UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	-	SUNDRY NOTICES AND RE	DODGG ON UPLIA			
		SUNDRY NOTICES AND RE	PORTS ON WELLS			
			5. LEASE NUMBER			
1.	TYPE OF WELL		SF-047039-C 6. IF INDIAN, ALL. OR TRIBE NAME			
÷ t,	GAS		OF IT INDIINVIEW. ON INTEL WAVE			
2.	OPERATOR MERIDIAN OI	L INC.	7. UNIT AGREEMENT NAME			
3.	P O BOX 428	E NO. OF OPERATOR	8. FARM OR LEASE NAME			
	FARMINGTON,		ANGEL PEAK 9. WELL NO. 500			
4.	LOCATION OF WE	LL	- 10. FIELD, POOL, OR WILDCAT			
	1450'FSL 790		BASIN FRUITLAND COAL			
			11. SEC. T. R. M OR BLK. SEC. 7 T28N R10W NMPM			
7.4						
14.	PERMIT NO.	15. ELEVATIONS 5746'GL	12. COUNTY 13. STATE SAN JUAN NM			
			· '			
16.	SUBSEQUENT REP	ORT OF: Amended Appl	ication for Permit to Drill			
17.	Describe propos	ed or completed opera	tions Capan a Change at			
		phone	tions Open, & Perce Change			
	Reference is		s Co.'s Applicaton for Permit			
	to Drill the	Cap Com 7 #1 approve	d 09-28-90 at 1450'FSL and 790'FWL.			
	Meridian Oil	Inc. will operate and	d drill this well as the			
	Angel Peak #	500 at 1450 FSL and $^{\circ}$	790'FWL of Section 7			
	of Township	T28N and Range R10W.				
	Submitted fo	r review:				
	- C102					
	- Operations	Plan	NOV 0 8 1990			
	BOP DiagramLocation Location					
	Cut and Fill	ll Diagram	OIL CON. DIV.			
	- Facilities	Diagram	DIST. 3			
18.	AUTHORIZED BY:	REGULATORY AFFAIRS	<u>10-9-90</u> DATE			
NOTE	: THIS FORMAT	IS ISSUED IN LIEU OF (JS BLM FORM 3160-5			
==== (Thi	s space for Fed	=====================================				
		crar or grace office (ise,			
	OVED BY	TITLE_	DATE			
COND	ITION OF APPROVA	AL, IF ANY:				

Fee Lease - 3 comes

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-162 Revised 1-1-29

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2008 Sama Fe, New Mexico 87504-2088

DISTRICT II P.O. Deswer O.D., Artenia, NIM \$8210

DISTRICT III
1000 Rio Besses 24., Arese, 134. 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

Meridian oil Inc. Angel Peak (SF-047039C) To a Sum of the Sum of	Operator		Lance	CONTRACTOR OF 1	THE BROKEN		
To the second by the contract of the contract				Angel Peak	(SF-0470)39C)	i
1450 fee from the South the set 790 fee from the West the South South Fruitland Coal Basin December 1 257.95 Acres 1 257.95 Ac		1	Kange			County	500
The state of the s	Actual Facuses Learnes of Well:	20	NOTER	10 West	NMPM.	San	Juan
1. Common and the state of the			tine and	790	fore down or	- Woot	-
2. If some than the last of th	57161	•	1		100	west	Dedicated Admage:
1 H and the second second and the second sec	1. Outline the acrospe de	litland Coa	l Basi	.n			257.95
Yes No If we specially the Control of the special o	2. If more than one income		of second birth of the	are marked on the piet i	Misw.		
The state of the s			, outline duck and identify th	s consensity thereof (be	oth as to westing	-	cycky).
The second state of the se	2 II Maio than one lates Williams, force post	of different overskip i Se. etc.?	s decimated to the well, have	the interest of all own		ated by some	
Note that the property of the Device. S 3 3 0 80' OPERATOR CERTIFICATION I benefit carriery that the information of the property of t	Yes	☐ No 1/ =	The state of the s				
OPERATOR CERTIFICATION / Amount country that the information country the information country that the information country the information country that the information country the information country that the information	this form if moreovery.		bean which have assembly be	acceptioned. (Use	1000 min of		
OPERATOR CERTIFICATION / Amount country that the information country the information country that the information country the information country that the information country the information country that the information	or sections to the section of the se	(Med to the west mail al	interests have been conscise	ated (by comments	IOR, DESCRIPCION, S	iomed-pooling	or otherwise)
OFERATOR CERTIFICATION I bear the comply that the complete of				B Division,			
Peggy Bradfield Pissan Regulatory Affairs Meridian Oil Inc. SURVEYOR CERTIFICATIO I have configure to the less of any state of the last of the la	• "		/	71			
Peggy Bradfield Prima Name Regulatory Affairs Meridian Oil Inc. SURVEYOR CERTIFICATIO SURVEYOR CERTIFICATIO A 3 2 790' 0 Date 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				! /	CON	Marie Agrees	- Carrier and complete
Peggy Bradfield Prima Name Regulatory Affairs Nomina Meridian Oil Inc. Company 10-9-90 Date SURVEYOR CERTIFICATIO 1 house point from fail and the fail and			Y /			gy my monte	drawed balley.
Primary Name Regulatory Affairs	/ i ,				340	1004	Manpul
Regulatory Affairs Position Meridian Oil Inc. Commany 10-9-90 Date SURVEYOR CERTIFICATIO I have been used from field and the state and the field and the field and the state and the field and th						eggy B	radfield
SURVEYOR CERTIFICATION SURVEYOR CERTIFICATION I have been used the season from field and the state of my manufacture to the beat of my manufacture to the	//			/1 /			or: Affaire
SURVEYOR CERTIFICATION SURVEYOR CERTIFICATION I howary county that the seal from field on this plan was promoted from field on the field of the			7		1		ory Arrairs
SURVEYOR CERTIFICATION SURVEYOR CERTIFICATION I hereby carried that the said describe on this plan was planted from field on on this plant was planted from field on on this planted from field on on				! /			n Oil Inc.
SURVEYOR CERTIFICATION horsely covered from field on on this plan was planted from on this plant was planted from on this planted fr	/ j/				Com	peny	<i>a a</i> :
SURVEYOR CERTIFICATION I havely carrier to the feet of my fraction and the feet of my fraction being. 9-5-90 Due 5000000000000000000000000000000000000	/ /!			X .	/ 		
1 harriery carriery than the well learner on this pies was prompted as an about the field as a service to the best of my mainty. 9-5-90 Dans Sayres 19 (6857) 5344.02' Noale 18 (1803) Noale 18 (1803)			7/ /	´i /			
1 harriery corriery than the well become on this plan was promoted by my failed and survey and the state of my failed and survey	//			! /		SURVEYO	R CERTIFICATION
790' SF-047039-C SF-047039-C Nealer Like Signature and that the best of my married to the best of my my married to the best of my married to the best of my married to the best of my my married to the best of my married to the best of my my married to the my my my married to the my my my married to the my my	/ /						
790' 5 SF-047039-C SF-047039-C Nealer 10 the base of my later 10 the base 10 t	/ /!				on s	reby carelly a his plat was	hat the well leaster : without from field on
790' 9-5-90 Dans - NETTO - SF-047039-C SF-047039-C SF-047039-C Neal - Company - SF-047039-C						M 200000 m	ade: by me er make
SF-047039-C SF-047039-C Neale 1140 Sign Neale	4	3	2	! /	COTT	tel to the b	res: the state is true est of my institutes
5 SF-047039-C SF-047039-C (6857) 5344.02' Neale IIII SIP Neale III SIP Neale II SIP Neale II SIP Neal I	790			ļ	- Jetig	^{1.} 9–5	5 – 90
5 6857 6857 Neale Line Sur Neale Lin				<u> </u>	2 Date	Supple	- A
5 6857 6857 Neale Line Sur Neale Lin						44	T. SOLEY
5 6857 6857 Neale Line String	l ce	367030-5	65.047070.0	i	N Prof	70%	THE REST OF
5344.02' Neale Cards	8 5	7710276	75-04 1034-C	İ			/ / /0,
5344.02' Neale Contain Silveria	4	il.				161	8857 <i>)</i>
5344.02' Neale Contain Silving				1		121	6857
Herrig					Con		VV.
330 660 990 1330 1660 1980 2310 2660 1980			4.02			Neale	LIE

Page 1

OPERATIONS PLAN

DATE: OCT 9,1990

Well Name: 500 ANGEL PEAK

Sec. 7 T28N R10W

28N R10W SAN

1450'FSL 790'FWL SAN JUAN NEW MEXICO

BASIN FRUITLAND COAL Elevation 5746 GL

Formation tops: Surface- NACIMIENTO

Ojo Alamo- 702

Kirtland- 845

Fruitland- 1636

Fruitland Coal Top- 1711

Fruitland Coal Base- 1879 Total Depth- 1891

Pictured Cliffs- 1881

Logging Program: Mud logs from 1636 to total depth.

Mud Program: Interval Type Weight Visc. Fl. Loss
0 - 200 Spud 8.4 - 8.9 40-50 no control
200 - 1891 Non-dispersed 8.4 - 9.5 30-60 no control

Casing Program: Hole Size Depth Interval Csg. Size Weight Grade

12 1/4" 0 - 200 8 5/8" 24.0# K-55 7 7/8" 0 - 1891 5 1/2" 15.5# K-55

Tubing Program: 0 - 1891 2 3/8" 4.7# J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

 $5\ 1/2"$ production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 845'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: $8 \frac{5}{8}$ " x 5 $\frac{1}{2}$ " x 2 $\frac{3}{8}$ " x 11" 3000 psi xmas tree assembl

Cementing:

8 5/8" surface casing - cement with 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 282 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 662 cu ft. of slurry, 100% excess to circulate to surface. If hole conditions permit, a 600 ft spacer will be run ahead of the cement slurry to avoid mud contamination of the cement. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.