	525	"	32		"	4'10 1/2"
5:15	6	550	"	550	"	35		"	5'
6:15	7	555	"	"	"	40		"	5'2"
7:15	8	570	"	600	"	42		"	5'4"
8:15	9	575	"	640	"	48		"	5'6"
9:15	10	590	"	660	"	49		"	5'8"
10:15	11	600	"	662	"	50		"	5'10 3/4"
11:15	12	620	"	663	"	51		"	5'11 1/2"
12:15	13	615	"	"	"	"		"	6'3/4"
1:15	14	"	"	662	"	50		"	6'2 1/2"
2:15	15	"	"	"	"	"		"	6'4 1/2"
3:15	16	613	"	660	"	49		"	6'5 1/2"
4:15	17	612	"	"	"	"		"	6'6 1/2"
5:15	18	"	"	640	"	48		"	6'8"
6:15	19	610	"	637	"	46		"	6'10"
7:15	20	"	"	"	"	"		"	7'1"
8:15	21	"	"	639	"	47		"	7' 2 3/4"
9:15	22	620	"	750	"	65		"	7' 4 1/2"
10:15	23	632	"	719	"	62		"	7' 6 1/2"
11:15	24	640	"	"	"	"		"	7' 8" ENDING TANK GAUGE

NEW-TEX LAB

P. O. BOX 1161
HOBBS, N.M. 88240

CERTIFICATE OF ANALYSIS

No. 4120
Run No. _____
Date of Run 10-31-80
Date Secured 10-30-80

A Sample of Hexagon Oil & Gas Inc. Sombrero Ms State # 2
Secured from Davis Services Inc.
At Box # 2033 Secured by _____
Hobbs, New Mexico 88240 Time _____ Date _____
Sampling conditions _____ Press 40# Trap Pressure _____
Temp. _____

FRACTIONAL ANALYSIS

Percentage Composition

	MOL %	LIQ. %	G.P.M.
Carbon Dioxide	<u>.416</u>		
Air			
Nitrogen	<u>2.257</u>		
Oxygen			
Hydrogen sulfide			
Hydrogen			
Methane	<u>70.578</u>		
Ethane	<u>14.671</u>		<u>3.913</u>
Propane	<u>8.555</u>		<u>2.348</u>
Butanes			
Iso-Butane	<u>.567</u>		<u>.185</u>
N-Butane	<u>1.972</u>		<u>.620</u>
Pentanes			
Iso-Pentane	<u>.262</u>		<u>.096</u>
N-Pentane	<u>.321</u>		<u>.116</u>
Hexanes	<u>.111</u>		<u>.046</u>
Heptanes	<u>.290</u>		<u>.133</u>
Octanes			
TOTAL	<u>100.000</u>		<u>7.457</u>

Calc. Sp. Gr. — 0.775
Calc. A.P.I. — _____
Calc. Vapor Press. — _____
Sp. Gr. _____
Mol. Wt. 22.60

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. 2.348
Butanes Calc. G.P.M. .805
Pentanes Plus. G.P.M. .391
Ethane Calc. G.P.M. 3.913
_____ RVP Gasoline G.P.M. _____
B.T.U./Cu. Ft. @ 14.696 P.S.I.A.
Dry Basis 1314
Wet Basis 1291
Sulfur Analysis by Titration
Gr./100 Cu. Ft. _____
Hydrogen Sulfide _____
Mercaptans _____
Sulfides _____
Residual Sulfur _____
Total Sulfur _____

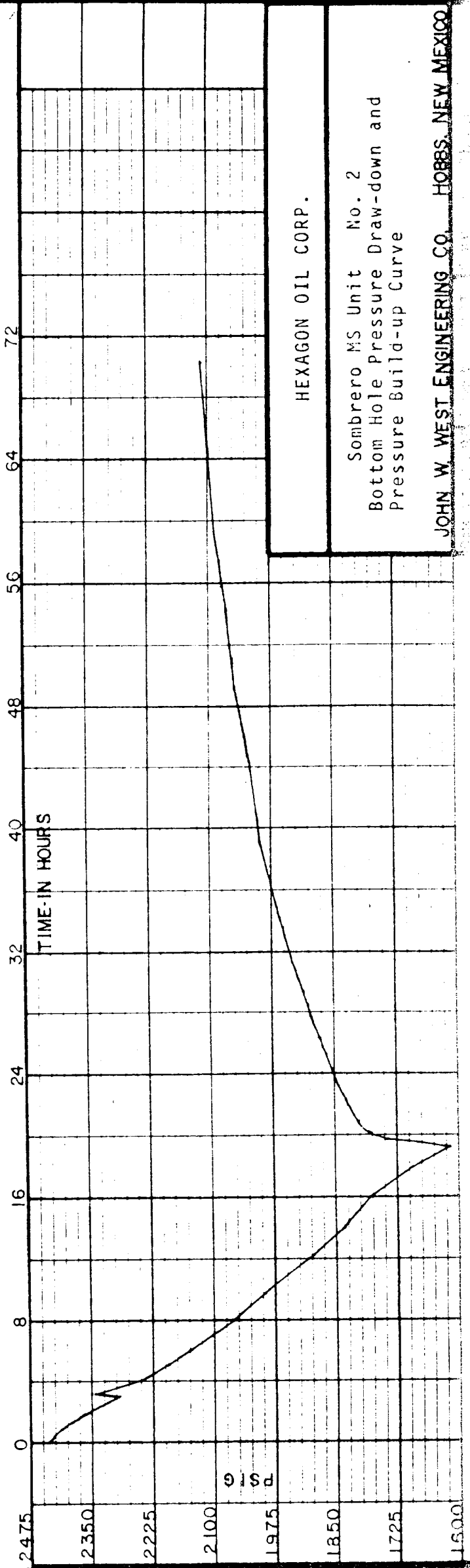
Run by Deane Simpson Checked by _____ Approved by Deane Simpson

Additional Data and Remarks

Test Date: Oct. 29 to Nov. 1, 1980
Test Depth: 11,419 feet

Element No.: 8534
Range: 0-5750 psi
Clock No.: 20607
Range: 0-72 Hour

Note: See tabulation of Pressure and Time on attached sheet.



HEXAGON OIL CORP.

Sombrero MS Unit No. 2
Bottom Hole Pressure Draw-down and
Pressure Build-up Curve

JOHN W. WEST ENGINEERING CO. HOBBS, NEW MEXICO

Hexagon Oil Corporation
 Sombrero MS Unit No. 2
 Bottom Hole Pressure Draw-down and
 Pressure Build-up Test
 Tabulation of Pressure and Time

Test Conducted by:
 John West Engineering Co.

Test Date: Oct. 29 to Nov. 1, 1980
 Test Depth: 11,419 feet
 Element No.: 8534
 Range: 0-5750 psi
 Oper.: R.W.

DATE	TIME	CUM. HRS./MIN.	PSIG @ 11,419 FEET
10-29-80	3:45 pm	00 Hrs. 00 Min.	2441 Gauge reached 11,419'
		00 15	2432 Flowing
		00 30	2426
		00 45	2414
		01 00	2403
		01 30	2380
		02 00	2351
		02 30	2319
	6:45 pm	03 00	2293 Shut-in
	6:55 pm	03 10	2342 Open Choke
		04 00	2249
		05 00	2191
		06 00	2148
		07 00	2101
10-29-80	11:45 pm	08 00	2058
10-30-80	1:45 am	10 00	1986
		12 00	1905
		14 00	1835
		16 00	1780
		18 00	1694
10-30-80	11:00 am	19 15	1619 Shut-in
10-30-80	11:00 am	00 00	1619 Begin Build-up
		00 15	1682
		00 30	1746
	11:45 am	00 45	1775
	12:00 noon	01 00	1789
	12:30 pm	01 30	1801
		02 00	1809
		02 30	1818
		03 00	1827
		03 30	1835
		04 00	1841
		05 00	1855
		06 00	1867
		07 00	1882
		08 00	1890
		10 00	1910
10-30-80	11:00 pm	12 00	1936
10-31-80	2:00 am	15 00	1960
	7:00 am	20 00	1997
	12:00 noon	25 00	2020
	5:00 pm	30 00	2049
10-31-80	10:00 pm	35 00	2067
11-01-80	3:00 am	40 00	2084
	8:00 am	45 00	2099
11-01-80	2:00 pm	51 Hrs. 00 Min.	2113 Gauge out, end test

JOHN W. WEST ENGINEERING COMPANY
412 NORTH DAL PASO, HOBBS, NEW MEXICO

TELEPHONES 333-1114
343-1111

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Hexagon Oil Corp.
LEASE Sombrero MS Unit
WELL NO. 2
FIELD _____
DATE 11-1-80 TIME 2:15 P.M.
STATUS Shut-in TEST DEPTH 11,419'
TIME SI. 70.5 hr LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 890 psi BHP CHANGE _____
ELEV. _____ FLUID TOP _____
DATUM _____ WATER TOP _____
TEMP _____ RUN BY R.W.
CLOCK NO. 20607 GAUGE NO. 19389
ELEMENT NO. 8534 (0-5750 psi)

DEPTH	PRESSURE	GRADIENT
000	890	
11219	2041	.103
11419	2113	.360

