

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078125
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SUNRAY A
4. LOCATION OF WELL 1825'N 1475'E	9. WELL NO. 2R
10. FIELD, POOL, OR WILDCAT BLANCO MESA VERDE	11. SEC. T. R. M OR BLK. G SEC. 10 T30N R10W NMPM
12. COUNTY SAN JUAN	13. STATE NM
14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES FROM AZTEC	15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 1475'
16. ACRES IN LEASE 422.84	17. ACRES ASSIGNED TO WELL 313.52
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 300' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 5900'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6484'GL
22. APPROX. DATE WORK WILL START	23. PROPOSED CASING AND CEMENTING PROGRAM *SEE OPERATIONS PLAN
24. AUTHORIZED BY: <i>[Signature]</i> REGULATORY AFFAIRS	DATE 10-6-89

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

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Submit to Appropriate
District Office
State Leases - 4 copies
Fee Leases - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

DISTRICT II
P.O. Drawer DD, Artesa, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator

Meridian Oil Inc.			Lease	Sunray A (SF-078125)	Well No.	2R
Unit Letter	Section	Township	Range	County		
G	10	30 North	10 West	San Juan		
Acres Footage Location of Well:						
1825		feet from the	North	line and	1475	feet from the
6484'		Producing Formation		Pool	Blanco	
					Dedicated Acreage:	313.52 Acres

- Outline the acreage dedicated to the subject well by colored pencil or lacquer marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by commutation, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by commutation, unitization, force-pooling, or otherwise) or until a non-standard tract, eliminating such interest, has been approved by the Division.

OPERATOR CERTIFICATION

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

Signature: *Peggy Bradfield*
Peggy Bradfield

Printed Name: Regulatory Affairs

Position: Meridian Oil Inc.

Company: 10-6-89

Date:

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys made by me or under supervision, and that the same is true correct to the best of my knowledge and belief.

Date Surveyed: 9-19-86
Signature of Surveyor: *Neale C. Edwards*
Professional Surveyor
REGISTERED LAND SURVEYOR
6857

Certificate No. 6857

OPERATIONS PLAN

Well Name - SUNRAY A #2R

Date: 04-Oct-89

I. Location: E/2 10-30-10

San Juan County, NM

Field: BLANCO MESA VERDE

Elevation: 6484 'GL

II. Geology:

A. Formation Tops:	San Jose	Surface	Chacra	3925 '
	Ojo Alamo	1860 '	Mesa Verde	4819 '
	Kirtland	2005 '	Menefee	5015 '
	Fruitland	2855 '	Pt. Lookout	5430 '
	Pictured Cliffs	3210 '	Intermediate TD	3460 '
	Lewis	3260 '	Total Depth	5900 '

B. Logging Program: Inter Depth logs: NONE
 Total Depth Logs: GR-IND, D, N, TEMP.

C. Coring: None

D. Natural Gauges: 3915 4809 5005 5420 5630
 5900 , Also gauge any noticeable increase in gas.
 Record all gauges in IADC daily drilling report and
 on MERIDIAN OIL morning report.

III. Drilling:

A. Mud Program: Mud from surface to 3460 '. Gas from intermediate casing to Total Depth.

IV. Materials:

A. Casing Program:	Hole Size	Depth	Csg. Size	Weight	Grade
	12 1/4"	200	9 5/8"	32.3#	H-40
	8 3/4"	3460	7"	20.0#	K-55
			7"	23.0#	K-55
	6 1/4"	5900	4 1/2"	10.5#	K-55

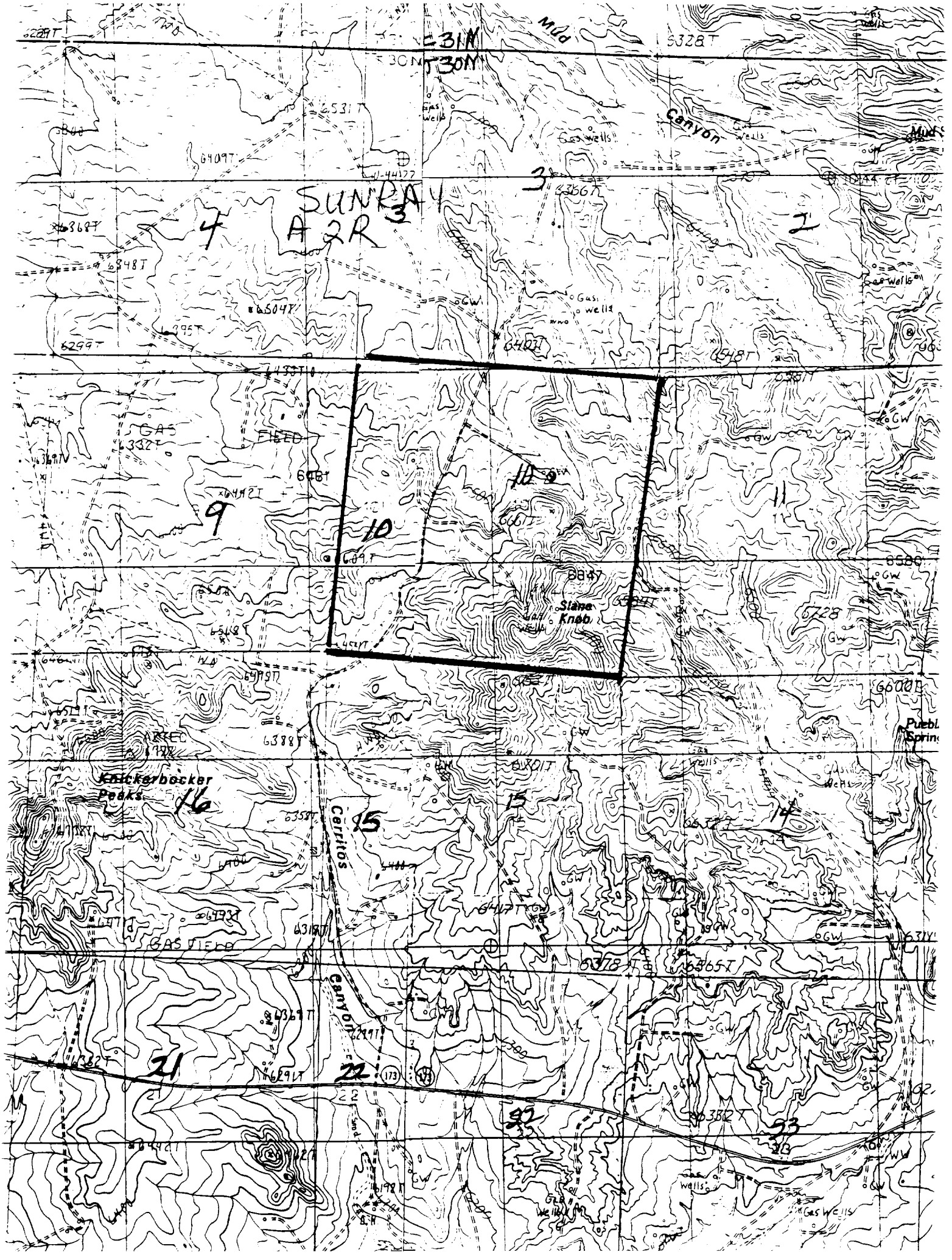
B. Float Equipment: 9 5/8" surface casing - Saw Tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve.
 Five centralizers run every other joint above shoe. Run float two joints above the guide shoe.

4 1/2" production casing - liner hanger with neoprene packoff. Cement nose guide shoe and float collar run above a 6' shoe joint.

C. Tubing: 5900 of 2 3/8", 4.7#, J-55 8rd EUE tubing with a seating nipple one joint off bottom and expendable check valve on bottom.

D. Wellhead Equipment: 9 5/8" x 11" 2000 psi xmas tree assembly.



SUNRA
A 2 R

Knickerbocker
Peaks

Stone
Knoll

Puebl
Spring

Carrizo
Canyon