

DATE 7-1-82

TO: OHS-2-2

INTEGRATED MANAGEMENT PROGRAM

FROM: OS-7-1

1982 JUL -2 A 10:09

Supplemental Plan of Exploration,  
Control No. S- 0897.

Lease OCS-G 3197

MP Block 120

Chesron U.S.A. Inc.

NOTED -- WILLIAMSON

CHEVRON U.S.A. INC.  
SUPPLEMENTAL  
PLAN OF DEVELOPMENT  
OCS-G-3197 LEASE  
MAIN PASS BLOCK 120

*Exploration*

PUBLIC INFORMATION

NOTED - WILLIAMSON  
*as per*  
*Jimmy Boyd*  
*6-30-82*

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SUPPLEMENTAL  
PLAN OF DEVELOPMENT *Exploration*  
OCS-G-3197 LEASE  
MAIN PASS BLOCK 120

Chevron U.S.A. Inc., Operator for the Main Pass Block 120 OCS-G-3197 lease, plans to drill one additional well as follows:

OCS-G-3197 #5

The surface location is 3500' FWL and 750' FSL of Main Pass Block 111. The proposed total depth is 7500' TVD and the plan calls for a directional hole. The water depth at the proposed surface location is 96'.

The proposed drilling schedule for this well is as follows:

<u>Well</u>	<u>Commence Drilling</u>	<u>Drill &amp; Complete</u>	<u>Estimated Completion Date</u>
OCS-G-3197 #5	8-6-82	45 Days	9-20-82

Onshore support and storage facilities required for the proposed well are Chevron's existing facilities located at Venice, Louisiana and Harvey, Louisiana. The existing base at Venice covers 45+ acres and is located adjacent to Grand Pass and Louisiana State Highway 23. The base contains a dock with facilities for loading and unloading marine equipment, heliport, office and communication facilities. The Harvey base is small, 2.5 acres, and is used for temporary storage of casing and well equipment. This activity is not expected to increase base requirements.

Archeological surveys have been filed for the OCS-G-3197 and OCS-G-4263 leases. No magnetic anomalies or cultural resources were encountered within 500' of the proposed location.

Chevron U.S.A. Inc.'s Oil Spill Contingency Manual has been previously filed with the Minerals Management Service. The oil spill cleanup equipment is maintained at Venice, Louisiana and the deployment time for the equipment to the OCS-G-3197 lease is six (6) hours.

The drilling mud program will contain some or all of the following: fresh water, bentonite, barite, caustic soda, lignite, chromeligno-sulfonate, detergent, ground nut hulls and sodium acid pyrophosphate. Drilling mud will be disposed of at the well site upon completion of drilling operations by discharging from the rig into the Gulf.

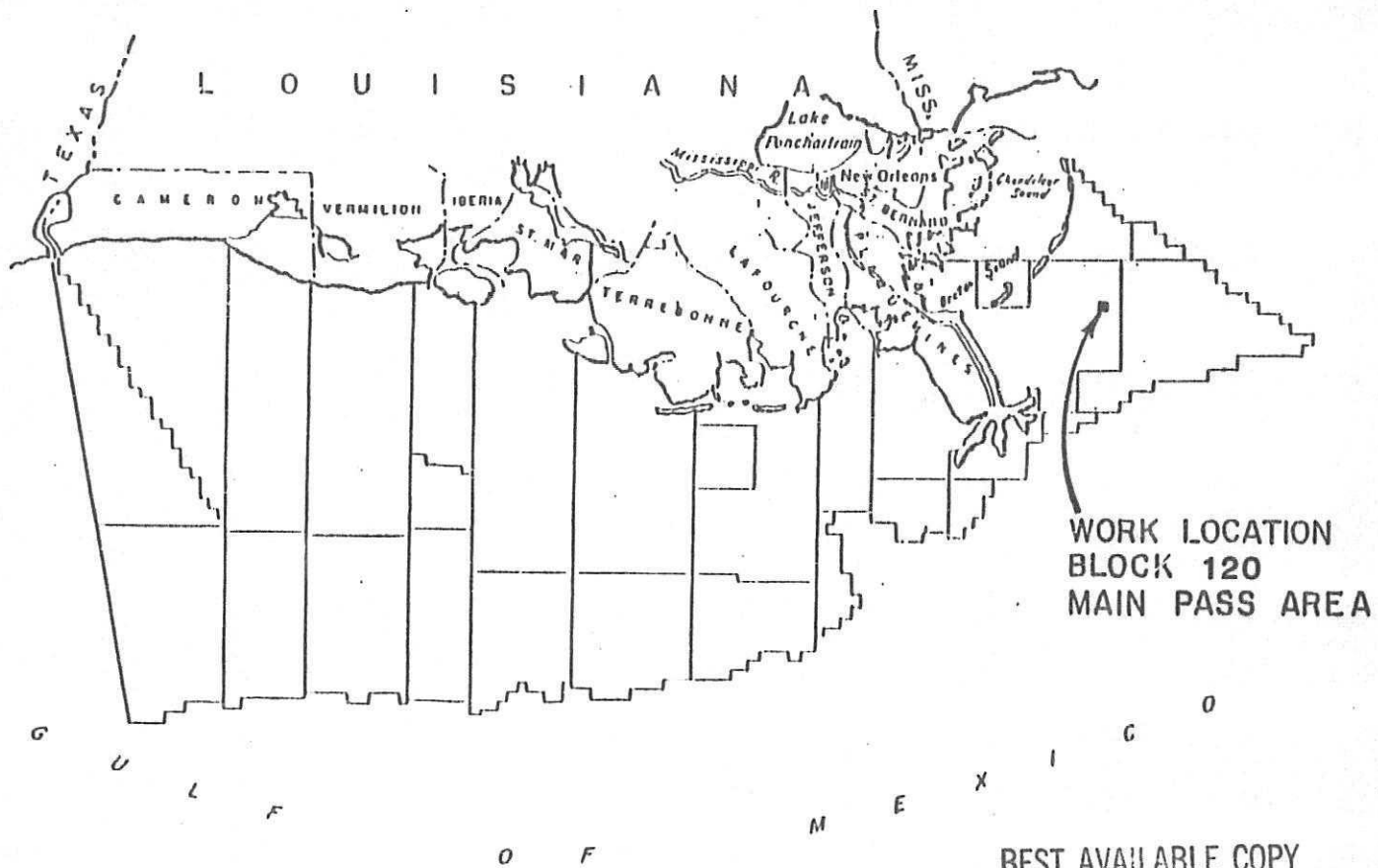
We plan to use Penrod Drilling Company's rig "Penrod 53" or a similar type rig to drill this well. The "Penrod 53" is a mobile jack-up offshore type rig. The rig contains well control and containment, pollution control, fire fighting and life saving equipment and a sewage treatment system to comply with Minerals Management and U. S. Coast Guard requirements.

If the drilling of this well is successful, Chevron will address the installation of a platform, pipeline and additional development drilling in a future Supplemental Plan of Development.

We have included the following attachments for subject Supplemental Plan of Development:

1. Location map of the lease block relative to the shore line.
2. Location map showing location (non-proprietary)
3. Shallow Hazards Report for well site
4. Structure Map\*(proprietary)
5. Cross-Section\*(proprietary)
6. Spider Map\*(proprietary)
7. Calculations for air emissions

Chevron U.S.A. Inc., as Lessee of OCS-G-3197, believes that the above items which have been marked with an asterisk (\*) are exempt from disclosure under the Freedom of Information Act, and should therefore not be made available to the public or provided to any affected state or to the executive of any local government. Specifically these items are the bottom hole location, estimated production rate, estimated life of reserves, structure map, cross-section map and spider map. We have omitted this information from the Public Information copies.



BEST AVAILABLE COPY

REGIONAL MAP

111

#1 Prop Surf. Loc.  
PTD - 6000'



Prop. Surf. Loc.  
Chevron OCS-6-3197#3

3500'

CHEVRON  
OCS-4263  
\$3.63MM 12-79

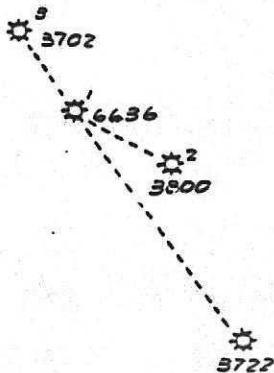
Y = -307,530'

X = -2,841,850'

X = 2,856,600'

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120



Y = 292,830

CHEVRON  
OCS - 3197  
\$1.61MM 6-80

MAIN PASS AREA  
BLOCK 120-111

SCALE 1" = 2000'

SHALLOW DRILLING HAZARDS REPORT

DATE: June 23, 1952

AREA: Main Pass Block 111

WELL: Chevron OCS-G-3197 #5

LOCATION: Surface 3500' FWL & 750' FSL of Main Pass Block 111  
Bottom Hole 5450' FNL & 5300' TEL of Main Pass Block 120  
Total Depth 7500' TVD

GEOPHYSICAL DATA REVIEWED:

Sub-bottom profiler (sparker), side sonar, and CDPS line 9306 (across location) have been reviewed in the vicinity of the proposed location.

RESULTS:

Water depth at the proposed location is approximately 96'. Sub-bottom profiler lines indicate the bottom to be smooth at the proposed location. No shallow gas anomalies or hazards were apparent on the geophysical data.

GEOLOGICAL DATA REVIEWED:

Main Pass 111: OCS-G-1305 #1  
Main Pass 112: OCS-G-1304 #1, 2, 3, 6  
Main Pass 119: OCS-G-1311 #1, 2  
Main Pass 120: OCS-G-3197 #1, 2, 3, 4

RESULTS:

No evidence of shallow drilling hazards were observed in the above wells.

CONCLUSIONS:

Examination of the geological, geophysical and drilling data indicates that shallow drilling hazards have not been encountered in previous operations in this area, and no drilling hazards are expected at the proposed location.

Geophysicist

Erin Johnson

Geologist

C.E. Holbrook

AIR QUALITY CALCULATIONS  
DEVELOPMENT  
MAIN PASS BLOCK 120

Air quality calculations are based upon the drilling of one development well having a projected measured depth of 12,300 feet. Operations are expected to begin in August of 1982 and to require about 45 days. Fuel consumption for the drilling rig is estimated at 1,092 gallons per day. Details of the calculations are presented in Tables 1 - 3. All projected emissions are well below maximum allowable limits and this operation is therefore exempt.

TABLE 1

PROJECTED AIR EMISSION  
WELLS 1  
BLOCK MAIN PASS 120

EMISSION SOURCE	RUNNING TIME/DAY	TAKEOFF & LAND- INGS/DAY	FUEL CON- SUMPTION GALS/DAY	EMISSION FACTORS POUND/1,000 GALS.					EMISSION FACTORS AIRCRAFT TAKEOFF & LANDINGS					PROJECTED EMISSION 1-DAY PROJECTION IN #								
				SO <sub>2</sub>	NO <sub>x</sub>	CO	TSP	VOC	SO <sub>2</sub>	NO <sub>x</sub>	CO	TSP	VOC	SO <sub>2</sub>	NO <sub>x</sub>	CO	TSP	VOC				
DRILLING RIG	24 hrs.		1092	31.2	469	102	33.5	37.5								34.0	512	111	36.5	40.9		
CARGO BOAT (IN BERTH)	2 hrs.		4	31.2	469	102	33.5	37.5								0.1	1.9	0.4	0.1	0.2		
CREW BOAT (STANDBY)	20 hrs.		40	31.2	469	102	33.5	37.5								1.2	18.7	4.0	1.3	1.5		
HELICOPTER TAKE- OFF & LANDINGS		4								.18	.57	5.7	.25	.52		0.7	2.3	23	1.0	2.0		
													1-DAY TOTAL					36.0	534.9	138.4	38.9	44.6

ABOVE NUMBERS IN POUNDS

Projected emissions are based on data from "Compilation of Air Pollutant Emission Factors", 3rd Edition AP-42, EPA, 1977. Table 3.3.3.-1 and Table 3.2.1.-3.

TABLE 2

AREA MAIN PASS BLOCK 120 WELLS 1

PROJECTED EMISSIONS FROM EACH SOURCE  
BY AIR POLLUTANT FOR 1982  
Year

DRILLING OPERATIONS - WELLS

SOURCE	AIR POLLUTANT (T/YR)				
	SO <sub>2</sub>	NO <sub>x</sub>	CO	TSP	VOC
Drilling Rig Projected Emissions lb/day	34.0	512	111	36.5	40.9
Transportation-- Cargo Boat, Crew Boat, & Helicopter lb/day	2.0	22.9	27.4	2.4	3.7
SUB-TOTAL lb/day	36.0	534.9	138.4	38.9	44.6
Miscellaneous 25% of Sub-Total	9.0	133.7	34.6	9.7	11.1
TOTAL in lb/day	45.0	668.6	173.0	48.6	55.7
TOTAL in Tons/year	1.0	15.0	3.9	1.1	1.3

TABLE 3

AREA MAIN PASS BLOCK 120 WELLS 1

EXEMPTION CALCULATIONS

$E = 3400 (D^{2/3})$  for carbon monoxide

$E = 33.3 D$  for sulfur dioxide, nitrogen oxides, total suspended particulates, and volatile organic compounds

$D =$  19 Statute Miles

$E =$  24202 CO

$E =$  633 SO<sub>2</sub>, NO<sub>x</sub>, TSP, and VOC

POLLUTANTS	"E" (T/YR.)	1982	EXEMPT (Yes or No)
		HIGHEST YEAR PROJECTED EMISSIONS (T/Yr.)	
SO <sub>2</sub>	633	1.0	Yes
NO <sub>x</sub>	633	15.0	Yes
CO	24202	3.9	Yes
TSP	633	1.1	Yes
VOC	633	1.3	Yes

E = The emission exemption amount expressed in tons per year.

D = The distance of the facility from the closest onshore area of a state expressed in statute miles.