

PLUGGING DIAGRAM
Proposed Haley Chaveroo San Andres Unit
Roosevelt & Chaves Counties, New Mexico

Company Name: COLLIER ENERGY, INC.

Lease Name: Mary Ella II

Well No.: 1

Location: 330 FNL & 990 FWL, Sec. 11, T8S, R33E

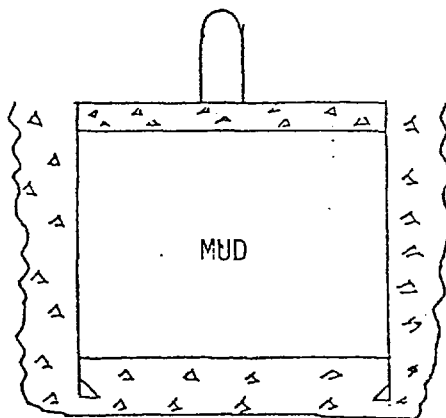
Drilling and Completion Data

390' 8-5/8", cmt. w/200 sx.
Circulate to surface.

Plugging and Abandonment Data

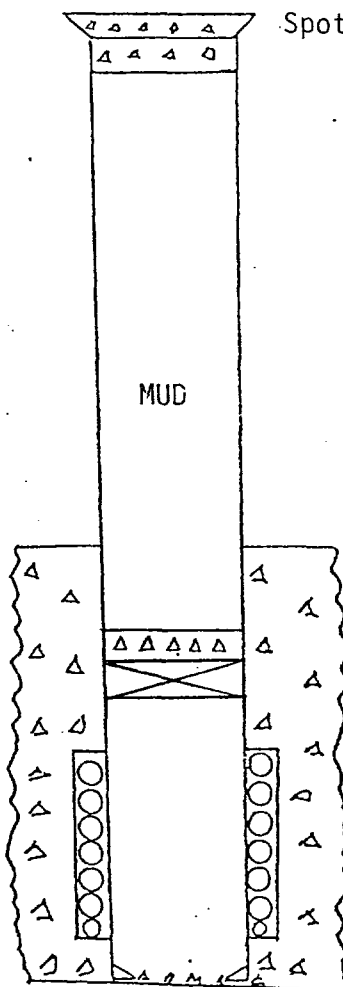
Surface: 30 sx. cmt. plug.

Spot 20 sx. cmt. 218' - 458'.



4459' 4-1/2", cmt. w/750 sx. &
300 sx. 50/50 poz.

Spot 25 sx. cmt. plug 1250' - 1520'.



30' cement on top of CIBP.
CIBP @ 3989'.

Perforations 4191' - 4276'.

4425' P.B.T.D.
4460' T.D.

NO. OF COPIES RECEIVED		
DISTRIBUTION		
NTA FE		
LE		
S.G.S.		
ND OFFICE		
ERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)		5a. Indicate Type of Lease State ☐ Fee ☒
		5. State Oil & Gas Lease No.
OIL - ☒ WELL GAS WELL ☐ OTHER -		7. Unit Agreement Name
Name of Operator Collier Energy, Inc.		8. Farm or Lease Name Mary Ella 11
Address of Operator P.O. Drawer R , Artesia, New Mexico 88210		9. Well No. #1
Location of Well UNIT LETTER D 330 FEET FROM THE North LINE AND 990 FEET FROM West LINE, SECTION 11 TOWNSHIP 8S RANGE 33E NMPM.		10. Field and Pool, or Wildcat Chaveroo San Andres
15. Elevation (Show whether DF, RT, GR, etc.) 4372'		12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
ILL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	OTHER ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4/12/85 Set cast iron Birdge plug at 3989'
Dumped 30' of cement on top of plug
Circulated hole with fresh water mud.

4/15/85 Spot 25 sk plug from 1520 to 1250'
Spot 20 sk plug from 458 to 218'
Spot 30 sk surface plug
Installed dry hole marker
State representative on location

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Barbie J. Jell TITLE Production Clerk DATE 4/16/85

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Insert in P. 1 &
at end of
Section VTE

PLUGGING DIAGRAM
Proposed Haley Chaveroo San Andres Unit
Roosevelt & Chaves Counties, New Mexico

Company Name: COLLIER ENERGY, INC.

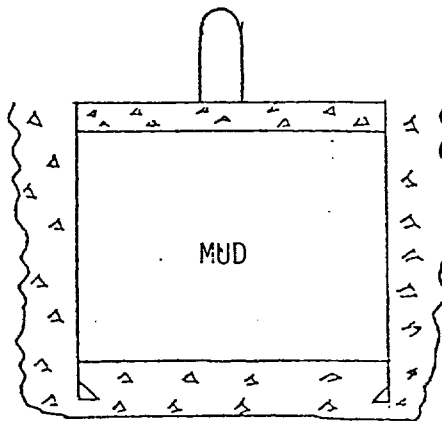
Lease Name: Mary Ella II.

Well No.: 1

Location: 330 FNL & 990 FWL, Sec. 11, T8S, R33E

Drilling and Completion Data

390' 8-5/8", cmt. w/200 sx.
Circulate to surface.

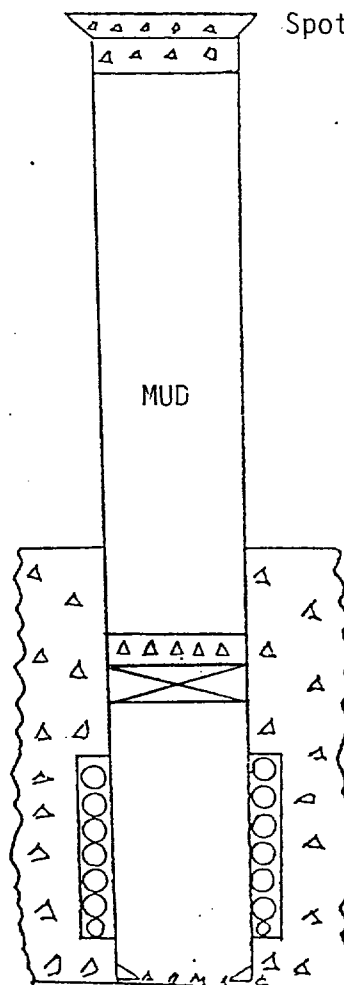


Plugging and Abandonment Data

Surface: 30 sx. cmt. plug.

Spot 20 sx. cmt. 218' - 458'.

4459' 4-1/2", cmt. w/750 sx. &
300 sx. 50/50 poz.



Spot 25 sx. cmt. plug 1250' - 1520'.

30' cement on top of CIBP.
CIBP @ 3989'.

Perforations 4191' - 4276'.

4425' P.B.T.D.
4460' T.D.

D. OF COPIES RECEIVED		
DISTRIBUTION		
NTA FE		
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I.G.S.		
NO OFFICE		
ERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name
Mary Ella 11
9. Well No.
#1
10. Field and Pool, or Wildcat
Chaveroo San Andres
12. County
Lea

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL - ☒	GAS WELL ☐	OTHER -
Name of Operator	Collier Energy, Inc.	
Address of Operator	P.O. Drawer R , Artesia, New Mexico 88210	
Location of Well	UNIT LETTER D , 330 FEET FROM THE North LINE AND 990 FEET FROM THE West LINE, SECTION 11 TOWNSHIP 8S RANGE 33E NMPM.	

15. Elevation (Show whether DF, RT, GR, etc.)
4372'

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
REPAIR OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4/12/85 Set cast iron Birdge plug at 3989'
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4/15/85 Spot 25 sk plug from 1520 to 1250'
Spot 20 sk plug from 458 to 218'
Spot 30 sk surface plug
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State representative on location

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

PROVED BY Wickie J. Jell TITLE Production Clerk DATE 4/16/85

PROVED BY _____ TITLE _____ DATE _____

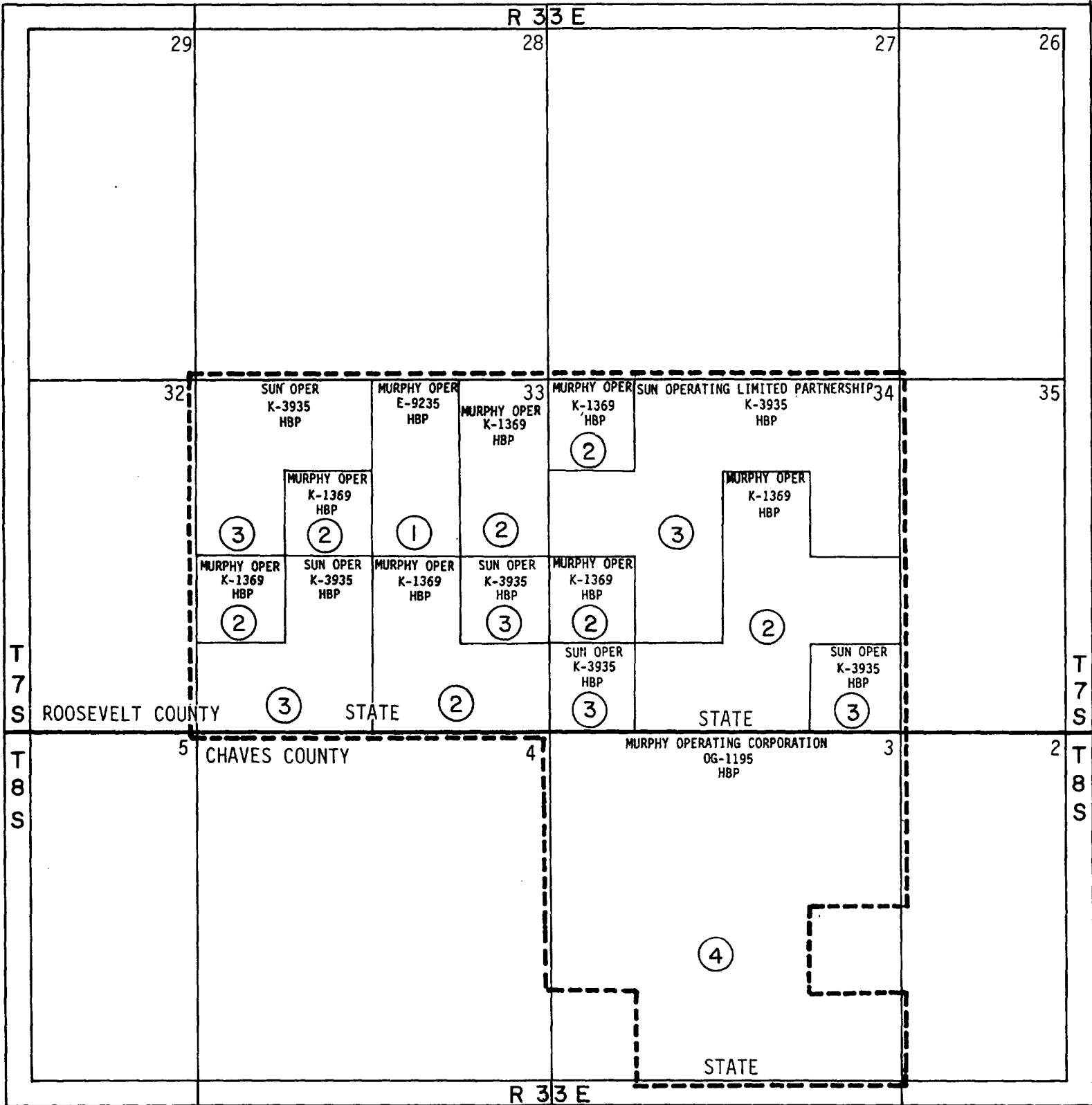
CONDITIONS OF APPROVAL, IF ANY:

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF THAT CERTAIN UNIT AGREEMENT, HALEY CHAVEROO
SAN ANDRES UNIT, COUNTIES OF CHAVES AND ROOSEVELT, STATE OF NEW MEXICO,
DATED AUGUST 15, 1988.

HALEY CHAVEROO SAN ANDRES UNIT

CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO



SCALE: 1" = 2000'

TRACT NUMBER

UNIT OUTLINE

☐ STATE LANDS

1,840.70 ACRES

100% UNIT AREA

EXHIBIT A.

EXHIBIT "B" TO UNIT AGREEMENT
HALEY CHAVEROO SAN ANDRES UNIT
CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO

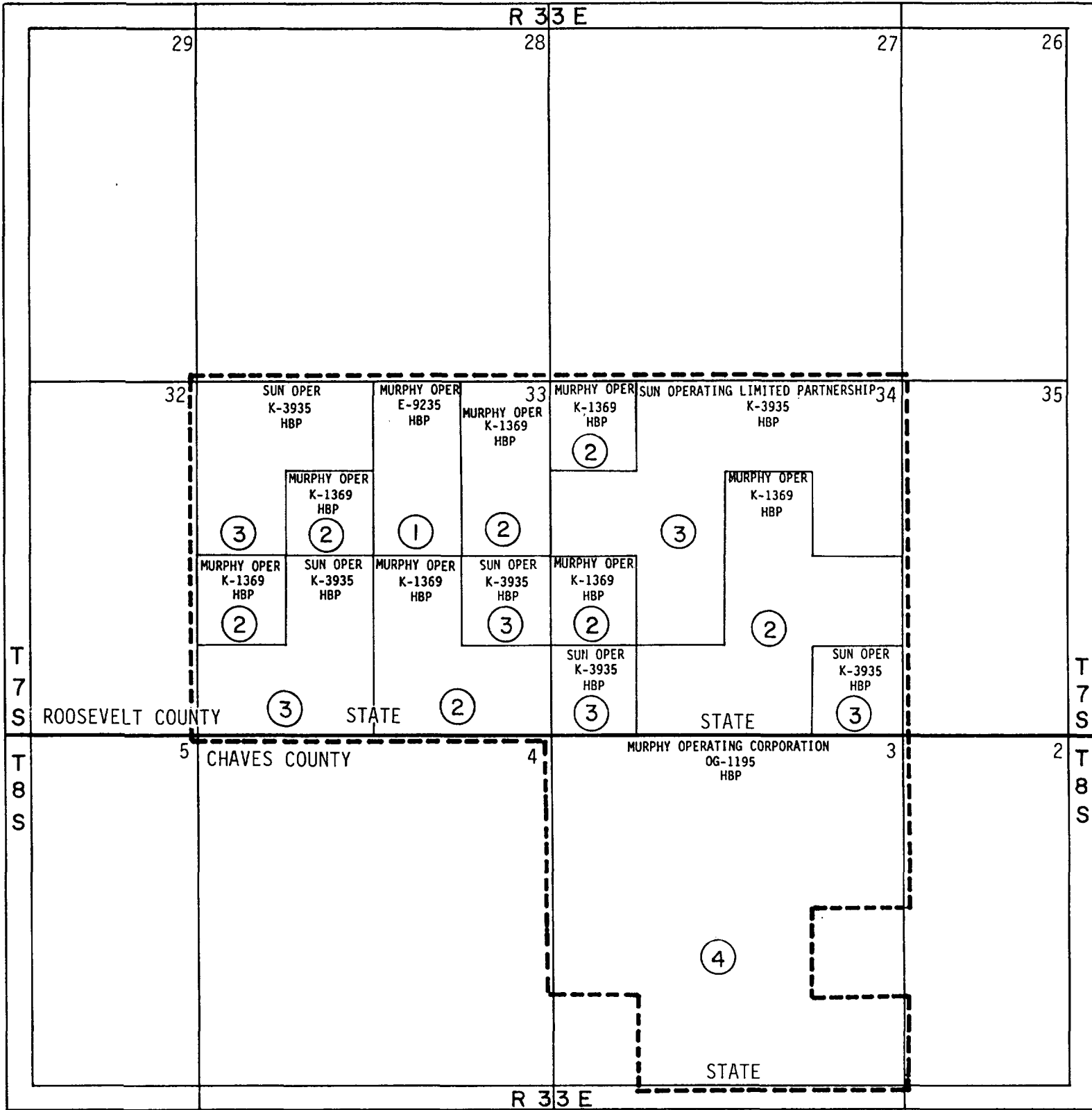
Tract No.	Lease Name, Description of Land, and No. Acres	Serial No. & Lease Date	Lessee of Record	Overriding Royalty		Basic Royalty & Percentage	State of N.M.	Owner or Production Payment Interest (PPI)	Percent Ownership	W.I.	
										San Andres Production W.I. Ownership	Percent Ownership Participation
1.	Hobbs U T-7-S, R-33-E Sec. 33: W½/NE¼ 80.00 acres Roosevelt County, N.M.	E-9235-6 8/16/55	Murphy Operating Corporation	None	--	State of N.M. 12.5%	Murphy Operating Corporation American Energy Capital Corp.	12.50000 87.50000 100.00000	0.661274 4.628914 5.290188		
2.	Hobbs T T-7-S, R-33-E Sec. 33: E½/NE¼, SE½/NE¼, NW¼SW¼, W½SE¼, SE½SE¼ Sec. 34: NW¼NW¼, SW¼NE¼, NW¼SW¼, SE½SW¼, N½SE¼, SW¼SE¼ 560.00 acres Roosevelt County, N.M.	K-1369-3 4/18/61	Murphy Operating Corporation	None	--	State of N.M. 12.5%	Murphy Operating Corporation American Energy Capital Corp.	12.50000 87.50000 100.00000	4.517902 31.625313 36.143215		
3.	State AZ T-7-S, R-33-E Sec. 33: N½NW¼, SW¼NW¼, NE¼SW¼, S½SW¼, NE½SE¼ Sec. 34: SW¼NW¼, E½NW¼, N½NE¼, SE½NE¼, NE¼SW¼, SW¼SW¼, SE½SE¼ 640.00 acres Roosevelt County, N.M.	K-3935-1 2/18/64	Sun Operating Limited Partnership	None	--	State of N.M. 12.5%	Murphy Operating Corporation American Energy Capital Corp.	12.50000 87.50000 100.00000	4.282702 29.978916 34.261618		
4.	State BF T-8-S, R-33-E Sec. 3: Lots 1, 2, 3, 4, S½N½, N½SW¼, SE½SW¼, W½SE¼, SE½SE¼ 560.70 acres Chaves County, N.M.	OG-1195-2 8/20/57	Murphy Operating Corporation	None	--	State of N.M. 12.5%	Murphy Operating Corporation American Energy Capital Corp.	12.50000 87.50000 100.00000	3.038122 21.266857 24.304979		
TOTAL STATE ACREAGE 1,840.70 = 100% of Unit									GRAND TOTAL		
TOTAL UNIT ACREAGE 1,840.70									100.000000		

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF THAT CERTAIN UNIT AGREEMENT, HALEY CHAVEROO
SAN ANDRES UNIT, COUNTIES OF CHAVES AND ROOSEVELT, STATE OF NEW MEXICO,
DATED AUGUST 15, 1988.

HALEY CHAVEROO SAN ANDRES UNIT

CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO



SCALE: 1" = 2000

○ TRACT NUMBER

UNIT OUTLINE

☐ STATE LANDS

1,840.70 ACRES

100% UNIT AREA

EXHIBIT "B" TO UNIT AGREEMENT
HALEY CHAVEROO SAN ANDRES UNIT
CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO

Tract No.	Lease Name, Description of Land, and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Royalty & Percentage	Overriding Royalty		San Andres Production		W.I.	
					Owner or Production Payment Interest (PPI)	Percent Ownership	W.I. Ownership	Percent Ownership	Percent Participation	
1.	Hobbs U T-7-S, R-33-E Sec. 33: W½/NE¼ 80.00 acres Roosevelt County, N.M.	E-9235-6 8/16/55	Murphy Operating Corporation	State of N.M. 12.5%	None	--	Murphy Operating Corporation American Energy Capital Corp.	12.50000 87.50000 100.00000	0.661274 4.628914 5.290188	
2.	Hobbs T T-7-S, R-33-E Sec. 33: E½NE¼, SE¼NW¼, NW¼SW¼, W½SE¼, SE¼SE¼ Sec. 34: NW¼NW¼, SW¼NE¼, NW¼SW¼, SE¼SW¼, N½SE¼, SW¼SE¼ 560.00 acres Roosevelt County, N.M.	K-1369-3 4/18/61	Murphy Operating Corporation	State of N.M. 12.5%	None	--	Murphy Operating Corporation American Energy Capital Corp.	12.50000 87.50000 100.00000	4.517902 31.625313 36.143215	
3.	State AZ T-7-S, R-33-E Sec. 33: N¼NW¼, SW¼NW¼, NE¼SW¼, S½SW¼, NE¼SE¼ Sec. 34: SW¼NW¼, E½NW¼, N½NE¼, SE¼NE¼, NE¼SW¼, SW¼SW¼, SE¼SE¼ 640.00 acres Roosevelt County, N.M.	K-3935-1 2/18/64	Sun Operating Limited Partnership	State of N.M. 12.5%	None	--	Murphy Operating Corporation American Energy Capital Corp.	12.50000 87.50000 100.00000	4.282702 29.978916 34.261618	
4.	State BF T-8-S, R-33-E Sec. 3: Lots 1, 2, 3, 4, S½N½, N½SW¼, SE¼SW¼, W½SE¼, SE¼SE¼ 560.70 acres Chaves County, N.M.	OG-1195-2 8/20/57	Murphy Operating Corporation	State of N.M. 12.5%	None	--	Murphy Operating Corporation American Energy Capital Corp.	12.50000 87.50000 100.00000	3.038122 21.266857 24.304979	
TOTAL STATE ACREAGE				1,840.70 = 100% of Unit		GRAND TOTAL		100.000000		
TOTAL UNIT ACREAGE				1,840.70						

SUPPLEMENTAL INFORMATION TO FORM C-108

TABLE OF DRILLING AND COMPLETION INFORMATION FOR WELLS WITHIN AREA OF REVIEW
 PROPOSED HALEY CHAVEROO SAN ANDRES UNIT
 CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO

Well Name & Location	Unit Well #	Current Well Status	Proposed Well Status	Casing Record	Drilling Date/ Comple. Date	Total Depth	Perforations/Open Hole	Completion
MOC (prev. Sun Oper.) State "AZ" Well #11-Y C-34-T7S-R33E 660' FNL & 1880' FWL Elevation 4410' DF	34-03	PRD	PRD	2013' 8 5/8" 24# in 12 1/4" hole 700 sacks cmt. circ. to surf. 4450' 4 1/2" 9.5# in 7 7/8" hole 275 sacks cmt. TOC 3310' temp. survey	10-27-65/ 11-10-65	TD 4450' PBTD 4428'	11-08-65 (1 SPF) 4195, 4207, 4214, 4240, 4258, 4272, 4279, 4290, 4307, 4330, 4340	11-08-65 (4195-4340) Acidize w/1,250 gals. 04-25-68 Frac w/30,000 gals. oil & 50,000# sand
MOC (prev. Sun Oper.) State "AZ" Well #8 E-34-T7S-R33E 1980' FNL & 660' FWL Elevation 4409' DF	34-05	PRD	PRD	350' 8 5/8" 24# in 12 1/4" hole 250 sacks cmt. circ. to surf. 4470' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3700' by calc.	08-21-65/ 09-02-65	TD 4530' PBTD 4492'	09-07-65 (1 SPI) 4203, 4230, 4263, 4275, 4288, 4293, 4300, 4308, 4321, 4327, 4334, 4351	09-07-65 (4203-4351) Acidize w/1,500 gals. 02-21-68 Frac w/40,000 gals. oil & 50,000# sand
MOC (prev. Texaco) Hobbs "T" Well #10 G-34-T7S-R33E 1980' FNL & 1980' FEL Elevation 4399' DF	34-07	PRD	PRD	370' 8 5/8" 24# in 11" hole 250 sacks cmt. circ. to surf. 4474' 4 1/2" 9.5# in 7 7/8" hole 350 sacks cmt. TOC 3371' by temp. survey	10-09-65/ 10-21-65	TD 4475' PBTD 4438'	10-25-65 (1 SPI) 4252, 4267, 4270, 4279, 4281, 4283, 4292, 4300, 4304, 4313, 4318, 4323, 4327	10-25-65 (4252-4327) Acidize w/2,000 gals.
MOC (prev. Texaco) Hobbs "T" Well #12 I-34-T7S-R33E 1980' FSL & 660' FEL Elevation 4384' DF	34-09	PRD	PRD	370' 8 5/8" 24# in 11" hole 250 sacks cmt. circ. to surf. 4475' 4 1/2" 9.5# in 7 7/8" hole 350 sacks cmt. TOC 3395' by temp. survey	11-20-65/ 12-10-65	TD 4475' PBTD 4441'	12-06-65 (2 SPI) 4320, 4325, 4329, 4339, 4345, 4350, 4353 12-08-65 (1 SPI) 4221, 4231, 4256, 4260, 4272.5, 4279, 4284, 4287, 4297, 4305.5, 4309, 4311	12-06-65 (4320-4353) Acidize w/1,000 gals. 12-08-65 (4221-4353) Acidize w/2,000 gals. Frac w/40,000 gals. oil & 40,000# sand.

SUPPLEMENTAL INFORMATION TO FORM C-108

TABLE OF DRILLING AND COMPLETION INFORMATION FOR WELLS WITHIN AREA OF REVIEW
PROPOSED HALEY CHAVEROO SAN ANDRES UNIT
CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO

Well Name & Location	Unit Well #	Current Well Status	Proposed Well Status	Casing Record	Drilling Date/ Comple. Date	Total Depth	Perforations/Open Hole	Completion
MOC (prev. Sun Oper.) State "AZ" Well #2 K-33-T7S-R33E 1980' FSL & 1980 FWL Elevation 4426' DF	33-11	PRD	PRD	350' 8 5/8" 24# in 12 1/4" hole 250 sacks cmt. circ. to surf. 4500' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3630 by temp. survey	06-09-65/ 06-27-65	TD 4470' PBTD 4426'	06-28-65 (1 SPI) 4218, 4246, 4251, 4276, 4295, 4307, 4314, 4323, 4330, 4338, 4369	06-28-65 Acidize w/ 250 gals. (4369); 1,000 gals. (4276-4338); 500 gals. (4246-4251); 250 gals. (4218) Frac (4218-4419) w/30,000 gals. oil & 30,000# sand
MOC (prev. Sun Oper.) State "AZ" Well #4 M-33- T7S-R33E 660' FSL & 660' FWL Elevation 4436' DF	33-13	PRD	PRD	356' 8 5/8" 24# in 12 1/4" hole 250 sacks cmt. circ. to surf. 4499' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3700' by calc.	07-02-65/ 07-26-65	TD 4500' PBTD 4439'	07-19-65 (3 SPI) 4447, 4451, 4456, Squeezed w/100 sacks cmt. 07-25-65 (1 SPI) 4257, 4284, 4302, 4313, 4326, 4332, 4345, 4379, 4413, 4423, 4431	07-19-65 (4447-4456) Acidize w/750 gals. 07-25-65 (4257-4431) Acidize w/2,450 gals. Frac w/30,000 gals. oil & 32,500# sand
MOC (prev. Texaco) Hobbs "T" Well #4 O-33-T7S-R33E 660' FSL & 1980 FEL Elevation 4432' DF	33-15	PRD	PRD	368' 8 5/8" 24# in 11" hole 250 sacks cmt. circ. to surf. 4524' 4 1/2" 9.5# in 7 7/8" hole 350 sacks cmt. TOC 3375' by temp. survey	09-17-65/ 10-08-65	TD 4525' PBTD 4491'	10-07-65 (2 SPF) 4341, 4342, 4346, 4347, 4352, 4353	10-07-65 (4341-4353) Acidize w/500 gals. Frac w/20,000 gals. lease oil & 20,000# sand
MOC (prev. Sun Oper.) State "AZ" Well #13 A-34-T7S-R33E 1980' FNL & 660' FWL Elevation 4435' DF	34-01	PRD	PRD	350' 8 5/8" 24# in 12 1/4" hole 250 sacks cmt. circ. to surf. 4450' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3700' by calc.	05-02-65/ 05-24-65	TD 4500' PBTD 4454'	05-17-65 (1 SPI) 4199, 4233, 4303, 4315, 4323, 4329, 4355	05-17-65 (4199-4355) Acidize w/1,500 gals. 05-24-65 (4199-4355) Frac w/20,000 gals. oil & 20,000# sand

SUPPLEMENTAL INFORMATION TO FORM C-108

TABLE OF DRILLING AND COMPLETION INFORMATION FOR WELLS WITHIN AREA OF REVIEW
PROPOSED HALEY CHAVEROO SAN ANDRES UNIT
CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO

Well Name & Location	Unit Well #	Current Well Status	Proposed Well Status	Casing Record	Drilling Date/ Comple. Date	Total Depth	Perforations/Open Hole	Completion
MOC (prev. Sun Oper.) State "AZ" Well #3 C-33-T7S-R33E 660' FNL & 1980' FWL Elevation 4432' DF	33-03	PRD	PRD	351' 8 5/8" 24# in 12 1/4" hole 200 sacks cmt. circ. to surface 4473' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3530' by temp. survey	07-12-65/ 07-29-65	TD 4481' PBTD 4470'	07-26-65 (1 SPI) 4228, 4233, 4277, 4290, 4305, 4325, 4351, 4388, 4398, 4405, 4429	07-26-65 (4228-4429) Acidize w/2,750 gals. Frac w/20,000 gals. oil & 20,000# sand.
MOC (prev. Sun Oper.) State "AZ" Well #1 E-33-T7S-R33E 1980' FNL & 660' FWL Elevation 4435' DF	33-05	PRD	PRD	362' 8 5/8" 24# in 12 1/4" hole 250 sacks cmt. circ. to surface 4500' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3710' by temp. survey	05-02-65/ 05-24-65	TD 4500' PBTD 4454'	05-17-65 (1 SPI) 4199, 4233, 4303, 4315, 4323, 4329, 4355 05-24-65 (4199-4355) Frac w/20,000 gals. oil & 20,000# sand	05-17-65 (4199-4355) Acidize w/1,500 gals. 05-24-65 (4199-4355) Frac w/20,000 gals. oil & 20,000# sand
MOC (prev. Texaco) Hobbs "U" Well #1 G-33-T7S-R33E 1980' FNL & 1980' FEL Elevation 4424' DF	33-07	PRD	PRD	373' 8 5/8" 24# in 11" hole 200 sacks cmt. circ. to surface 4475' 4 1/2" 9.5# in 7 7/8" hole 350 sacks cmt. TOC 3364' by temp. survey	07-25-65/ 08-06-65	TD 4475' PBTD 4450'	08-16-65 (1 SPI) 4284, 4291, 4298, 4303, 4318, 4325, 4332, 4338, 4365, 4405, 4413, 4418, 4424, 4430, 4445	08-16-65 (4284-4445) Acidize w/3,000 gals.
MOC (prev. Sun Oper.) State "AZ" Well #7 I-33-T7S-R33E 1980' FSL & 660' FEL Elevation 4414' DF	33-09	PRD	PRD	368' 8 5/8" 24# in 11" hole 250 sacks cmt. circ. to surf. 4530' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3740' by temp. survey	08-10-65/ 08-28-65	TD 4530' PBTD 4486'	08-23-65 (1 SPI) 4358, 4364, 4377, 4390 08-29-65 (1 SPI) 4240, 4252, 4261, 4317, 4329, 4344	08-23-65 (4358-4390) Acidize w/1,000 gals. 08-29-65 (4240-4344) Acidize w/2,000 gals. Frac w/20,000 gals. oil & 30,000# 20/40 sand

SUPPLEMENTAL INFORMATION TO FORM C-108

TABLE OF DRILLING AND COMPLETION INFORMATION FOR WELLS WITHIN AREA OF REVIEW
PROPOSED HALEY CHAVEROO SAN ANDRES UNIT
CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO

Well Name & Location	Unit Well #	Current Well Status	Proposed Well Status	Casing Record	Drilling Date/ Comple. Date	Total Depth	Perforations/Open Hole	Completion
MOC (prev. Sun Oper.) State "AZ" Well #10 K-34-T7S-R33E 1980' FSL & 1980' FWL Elevation 4406' DF	34-11	PRD	PRD	363' 8 5/8" 24# in 12 1/4" hole 250 sacks cmt. circ. to surf. 4469' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3700' by calc.	10-09-65/ 10-27-65	TD 4470' PBTD 4457'	10-25-65 (1 SPI) 4223, 4228, 4276, 4282, 4295, 4303, 4317, 4324, 4339, 4348, 4353, 4367	10-25-65 (4223-4367) Acidize w/2,250 gals. Frac w/25,000 gals. oil & 32,000# sand
MOC (prev. Sun Oper.) State "AZ" Well #16 M-34-T7S-R33E 990' FSL & 990' FWL Elevation 4415' DF	34-13	PRD	PRD	350' 8 5/8" 24# in 12 1/4" hole 250 sacks cmt. circ. to surf. 4470' 4 1/2" 9.5# in 7 7/8" hole 200 sacks cmt. TOC 3100' by calc.	04-02-66/ 04-23-66	TD 4470' PBTD 4462'	04-18-66 (1 SPI) 4302, 4308, 4318, 4324	04-18-66 (4302-4324) Acidize w/500 gals. Frac w/20,000 gals. oil & 26,000# sand
MOC (prev. Texaco) Hobbs "T" Well #15 O-34-T7S-R33E 990' FSL & 1980' FEL Elevation 4397' DF	34-15	PRD	PRD	374' 8 5/8" 24# in 11" hole 250 sacks cmt. circ. to surf. 4500' 4 1/2" 9.5# in 7 7/8" hole 350 sacks cmt. TOC 3309' by temp. survey	03-13-66/ 03-30-66	TD 4500' PBTD 4450'	04-04-66 (1 SPI) 4217, 4235, 4267.5, 4271, 4279, 4283, 4297, 4303, 4306, 4310	04-04-66 (4217-4310) Acidize w/2,000 gals.

SUPPLEMENTAL INFORMATION TO FORM C-108

TABLE OF DRILLING AND COMPLETION INFORMATION FOR WELLS WITHIN AREA OF REVIEW
PROPOSED HALEY CHAVEROO SAN ANDRES UNIT
CHAVES AND ROOSEVELT COUNTIES, NEW MEXICO

Well Name & Location	Unit Well #	Current Well Status	Proposed Well Status	Casing Record	Drilling Date/ Comple. Date	Total Depth	Perforations/Open Hole	Completion
Lynx Oil (prev. Midwest Oil) Morgan Federal Well #1 N-27-T7S-R33E 660' FSL & 1980 FWL Elevation 4406' DF	N/A	PRD	N/A	375' 8 5/8" 24# in 12 1/4" hole 350 sacks cmt. circ. to surf. 4427' 4 1/2" 9.5# in 7 7/8" hole 350 sacks cmt. TOC 2540' from surf.	11-27-65/ 12-17-65	TD 4430' P8TD 4394'	12-20-65 (1 SPI) 4178, 4195, 4203, 4228, 4244, 4258, 4276, 4291, 4296	12-20-65 (4178-4296) Acidize w/2,000 gals. Frac w/20,000 gals oil & 20,000# sand
Chaveroo Operating (prev. Pan American) Farrell Fed. Well #6 P-28-T7S-R33E 660' FSL & 660' FEL Elevation 4422' DF	N/A	PRD	N/A	392' 8 5/8" 24# in 12 1/4" hole 250 sacks cmt. circ. to surf. 4462' 4 1/2" 9.5# in 7 7/8" hole 800 sacks cmt. TOC 37' from surf.	11-26-65/ 12-24-65	TD 4462' P8TD 4428'	12-20-65 (2 SPF) 4271, 4272, 4274, 4275, 4282, 4283, 4284, 4285, 4286, 4290, 4291, 4292, 4299, 4300, 4304, 4305, 4313, 4314, 4318, 4319, 4320, 4336, 4337, 4338, 4342, 4343, 4344, 4384, 4385, 4395, 4396, 4397, 4400, 4401, 4405, 4406	12-20-65 (4271-4406) Acidize w/2,000 gals. Frac w/30,000 gals. oil, 45,000# sand & 3000# glass beads
Marathon Oil Co. State Well #1 L-35-T7S-R33E 1980' FSL & 660' FWL Elevation 4377' DF	N/A	PRD	N/A	363' 8 5/8" 24# in 12 1/4" hole 200 sacks cmt. circ. to surf. 4442' 5 1/2" 14# in 7 7/8" hole 350 sacks cmt. TOC 1932' by calc.	12-14-65/ 01-12-66	TD 4450' P8TD 4405'	1-03-66 (1 SPI) 4244, 4256, 4277, 4281, 4288, 4292, 4303, 4309, 4321, 4327, 4331, 4334	01-03-66 (4244-4334) Acidize w/1,500 gals. 500 gals. 2,000 gals. Frac w/40,000 gals. oil & 40,000# sand

Exhibit "VIII. H."
PROPOSED HALEY CHAVEROO SAN ANDRES UNIT
Chaves and Roosevelt Counties, New Mexico
Derivation of Tract Participation Factors

Tract	Original Well #	Well Location	Status	New Unit #	#	A Useable Wells % x 20%	B Total Primary Recovery to 01 January 1988 Bbls 100% x 80%	Tract Participation Factor
1 Hobbs U	1G	33 7S 33E	P	33-07	1		100275	
	2B	33 7S 33E	S	33-02	1		66487	
					2	04.761905	05.422259	05.290188
2 Hobbs T	1F	33 7S 33E	P	33-06	1		82021	
	2L	33 7S 33E	P	33-12	1		76911	
	3J	33 7S 33E	P	33-10	1		73511	
	40	33 7S 33E	P	33-15	1		72522	
	5H	33 7S 33E	P	33-08	1		84659	
	6A	33 7S 33E	P	33-01	1		98925	
	7L	34 7S 33E	S	34-12	1		84303	
	8J	34 7S 33E	P	34-10	1		79943	
	9D	34 7S 33E	P	34-04	1		139994	
	10G	34 7S 33E	P	34-07	1		84118	
	11P	33 7S 33E	I	33-16	1		0	
	12I	34 7S 33E	S	34-09	1		69872	
	13N	34 7S 33E	P	34-14	1		79392	
	150	34 7S 33E	P	34-15	1		107021	
					14	33.333333	36.845685	36.143215
3 State A Z	1E	33 7S 33E	P	33-05	1		86381	
	2K	33 7S 33E	T	33-11	1		67376	
	3C	33 7S 33E	T	33-03	1		59822	
	4M	33 7S 33E	T	33-13	1		47936	
	5D	33 7S 33E	A	33-04	1		40372	
	6N	33 7S 33E	T	33-14	1		56354	
	7I	33 7S 33E	T	33-09	1		20110	
	8E	34 7S 33E	S	34-05	1		94747	
	9F	34 7S 33E	S	34-06	1		103085	
	10K	34 7S 33E	S	34-11	1		48196	
	Y 11C	34 7S 33E	S	34-03	1		87215	
	12B	34 7S 33E	S	34-02	1		63375	
	13A	34 7S 33E	T	34-01	1		65803	
	14H	34 7S 33E	S	34-08	1		60623	
	15P	34 7S 33E	T	34-16	1		50591	
	16M	34 7S 33E	T	34-13	1		72257	
					16	38.095238	33.303214	34.261618
4 State B F	1A	3 8S 33E	S	03-01	1		1024243	
	2B	3 8S 33E	P	03-02	1		104982	
	3C	3 8S 33E	P	03-03	1		54716	
	4H	3 8S 33E	F	03-08	1		39794	
	5D	3 8S 33E	A	03-04	0		92213	
	6G	3 8S 33E	F	03-07	1		111	
	7F	3 8S 33E	P	03-06	1		88977	
	8J	3 8S 33E	P	03-10	1		51880	
	9P	3 8S 33E	P	03-16	1		98505	
	100	3 8S 33E	P	03-15	1		93017	
	11K	3 8S 33E	P	03-11	1		123713	
	N	3 8S 33E	A		0		3403	
	E	3 8S 33E	Undrilled		0		0	
	L	3 8S 33E	Undrilled		0		0	
					10	23.809524	24.428842	24.304979
(Atlantic Rich- field)					42	100.000000%	100.000000%	100.000000%
(Tierra Ex/ Anmarco)								
Totals								

*Based upon the 1987 Annual Report of the
New Mexico Oil and Gas Engineering Committee.

Tract Participation Formula
Tract Participation = 20% A + 80% B
Where A = Percent of Total
Useable Wells in
Unit Area.
Where B = Percent of Total
Primary Oil Recovery
in Unit Area as
of January 1, 1988.

Legend
A Permanently Abandoned
F Flowing
I Injection
P Producing
S Shut In

TABLE I
(Continued)

Proposed Unit Well No.	Original Operator	Lease Name	Well No.	Current Well Status*	Proposed Well Status*	Remarks
34-08	Sun Op.	State "AZ"	14	PRD	INJ	
34-09	Texaco	Hobbs "T"	12	PRD	PRD	
34-10	Texaco	Hobbs "T"	8	PRD	INJ	
34-11	Sun Op.	State "AZ"	10	PRD	PRD	
34-12	Texaco	Hobbs "T"	7	PRD	INJ	
34-13	Sun Op.	State "AZ"	16	PRD	PRD	
34-14	Texaco	Hobbs "T"	13	PRD	INJ	
34-15	Texaco	Hobbs "T"	15	PRD	PRD	
34-16	Sun Op.	State "AZ"	15	PRD	INJ	
03-01	ARCO	State "BF"	1	PRD	PRD	
03-02	ARCO	State "BF"	2	PRD	INJ	
03-03	ARCO	State "BF"	3	PRD	PRD	
03-04	ARCO	State "BF"	5	P&A	INJ	Well to be reentered or redrilled
03-06	ARCO	State "BF"	7	PRD	INJ	
03-07	ARCO	State "BF"	6	PRD	PRD	
03-08	ARCO	State "BF"	4	PRD	INJ	
03-10	ARCO	State "BF"	8	PRD	INJ	
03-11	ARCO	State "BF"	11	PRD	PRD	
03-14	Tierra	Annarco	1	P&A	INJ	Well to be reentered or redrilled
03-15	ARCO	State "BF"	10	PRD	PRD	
03-16	ARCO	State "BF"	9	PRD	INJ	

* Well Status: PRD - Producer
INJ - Injector
SWD - Salt Water Disposal
P&A - Plugged and Abandoned

The conversion to injection of certain wells will be undertaken in three (3) phases as proposed below:

Phase I: Subsequent to Unit approval, MOC will initiate injection by gravity into proposed injection Wells #33-8, #34-6, and #34-14. This proposed injection, together with existing injection into Well #33-16 (SWD), will facilitate a 360-acre nine-spot pattern permitting MOC the opportunity to monitor and observe any preferential fracture trends.

Phase II: Upon completion of the injection plant approximately 45 to 90 days after Unit approval, it is proposed that Well #33-10, #34-10, and #34-12 be converted to injection status. The conversion of these wells will modify the above-described nine-spot pattern to two (2) 80-acre five-spot patterns. It is proposed that Phase II be monitored for 12 to 24 months and, subject to reservoir fill up and response, additional development will be implemented as described in Phase III below.

Phase III: Assuming satisfactory response, Phase III will consist of unit-wide development in five-spot injection patterns. The proposed five-spot patterns will utilize the existing salt water disposal wells, protect lease boundaries and provide for the maximum recovery of secondary oil. This will require the conversion to injection of fourteen (14) wells and the drilling of two (2) additional injectors.

As presented in Exhibit 1 attached, MOC plans to construct a water injection plant in the SE/4SE/4, Section 33, Township 7 South, Range 33 East, to service the Unit area. This plant will be constructed in such a manner to provide approximately 4,200 BBLS of water per day for ample injection capability in Phases I and II of the development program. The plant will provide an ultimate injection capability of approximately 13,800 BBLS of water per day in Phase III of the Unit development. The planned location was chosen because of its proximity to existing roads and electrical service and its central location to the proposed injection wells. A series of individual and trunk injection lines will radiate in a northwesterly, northeasterly, and southeasterly direction to provide injection service to the individual injection wells.