

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-101

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION  
2040 S. Pacheco  
Santa Fe, NM 97504

APR 1998  
RECEIVED  
OCD - ARTESIA

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK OR ADD A ZONE

1. Operator Name and Address <b>Shahara Oil, LLC 207 West McKay Carlsbad, NM 88220</b>		2. OGRID Number <b>143119</b>
		3. API Number <b>30-025-34376</b>
4. Property Code <b>16770</b>	5. Property Name <b>Phillips State</b>	6. Well No. <b>17</b>

7. Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn.	Feet From the	North/South Line	Feet From the	East/West Line	County
<b>N</b>	<b>16</b>	<b>17S</b>	<b>33E</b>		<b>330</b>	<b>South</b>	<b>2310</b>	<b>West</b>	<b>Lea</b>

8. Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn.	Feet From the	North/South Line	Feet From the	East/West Line	County
9. Proposed Pool 1 <b>43329 - Maljamar Grayburg San Andres</b>					10. Proposed Pool 2				

11. Work Type Code <b>N</b>	12. Well Type Code <b>O</b>	13. Cable/Rotary <b>R</b>	14. Lease Type Code <b>S</b>	15. Ground Level Elevation <b>4189'</b>
16. Multiple <b>No</b>	17. Proposed Depth <b>4950'</b>	18. Formation <b>Grayburg SA</b>	19. Contractor <b>Artesia Fishing Tool</b>	20. Spud Date <b>04/30/98</b>

21. Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>12 1/4"</b>	<b>8 5/8"</b>	<b>24#</b>	<b>500'</b>	<b>300</b>	<b>Circulate</b>
<b>7 7/8"</b>	<b>5 1/2"</b>	<b>17#</b>	<b>4950'</b>	<b>970</b>	<b>Circ 100' above 8 5/8"</b>
					<b>casing shoe</b>

22. Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

It is proposed to drill the above captioned well to a total depth of 4950' with rotary tools.

If commercial production is indicated, the well will be perforated and stimulated as necessary.

**Permit Expires 1 Year From Approval  
Date Unless Drilling Underway**

Blow Out Prevention: 10" Series 900 Type "E" Shaffer Hydraulic BOP

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Thallia Marshall</i>		Approved by: <b>ORIGINAL SIGNED BY</b>	
Printed Name: <b>Thallia Marshall</b>		Title: <b>GARY WINK</b>	
Title: <b>Agent</b>		Approval Date: <b>APR 21 1998</b>	
Date: <b>04/08/98</b>	Phone: <b>505-885-5433</b>	Conditions of Approval:	
		Attached: _____	

404

MP

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-34376</b>	Pool Code <b>43329</b>	Pool Name <b>Maljamar Grayburg San Andres</b>
Property Code <b>16770</b>	Property Name <b>PHILLIPS STATE</b>	Well Number <b>17</b>
OGRID No. <b>143119</b>	Operator Name <b>SHAHARA OIL, LLC</b>	Elevation <b>4189</b>

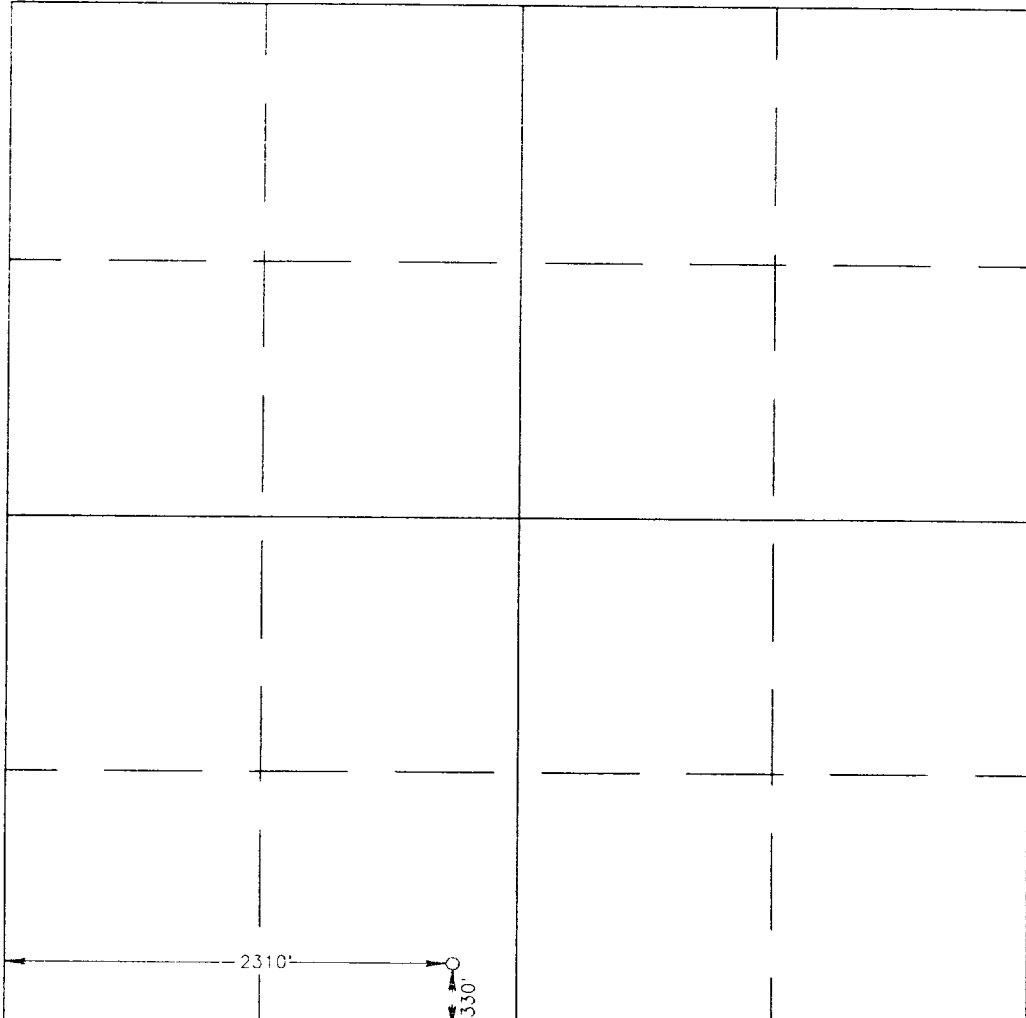
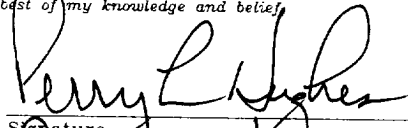
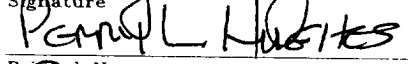
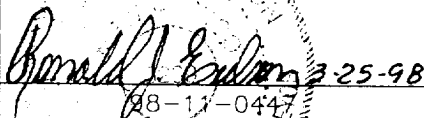
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>N</b>	<b>16</b>	<b>17 S</b>	<b>33 E</b>		<b>330</b>	<b>SOUTH</b>	<b>2310</b>	<b>WEST</b>	<b>LEA</b>

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<b>OPERATOR CERTIFICATION</b> <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature  Printed Name <b>PRESIDENT</b> Title <b>3/31/98</b> Date
	<b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> <b>MARCH 12, 1998</b> Date Surveyed Signature & Seal of Professional Surveyor  <b>25-98</b> <b>48-11-0447</b> Certificate No. JOHN W. WEST 576 RONALD J. EIDSON 3239 GARY EIDSON 12641

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 43329	Pool Name Maljamar Grayburg San Andres
Property Code 16770	Property Name PHILLIPS STATE	Well Number 17
OGRID No. 143119	Operator Name SHAHARA OIL, LLC	Elevation 4189

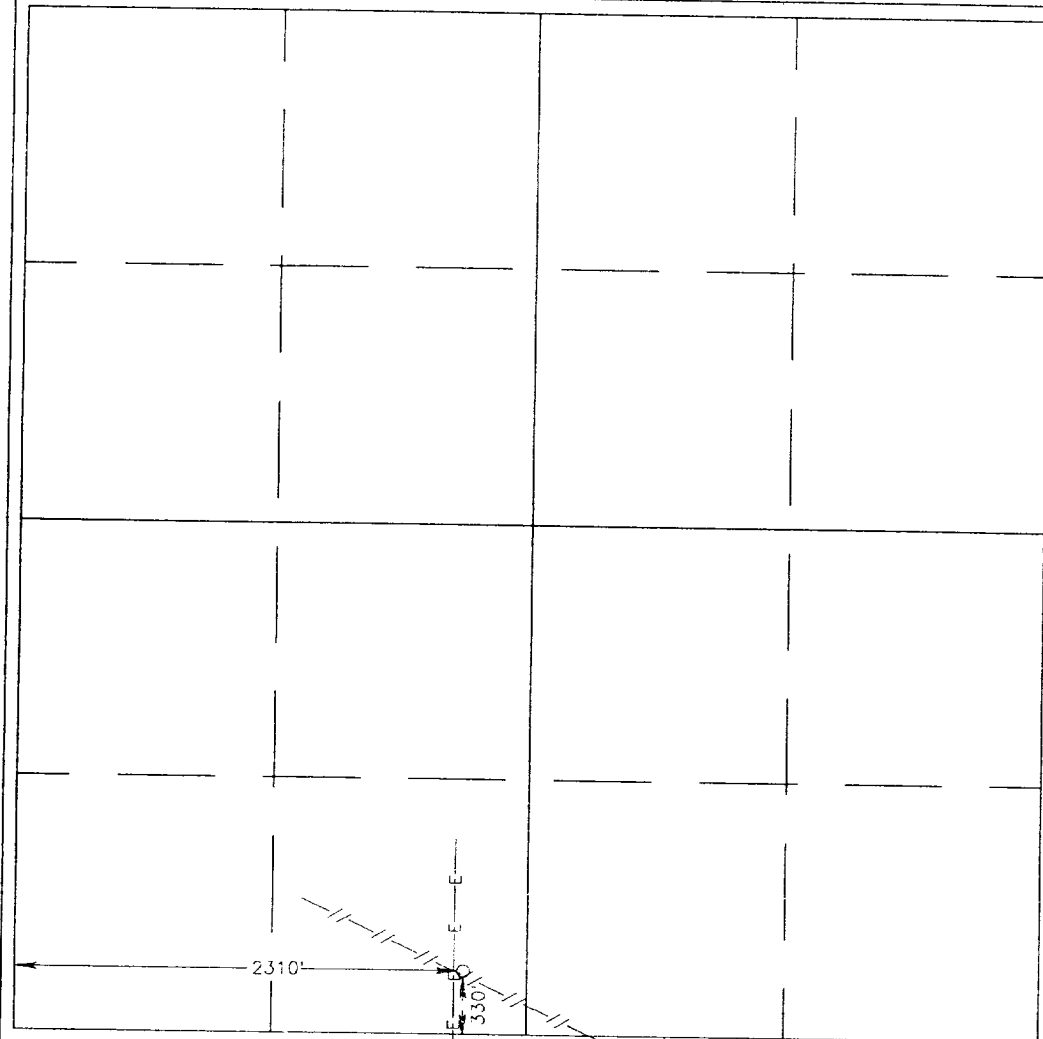
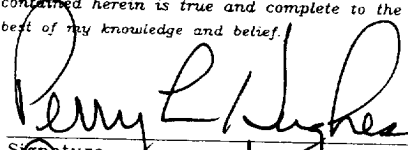
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	17 S	33 E		330	SOUTH	2310	WEST	LEA

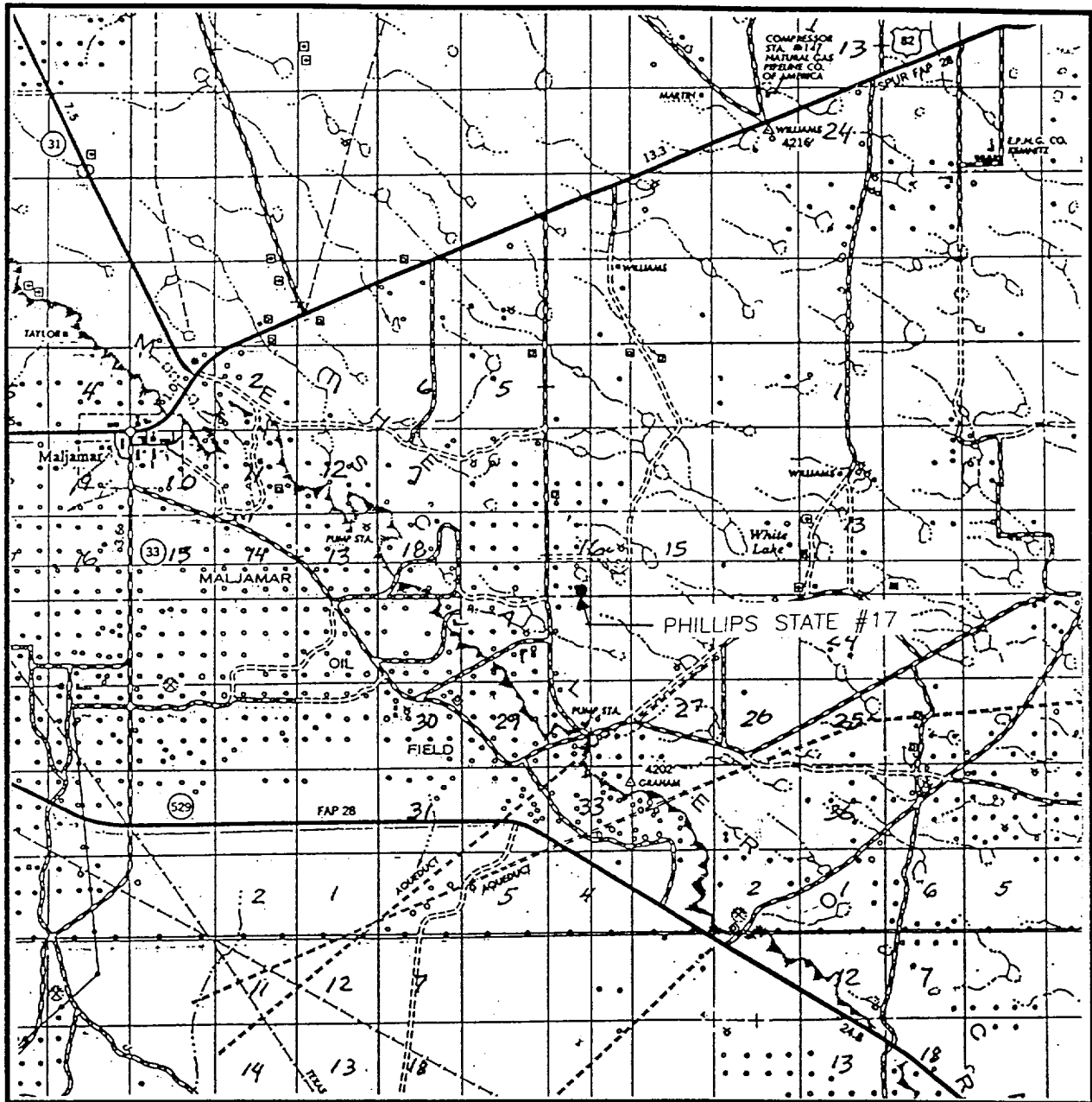
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature Perry L. Hughes Printed Name President Title 3/31/98 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MARCH 12, 1998</p> <p>Date Surveyed DMCC</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p>98-11-0447</p> <p>Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 GARY EIDSON 12641</p>

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 16 TWP. 17-S RGE. 33-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 330' FSL & 2310' FWL  
 ELEVATION 4189  
 OPERATOR SHAHARA OIL, LLC  
 LEASE PHILLIPS STATE

**JOHN WEST ENGINEERING**  
**HOBBS, NEW MEXICO**  
**(505) 393-3117**

This is a detailed topographic map of a section of Phillips State #17. The map features a grid of land parcels, with several areas labeled as 'FIELD' and 'ACQUEDUCT'. A 'PUMPING STA' is located in the lower-left corner. A 'Gravel Pit' is marked in the center. The map includes numerous elevation points, such as 4204, 4209, 4205, 4200, 4201, 4185, 4186, 4183, 4170, 4160, 4175, 4177, 4175, 4170, 4165, 4159, 4187, 4188, 4185, 4184, 4171, 4175, 4170, 4160, 4159, 4186, 4183, 4170, 4160, 4159, 4186, 4183, 4170, 4160, 4159. The map also shows various water features, including a 'Gravel Pit' and a 'PUMPING STA'. The map is labeled with 'PHILLIPS STATE #17' and 'ACQUEDUCT'. The map includes a grid of land parcels, with several areas labeled as 'FIELD' and 'ACQUEDUCT'. A 'PUMPING STA' is located in the lower-left corner. A 'Gravel Pit' is marked in the center. The map includes numerous elevation points, such as 4204, 4209, 4205, 4200, 4201, 4185, 4186, 4183, 4170, 4160, 4175, 4177, 4175, 4170, 4165, 4159, 4187, 4188, 4185, 4184, 4171, 4175, 4170, 4160, 4159, 4186, 4183, 4170, 4160, 4159. The map also shows various water features, including a 'Gravel Pit' and a 'PUMPING STA'. The map is labeled with 'PHILLIPS STATE #17' and 'ACQUEDUCT'.

CONTOUR INTERVAL:  
DOG LAKE - 10'  
WITH 5' SUPP.

DOG LAKE, N.M.

**(505) 393-3117**

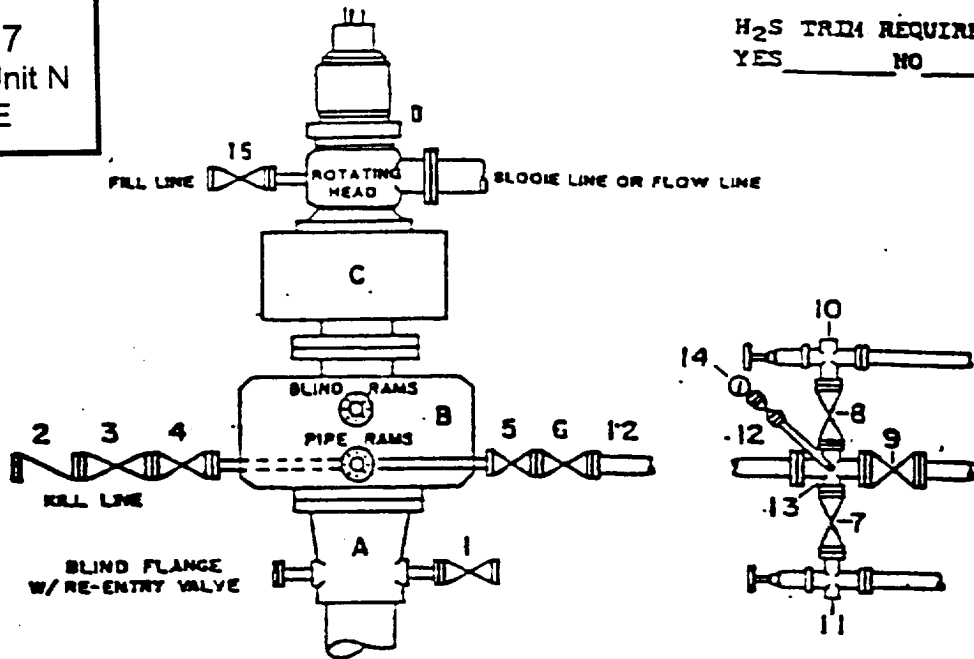
BOP Equipment

Shahara Oil, LLC

Phillips State No. 17  
330' FSL & 2310' FWL, Unit N  
Sec 16 - T17S - R33E

DRILLING CONTROL  
CONDITION III-B 3000 PSI WP

H<sub>2</sub>S TRIM REQUIRED  
YES \_\_\_\_\_ NO \_\_\_\_\_



DRILLING CONTROL

MATERIAL LIST - CONDITION III - B

- |            |   |
|------------|---|
| A          | Wellhead  |
| B          | 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram preventers may be utilized with 3000# W.P. drilling spool with 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line. The drilling spool is to be installed below the single ram type preventers). |
| C          | 3000# W.P. Annular Preventer with 1" steel, 3000# W.P. control lines.   |
| D          | Rotating Head with fill up outlet and extended Bloode line.   |
| 1,3,4,7,8, | 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.   |
| 2          | 2" minimum 3000# W.P. back pressure valve.  |
| 5,6,9      | 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.   |
| 12         | 3" minimum Schedule 80, Grade B, seamless line pipe.  |
| 13         | 2" minimum x 3" minimum 3000# W.P. flanged cross.   |
| 10,11      | 2" minimum 3000# W.P. adjustable choke bodies.  |
| 14         | Cameron Mud Gauge or equivalent (location optional in Choke line).  |
| 15         | 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.   |

SCALE:	DATE	EST. NO.	SPS NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			